



Pages 1 to 102

## **LIST OF PUBLISHED ESCC DOCUMENTS AND SPECIFICATIONS**

**ESCC REP001**

**ISSUE 6**

**February 2009**



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|   |  |                     |
|---|--|---------------------|
| <br>REP001 | <b>LIST OF PUBLISHED ESCC<br/>SPECIFICATIONS</b> | Page: 2<br>Issue: 6 |
|---|--|---------------------|

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| CHANGE DESCRIPTION |
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| This issue supersedes Issue 08/05, dated November 2008 and incorporates changes as per DCRs , 420 and 445. |
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## TABLE OF CONTENTS

|                 |   | <u>Page</u> |
|-----------------|---|-------------|
|                 | Introduction  | 7           |
| <u>Class of</u> | <b><u>Document/Specification Families</u></b>   |             |
| <u>Public.</u>  |   |             |
| 02              | - Policy (Level 0)  | 8           |
|                 | - Organisation Documents (Level 1(0))   | 8           |
|                 | - Support Documents (Level 1(1))  | 8           |
|                 | - Implementation Documents (Level 1(2))   | 8           |
| 03              | - Basic Specifications (Level 2)  | 9           |
|                 | <br><b><u>CAPACITORS</u></b>  |             |
| 79              | - Sectional Basic Specifications for Capacitors                                       | 11          |
| 04              | - Ceramic (3001/...)  | 12          |
| 05              | - Tantalum Solid (3002/...)   | 13          |
| 06              | - Tantalum Gelled (3003/...)  | 14          |
| 07              | - Glass (3004/...)  | 15          |
| 09              | - Plastic Metallised (3006/...)   | 16          |
| 10              | - Mica (3007/...)   | 17          |
| 11              | - Filter (3008/...)   | 18          |
| 48              | - Chip Ceramic Dielectric (3009/...)  | 19          |
| 49              | - Variable (3010/...)   | 20          |
| 66              | - Chip Tantalum Solid Electrolyte (3011/...)  | 21          |
| 71              | - Leadless Surface Mounted Ta. Solid Electrolyte Enclosed Anode Connection (3012/...) | 22          |
|                 | <br><b><u>MICROWAVE WAVEGUIDE</u></b>   |             |
| 63              | - Power Dividers Couplers RF Waveguide (3102/...)                                     | 23          |
| 12              | - <u>RF COILS</u> (3201/...)  | 24          |
| 70              | - <u>FERRITE MICROWAVE COMPONENTS</u> (3202/...)                                      | 25          |
|                 | <br><b><u>CONNECTORS</u></b>  |             |
| 96              | Optical Fibre Connector Sets  | 26          |
| 83              | - Sectional Basic Specifications for Electrical Connectors                            | 27          |
| 13              | - Multicontact (3401/...)   | 28          |
| 14              | - Coaxial (3402/...)  | 31          |
| 80              | - Filtered Circular and Rectangular (3405/...)  | 32          |
| 58              | - <u>ATTENUATORS AND LOADS</u> (3403/...)   | 33          |
| 62              | - <u>POWER DIVIDERS</u> (3404/...)  | 34          |
|                 | <br><b><u>QUARTZ CRYSTALS</u></b>   |             |
| 93              | - Sectional Basic Specifications for Quartz Crystals                                  | 35          |
| 15              | - Quartz Crystals (3501/...)  | 36          |
| 69              | - <u>SURFACE ACOUSTIC WAVE (SAW) DEVICES</u> (3502/...)                               | 37          |

|  | <u>Page</u> |
|--|-------------|
| <br><u>RELAYS</u>  |             |
| 76 - Sectional Basic Specifications for Relays   | 38          |
| 16 - Non-Latching (3601/...)   | 39          |
| 17 - Latching (3602/...)   | 40          |
| 92 - RF Coaxial Switch Latching (3603/..)  | 41          |
| <br><u>SWITCHES</u>  |             |
| 59 - Toggle Switches (3701/...)  | 42          |
| 67 - Thermostatic Switches (3702/...)  | 43          |
| <br><u>CABLES</u>  |             |
| 19 - L.F. (3901/...)   | 44          |
| 20 - R.F. (3902/...)   | 45          |
| 82 - Solid Wires 350V for Wire Wrapping (3903/...)   | 46          |
| <br><u>RESISTORS</u>   |             |
| 84 - Sectional Basic Specifications for Resistors  | 47          |
| 21 - Film and Metal Oxide (4001/...)   | 48          |
| 22 - Wire-wound Precision (4002/...)   | 49          |
| 23 - Wire-wound Chassis-mounted (4003/...)   | 50          |
| 25 - Network Thick Film (4005/...)   | 51          |
| 57 - Thermistors (4006/...)  | 52          |
| 64 - Heaters (4009/...)  | 53          |
| <br><u>FUSES</u>   |             |
| 98 - Fuses Thin Film   | 54          |
| <br><u>DISCRETE SEMICONDUCTORS</u>   |             |
| 26 - Transistors and Diodes (Generic and Sectional Basic Specifications) (5000)            | 55          |
| 61 - Microwave Semiconductor Components (Generic and Sectional Basic Specification) (5010) | 56          |
| <br><u>TRANSISTORS</u>   |             |
| 27 - Low Power NPN (5201/...)  | 57          |
| 28 - Low Power PNP (5202/...)  | 58          |
| 29 - High Power NPN (5203/...)   | 59          |
| 30 - High Power PNP (5204/...)   | 60          |
| 31 - FET N Channel (5205/...)  | 61          |
| 32 - FET P Channel (5206/...)  | 62          |
| 33 - Multiple (5207/...)   | 63          |
| 34 - Switching (5208/...)  | 64          |
| <br><u>OPTO-ELECTRONIC DEVICES</u>   |             |
| 50 - Photocouplers (5401/...)  | 65          |
| 55 - Emitters (5402/...)   | 66          |
| 97 - Receivers   | 67          |
| <br><u>DIODES</u>  |             |
| 36 - Switching (5101/...)  | 68          |
| 37 - Voltage Reference (5102/...)  | 69          |
| 38 - Rectifier (5103/...)  | 70          |
| 53 - Schottky (5106/...)   | 71          |
| 54 - Miscellaneous (5107/...)  | 72          |

|  | <u>Page</u> |
|--|-------------|
| <br><u>MICROWAVE DIODES</u>  |             |
| 72 - Oscillator (5511/...)   | 73          |
| 73 - Small Signal (5512/...)   | 74          |
| 74 - Large Signal (5513/...)   | 75          |
| <br><u>MICROWAVE TRANSISTORS</u>   |             |
| 86 - Silicon Small Signal Transistors (5611/...)   | 77          |
| 77 - III-V Small Signal Transistors (5613/...)   | 78          |
| 87 - III-V Large Signal And Oscillators (5614/...)   | 79          |
| 90 - Passive Devices   | 80          |
| <br><u>INTEGRATED CIRCUITS</u>   |             |
| 41 - Linear C.MOS Bipolar etc (Generic and Sectional Basic Specifications) (9000)                    | 81          |
| 43 - C.MOS 4000 Series   | 82          |
| 47 - Others  | 86          |
| 68 - 54HCMOS Series  | 87          |
| 18 - Complex Devices/Microprocessors (95../...)  | 91          |
| 75 - ACMOS Series  | 92          |
| 99 - Converters D/A and A/D  | 95          |
| <br><u>CHARGE COUPLED DEVICES</u>  |             |
| 78 - CCD. Generic and Sectional Basic Specifications (9020)  | 96          |
| 81 - CCD. Photo MOS Area Arrays (9610/...)   | 97          |
| <br><u>MONOLITHIC MICROWAVE INTEGRATED CIRCUITS</u>  |             |
| 88 - MMIC. Generic and Sectional Basic Specifications  | 98          |
| 89 - MMIC. Linear Gain (9012/...)  | 99          |
| <br>ANNEX I:   |             |
| Correlation Listing of IC Specifications/Types/Classes of Publications<br>Sorted by Part Type Number | <br>100     |

## **INTRODUCTION**

This list comprises all ESCC documents and specifications which were published and under configuration control on the 24th February 2009.

The ESCC documents and specifications are classified according to 5 levels, viz:

LEVEL 0 - Policy

LEVEL 1 - 1(0) Organisation Documents.

1(1) Support Documents.

1(2) Implementation Documents.

LEVEL 2 - Basic Specifications.

LEVEL 3 - Generic Specifications.

LEVEL 4 - Detail Specifications.

However, to facilitate retrieval, they are not classified according to the above levels, but by the various classes of publication listed in the table of contents.

The ESCC documents are available from the ESCC web site: **<https://spacecomponents.org>**

The ESCC specifications are available from the ESCIES web site: **<https://escies.org>**.

CD-ROM images are also provided on the ESCIES web site.

If access to the web sites is not possible, queries may be directed to the secretariat:

ESCC Executive Secretariat  
ESA/ESTEC (TEC-QES)  
P.O. Box 299  
2200 AG Noordwijk  
The Netherlands

FAX +31 (0)71 565 6637

| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 02</b><br><b>Object and Basic Rules of the ESCC System</b> | Status |      |
|-------------------------------------|--|--------|------|
|                                     |  | Issue  | Date |
| 00001                               | ESCC Executive Implementation Agreement (Part 1) Centre National D'Etudes Spatiales (CNES)                     | 1      | 0502 |
| 00002                               | ESCC Executive Implementation Agreement (Part 1) European Space Agency (ESA)                                   | 2      | 0703 |
| 00003                               | ESCC Executive Implementation Agreement (Part 1) German Aerospace Center (DLR)                                 | 1      | 0506 |
| 00004                               | ESCC Executive Implementation Agreement (Part 1) Enterprise Ireland ESCC 0004                                  | 1      | 0505 |
| 00005                               | ESCC Executive Implementation Agreement (Part 1)<br>British National Space Centre (BNSC)                       | 1      | 0612 |
| 10000                               | ESCC Organisation, Membership and Decision Process   | 2      | 0307 |
| 10100                               | Organisation and Basic Rules of the SCSB   | 2      | 0307 |
| 10200                               | Organisation and Basic Rules of the Executive  | 2      | 0307 |
| 10300                               | Organisation and Basic Rules of the Policy and Standards Working Group   | 2      | 0307 |
| 10400                               | Organisation and Basic Rules of the Components Technology Board  | 2      | 0307 |
| 11001                               | ESCC Procedure for Configuration Management  | 2      | 0307 |
| 11100                               | Internal Audit Procedure for the ESCC System   | 1      | 0503 |
| 11102                               | Procedure for Complaints and Appeals   | 1      | 0502 |
| 11300                               | Management of the ESCC Web Site  | 1      | 0410 |
| 11301                               | Preparation of Newsletter  | 1      | 0410 |
| 11302                               | Organisation of the European Space Components Conference   | 1      | 0410 |
| 12001                               | The ESCC Documentation System  | 2      | 0307 |
| 12002                               | Procedure for ESCC Document and Specification Management   | 2      | 0307 |
| 12003                               | Procedure for ESCC Document and Specification Administration   | 2      | 0307 |
| 12100                               | ESCC Procedure for Qualifications  | 2      | 0307 |
| 12101                               | ESCC Procedure for the ESA Certifications of Qualifications  | 2      | 0307 |
| 12102                               | Procedure for Non-conformance Management   | 2      | 0307 |
| 12200                               | ESCIES Management Procedure  | 1      | 0410 |
| 12201                               | ESCIES Accreditation and Registered User Procedure   | 1      | 0410 |
| 12202                               | ESCIES Contribution Procedure  | 1      | 0410 |
| 12300                               | The European Preferred Parts List (EPPL) and its Management  | 1      | 0612 |
| REP001                              | REP001   | 5      | 0811 |
| REP002                              | REP002   | 4      | 0811 |



REP001

## List of Published ESCC Documents and Specifications

Issue: 6

Page: 8



| ESCC<br>Document or<br>Spec. Number | Specification Title  | Status |      |
|-------------------------------------|--|--------|------|
|                                     |  | Issue  | Date |
|                                     | <b>Class of Publication: 03</b><br><b>Basic Specifications</b>   |        |      |
| 20000                               | Using the ESCC Specification System  | 1      | 0401 |
| 20100                               | Requirements for Qualification of Standard Electronic Components for Space Application                                 | 2      | 0511 |
| 20200                               | Component Manufacturer Evaluation  | 1      | 0210 |
| 20400                               | Internal Visual Inspection   | 1      | 0210 |
| 20500                               | External Visual Inspection   | 1      | 0210 |
| 20600                               | Preservation Packaging and Despatch of SCC Components  | 2      | 0807 |
| 20800                               | New ESCC Specifications and Specification Change Requests  | 2      | 0402 |
| 20900                               | Radiographic Inspection of Electronic Components   | 1      | 0210 |
| 21300                               | Terms Definitions Abbreviations Symbols and Units  | 3      | 0812 |
| 21400                               | Scanning Electron Microscope (SEM) Inspection of Semiconductor Dice  | 1      | 0210 |
| 21500                               | Calibration System Requirements  | 3      | 0710 |
| 21700                               | General Requirements for the Marking of ESCC Components  | 3      | 0812 |
| 22600                               | Requirements for the Evaluation of Standard Electronic Components for Space Application                                | 3      | 0602 |
| 22700                               | Requirements and Guidelines for the "Process Identification Document" (PID)  | 2      | 0304 |
| 22800                               | ESA/SCC Nonconformance Control System  | 1      | 0210 |
| 22900                               | Total Dose Steady-State Irradiation Test Method  | 3      | 0703 |
| 23100                               | ESA/SCC Recommendations for the Evaluation and Procurement of Non-Standard Electronic Components for Space Application | 1      | 0210 |
| 23400                               | Microsection Examination Preparation and Evaluation of Capacitors Fixed Ceramic Leaded and Chips                       | 2      | 0304 |
| 23500                               | Requirements for Lead Materials and Finishes for Components for Space Application                                      | 4      | 0806 |
| 23600                               | Complaints and Appeals   | 1      | 0502 |
| 23800                               | Electrostatic Discharge Sensitivity Test Method  | 1      | 0210 |
| 24300                               | Requirements for the Capability Approval of Electronic Component Technologies for Space Application                    | 1      | 0210 |
| 24400                               | Measurement of Insertion Loss for E.M.I Suppression Filters  | 1      | 0210 |
| 24600                               | Minimum Quality System Requirements  | 2      | 0502 |
| 24700                               | Cross Reference of ESA/SCC US-MIL and IEC Test Methods   | 1      | 0210 |
| 24800                               | Resistance to Solvents of Marking Materials and Finishes   | 1      | 0210 |
| 24900                               | Minimum Requirements for Controlling Environmental Contamination of Components   | 2      | 0602 |
| 25000                               | Basic Specification for Electro-Optical Test Methods for Charge Coupled Devices  | 1      | 0210 |



REP001

## List of Published ESCC Documents and Specifications

Issue: 6

Page: 9

| ESCC<br>Document or<br>Spec. Number | Specification Title  | Status |      |
|-------------------------------------|--|--------|------|
|                                     |  | Issue  | Date |
|                                     | <b>Class of Publication: 03</b><br><b>Basic Specifications</b>                                   |        |      |
| 25100                               | Single Event Effects Test Method and Guidelines  | 1      | 0210 |
| 25200                               | Application of Scanning Acoustic Microscopy to Plastic Encapsulated Devices                      | 1      | 0210 |
| 25300                               | Decapsulation of Plastic Encapsulated Semiconductor Devices                                      | 1      | 0210 |
| 25400                               | Requirement for the Technology Flow Qualification of Electronic Components for Space Application | 2      | 0701 |
| 26000                               | Failure Rate Level Sampling Plans and Procedures   | 1      | 0812 |
| REP006                              | ESCC Qualified Manufacturers List<br>REP006  | 1      | 0704 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 10

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| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 79</b><br><b>Sectional Basic Specifications for Capacitors</b> | Status |      |
|-------------------------------------|--|--------|------|
|                                     |  | Issue  | Date |
| 2023000                             | Checklist for Capacitors Manufacturer and Line Survey  | 2      | 0402 |
| 2043000                             | Internal Visual Inspection of Capacitors   | 2      | 0304 |
| 2053000                             | External Visual Inspection of Capacitors   | 2      | 0304 |
| 2093000                             | Radiographic Inspection of Capacitors  | 1      | 0210 |
| 2133000                             | Terms Definitions Abbreviations Symbols and Units for Capacitors   | 2      | 0408 |
| 2263000                             | Evaluation Test Programme for Capacitors Fixed   | 2      | 0409 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 11

| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 04<br/>Capacitors Ceramic</b>                           | Status |      |
|-------------------------------------|---|--------|------|
|                                     |   | Issue  | Date |
| 3001                                | Generic Specification for Capacitors Fixed Ceramic Dielectric Types I and II                                | 1      | 0210 |
| 3001/001                            | Capacitors Fixed Ceramic Dielectric Type I, based on type CLC904L   | 1      | 0210 |
| 3001/002                            | Capacitors Fixed Ceramic Dielectric Type I, based on type CLC905L   | 1      | 0210 |
| 3001/003                            | Capacitors Fixed Ceramic Dielectric Type I, based on type CLC908L   | 1      | 0210 |
| 3001/004                            | Capacitors Fixed Ceramic Dielectric Type I, based on type CLC910L   | 1      | 0210 |
| 3001/006                            | Capacitors Fixed Ceramic Dielectric Type II, based on type CKR06  | 1      | 0210 |
| 3001/008                            | Capacitors Fixed Ceramic Dielectric Type II, based on type CKR05  | 1      | 0210 |
| 3001/018                            | Capacitors Fixed Ceramic Dielectric Type I, based on type CCR05   | 1      | 0210 |
| 3001/019                            | Capacitors Fixed Ceramic Dielectric Type I, based on type CCR06   | 1      | 0210 |
| 3001/027                            | Capacitors Fixed Ceramic Dielectric Type II, based on type TCN83E   | 1      | 0210 |
| 3001/028                            | Capacitors Fixed Ceramic Dielectric Type II for Surface Mounting, based on types CNC82RE and CNC83RE        | 1      | 0210 |
| 3001/030                            | Capacitors Fixed Ceramic Dielectric Type II High Capacitance 50 to 500V, based on case styles BR,CV and CH  | 3      | 0806 |
| 3001/032                            | Capacitors Fixed Multiple Layer Ceramic Dielectric Type I, based on type SPT818                             | 1      | 0210 |
| 3001/033                            | Capacitors Fixed Ceramic Dielectric Type I High Voltage 1.0 to 5.0kV, based on case styles VR,CV & CH       | 2      | 0505 |
| 3001/034                            | Capacitors Fixed High Ceramic Dielectric Type II High Voltage 1.0 to 5.0kV, based on case styles VR,CV & CH | 2      | 0505 |
| 3001/035                            | Capacitors, Fixed, Ceramic Dielectric, Type I, High Voltage 1.0 to 5.0 kV, Radial Leaded Device             | 1      | 0210 |
| 3001/036                            | Capacitors, Fixed, Ceramic Dielectric Type II, High Voltage 1.0 to 5.0 KV, Radial Leaded Device             | 1      | 0210 |



REP001

## List of Published ESCC Documents and Specifications

Issue: 6

Page: 12

| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 05</b><br><b>Capacitors Tantalum Solid</b> | Status |      |
|-------------------------------------|--|--------|------|
|                                     |  | Issue  | Date |
| 3002                                | Generic Specification for Capacitors Fixed Tantalum Solid Electrolyte                          | 1      | 0210 |
| 3002/001                            | Capacitors Fixed Tantalum Solid Electrolyte, based on type CSR23                               | 1      | 0210 |
| 3002/002                            | Capacitors Fixed Tantalum Solid Electrolyte, based on type CSR13                               | 1      | 0210 |
| 3002/003                            | Capacitors Fixed Tantalum Solid Electrolyte, based on type CTS21E                              | 1      | 0210 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 13

---

| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 06</b><br><b>Capacitors Tantalum Gelled</b>                           | Status |      |
|-------------------------------------|---|--------|------|
|                                     |   | Issue  | Date |
| 3003                                | Generic Specification for Capacitors Fixed Tantalum Non-Solid Electrolyte   | 1      | 0210 |
| 3003/005                            | Capacitors Fixed Tubular Porous Tantalum Cathode and Anode Gelled Electrolyte Hermetically Sealed,<br>based on type CLR79 | 1      | 0210 |
| 3003/006                            | Capacitor Fixed Tubular Porous Tantalum Cathode and Anode Gelled Electrolyte Hermetically Sealed<br>Based on Type ST 79   | 1      | 0711 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 14

| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 07<br/>Capacitors Glass</b> | Status |      |
|-------------------------------------|---|--------|------|
|                                     |   | Issue  | Date |
| 3004                                | Generic Specification for Capacitors Fixed Glass Dielectric                     | 1      | 0210 |
| 3004/001                            | Capacitors Fixed Glass Dielectric, based on type CYR10                          | 1      | 0210 |
| 3004/002                            | Capacitors Fixed Glass Dielectric, based on type CYR15                          | 1      | 0210 |
| 3004/003                            | Capacitors Fixed Glass Dielectric, based on types CYR51 CYR52 and CYR53         | 1      | 0210 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 15

| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 09</b><br><b>Capacitors Fixed Plastic Metallised</b>                  | Status |      |
|-------------------------------------|---|--------|------|
|                                     |   | Issue  | Date |
| 3006                                | Generic Specification for Capacitors Fixed Film Dielectric  | 1      | 0210 |
| 3006/001                            | Capacitors Fixed Metallized Plastic Film Dielectric, based on types CRH01 thru CHR05                                      | 1      | 0210 |
| 3006/007                            | Capacitors Fixed Metallized Polycarbonate Dielectric, based on type CKM 111   | 1      | 0210 |
| 3006/008                            | Capacitors Fixed Metallized Plastic Film Dielectric High Voltage, based on type IEXXX                                     | 1      | 0210 |
| 3006/019                            | Capacitors Fixed dc Self Healing Structured Metallised Polyester (PET) Film Dielectric, based on type MKT                 | 1      | 0210 |
| 3006/020                            | Capacitors Fixed DC Self-Healing Metallised Film Dielectric, Based on type PM90S  | 1      | 0210 |
| 3006/022                            | Capacitors Fixed Reconstituted MICA High Voltage, based on type HT86PS  | 1      | 0210 |
| 3006/023                            | Capacitors, Fixed, Surface Mount,D.C. Self Healing, Non Inductive, Polyphenylene Sulphide Dielectric, based on Type KM94S | 3      | 0505 |
| 3006/024                            | Capacitors, Fixed, Surface Mount, D.C. Self Healing, Non-Inductive, Polyterephthalate Dielectric, based on type PM94S     | 2      | 0505 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 16



| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 10</b><br><b>Capacitors Mica</b> | Status |      |
|-------------------------------------|--|--------|------|
|                                     |  | Issue  | Date |
| 3007                                | Generic Specification for Capacitors Fixed Mica Dielectric                           | 1      | 0210 |
| 3007/001                            | Capacitors Fixed Mica Dielectric, based on type CMR01                                | 1      | 0210 |
| 3007/002                            | Capacitors Fixed Mica Dielectric, based on type CMR02                                | 1      | 0210 |
| 3007/003                            | Capacitors Fixed Mica Dielectric, based on type CMR03                                | 1      | 0210 |
| 3007/004                            | Capacitors Fixed Mica Dielectric, based on type CMR04                                | 1      | 0210 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 17

| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 11<br/>Capacitors Filter</b>  | Status |      |
|-------------------------------------|---|--------|------|
|                                     |   | Issue  | Date |
| 3008                                | Generic Specification for Capacitors and Capacitor Filters Feedthrough.   | 1      | 0210 |
| 3008/001                            | Capacitor Filters Feedthrough Electromagnetic Interference Suppression, based on type 1270/712  | 1      | 0210 |
| 3008/014                            | Capacitor Filters PI-Type Feedthrough Electromagnetic Interference Suppression Non-Hermetically Sealed, based on type SFP040          | 1      | 0210 |
| 3008/020                            | Capacitor Filters C-Type Feedthrough Electromagnetic Interference Suppression Hermetically sealed(one end only), based on type SFC030 | 1      | 0210 |
| 3008/021                            | Capacitor Filters PI-Type Feedthrough Electromagnetic Interference Suppression Hermetically Sealed, based on type SFP060              | 1      | 0210 |
| 3008/025                            | Capacitor Filters PI-Type Feedthrough Electromagnetic Interference Suppression Non-Hermetically Sealed, based on type SFP035          | 2      | 0612 |
| 3008/026                            | Capacitor Filters C-Type Feedthrough Electromagnetic Interference Suppression Hermetically Sealed, based on type SFC060               | 1      | 0210 |
| 3008/027                            | Capacitor Filters C-Type FeedThrough Electromagnetic Interference Suppression Hermetically Sealed, based on type SFC100               | 2      | 0304 |
| 3008/028                            | Capacitor Filters PI-Type Feedthrough Electromagnetic Interference Suppression Hermetically Sealed, based on type SFP100              | 1      | 0210 |
| 3008/029                            | Capacitor Filters L-Type Feedthrough Electromagnetic Interference Suppression Hermetically Sealed, based on type SFL100               | 1      | 0210 |
| 3008/030                            | Capacitor Filters PI-Type Feedthrough Electromagnetic Interference Suppression Non-Hermetically Sealed, based on type SFP060          | 1      | 0210 |
| 3008/031                            | Capacitor Filters C Type Feedthrough Electromagnetic Interference Suppression Non-Hermetically Sealed, based on type SFC035           | 2      | 0612 |
| 3008/032                            | Capacitor Filters C-Type Feedthrough Electromagnetic Interference Suppression Non-Hermetically Sealed, based on type SFC040           | 1      | 0210 |
| 3008/033                            | Capacitor Filters C-Type Feedthrough Electromagnetic Interference Suppression Non-Hermetically Sealed, based on type SFC060           | 1      | 0210 |
| 3008/034                            | Capacitor Filters, C-Type, Electromagnetic Interference Suppression, Surface Mount, based on Type SFCMS 35                            | 1      | 0507 |
| 3008/035                            | Capacitor Filters, T-Type, Electromagnetic Interference Suppression, Surface Mount, based on Type SFCMS 35                            | 1      | 0507 |
| 3008/036                            | Capacitor Filters, L-Type, Electromagnetic Interference Suppression, Surface Mount, based on type SFCMS 35                            | 1      | 0507 |
| 3008/037                            | Capacitor Filters, PI-Type, Electromagnetic Interference Suppression, Surface Mount, based on Type SFCMS 35                           | 1      | 0507 |



REP001

## List of Published ESCC Documents and Specifications

Issue: 6

Page: 18

| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 48<br/>Capacitors Chip</b>                                       | Status |      |
|-------------------------------------|--|--------|------|
|                                     |  | Issue  | Date |
| 3009                                | Generic Specification for Capacitors Fixed Chips Ceramic Dielectric Types I and II                                   | 1      | 0210 |
| 3009/003                            | Capacitors Fixed Chips Ceramic Dielectric Type I, based on type 0805   | 3      | 0511 |
| 3009/004                            | Capacitors Fixed Chips Ceramic Dielectric Type I, based on type 1210   | 3      | 0511 |
| 3009/005                            | Capacitors Fixed Chips Ceramic Dielectric Type I, based on type 1812   | 3      | 0511 |
| 3009/006                            | Capacitors Fixed Chips Ceramic Dielectric Type I, based on type 2220   | 3      | 0511 |
| 3009/007                            | Capacitors Fixed Chips Ceramic Dielectric Type I, based on type 1805   | 1      | 0210 |
| 3009/008                            | Capacitors Fixed Chips Ceramic Dielectric Type II, based on type 0805  | 2      | 0502 |
| 3009/009                            | Capacitors Fixed Chips Ceramic Dielectric Type II, based on type 1210  | 2      | 0502 |
| 3009/010                            | Capacitors Fixed Chips Ceramic Dielectric Type II, based on type 1812  | 2      | 0502 |
| 3009/011                            | Capacitors Fixed Chips Ceramic Dielectric Type II, based on type 2220  | 2      | 0502 |
| 3009/012                            | Capacitors Fixed Chips Ceramic Dielectric Type II, based on type 1805  | 1      | 0210 |
| 3009/013                            | Capacitors Fixed Button Ceramic Dielectric Type I, based on type CFC908  | 1      | 0210 |
| 3009/016                            | Capacitors Fixed Chips Multiple Layer Ceramic Dielectric High Frequency Type I, based on types CDR11 and CDR12       | 1      | 0210 |
| 3009/017                            | Capacitors Fixed Chips Multiple Layer Ceramic Dielectric High Frequency Type I, based on types CDR13 CDR14 and CDR21 | 1      | 0210 |
| 3009/022                            | Capacitors Fixed Chips Ceramic Dielectric Type I, Based on type 1206   | 3      | 0511 |
| 3009/023                            | Capacitors Fixed Chips Ceramic Dielectric Type II, based on type 1206  | 2      | 0502 |
| 3009/034                            | Capacitors Fixed Chip High Voltage (1-3KV) Ceramic Dielectric Type II, based on types 1812 & 1825                    | 2      | 0301 |
| 3009/035                            | Capacitors Fixed Chips Multiple Layer Ceramic Dielectric High Frequency, based on Type CHA                           | 1      | 0210 |
| 3009/036                            | Capacitors Fixed chips Multiple Layer Ceramic Dielectric High Frequency, based on Type CHB                           | 1      | 0210 |



REP001

## List of Published ESCC Documents and Specifications

Issue: 6

Page: 19

| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 49</b><br><b>Capacitors Variable</b>      | Status |      |
|-------------------------------------|---|--------|------|
|                                     |   | Issue  | Date |
| 3010                                | Generic Specification for Capacitors Variable Concentric Trimmer                              | 1      | 0210 |
| 3010/004                            | Capacitors Variable Concentric Trimmer Air Dielectric 1 to 10 pF Body Diameter 7.6 mm         | 1      | 0210 |
| 3010/005                            | Capacitors Variable Concentric Trimmer Air Dielectric 1 to 10 pF Body Diameter 9.8 mm         | 1      | 0210 |
| 3010/006                            | Capacitors Variable Concentric Trimmer Air Dielectric 1.4 to 14 pF Body Diameter 7.6 mm       | 1      | 0210 |
| 3010/008                            | Capacitors Variable Concentric Trimmer Air Dielectric 1 to 20 pF Body Diameter 8 mm           | 1      | 0210 |
| 3010/010                            | Capacitors Variable Concentric Trimmer Air Dielectric 0.8 to 6 pF Body Diameter 6.2 mm        | 1      | 0210 |
| 3010/011                            | Capacitors Variable Concentric Trimmer Air Dielectric 1 to 10 pF Body Diameter 6.2 mm         | 1      | 0210 |
| 3010/012                            | Capacitors Variable Concentric Trimmer Air Dielectric 0.6 to 3.5 pF Body Diameter 4.6 mm      | 1      | 0210 |
| 3010/013                            | Capacitors Variable Concentric Trimmer Air Dielectric 0.6 to 5 pF Body Diameter 4.6 mm        | 1      | 0210 |
| 3010/014                            | Capacitors Variable Concentric Trimmer Sapphire Dielectric 0.8 to 8 pF Body Diameter 3.0 mm   | 1      | 0210 |
| 3010/015                            | Capacitors Variable Concentric Trimmer Sapphire Dielectric 0.6 to 4.5 pF Body Diameter 3.0 mm | 1      | 0210 |
| 3010/016                            | Capacitors Variable Concentric Trimmer Sapphire Dielectric 0.4 to 2.5 pF Body Diameter 3.0 mm | 1      | 0210 |
| 3010/017                            | Capacitors Variable Concentric Trimmer Sapphire Dielectric 0.2 to 1.2 pF Body Diameter 1.9 mm | 1      | 0210 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 20

| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 66</b><br><b>Capacitors Chip Tantalum Solid Electrolyte</b> | Status |      |
|-------------------------------------|---|--------|------|
|                                     |   | Issue  | Date |
| 3011                                | Generic Specification for Capacitors Chip Tantalum Solid Electrolyte  | 1      | 0210 |
| 3011/001                            | Capacitors Chip Tantalum Solid Electrolyte, based on type 1005  | 1      | 0210 |
| 3011/002                            | Capacitors Chip Tantalum Solid Electrolyte, based on type 1505  | 1      | 0210 |
| 3011/003                            | Capacitors Chip Tantalum Solid Electrolyte, based on type 2005  | 1      | 0210 |
| 3011/004                            | Capacitors Chip Tantalum Solid Electrolyte, based on type 1510  | 1      | 0210 |
| 3011/005                            | Capacitors Chip Tantalum Solid Electrolyte, based on type 2010  | 1      | 0210 |
| 3011/006                            | Capacitors Chip Tantalum Solid Electrolyte, based on type 2213  | 1      | 0210 |
| 3011/007                            | Capacitors Chip Tantalum Solid Electrolyte, based on type 2611  | 1      | 0210 |
| 3011/008                            | Capacitors Chip Tantalum Solid Electrolyte, based on type 2815  | 1      | 0210 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 21

| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 71</b><br><b>Capa Ldless Surf M'ted Ta Sol Elect Encl Anode Con</b> | Status |      |
|-------------------------------------|---|--------|------|
|                                     |   | Issue  | Date |
| 3012                                | Generic Specification for Capacitors Leadless Surface Mounted Tantalum Solid Electrolyte Enclosed Anode Connection      | 1      | 0210 |
| 3012/001                            | Capacitors Leadless Surface Mounted Tantalum Solid Electrolyte Enclosed Anode Connection, based on type TAJ             | 2      | 0305 |
| 3012/002                            | Capacitors Leadless Surface Mounted Tantalum Solid Electrolyte, based on type CTC21                                     | 1      | 0210 |
| 3012/003                            | Capacitors, Leadless Surface Mounted, Tantalum, Solid Electrolyte, based on type CTC21E                                 | 1      | 0210 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 22

| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 63</b><br><b>Power Divider Coupler RF Waveguide</b> | Status |      |
|-------------------------------------|---|--------|------|
|                                     |   | Issue  | Date |
| 2023102                             | Checklist for Waveguide Devices Manufacturer and Line Survey  | 1      | 0210 |
| 2053102                             | External Visual Inspection of Waveguide Devices   | 1      | 0210 |
| 3102                                | Generic Specification for Waveguide Filters and Multiplexers with Waveguide and Coaxial Interfaces      | 1      | 0210 |
| 3102/001                            | Waveguide Diplexers with Waveguide and Coaxial Interfaces 4-18Ghz, based on series WM***                | 1      | 0210 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 23

| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 12</b><br><b>R.F. Coils</b> | Status |      |
|-------------------------------------|---|--------|------|
|                                     |   | Issue  | Date |
| 3201                                | Generic Specification for Coils, RF and Power, Fixed                            | 4      | 0704 |
| 3201/008                            | RF Inductors Fixed Miniature Moulded SMD, based on series MSC1 10K and MSC1 12K | 4      | 0806 |
| 3201/009                            | Power Inductors,Moulded, SMD, based on Series SESI                              | 4      | 0409 |
| 3201/010                            | Chokes, Common Mode, Fixed, Moulded, SMD, Based on Series CMC15, 18 and 22      | 1      | 0902 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 24



| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 70</b><br><b>Ferrite Microwave Components</b> | Status |      |
|-------------------------------------|---|--------|------|
|                                     |   | Issue  | Date |
| 2263202                             | Evaluation Test Programme for Ferrite Microwave Components (Isolators and Circulators)            | 2      | 0409 |
| 3202                                | Generic Specification for Ferrite Microwave Components Isolators and Circulators                  | 1      | 0210 |
| 3202/018                            | Circulators Coaxial/Drop-In 420MHz-18GHz, based on series 10*xxxx and 19*xxxx                     | 1      | 0210 |
| 3202/019                            | Isolators Coaxial/Drop-In 420MHz-18GHz, based on series 20*xxxx and 29*xxxx                       | 1      | 0210 |
| 3202/020                            | Isolators Waveguide 2.5-40 GHz, based on series **HD***   | 1      | 0210 |
| 3202/021                            | Circulators Waveguide 2.5-40 GHz, based on series **CD****  | 1      | 0210 |
| 3202/025                            | Isolators Miniature Drop-In 4-18GHz, based on series F9*xxxx and H9*xxxx                          | 1      | 0210 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 25

| ESCC<br>Document or<br>Spec. Number | Specification Title  | Status |      |
|-------------------------------------|--|--------|------|
|                                     |  | Issue  | Date |
|                                     | <b>Class of Publication: 96</b><br><b>Sectional Basic Specs for Optical Fibre Connector Sets</b> |        |      |
| 2263010                             | Evaluation Test Programme for Optical Fibre Connector Sets                                       | 2      | 0605 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 26

---

| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 83</b><br><b>Sectional Basic Specs for Electrical Connectors</b> | Status |      |
|-------------------------------------|--|--------|------|
|                                     |  | Issue  | Date |
| 2023400                             | Checklist for Connectors Manufacturer and Line Survey  | 2      | 0402 |
| 2053400                             | External Visual Inspection of Electrical Connectors  | 1      | 0210 |
| 2133400                             | Terms Definitions Abbreviations Symbols and Units for Electrical Connectors  | 1      | 0210 |
| 2263400                             | Evaluation Test Programme for Connectors   | 1      | 0210 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 27

---

| ESCC<br>Document or<br>Spec. Number | Specification Title  | Status |      |
|-------------------------------------|--|--------|------|
|                                     |  | Issue  | Date |
|                                     | <b>Class of Publication: 13</b><br><b>Connectors Multicontact</b>  |        |      |
| 3401                                | Generic Specification for Connectors Electrical Non-Filtered Circular and Rectangular  | 1      | 0210 |
| 3401/001                            | Connectors Electrical Rectangular Non-Removable Solder Bucket PCB and Wire-Wrap Contacts and Removable Coaxial and Power Contacts, based on type D*M | 3      | 0612 |
| 3401/002                            | Connectors Electrical Rectangular Removable Crimp Contacts, based on type D*MA   | 4      | 0612 |
| 3401/004                            | Contacts Coaxial Crimp-type and Solder-Type for 3401/001 and 3401/002 Connectors   | 2      | 0304 |
| 3401/005                            | Contacts Electrical Crimp for 3401/002 Connectors  | 4      | 0511 |
| 3401/007                            | Connectors Miniature Electrical Circular Bayonet Coupling Crimp-Type Removable Contacts, based on type DFE   | 1      | 0210 |
| 3401/008                            | Connectors Miniature Electrical Circular Push-Pull Coupling Removable Crimp Contacts, based on type DBAS   | 1      | 0210 |
| 3401/009                            | Contacts Electrical Crimp for 3401/007 and 3401/008 Connectors   | 1      | 0210 |
| 3401/011                            | Connectors Subminiature Electrical Rectangular Central Jackscrew Coupling Crimp-Type Removable Contacts, based on type UR                            | 1      | 0210 |
| 3401/012                            | Contacts Electrical Subminiature Crimp-Type for 3401/011 Connectors  | 1      | 0210 |
| 3401/016                            | Connectors Electrical for Printed Circuit Boards Removable Contacts Crimp Wire-Wrap Solder and Saver, based on type HE801                            | 2      | 0704 |
| 3401/017                            | Contacts Electrical Crimp Wire-Wrap Solder and Saver for 3401/016 Connectors   | 3      | 0612 |
| 3401/020                            | Connector Savers Electrical Rectangular Miniature Removable Contacts, based on type D*BMA  | 4      | 0612 |
| 3401/021                            | Contacts Electrical Male/Female Type for 3401/020 Connector Savers   | 1      | 0210 |
| 3401/022                            | Accessories for Rectangular Connectors 3401/001 and 3401/002 and Connector Savers 3401/020   | 3      | 0804 |
| 3401/023                            | Connectors Miniature Electrical Circular Push-pull Coupling Hermetic Receptacle, based on type DBA 7*H   | 1      | 0210 |
| 3401/029                            | Connectors Electrical Rectangular Microminiature, based on type MDM  | 5      | 0704 |
| 3401/031                            | Connectors Electrical Single-in-Line Microminiature, based on type MTB1  | 2      | 0304 |
| 3401/032                            | Accessories for Connectors Microminiature 3401/029 and Connector Savers 3401/041   | 2      | 0511 |
| 3401/033                            | Connectors Savers Electrical Circular Miniature non-removable, based on type DBAS  | 1      | 0210 |
| 3401/039                            | Connectors Electrical for Printed Circuit Boards Non-Removable Solder and Wire-Wrap Contacts and Connector Savers, based on type KMC                 | 2      | 0612 |
| 3401/040                            | Contacts Power Crimp-Type and Solder Type for 3401/001 and 3401/002 Connectors   | 3      | 0505 |
| 3401/041                            | Connector Savers Electrical Rectangular Microminiature, based on type MDM  | 2      | 0304 |
| 3401/043                            | Connectors Miniature Electrical Circular Bayonet Coupling Hermetic Receptacle, based on type DBC5*H  | 1      | 0210 |



REP001

## List of Published ESCC Documents and Specifications

Issue: 6

Page: 28

| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 13<br/>Connectors Multicontact</b>  | Status |      |
|-------------------------------------|---|--------|------|
|                                     |   | Issue  | Date |
| 3401/044                            | Connectors Electrical Circular Bayonet Coupling Removable Crimp Contacts, based on MIL-C-38999 SeriesII   | 1      | 0210 |
| 3401/045                            | Contacts Electrical Crimp Type for 3401/044 Connectors  | 1      | 0210 |
| 3401/052                            | Connectors Electrical Circular Bayonet Coupling Scoop-Proof Removable Crimp-Type Contacts, based on MIL-C-38999 SeriesI                                     | 1      | 0210 |
| 3401/056                            | Connectors Miniature Electrical Circular Triple-Start Self-Locking Coupling Scoop-Proof Removable Crimp Contacts, based on MIL-C38999 series III            | 4      | 0806 |
| 3401/057                            | Connectors Miniature Electrical Circular Triple-Start Self-Locking Coupling Scoop-Proof Hermetic Receptacle and Feedthrough, based on MIL-C-38999 SeriesIII | 2      | 0405 |
| 3401/058                            | Contacts Electrical Crimp for 3401/052 and /056 Connectors  | 3      | 0812 |
| 3401/060                            | Connectors Electrical Rectangular Multiple Insert Type Rack and Panel Removable Crimp Contacts, based on MIL-C83527   | 1      | 0210 |
| 3401/061                            | Contacts Electrical Crimp for 3401/060 Connectors   | 1      | 0210 |
| 3401/062                            | Accessories for Circular Connectors 3401/044 3401/052 and 3401/056  | 1      | 0210 |
| 3401/063                            | Connector Savers for Electrical Circular Connectors 3401/044, 3401/052, and 3401/056  | 2      | 0301 |
| 3401/064                            | Accessories for Circular Connectors 3401/008 (DBAS)   | 1      | 0210 |
| 3401/065                            | Connectors and Savers Electrical Rectangular Non-Removable PCB Contacts, based on type MHD  | 2      | 0612 |
| 3401/066                            | Contacts Electrical Triax Crimp for 3401/056 Connectors   | 3      | 0804 |
| 3401/069                            | Contacts Electrical Twinax Crimp for 3401/001 Connectors  | 1      | 0210 |
| 3401/070                            | Connector Receptacles Electrical Circular Triple-Start Self-Locking coupling Scoop-proof, P.C.B. Non-Removable Contacts Based on MIL-C38999 Series III      | 3      | 0511 |
| 3401/071                            | Connectors, Electrical, Rectangular, Microminiature, Solder Bucket Contacts, with EMI Backshell, based on Type MDM  | 1      | 0305 |
| 3401/072                            | Lightweight accessories for rectangular connectors 3401/001 and 3401/002  | 4      | 0812 |
| 3401/073                            | Connectors, Electrical, Solar Array with Removable Crimp Contacts based on Type D-PASO  | 1      | 0611 |
| 3401/074                            | Contacts Electrical Crimp for No. 3401/073 Solar Array Connectors   | 1      | 0611 |
| 3401/075                            | Accessories for 3401/073 Solar Array Connectors   | 1      | 0611 |
| 3401/076                            | Connectors, Electrical, Z-Axis Interposer, Based on Type RX   | 1      | 0704 |
| 3401/077                            | Connectors, Electrical, Rectangular, Microminiature, Removable Crimp Contacts, Based on Type MDMA   | 1      | 0810 |
| 3401/078                            | Contacts, Electrical, Crimp, for 3401/077 Microminiature Connectors based on Type MDMA  | 1      | 0810 |



REP001

## List of Published ESCC Documents and Specifications

Issue: 6

Page: 29

| ESCC<br>Document or<br>Spec. Number | Specification Title  | Status |      |
|-------------------------------------|--|--------|------|
|                                     |  | Issue  | Date |
|                                     | <b>Class of Publication: 13</b><br><b>Connectors Multicontact</b>  |        |      |
| 3401/079                            | Connector Electrical Triaxial Bayonet coupling, MIL-STD-1553B Databus with Non-Removable Crimp Contacts, based on Type ACB1 Series | 1      | 0810 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 30

---

| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 14<br/>Connectors Coaxial</b> | Status |      |
|-------------------------------------|---|--------|------|
|                                     |   | Issue  | Date |
| 3402                                | Generic Specification for Connectors RF Coaxial                                   | 1      | 0210 |
| 3402/001                            | RF Coaxial Connectors Type SMA 50 Ohms (Male Contact)                             | 1      | 0210 |
| 3402/002                            | RF Coaxial Connectors Type SMA 50 Ohms (Female Contact)                           | 1      | 0210 |
| 3402/003                            | RF Coaxial Connectors Type SMA 50 Ohms Adaptors and Connecting Pieces             | 1      | 0210 |
| 3402/004                            | RF Coaxial Connectors Type SSMA (Male Contact)                                    | 1      | 0210 |
| 3402/005                            | RF Coaxial Connectors Type SSMA (Female Contact)                                  | 1      | 0210 |
| 3402/006                            | RF Coaxial Connectors Type SSMA Adaptors and Connecting Pieces                    | 1      | 0210 |
| 3402/008                            | RF Coaxial Connectors Type TNC 50 Ohms (Male contact)                             | 1      | 0210 |
| 3402/009                            | RF Coaxial Connectors Type TNC 50 Ohms (Female Contact)                           | 1      | 0210 |
| 3402/010                            | RF Coaxial Connectors Type TNC 50 Ohms Adaptors and Connecting Pieces             | 1      | 0210 |
| 3402/011                            | RF Coaxial Connectors Blind-mate Slide-on, based on type SBMA (male contact)      | 1      | 0210 |
| 3402/012                            | RF Coaxial Connectors Blind-Mate Slide-On, based on type SBMA(female contact)     | 1      | 0210 |
| 3402/013                            | RF Coaxial Connectors Blind Mate Slide-On, based on type BMA (male contact)       | 1      | 0210 |
| 3402/014                            | RF Coaxial Connectors Blind Mate Slide-on, based on type BMA (Female contact)     | 1      | 0210 |
| 3402/021                            | RF Coaxial Connectors, Type SMA 2.9, 50 Ohms (Male Contact)                       | 1      | 0307 |
| 3402/022                            | RF Coaxial Connectors, Type SMA 2.9, 50 Ohms (Female Contact)                     | 1      | 0307 |
| 3402/023                            | RF Coaxial Adaptors and Connecting Pieces, Type SMA 2.9, 50 Ohms                  | 2      | 0807 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 31

| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 80</b><br><b>Connectors Electr. Filtered Circ. &amp; Rect.</b> | Status |      |
|-------------------------------------|--|--------|------|
|                                     |  | Issue  | Date |
| 3405                                | Generic Specification for Connectors Electrical Filtered Circular & Rectangular                                    | 1      | 0210 |
| 3405/001                            | Connectors Electrical Filtered Rectangular Non-Removable Solder Bucket Contacts, based on type D*J                 | 1      | 0210 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 32

---



| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 58<br/>Attenuators and Loads</b> | Status |      |
|-------------------------------------|--|--------|------|
|                                     |  | Issue  | Date |
| 3403                                | Generic Specification for Attenuators and Loads RF Coaxial Fixed                     | 2      | 0508 |
| 3403/004                            | Load, RF, Coaxial, Type SMA, DC-18GHz  | 2      | 0706 |
| 3403/005                            | Attenuator, RF Coaxial, Type SMA, DC-22GHz   | 3      | 0706 |
| 3403/006                            | Load RF Coaxial Type SMA, DC-22GHz   | 2      | 0706 |
| 3403/008                            | Attenuator, RF Coaxial, Type SMA 2.9, DC-31.5GHz                                     | 2      | 0602 |
| 3403/009                            | Load, RF, Coaxial, type SMA 2.9, DC-31.5 GHz   | 2      | 0602 |
| 3403/010                            | Load, RF, Coaxial, Type TNC, DC-18GHz  | 1      | 0706 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 33

| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 62</b><br><b>Power Dividers</b>             | Status |      |
|-------------------------------------|---|--------|------|
|                                     |   | Issue  | Date |
| 3404                                | Generic Specification for Power Dividers Couplers RF Coaxial                                    | 1      | 0210 |
| 3404/001                            | Power Dividers Unsealed 4-Port Quadrature 3dB SMA Connectors 01-18Ghz, based on type R433*11600 | 1      | 0210 |
| 3404/004                            | RF Power Dividers Unsealed 4-Port Quadrature SMA Connectors 3DB 1-18GHz                         | 1      | 0210 |
| 3404/005                            | RF Couplers Unsealed SMA Connectors 4-30dB 1-22 GHz   | 1      | 0210 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 34

| ESCC<br>Document or<br>Spec. Number | Specification Title  | Status |      |
|-------------------------------------|--|--------|------|
|                                     |  | Issue  | Date |
|                                     | <b>Class of Publication: 93</b><br><b>Sectional Basic Specifications for Quartz Crystals</b> |        |      |
| 2023501                             | Checklist for Quartz Crystals Manufacturers and Line Survey                                  | 2      | 0402 |
| 2043501                             | Internal Visual Inspection of Quartz Crystal Units   | 2      | 0304 |
| 2053501                             | External Visual Inspection of Quartz Crystal Units   | 1      | 0210 |
| 2093501                             | Radiographic Inspection of Quartz Crystal Units  | 1      | 0210 |
| 2263501                             | Evaluation Test Programme for Quartz Crystal Units   | 1      | 0210 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 35

| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 15<br/>Quartz Crystal</b>   | Status |      |
|-------------------------------------|---|--------|------|
|                                     |   | Issue  | Date |
| 3501                                | Generic Specification for Quartz Crystal Units  | 3      | 0612 |
| 3501/001                            | Crystal Units in Metal Holder, based on type T807, Frequency range:4.0-140MHz.  | 2      | 0704 |
| 3501/002                            | Crystal Units In Metal Holder, based on type T1507, Frequency Range:2.5-20 MHz.   | 3      | 0704 |
| 3501/003                            | Crystal Units in Metal Holder, based on type T2111, Frequency Range: 0.8-50MHz.   | 1      | 0210 |
| 3501/006                            | Crystal Units in Glass Case Frequency Range 2.5 to 300MHz, based on type DA (HC-27/U)   | 1      | 0210 |
| 3501/008                            | Crystal Units in Metal Holder, based on type T807, frequency range 4.0-140MHz.(Follow-up specification to ESA/SCC No.3501/001)                                  | 3      | 0807 |
| 3501/009                            | Crystal Units in Metal Holder, based on type T1507, Frequency Range 2.5-20MHz (follow-up specification to ESA/SCC 3501/002)                                     | 3      | 0807 |
| 3501/011                            | Crystal Units in Metal Holder Frequency Range 4.0-140MHz, based on type 807 (Follow- up Specification to ESA/SCC 3501/001 and 3501/008)                         | 2      | 0704 |
| 3501/012                            | Crystal Units in Metal Holder Frequency Range 4.0-140MHz, based on type 807 (Follow-up Specification to ESA/SCC 3501/001, 3501/008 and 3501/011)                | 2      | 0704 |
| 3501/013                            | Crystal Units for Surface Mounting based on Type 101, Frequency Range 10-30MHz  | 1      | 0210 |
| 3501/014                            | Crystal Units based on Type 76 Frequency Range 1.5-30MHz  | 1      | 0210 |
| 3501/015                            | Crystal Units based on Type 47, Frequency Range 5-160MHz  | 1      | 0210 |
| 3501/016                            | Crystal Units in Metal Holder, based on Type T807, 50G, Frequency Range 4.0 to 140MHZ   | 1      | 0210 |
| 3501/017                            | Crystal Units in Metal Holder, based on Type T1507, 50G, Frequency Range 2.5 - 20MHZ  | 1      | 0210 |
| 3501/018                            | Crystal Units in Metal Holder, Based on Type T807, Frequency Range 4.0 - 140MHz<br>Follow-up specification to ESA/SCC 3501/001, 3501/008, 3501/011 and 3501/012 | 2      | 0704 |
| 3501/019                            | Crystal Units in Metal Holder, Based on Type T1507, Frequency Range 2.5-50MHz, Follow-up to 3501/002 and 3501/009   | 2      | 0704 |
| 3501/020                            | Crystal Units in Metal Holder, Base don Type T2111, Frequency Range 0.8-50MHz, Follow-up to 3501/003  | 1      | 0210 |
| 3501/021                            | Crystal Units in Glass Case, Based on Type DA (HC-27/U), Frequency Range 2.5-300MHz<br>Follow-up to 3501/006  | 1      | 0210 |



REP001

## List of Published ESCC Documents and Specifications

Issue: 6

Page: 36

| ESCC<br>Document or<br>Spec. Number | Specification Title   | Status |      |
|-------------------------------------|---|--------|------|
|                                     |   | Issue  | Date |
|                                     | <b>Class of Publication: 69</b><br><b>Surface Acoustic (SAW) Devices</b>                |        |      |
| 2023502                             | Checklist for Surface Acoustic Wave (SAW) Devices Manufacturer and Line Survey          | 1      | 0210 |
| 2043502                             | Internal Visual Inspection of Surface Acoustic Wave (SAW) Devices                       | 2      | 0304 |
| 2053502                             | External Visual Inspection of Surface Acoustic Wave (SAW) Devices                       | 1      | 0210 |
| 2093502                             | Radiographic Inspection of Surface Acoustic Wave (SAW) Devices                          | 1      | 0210 |
| 2263502                             | Evaluation Test Programme for Surface Acoustic Wave (SAW) Devices.                      | 1      | 0210 |
| 3502                                | Generic Specification for Surface Acoustic Wave (SAW) Devices (Filters)                 | 1      | 0210 |
| 3502/001                            | Surface Acoustic Wave (SAW) Bandpass Filter Operating in the Frequency Range 10-200 MHz | 1      | 0210 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 37

| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 76</b><br><b>Sectional Basic Specs for Relays</b> | Status |      |
|-------------------------------------|---|--------|------|
|                                     |   | Issue  | Date |
| 2023600                             | Checklist for Relays Manufacturer and Line Survey.  | 2      | 0402 |
| 2043600                             | Internal Visual Inspection of Electromagnetic Relays  | 1      | 0210 |
| 2053600                             | External Visual Inspection of Electromagnetic Relays  | 1      | 0210 |
| 2133600                             | Terms Definitions Abbreviations Symbols and Units for Electromagnetic Relays                          | 1      | 0210 |
| 2263600                             | Evaluation Test Programme for Electromagnetic Relays  | 2      | 0508 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 38

---

| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 16</b><br><b>Relays Non-Latching</b> | Status |      |
|-------------------------------------|--|--------|------|
|                                     |  | Issue  | Date |
| 3601                                | Generic Specification for Relays Electromagnetic Non-Latching                            | 2      | 0402 |
| 3601/002                            | Relays Electromagnetic Non-Latching 28Vdc 1A 2PDT TO5 Can                                | 1      | 0210 |
| 3601/003                            | Relays Electromagnetic Non-Latching 28Vdc 2A 2PDT 1/2 Crystal Can                        | 4      | 0508 |
| 3601/004                            | Relays Electromagnetic Non-Latching 28Vdc 10A 2PDT, based on type GP7                    | 2      | 0409 |
| 3601/007                            | Relays Electromagnetic Non-Latching 26.5Vdc 15A 2PDT                                     | 3      | 0409 |
| 3601/009                            | Relays Electromagnetic Non-Latching 28Vdc 25A 3PDT                                       | 2      | 0409 |
| 3601/012                            | Relays Electromagnetic Non-Latching 1A 28Vdc 2PDT 1/6 Crystal Can                        | 3      | 0409 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 39

| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 17</b><br><b>Relays Latching</b> | Status |      |
|-------------------------------------|--|--------|------|
|                                     |  | Issue  | Date |
| 3602                                | Generic Specification for Relays Electromagnetic Latching                            | 2      | 0402 |
| 3602/002                            | Relays Electromagnetic Latching 28Vdc 1A 2PDT TO5 Can                                | 1      | 0210 |
| 3602/003                            | Relays Electromagnetic Latching 28Vdc 2A 2PDT 1/2 Crystal Can                        | 5      | 0508 |
| 3602/004                            | Relays Electromagnetic Latching 28Vdc 15A 4PDT                                       | 2      | 0409 |
| 3602/005                            | Relays Electromagnetic Latching 10A 50 Vdc, based on type GP3A                       | 3      | 0409 |
| 3602/006                            | Relays Electromagnetic Latching 28Vdc 25A 3PDT                                       | 2      | 0409 |
| 3602/009                            | Relays Electromagnetic Latching 28 Vdc 15A 2PDT                                      | 3      | 0409 |
| 3602/010                            | Relays Electromagnetic Latching 50 Vdc 2A 2PDT 1/2 Crystal Can, based on type GP250  | 3      | 0409 |
| 3602/014                            | Relays Electromagnetic Latching 50Vdc 50A 1PDT                                       | 2      | 0409 |
| 3602/019                            | Relays Electromagnetic Latching 1A 28Vdc 2PDT 1/6 Crystal Can                        | 2      | 0409 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 40



| ESCC<br>Document or<br>Spec. Number | Specification Title  | Status |      |
|-------------------------------------|--|--------|------|
|                                     |  | Issue  | Date |
|                                     | <b>Class of Publication: 92</b><br><b>Relays Electromagnetic RF Coaxial Switch Latching</b>                            |        |      |
| 3603                                | Generic Specification for Relays Electromagnetic RF Coaxial Switch Latching  | 1      | 0210 |
| 3603/002                            | Relays Electromagnetic RF Coaxial Switch Latching Single Pole Double Throw SMA Connectors (BBM) with Indicator Circuit | 1      | 0210 |
| 3603/006                            | Relays Eelectromagnetic, RF Coaxial Switch, Latching, 3/3/5 Matrix, SMA Connectors (BBM) with Indicator Circuit        | 1      | 0210 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 41

| ESCC<br>Document or<br>Spec. Number | Specification Title                                       | Status |      |
|-------------------------------------|---|--------|------|
|                                     |   | Issue  | Date |
|                                     | <b>Class of Publication: 59</b><br><b>Toggle Switches</b> |        |      |
| 2043701                             | Internal Visual Inspection of Electromechanical Switches  | 2      | 0304 |
| 2053701                             | External Visual Inspection of Electromechanical Switches  | 2      | 0304 |
| 3701                                | Generic Specification for Electromechanical Switches      | 2      | 0712 |
| 3701/003                            | Microswitches Sensitive 1PDT, based on series T3          | 2      | 0807 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 42

| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 67</b><br><b>Switches Thermostatic Bimetallic</b> | Status |      |
|-------------------------------------|---|--------|------|
|                                     |   | Issue  | Date |
| 3702                                | Generic Specification for Switches Thermostatic Bimetallic Hermetically Sealed.                       | 3      | 0712 |
| 3702/001                            | Switches Thermostatic Bimetallic SPDT Opening Contact   | 4      | 0807 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 43

---

| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 19<br/>Cables L.F.</b>  | Status |      |
|-------------------------------------|---|--------|------|
|                                     |   | Issue  | Date |
| 3901                                | Generic Specification for Wires and Cables Electrical 600V Low Frequency  | 1      | 0210 |
| 3901/001                            | Polyimide Insulated Wires and Cables Low Frequency 600V -100 to +200 degree C   | 1      | 0210 |
| 3901/002                            | Polyimide Insulated Wires and Cables Low Frequency 600V -100 to +200 degree C   | 1      | 0210 |
| 3901/005                            | Polyimide Insulated Wires and Cables Low Frequency 600V -100 to +150 degree C   | 1      | 0210 |
| 3901/006                            | Polyimide Insulated Wires and Cables Low Frequency 600V -100 to +150 degree C   | 1      | 0210 |
| 3901/007                            | Polyimide Insulated Wires and Cables Low Frequency 600V -150 to +150 degree C, based on type SPA2110  | 2      | 0505 |
| 3901/008                            | Polyimide Insulated Wires and Cables Low Frequency 600V -150 to +150 degree C, based on type SPB2110  | 2      | 0505 |
| 3901/009                            | Polyimide Insulated Wires and Cables Low Frequency 600V -150 to +150 degree C, based on type SPC2110  | 2      | 0505 |
| 3901/011                            | Extruded Crosslinked Fluoropolymer Insulated Wires and Cables on Tin Plated Copper Conductor Low Frequency 600V -100 to +150 degree C                                 | 1      | 0210 |
| 3901/012                            | Extruded Crosslinked Fluoropolymer Insulated Wires and Cables on Silver Plated Copper Conductor Low Frequency 600V -100 to +200 degree C                              | 3      | 0806 |
| 3901/013                            | PTFE Insulated Wires and Cables Low Frequency 600V -100 to +200 degree C  | 1      | 0210 |
| 3901/014                            | Polyimide Insulated Shielded Cables with Drain Wires Low Frequency 600V -150deg.C +200deg.C, based on type SPA2110  | 1      | 0210 |
| 3901/017                            | Power Wires for Crimping Low Frequency 600V -200 to +200 degree Celsius, based on type SPP  | 1      | 0210 |
| 3901/018                            | Polyimide/Fluorothermoplast Insulated Wires and Cables Low Frequency 600V -200 to +200 degree Celsius, based on type SPM  | 1      | 0210 |
| 3901/019                            | Polyimide Insulated Wires and Cables Low Frequency 600V -200 to +200 degree C, based on type SPL  | 1      | 0210 |
| 3901/020                            | Extruded Cross-Linked Modified ETFE Insulated Wires & Cables on Silver-Plated Copper Conductors Lightweight Braided Low Frequency 600V -100 to +200 degree C          | 3      | 0806 |
| 3901/021                            | Polyimide Insulated Shielded Cables With Drain Wire Low Frequency 600V -200 to +200 degree C, based on type SPLD  | 1      | 0210 |
| 3901/022                            | Extruded Cross-Linked Modified ETFE Insulated Wires and Cables on Silver-Plated Copper Conductor Lightweight Spiral Shielded Low Frequency 600V -100 to +200 degree C | 3      | 0806 |
| 3901/024                            | Wires and Cables, Fluoropolymer Insulated, Low Frequency, 600V, -200 to + 200 degC, Based on Type CSWL  | 1      | 0210 |



REP001

## List of Published ESCC Documents and Specifications

Issue: 6

Page: 44

| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 20<br/>Cables R.F.</b>                                      | Status |      |
|-------------------------------------|---|--------|------|
|                                     |   | Issue  | Date |
| 3902                                | Generic Specification for Cables Coaxial Radio Frequency Flexible   | 1      | 0210 |
| 3902/001                            | Cables Coaxial Radio-Frequency Flexible 50 ohms Miniature PTFE Dielectric Polyimide Jacket, based on type 50CIS | 1      | 0210 |
| 3902/002                            | Coaxial Triaxial and Symmetric Cables Flexible -200 to +180 degreeC   | 2      | 0304 |
| 3902/003                            | Cable,Spacewire, Round, quad using Symmetric Cables, Flexible, -200 to +180 deg.C                               | 2      | 0806 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 45

| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 82</b><br><b>Solid Wires 350V for Wire Wrapping</b> | Status |      |
|-------------------------------------|---|--------|------|
|                                     |   | Issue  | Date |
| 3903                                | Generic Specification for Solid Wires Electrical 350 Volts for Wire Wrapping                            | 1      | 0210 |
| 3903/001                            | Kynar Insulated Solid Wires for Wire Wrapping 350V -60 to +100 degree Celsius, based on type FA3903-WY  | 1      | 0210 |
| 3903/002                            | PFA Insulated Solid Wires for Wire Wrapping 350V -100 to +200 degree Celsius, based on type FA3903WP    | 1      | 0210 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 46

| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 84</b><br><b>Sectional Basic specs for Resistors</b> | Status |      |
|-------------------------------------|--|--------|------|
|                                     |  | Issue  | Date |
| 2024000                             | Checklist for Resistors Manufacturer and Line Survey   | 2      | 0402 |
| 2044000                             | Internal Visual Inspection of Resistors  | 1      | 0210 |
| 2054000                             | External Visual Inspection of Resistors  | 2      | 0304 |
| 2094000                             | Radiographic Inspection of Resistors   | 1      | 0210 |
| 2134000                             | Terms Definitions Abbreviations Symbols and Units for Resistors  | 1      | 0210 |
| 2264000                             | Evaluation Test Programme for Resistors  | 1      | 0210 |
| 2544001                             | Requirements for the Technology Flow Qualification of Film Resistors                                     | 1      | 0812 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 47

| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 21<br/>Resistors Film and Metal Oxide</b> | Status |      |
|-------------------------------------|---|--------|------|
|                                     |   | Issue  | Date |
| 4001                                | Generic Specification for Resistors Fixed Film  | 2      | 0812 |
| 4001/011                            | Resistors Fixed Film Non-Hermetically Sealed, based on type RS92 (RNC90)                      | 1      | 0210 |
| 4001/022                            | Resistors, Fixed, Surface Mount Film, Non-Hermetically Sealed, Based on Type MS1              | 2      | 0612 |
| 4001/023                            | Resistors fixed film chips, based on type P HR  | 4      | 0812 |
| 4001/025                            | Resistor Arrays, Fixed, Surface Mount, Thin Film, based on Type PRA HR                        | 4      | 0901 |
| 4001/026                            | Resistors Fixed Chip Thick Film Based on Type CHP   | 2      | 0807 |
| 4001/027                            | Resistor Fixed Chip Metal Foil, based on Type SMP-PW, SMS-PW, SMT-PW                          | 1      | 0810 |
| 4001/028                            | Resistor Fixed Chip Metal Foil based on Type SMR-PW, SMV-PW                                   | 1      | 0810 |
| 4001/029                            | Resistor Fixed Surface Mount Thin Film Non Hermetically Sealed,<br>based on Type TNPS         | 1      | 0810 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 48



| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 22</b><br><b>Resistors Wire-Wound Precision</b> | Status |      |
|-------------------------------------|---|--------|------|
|                                     |   | Issue  | Date |
| 4002                                | Generic Specification for Resistors Fixed Wirewound   | 1      | 0210 |
| 4002/001                            | Resistors Fixed Wirewound Accurate, based on type RBR56   | 1      | 0210 |
| 4002/003                            | Resistors Fixed Wirewound, based on type RWR80  | 1      | 0210 |
| 4002/004                            | Resistors Fixed Wirewound, based on type RWR89  | 1      | 0210 |
| 4002/005                            | Resistors Fixed Wirewound, based on type RWR81  | 1      | 0210 |
| 4002/006                            | Resistors Fixed Wirewound Accurate, based on type RBR54   | 1      | 0210 |
| 4002/007                            | Resistors Fixed Wirewound Accurate, based on type RBR55   | 1      | 0210 |
| 4002/009                            | Resistors Fixed SMD Wirewound, based on Type MSP BHR  | 1      | 0210 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 49

| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 23</b><br><b>Resistors Wire-Wound Chassis-Mounted</b> | Status |      |
|-------------------------------------|---|--------|------|
|                                     |   | Issue  | Date |
| 4003                                | Generic Specification for Resistors Fixed Wirewound (Power-Type Chassis-Mounted)                          | 1      | 0210 |
| 4003/001                            | Resistors Fixed Wirewound Power-Type Chassis-Mounted 5W Semi-Precision, based on type RER60               | 1      | 0210 |
| 4003/002                            | Resistors Fixed Wirewound Power-Type Chassis-Mounted 10W Semi-Precision, based on type RER65              | 1      | 0210 |
| 4003/004                            | Resistors Fixed Wirewound Power-Type Chassis-Mounted 5W Semi-Precision, based on type RER40               | 1      | 0210 |
| 4003/008                            | Resistors Fixed Wirewound Power-Type Chassis-Mounted 30W Semi-Precision, based on type RER75              | 1      | 0210 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 50

| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 25</b><br><b>Resistors Network Thick Film</b> | Status |      |
|-------------------------------------|---|--------|------|
|                                     |   | Issue  | Date |
| 4005                                | Generic Specification for Resistors Network Thick Film  | 1      | 0210 |
| 4005/002                            | Resistor Networks Thick Film, based on type ENG2096   | 1      | 0210 |
| 4005/003                            | Resistor Networks Thick Film, based on S.I.L Packages   | 1      | 0210 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 51

---

| ESCC<br>Document or<br>Spec. Number | Specification Title   | Status |      |
|-------------------------------------|---|--------|------|
|                                     |   | Issue  | Date |
|                                     | <b>Class of Publication: 57</b><br><b>Thermistors</b>   |        |      |
| 4006                                | Generic Specification for Thermistors (Resistors Thermally Sensitive)   | 1      | 0210 |
| 4006/001                            | Thermistors (Resistors Thermally Sensitive) Range 2000 to 15000 Ohms at +25 degree C with a Temperature Range of -40 to +160 degree C | 1      | 0210 |
| 4006/002                            | Thermistors (Resistors Thermally Sensitive), based on type 34TD25A  | 2      | 0302 |
| 4006/012                            | Thermistors(thermally sensitive resistors) NTC Chip Style, based on series 196-xxxxAG-001   | 1      | 0210 |
| 4006/013                            | Thermistors (Thermally Sensitive Resistors) Range 1000 to 10000 Ohms at +25C with a Temperature Range of -55 to +150 C                | 4      | 0811 |
| 4006/014                            | Thermistors (thermally Sensitive Resistors) Range 2000 to 100000 Ohms at +25C with a Temperature Range of -60 to +160 C               | 6      | 0804 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 52

| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 64<br/>Heaters</b>   | Status |      |
|-------------------------------------|--|--------|------|
|                                     |  | Issue  | Date |
| 2054009                             | External Visual Inspection of Flexible Heaters   | 1      | 0210 |
| 4009                                | Generic Specification for Resistors Heaters Flexible   | 3      | 0609 |
| 4009/002                            | Resistors Heaters Flexible Single and Double Layer, Follow-up Specification for ESA/SCC Detail<br>Specification No. 4009/001 | 4      | 0609 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 53

---

| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 98</b><br><b>Fuses Thin Film</b> | Status |      |
|-------------------------------------|--|--------|------|
|                                     |  | Issue  | Date |
| 4008                                | Generic Specification for Fuses  | 1      | 0806 |
| 4008/001                            | Fuses, 0.14 to 3.5 Amps, Based on Type MGA-S   | 1      | 0806 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 54

---

| ESCC<br>Document or<br>Spec. Number | Specification Title   | Status |      |
|-------------------------------------|---|--------|------|
|                                     |   | Issue  | Date |
|                                     | <b>Class of Publication: 26</b><br><b>Discrete Semiconductors Transistors and Diodes</b>                              |        |      |
| 2025000                             | Ckecklist for Semiconductors Manufacturer and Line Survey   | 1      | 0210 |
| 2045000                             | Internal Visual Inspection of Discrete Non-Microwave Semiconductors   | 1      | 0210 |
| 2055000                             | External Visual Inspection of Discrete Non-Microwave Semiconductor Devices  | 1      | 0210 |
| 2095000                             | Radiographic Inspection of Discrete Non-Microwave Semiconductors  | 1      | 0210 |
| 2135000                             | Terms Definitions Abbreviations Symbols ans Units for Discrete Non-Microwave Semiconductor Devices                    | 1      | 0210 |
| 2145000                             | Scanning Electron Miscroscope (SEM) Inspection of Semiconductor Dice for Discrete Non-Microwave Semiconductor Devices | 2      | 0304 |
| 2265000                             | Evaluation Test Programme for Discrete Non-Microwave Semiconductors   | 1      | 0210 |
| 5000                                | Generic Specification for Discrete Semiconductor Components   | 3      | 0602 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 55

| ESCC<br>Document or<br>Spec. Number | Specification Title  | Status |      |
|-------------------------------------|--|--------|------|
|                                     |  | Issue  | Date |
|                                     | <b>Class of Publication: 61</b><br><b>Power Dividers-Microwave &amp; Semiconductor Component</b>                 |        |      |
| 2045010                             | Internal Visual Inspection of Microwave Devices  | 1      | 0210 |
| 2145010                             | Scanning Electron Microscope (SEM) Inspection of Semiconductor Dice for Discrete Microwave Semiconductor Devices | 2      | 0304 |
| 2265010                             | Evaluation Test Programme for Discrete Microwave Semiconductors  | 1      | 0210 |
| 5010                                | Generic Specification for Discrete Microwave Semiconductor Components  | 1      | 0210 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 56



| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 27</b><br><b>Transistors Low Power NPN</b> | Status |      |
|-------------------------------------|--|--------|------|
|                                     |  | Issue  | Date |
| 5201/001                            | Transistors Low Power NPN, based on type 2N2484  | 4      | 0812 |
| 5201/002                            | Transistors Low Power NPN, based on type 2N2222A   | 3      | 0812 |
| 5201/003                            | Transistors Low Power NPN, based on type 2N2219A   | 2      | 0704 |
| 5201/004                            | Transistors Low Power NPN, based on type 2N3700  | 3      | 0812 |
| 5201/006                            | Transistors Low Power NPN, based on type 2N2369A   | 3      | 0812 |
| 5201/010                            | Transistors Low Power NPN, based on type 2N3866  | 1      | 0210 |
| 5201/011                            | Transistors Low Power RF NPN, based on type 2N3019   | 2      | 0802 |
| 5201/013                            | Transistors Low Power NPN, based on types 2N3498 thru 2N3501                                   | 1      | 0210 |
| 5201/014                            | Transistors Low Power NPN, based on type 2N2857  | 2      | 0805 |
| 5201/015                            | Transistors Low Power NPN, based on type BSX39   | 1      | 0210 |
| 5201/019                            | Transistors High Voltage NPN, based on type 2N5551   | 4      | 0812 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 57

| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 28</b><br><b>Transistors Low Power PNP</b> | Status |      |
|-------------------------------------|--|--------|------|
|                                     |  | Issue  | Date |
| 5202/001                            | Transistors Low Power PNP, based on type 2N2907A   | 4      | 0812 |
| 5202/002                            | Transistors Low Power PNP, based on type 2N2905A   | 2      | 0704 |
| 5202/004                            | Transistors Low Power PNP, based on types 2N2894 and 2N2894A                                   | 1      | 0210 |
| 5202/008                            | Transistors Low Power PNP, based on type 2N4033  | 3      | 0812 |
| 5202/014                            | Transistors Low Power PNP, based on type 2N5401  | 3      | 0812 |
| 5202/015                            | Transistors Low Power PNP, based on type 2N3962  | 1      | 0210 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 58

---

| ESCC<br>Document or<br>Spec. Number | Specification Title  | Status |      |
|-------------------------------------|--|--------|------|
|                                     |  | Issue  | Date |
|                                     | <b>Class of Publication: 29</b><br><b>Transistors High Power NPN</b> |        |      |
| 5203/004                            | Transistors High Power NPN, based on type 2N5672                     | 2      | 0802 |
| 5203/010                            | Transistors High Power NPN, based on type 2N5154                     | 3      | 0704 |
| 5203/011                            | Transistors High Power NPN, based on types 2N3439 and 2N3440         | 2      | 0803 |
| 5203/013                            | Transistors High Power NPN, based on type 2N5004                     | 1      | 0210 |
| 5203/014                            | Transistors High Power NPN Isolated Collector, based on type 2N3749  | 1      | 0210 |
| 5203/016                            | Transistors High Power NPN, based on type BUX77                      | 2      | 0802 |
| 5203/021                            | Transistors High Power NPN, based on type 2N6032                     | 1      | 0210 |
| 5203/022                            | Transistors NPN Power Switching, based on type 2N5074                | 1      | 0210 |
| 5203/025                            | Transistors Power NPN, based on type 2N2880                          | 2      | 0805 |
| 5203/026                            | Transistors High Power NPN, based on type 2N6033                     | 1      | 0210 |
| 5203/027                            | Transistors High Power NPN, based on type 2N3767                     | 1      | 0210 |
| 5203/029                            | Transistors High Power NPN, based on type 2N6275                     | 1      | 0210 |
| 5203/030                            | Transistors High Power NPN, based on type BUR14                      | 1      | 0210 |
| 5203/031                            | Transistors High Power NPN, based on type 2N2814                     | 1      | 0210 |
| 5203/032                            | Transistors High Power NPN, based on type 2N5539                     | 1      | 0210 |
| 5203/033                            | Transistors High Power NPN, based on type 2N3999                     | 1      | 0210 |
| 5203/035                            | Transistors Switching Power NPN, based on type 2N5542                | 1      | 0210 |
| 5203/036                            | Transistors High Power NPN, based on type SDT79823                   | 1      | 0210 |
| 5203/037                            | Transistors High Power NPN, based on type 2N5660 through 2N5663      | 1      | 0210 |
| 5203/038                            | Transistors High Power NPN, based on types 2N5664 through 2N5667     | 2      | 0804 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 59

| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 30</b><br><b>Transistors High Power PNP</b> | Status |      |
|-------------------------------------|---|--------|------|
|                                     |   | Issue  | Date |
| 5204/002                            | Transistors High Power PNP, based on type 2N5153  | 3      | 0704 |
| 5204/005                            | Transistors High Power PNP, based on type 2N5005  | 1      | 0210 |
| 5204/006                            | Transistors High Power PNP, based on type BUX78   | 2      | 0802 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 60

---

| ESCC<br>Document or<br>Spec. Number | Specification Title   | Status |      |
|-------------------------------------|---|--------|------|
|                                     |   | Issue  | Date |
|                                     | <b>Class of Publication: 31</b><br><b>Transistors FET N Channel</b>                           |        |      |
| 5205/003                            | Transistors Field-Effect N-Channel, based on types 2N4391/2N4392 and 2N4393                   | 2      | 0805 |
| 5205/004                            | Transistors Field-Effect N-Channel, based on types 2N4416 and 2N4416A                         | 2      | 0508 |
| 5205/007                            | Transistors Field-Effect N-Channel, based on types 2N4091/2N4092 and 2N4093                   | 1      | 0210 |
| 5205/013                            | Transistors Power Field-Effect N-Channel, based on types 2N6764/2N6766 and 2N6768             | 1      | 0210 |
| 5205/014                            | Transistors MOS FET N-Channel Power, based on type 2N6782                                     | 1      | 0210 |
| 5205/019                            | Transistors MOSFET N-Channel Power, based on types 2N6796/6798/6800/6802                      | 1      | 0210 |
| 5205/020                            | Transistors MOSFET Power N-Channel, based on types IRFY044, 120, 130, 140, 240, 340, 430, 440 | 1      | 0210 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 61

| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 32</b><br><b>Transistors FET P Channel</b> | Status |      |
|-------------------------------------|--|--------|------|
|                                     |  | Issue  | Date |
| 5206/003                            | Transistors MOSFET P-Channel Power, based on types 2N6849 and 2N6851                           | 2      | 0804 |
| 5206/004                            | Transistors MOSFET P-Channel Power, based on types 2N6804 and 2N6806                           | 1      | 0210 |
| 5206/005                            | Transistors MOSFET Power P-Channel, based on types IRFY9120, 9130, 9140, 9240                  | 1      | 0210 |
| 5206/006                            | Transistors MOSFET P-Channel Power, based on type IRF9140                                      | 1      | 0210 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 62

---

| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 33</b><br><b>Multiple Transistors</b> | Status |      |
|-------------------------------------|---|--------|------|
|                                     |   | Issue  | Date |
| 5207/002                            | Matched Dual Transistors NPN, based on types 2N2919/2N2920 and 2N2920A                    | 2      | 0810 |
| 5207/003                            | Matched Dual Transistors NPN, based on type 2N3350  | 2      | 0802 |
| 5207/005                            | Transistors Matched Dual PNP, based on types 2N3810 and 2N3811                            | 2      | 0804 |
| 5207/006                            | Transistors Quadruple PNP Silicon Transistor Array, based on type MQ3467                  | 1      | 0210 |
| 5207/008                            | Transistors Matched Dual NPN, based on types MD2369A and MD2369AF                         | 1      | 0210 |
| 5207/012                            | Transistors Dual NPN, based on type MD2219AF  | 1      | 0210 |
| 5207/013                            | Transistors Dual PNP, based on types MD2905AF and MD2905A                                 | 1      | 0210 |
| 5207/019                            | Transistors Quadruple PNP Silicon Array, based on type S501T                              | 1      | 0210 |
| 5207/020                            | Transistors Quadruple NPN Silicon Array, based on type S502T                              | 1      | 0210 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 63

| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 34</b><br><b>Transistors Switching</b> | Status |      |
|-------------------------------------|--|--------|------|
|                                     |  | Issue  | Date |
| 5208/003                            | Transistors Switching PNP, based on types 2N3636 and 2N3637                                | 2      | 0804 |
| 5208/005                            | Transistors NPN Power Transistor, based on type 2N5926                                     | 1      | 0210 |
| 5208/006                            | Transistors Power NPN, based on type 2N3599  | 1      | 0210 |
| 5208/007                            | Transistors Power NPN, based on type 2N6307  | 1      | 0210 |
| 5208/008                            | Transistors Power Switching NPN, based on type 2N4150                                      | 1      | 0210 |
| 5208/009                            | Transistors Silicon Switching PNP, based on type 2N3467                                    | 2      | 0810 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 64

---



| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 50</b><br><b>Opto Electric Devices: Photocouplers</b> | Status |      |
|-------------------------------------|---|--------|------|
|                                     |   | Issue  | Date |
| 5401/001                            | Opto-Isolators, based on types 3C91 and 3C92  | 1      | 0210 |
| 5401/003                            | Opto Couplers Inverted Dual Channel, based on type 6N134  | 1      | 0210 |
| 5401/005                            | Opto Couplers, based on type CNY18  | 1      | 0210 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 65

---

| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 55</b><br><b>Opto Electronic Devices: Emitters</b> | Status |      |
|-------------------------------------|--|--------|------|
|                                     |  | Issue  | Date |
| 5402/005                            | Light Emitting Diode Infrared GaAlAs Hermetic, based on type OP224                                     | 1      | 0210 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 66

---

| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 97</b><br><b>Opto Electronic Devices: Receivers</b> | Status |      |
|-------------------------------------|---|--------|------|
|                                     |   | Issue  | Date |
| 5403/001                            | Photodiode, based on Type AE9493  | 1      | 0711 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 67

---

| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 36</b><br><b>Diodes Switching</b> | Status |      |
|-------------------------------------|---|--------|------|
|                                     |   | Issue  | Date |
| 5101/005                            | Fast Recovery Avalanche Rectifiers 400mW, based on types BYX57500 and BYX57600        | 1      | 0210 |
| 5101/006                            | Diodes Switching, based on type 1N3595  | 1      | 0210 |
| 5101/007                            | Diodes Switching, based on type 1N3600  | 1      | 0210 |
| 5101/011                            | Diodes Switching, based on types 1N5812 through 1N5816                                | 1      | 0210 |
| 5101/012                            | Diodes Switching Rectifier Low Power High Voltage, based on type F60A                 | 1      | 0210 |
| 5101/013                            | Diodes Switching, based on types 1N5807 through 1N5811                                | 1      | 0210 |
| 5101/014                            | Diodes Switching, based on types 1N5802, 1N5804 and 1N5806                            | 1      | 0210 |
| 5101/015                            | Diodes Silicon Fast Recovery Rectifier, based on type BYW56                           | 1      | 0210 |
| 5101/016                            | Diodes Switching, based on type 1N4153  | 1      | 0210 |
| 5101/018                            | Diodes Switching Fast Recovery, based on type UTR6420                                 | 1      | 0210 |
| 5101/023                            | Diodes Fast Switching, based on type 1N4148-1   | 1      | 0210 |
| 5101/024                            | Diodes Switching, based on type 1N4150-1  | 1      | 0210 |
| 5101/025                            | Diodes Switching, based on type 1N4151-1  | 1      | 0210 |
| 5101/026                            | Diodes Silicon Switching, based on types 1N6638, 1N6642 and 1N6643                    | 1      | 0210 |
| 5101/027                            | Diodes Silicon Switching, based on types 1N6639, 1N6640 and 1N6641                    | 1      | 0210 |
| 5101/028                            | Diodes Switching, based on types 1N3595-1 and 1N3595US                                | 1      | 0210 |



REP001

## List of Published ESCC Documents and Specifications

Issue: 6

Page: 68

| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 37</b><br><b>Diodes Voltage Reference</b>          | Status |      |
|-------------------------------------|--|--------|------|
|                                     |  | Issue  | Date |
| 5102/002                            | Diodes Voltage Regulators, based on series BZX85C  | 2      | 0704 |
| 5102/004                            | Diodes Voltage Reference 6.4V in DO-35 Case, based on types 1N4565A thru 1N4584A                       | 1      | 0210 |
| 5102/007                            | Diodes Low Noise Voltage Regulator, based on types 1N4099-1 thru 1N4135-1                              | 1      | 0210 |
| 5102/008                            | Diodes Voltage Reference 6.2V in DO35 Case, based on types 1N821A thru 1N829A                          | 1      | 0210 |
| 5102/010                            | Diodes Voltage Regulator, based on BZX55 series  | 1      | 0210 |
| 5102/013                            | Diodes Voltage Reference, based on types 1N4954 thru 1N4995  | 1      | 0210 |
| 5102/014                            | Diodes Voltage Reference, based on type 1N4372A  | 1      | 0210 |
| 5102/015                            | Diodes Voltage Regulator, based on types 1N3821A through 1N3828A and 1N3015B through 1N3051B           | 1      | 0210 |
| 5102/019                            | Diodes Low Noise Voltage Regulator, based on types 1N4614 through 1N4627 and 1N4614-1 through 1N4627-1 | 1      | 0210 |
| 5102/020                            | Diodes Voltage Regulator Silicon, based on types 1N6485 to 1N6491 and 1N4460 to 1N4465                 | 1      | 0210 |
| 5102/021                            | Diodes Low Noise Voltage Regulator, based on types 1N6309 to 1N6355                                    | 1      | 0210 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 69

| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 38</b><br><b>Diodes Rectifier</b>          | Status |      |
|-------------------------------------|--|--------|------|
|                                     |  | Issue  | Date |
| 5103/001                            | Diodes Silicon Rectifier 400mW, based on types 1N645-649                                       | 1      | 0210 |
| 5103/003                            | Diodes Silicon Power Rectifier, based on types 1N4383-4386                                     | 1      | 0210 |
| 5103/004                            | Diodes Switching, based on type UTX4120  | 1      | 0210 |
| 5103/005                            | Diodes Switching, based on type UTX225   | 1      | 0210 |
| 5103/007                            | Diodes Silicon Power Rectifier Fast Recovery, based on types 1N5415 through 5420               | 1      | 0210 |
| 5103/008                            | Diodes Rectifier, based on types 1N4942/4944/4946/4947/4948                                    | 1      | 0210 |
| 5103/010                            | Diodes Silicon Power Rectifier Fast Recovery, based on types 1N3890/3891/3893                  | 1      | 0210 |
| 5103/013                            | Diodes Silicon Fast Recovery Rectifier Low Forward Voltage Drop, based on series BYW77         | 1      | 0210 |
| 5103/017                            | Diodes Rectifier Fast Recovery, based on types UES801/802/803 and UES801R/802R/803R            | 1      | 0210 |
| 5103/018                            | Diodes Silicon Fast Recovery (Low Forward Voltage Drop), based on series BYW78                 | 1      | 0210 |
| 5103/021                            | Diodes Silicon Power Rectifier Fast Recovery, based on types 1N5615/17/19/21/23                | 1      | 0210 |
| 5103/024                            | Diodes Silicon Power Rectifier Fast Recovery, based on types 1N5614/16/18/20/22                | 1      | 0210 |
| 5103/025                            | Diodes Silicon Power Rectifier Fast Recovery, based on types BYV27/50, BYV27/100 and BYV27/150 | 1      | 0210 |
| 5103/026                            | Diodes Silicon Power Rectifier Fast Recovery, based on types BYV61, 62 and 63                  | 1      | 0210 |
| 5103/027                            | Diodes Silicon Power Rectifier Fast Recovery, based on types 1N5550/51/52/53/54                | 1      | 0210 |
| 5103/028                            | Diode Rectifier Schottky, based on types 1N5817 to 1N5819                                      | 1      | 0210 |
| 5103/029                            | Diodes, Silicon, Power Rectifier, High Efficiency, Fast Recovery, based on type BYW81-200      | 4      | 0807 |
| 5103/030                            | Diodes, Silicon, Power Rectifier, High Efficiency, Fast Recovery, based on type BYV 52-200     | 2      | 0704 |
| 5103/031                            | Diodes, Power Rectifier, High Efficiency Fast Recovery, based on Type BYV 54-200               | 4      | 0807 |



REP001

## List of Published ESCC Documents and Specifications

Issue: 6

Page: 70

| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 53</b><br><b>Diodes Shottky</b> | Status |      |
|-------------------------------------|---|--------|------|
|                                     |   | Issue  | Date |
| 5106/002                            | Diodes Switching Schottky Barrier, based on type 1N5712                             | 1      | 0210 |
| 5106/010                            | Diodes Switching, based on type 1N5711  | 1      | 0210 |
| 5106/014                            | Diode Microwave Schottky Mixer Silicon, based on types BAT14 and BAT15              | 1      | 0210 |
| 5106/015                            | Diodes Power Schottky Barrier, based on type 1N6391                                 | 1      | 0210 |
| 5106/016                            | Diodes, Power Rectifier, Schottky Barrier, based on type STPS20100                  | 3      | 0706 |
| 5106/017                            | Diode, Silicon, Power Rectifier, Schottky Barrier, based on Type STPS1045           | 2      | 0704 |
| 5106/018                            | Diode, Silicon, Power Rectifier, Schottky Barrier, based on type STPS6045           | 2      | 0802 |
| 5106/019                            | Diodes Power Rectifier Schottky Barrier based on Type STPS40100                     | 2      | 0704 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 71

| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 54</b><br><b>Diodes Miscellaneous</b>                      | Status |      |
|-------------------------------------|--|--------|------|
|                                     |  | Issue  | Date |
| 5107/001                            | Diodes Reference/Transient Suppressor, based on types 1N5555 through 1N555, 1N5629A through 1N5665A and 1N5907 | 1      | 0210 |
| 5107/016                            | Diodes Voltage Variable Capacitor, based on types 1N5139A through 1N5148A                                      | 1      | 0210 |
| 5107/022                            | Diodes Silicon Field Effect Current Regulator, based on types 1N5283 through 1N5314                            | 1      | 0210 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 72

---



| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 72</b><br><b>Microwave Diodes: Oscillators</b>   | Status |      |
|-------------------------------------|--|--------|------|
|                                     |  | Issue  | Date |
| 5511/001                            | Diodes Microwave Gallium Arsenide Gunn, based on types ML4921 to 23, ML4931to33, ML4941to43, ML4951to53, ML4961to63, ML4971to73 and ML4981to83 | 1      | 0210 |
| 5511/002                            | Diodes Microwave Gallium Arsenide Gunn, based on types ML4901 to ML4906 & ML4910 to ML4911   | 1      | 0210 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 73

---

| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 73</b><br><b>Microwave diodes: Small Signal</b>                            | Status |      |
|-------------------------------------|--|--------|------|
|                                     |  | Issue  | Date |
| 5512/001                            | Diodes Microwave Silicon Multiplier Varactor, based on types ML4402 ML4404 thru ML4409 and ML40721                             | 1      | 0210 |
| 5512/002                            | Diodes Microwave Gallium Arsenide Tuning Varactor, based on types ML4512 thru ML4518   | 1      | 0210 |
| 5512/003                            | Diodes Microwave Silicon Tuning Varactor, based on type ML4310 thru ML4319   | 1      | 0210 |
| 5512/004                            | Diodes Microwave Silicon Tuning Varactor, based on types ML4331 to ML4335  | 1      | 0210 |
| 5512/005                            | Diodes Microwave Silicon Tuning Varactor, based on types ML4336 to ML4343  | 1      | 0210 |
| 5512/006                            | Diodes Microwave Silicon Tuning Varactor, based on types ML4351 to ML4354  | 1      | 0210 |
| 5512/007                            | Diodes Microwave Silicon Tuning Varactor, based on types ML4355 to ML4365  | 1      | 0210 |
| 5512/008                            | Diodes Microwave Gallium Arsenide Tuning Varactor, based on types ML4532 to ML4538   | 1      | 0210 |
| 5512/009                            | Diodes Microwave Gallium Arsenide Tuning Varactor, based on types ML4552 to ML4558   | 1      | 0210 |
| 5512/010                            | Diodes Microwave Gallium Arsenide Multiplier Varactor, based on types ML48701E thru ML48705E                                   | 1      | 0210 |
| 5512/011                            | Diodes Microwave Gallium Arsenide Multiplier Varactor, based on types ML48706C thru ML48708C and ML48709B to ML48710B          | 1      | 0210 |
| 5512/012                            | Diodes Microwave Gallium Arsenide Hyperabrupt Tuning Varactor, based on types ML4577 to ML4580                                 | 1      | 0210 |
| 5512/013                            | Diodes Microwave Gallium Arsenide Hyperabrupt Tuning Varactor, based on types ML4572 to ML4576                                 | 1      | 0210 |
| 5512/014                            | Diodes Microwave Gallium Arsenide High Capacitance Tuning Varactor, based on types ML4519 ML4520 ML4539 ML4540 ML4559 and 4560 | 1      | 0210 |
| 5512/016                            | Diodes Microwave Silicon Multiplier Varactor, based on types DH252,256, 267,292, 294   | 2      | 0305 |
| 5512/017                            | Diodes Microwave Silicon Schottky, based on types DH301,302,303,312,313,314,315,322,323,324,325                                | 1      | 0210 |
| 5512/020                            | Diodes Microwave Silicon Schottky General Purpose, based on types BAS40 and BAS70  | 2      | 0302 |
| 5512/022                            | Microwave Hyper-Abrupt Junction Tuning Varacter Silicon Diode, based on Types DH733 to DH738                                   | 1      | 0210 |
| 5512/023                            | Diodes, Microwave, Silicon, Hyper-Abrupt Junction Tuning Varactor, based on Types DH76XXX                                      | 1      | 0304 |



REP001

## List of Published ESCC Documents and Specifications

Issue: 6

Page: 74

| ESCC<br>Document or<br>Spec. Number | Specification Title   | Status |      |
|-------------------------------------|---|--------|------|
|                                     |   | Issue  | Date |
|                                     | <b>Class of Publication: 74</b><br><b>Microwave Diodes: Large Signal</b>  |        |      |
| 5513/001                            | Diodes Microwave Silicon PIN Limiter, based on types ML4202 ML4204 AND ML4206   | 1      | 0210 |
| 5513/002                            | Diodes Microwave Silicon PIN Fast Switching, based on types ML4617P thru ML4619P  | 1      | 0210 |
| 5513/003                            | Diodes Microwave Silicon PIN Plated Heatsink, based on types ML4630 and ML4631  | 1      | 0210 |
| 5513/004                            | Diodes Microwave Silicon Pin Fast Switching, based on types ML4603-54 to ML4608-54  | 1      | 0210 |
| 5513/005                            | Diodes Microwave Silicon Pin Broadband, based on types ML4660,4661,4663,4665,4667,4669,4671 and thru 4674                             | 1      | 0210 |
| 5513/006                            | Diodes Microwave Silicon Schottky Medium Barrier Mixer, based on types ML40019 to ML40021 ML40150 ML40151 ML40152 ML40160 and ML40161 | 1      | 0210 |
| 5513/007                            | Diodes Microwave Silicon Pin Limiter, based on types ML4207 to ML4209   | 1      | 0210 |
| 5513/008                            | Diodes Microwave Silicon Pin Plated Heatsink, based on types ML4609 ML4613 AND ML4616   | 1      | 0210 |
| 5513/009                            | Diodes Microwave Silicon Pin Fast Switching, based on types ML4610 ML4617 ML4618 & ML4619   | 1      | 0210 |
| 5513/010                            | Diodes Microwave Silicon PIN Fast Switching, based on types ML4611 ML4612 ML4614 & ML4615   | 1      | 0210 |
| 5513/011                            | Diodes Microwave Silicon Pin Plated Heatsink, based on types ML4620 ML4621 ML4625 ML4626  | 1      | 0210 |
| 5513/012                            | Diodes Microwave Silicon Pin High Power, based on types ML4640 to ML4647  | 1      | 0210 |
| 5513/013                            | Diodes Microwave Silicon Pin High Power, based on types ML4648 to ML4655  | 1      | 0210 |
| 5513/014                            | Diodes Microwave Silicon Pin Fast Switching, based on types ML4622 to ML4624  | 1      | 0210 |
| 5513/015                            | Diodes Microwave Silicon Pin Fast Switching, based on types ML4627 to ML4629  | 1      | 0210 |
| 5513/016                            | Diodes Microwave Silicon Pin Broadband, based on types ML4661P ML4662 ML4663P ML4664 ML4665P ML4666 ML4667P ML4668 ML4669P and ML4670 | 1      | 0210 |
| 5513/017                            | Diodes Microwave Silicon PIN, based on BXY42-MESA   | 1      | 0210 |
| 5513/018                            | Diodes Microwave Silicon Pin Fast Switching, based on types ML4622P to ML4624P  | 1      | 0210 |
| 5513/019                            | Diodes Microwave Silicon Pin Fast Switching, based on types ML4627P to ML4629P  | 1      | 0210 |
| 5513/020                            | Diodes Microwave Silicon Pin Fast Switching, based on types ML4611P 4612P 4614P and 4615P   | 1      | 0210 |
| 5513/021                            | Diodes Microwave Gallium Arsenide Schottky Mixer, based on types ML40461 to ML40464   | 1      | 0210 |
| 5513/028                            | Diodes Microwave Silicon Pin Switching, based on type 1N5719  | 1      | 0210 |
| 5513/030                            | Diodes Microwave Silicon Pin Planar, based on types BXY43C and BXY44K   | 1      | 0210 |
| 5513/031                            | Diodes Microwave Silicon, PIN, Fast Switching, based on types DH50151 to DH50157  | 1      | 0210 |
| 5513/032                            | Diodes, Microwave Silicon PIN Ultra-Fast Switching, based on types DH50033 to DH50037   | 1      | 0210 |
| 5513/033                            | Diodes Microwave Silicon PIN Fast Switching, based on types DH50201 to DH50209  | 1      | 0210 |



REP001

## List of Published ESCC Documents and Specifications

Issue: 6

Page: 75

| ESCC<br>Document or<br>Spec. Number | Specification Title  | Status |      |
|-------------------------------------|--|--------|------|
|                                     |  | Issue  | Date |
|                                     | <b>Class of Publication: 74</b><br><b>Microwave Diodes: Large Signal</b>             |        |      |
| 5513/034                            | Diodes Microwave Silicon PIN Fast Switching, based on types DH50251 to DH50256       | 1      | 0210 |
| 5513/035                            | Diodes Microwave Silicon PIN Fast Switching, based on types DH50401 to DH50405       | 1      | 0210 |
| 5513/036                            | Diodes Microwave Silicon PIN Ultra-Fast Switching, based on types DH50052 to DH50057 | 1      | 0210 |
| 5513/037                            | Diodes Microwave Silicon PIN Ultra-Fast Switching, based on types DH50071 to DH50077 | 1      | 0210 |
| 5513/038                            | Diodes Microwave Silicon PIN Ultra-Fast Switching, based on types DH50101 to DH50107 | 1      | 0210 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 76

| ESCC<br>Document or<br>Spec. Number | Specification Title   | Status |      |
|-------------------------------------|---|--------|------|
|                                     |   | Issue  | Date |
|                                     | <b>Class of Publication: 86</b><br><b>Silicon Small Signal Trans. 5611/...</b>                          |        |      |
| 5611/006                            | Transistors Microwave Small Signal Silicon Bipolar, based on types BFY180 thru BFY183 BFY193 and BFY280 | 3      | 0307 |
| 5611/008                            | Transistors Microwave Small Signal Silicon Bipolar, based on types BFY405 BFY420 and BFY450             | 1      | 0210 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 77

---

| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 77</b><br><b>Microwave Tran. III-V Small Signal Transistors</b> | Status |      |
|-------------------------------------|---|--------|------|
|                                     |   | Issue  | Date |
| 5613/002                            | High Electron Mobility Transistors Microwave Low Noise Small Signal Gallium Arsenide, based on type CFY66           | 1      | 0210 |
| 5613/004                            | High Electron Mobility Transistors Microwave Low Noise Small Signal Gallium Arsenide, based on type CFY67           | 1      | 0210 |
| 5613/008                            | Transistors, Microwave, Field Effect, Low Noise, Gallium Arsenide, based on Types CFY25 and CFY27                   | 2      | 0307 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 78

---

| ESCC<br>Document or<br>Spec. Number | Specification Title   | Status |      |
|-------------------------------------|---|--------|------|
|                                     |   | Issue  | Date |
|                                     | <b>Class of Publication: 87</b><br><b>III-V large signal and oscillators(5614/..)</b>                         |        |      |
| 5614/006                            | Transistors Microwave Metal Semiconductor Field Effect Power Gallium Arsenide, based on types CLY29 and CLY32 | 3      | 0307 |
| 5614/007                            | Transistors, Microwave, Field Effect, Power, Gallium Arsenide, based on Types CLX27 and CLX30                 | 2      | 0307 |
| 5614/008                            | Transistors, Microwave, Field Effect, Power, Gallium Arsenide, Based on CLY35 and CLY38                       | 3      | 0307 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 79

| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 90</b><br><b>Capacitor Microwave Silicon Dice (5711/...)</b> | Status |      |
|-------------------------------------|--|--------|------|
|                                     |  | Issue  | Date |
| 5711/002                            | Capacitors, Microwave, Silicon, Naked die, MOS, based on Type 101M, 201M, 400M and 401M                          | 1      | 0811 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 80

---



| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 41</b><br><b>IC's Generic and Sectional Basic Specs (9000)</b> | Status |      |
|-------------------------------------|--|--------|------|
|                                     |  | Issue  | Date |
| 2029000                             | Checklist for Monolithic Microcircuit Manufacturer and Line Survey   | 1      | 0210 |
| 2049000                             | Internal Visual Inspection of Silicon-Based Non-Microwave Integrated Circuits                                      | 2      | 0311 |
| 2059000                             | External Visual Inspection of Integrated Circuits  | 2      | 0304 |
| 2099000                             | Radiographic Inspection of Integrated Circuits   | 1      | 0210 |
| 2139000                             | Terms Definitions Abbreviations Symbols and Units for Integrated Circuits  | 1      | 0210 |
| 2269000                             | Evaluation Test Programme for Monolithic Integrated Circuits   | 1      | 0210 |
| 2439000                             | Requirements for Capability Approval of Monolithic Microcircuit Technologies                                       | 1      | 0210 |
| 2549000                             | Requirement for the Technology Flow Qualification of Monolithic Microcircuits                                      | 1      | 0304 |
| 9000                                | Generic Specification for Integrated Circuits Monolithic   | 4      | 0508 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 81

| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 43</b><br><b>IC's Sil Mon CMOS: 4000 Series</b> | Status |      |
|-------------------------------------|---|--------|------|
|                                     |   | Issue  | Date |
| 9201/040                            | CMOS Dual 3-Input NOR Gate plus one Inverter, based on type 4000B                                   | 2      | 0408 |
| 9201/041                            | CMOS Quad 2-Input NOR Gates, based on type 4001B  | 2      | 0405 |
| 9201/042                            | CMOS Dual 4-Input NOR Gates, based on type 4002B  | 2      | 0405 |
| 9201/043                            | CMOS Quad 2-Input NAND Gate, based on type 4011B  | 2      | 0405 |
| 9201/044                            | CMOS Dual 4-Input NAND Gate, based on type 4012B  | 2      | 0405 |
| 9201/045                            | CMOS Triple 3-Input NAND Gates, based on type 4023B   | 2      | 0405 |
| 9201/046                            | CMOS Triple 3-Input NOR Gate, based on type 4025B   | 2      | 0405 |
| 9201/047                            | CMOS Quad 2-Input Exclusive OR Gates, based on type 4030B   | 2      | 0405 |
| 9201/048                            | CMOS Quad Exclusive OR Gate, based on type 4070B  | 2      | 0405 |
| 9201/052                            | CMOS Quad 2-Input AND Gate, based on type 4081B   | 2      | 0405 |
| 9201/054                            | CMOS Multifunction Expandable 8-Input Gate with 3-State Output, based on type 4048B                 | 2      | 0408 |
| 9201/055                            | CMOS Quad Exclusive NOR Gate, based on type 4077B   | 2      | 0405 |
| 9201/061                            | CMOS 8-Input NAND/AND Gate, based on type 4068B   | 2      | 0405 |
| 9201/062                            | CMOS 8-Input NOR/OR Gate, based on type 4078B   | 2      | 0405 |
| 9201/063                            | CMOS Quad 2-Input OR Gates, based on type 4071B   | 2      | 0405 |
| 9201/064                            | CMOS Triple 3-Input AND Gate, based on type 4073B   | 2      | 0405 |
| 9201/065                            | CMOS Triple 3-Input OR Gates, based on type 4075B   | 2      | 0405 |
| 9201/066                            | CMOS Dual 4-Input AND Gate, based on type 4082B   | 2      | 0405 |
| 9201/067                            | CMOS Dual 2-Wide 2-Input AND/OR Inverter Gate, based on type 4085B                                  | 2      | 0405 |
| 9201/068                            | CMOS Expandable 4-Wide 2-Input AND/OR Inverter Gate, based on type 4086B                            | 2      | 0405 |
| 9201/082                            | CMOS Dual 4-Input OR Gates, based on type 4072B   | 2      | 0405 |
| 9202/038                            | CMOS Dual Complementary Pair plus Inverter having unbuffered Outputs, based on type 4007UB          | 2      | 0503 |
| 9202/039                            | CMOS 4-Bit Full Adder, based on type 4008B  | 2      | 0405 |
| 9202/040                            | CMOS Quad True/Complement Buffer with Unbuffered Outputs, based on type 4041UB                      | 2      | 0405 |
| 9202/041                            | CMOS Quad Clocked 'D' Latch, based on type 4042B  | 2      | 0405 |
| 9202/042                            | CMOS Quad 3-State NOR R/S Latches, based on type 4043B  | 2      | 0409 |
| 9202/043                            | CMOS Quad 3-State NAND R/S Latch, based on type 4044B   | 2      | 0409 |
| 9202/044                            | CMOS Micropower Phase-Locked Loop, based on type 4046B  | 2      | 0503 |



REP001

## List of Published ESCC Documents and Specifications

Issue: 6

Page: 82

| ESCC<br>Document or<br>Spec. Number | Specification Title  | Status |      |
|-------------------------------------|--|--------|------|
|                                     |  | Issue  | Date |
|                                     | <b>Class of Publication: 43</b><br><b>IC's Sil Mon CMOS: 4000 Series</b>                 |        |      |
| 9202/045                            | CMOS Hex Buffer/Converter Inverting, based on type 4049UB                                | 3      | 0704 |
| 9202/046                            | CMOS Hex Buffer/Converter Non-Inverting, based on type 4050B                             | 2      | 0405 |
| 9202/047                            | CMOS Analogue Multiplexer/Demultiplexer, based on type 4051B                             | 3      | 0409 |
| 9202/048                            | CMOS Analogue Multiplexer/Demultiplexer, based on type 4052B                             | 2      | 0409 |
| 9202/049                            | CMOS Analogue Multiplexer/Demultiplexer (Triple 2-Channel), based on type 4053B          | 2      | 0409 |
| 9202/050                            | CMOS Quad Bilateral Switch, based on type 4016B  | 2      | 0409 |
| 9202/051                            | CMOS Quad AND/OR Select Gate, based on type 4019B  | 2      | 0405 |
| 9202/058                            | CMOS 8-Bit Addressable Latch, based on type 4099B  | 2      | 0406 |
| 9202/060                            | CMOS Binary Rate Multiplier, With Fully Buffered Outputs, based on type 4089B            | 2      | 0408 |
| 9202/063                            | CMOS Dual 4-Bit Latch with 3-State Outputs, based on type 4508B                          | 2      | 0408 |
| 9202/065                            | CMOS 8-Bit Priority Encoder, based on type 4532B   | 2      | 0405 |
| 9202/068                            | CMOS 4-Bit Arithmetic Logic Unit With Fully Buffered Outputs, based on type 40181B       | 2      | 0408 |
| 9202/069                            | CMOS Look-Ahead Carry Generator With Fully Buffered Outputs, based on type 40182B        | 2      | 0408 |
| 9203/022                            | CMOS Dual J-K Master Slave Flip-Flop, based on type 4027B                                | 2      | 0405 |
| 9203/023                            | CMOS Dual 'D'-Type Flip-flop, based on type 4013B  | 2      | 0405 |
| 9203/038                            | CMOS Hex 'D'-Type Flip-Flop, based on type 40174B  | 2      | 0405 |
| 9204/013                            | CMOS Dual BCD Up-Counter, based on type 4518B  | 2      | 0409 |
| 9204/020                            | CMOS Decade Counter/Divider, based on type 4017B   | 3      | 0606 |
| 9204/021                            | CMOS Presettable Divide-by-N Counter, based on type 4018B                                | 2      | 0503 |
| 9204/022                            | CMOS Ripple-Carry Binary Counter/Divider, based on type 4020B                            | 2      | 0405 |
| 9204/023                            | CMOS Octal Counter/Divider, based on type 4022B  | 2      | 0503 |
| 9204/024                            | CMOS Ripple Carry Binary Counter/Divider, based on type 4024B                            | 2      | 0409 |
| 9204/025                            | CMOS Presettable Up/Down Counter Binary OR BCD Decade, based on type 4029B               | 2      | 0507 |
| 9204/026                            | CMOS Ripple Carry Binary Counter/Divider, based on type 4040B                            | 2      | 0405 |
| 9204/028                            | CMOS Dual Binary Up Counter, based on type 4520B   | 2      | 0405 |
| 9204/036                            | CMOS Presettable 8-Bit Synchronous Down Counters, based on type 40103B                   | 2      | 0507 |
| 9204/041                            | CMOS Presettable Binary Up/Down Counter (Dual Clock with Reset), based on type 40193B    | 2      | 0409 |
| 9204/045                            | CMOS Presettable Binary Up/Down Counter With Fully Buffered Outputs, based on type 4516B | 2      | 0408 |
| 9204/046                            | CMOS Programmable 4-Bit Binary Counter with Synchronous Clear, based on type 40163B      | 2      | 0409 |



REP001

## List of Published ESCC Documents and Specifications

Issue: 6

Page: 83

| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 43</b><br><b>IC's Sil Mon CMOS: 4000 Series</b>                         | Status |      |
|-------------------------------------|---|--------|------|
|                                     |   | Issue  | Date |
| 9204/052                            | CMOS 14-Stage Ripple-Carry Binary Counter/Divider and Oscillator, based on type 4060B                                       | 3      | 0503 |
| 9204/054                            | CMOS Programmable 4-Bit Binary Counter with Asynchronous Clear, based on type 40161B  | 2      | 0503 |
| 9204/067                            | CMOS Programmable 4-Bit Synchronous Decade Counter with Synchronous Clear, based on type 40162B                             | 2      | 0507 |
| 9205/010                            | CMOS BCD-to-Decimal OR Binary-to-Octal Decoder, based on type 4028B   | 2      | 0409 |
| 9205/011                            | CMOS 4-Bit Latch/4-to-16 Line Decoder, based on type 4515B  | 2      | 0409 |
| 9206/003                            | CMOS Dual Monostable Multivibrator, based on type 4098B   | 2      | 0508 |
| 9207/003                            | CMOS Low Power Monostable/Astable Multivibrator, based on type 4047B  | 2      | 0508 |
| 9207/007                            | CMOS Dual Monostable Multivibrator with Reset, based on type 4538B  | 2      | 0508 |
| 9208/002                            | CMOS 9-Bit Parity Generator/Checker, based on type 40101B   | 2      | 0503 |
| 9209/001                            | CMOS 4-Bit Magnitude Comparator, based on type 4063B  | 2      | 0503 |
| 9301/009                            | CMOS 4x4 Multiplex Register with 3-State Outputs, based on type 40208B  | 2      | 0507 |
| 9306/013                            | CMOS 18 Stage Static Shift Register, based on type 4006B  | 2      | 0409 |
| 9306/014                            | CMOS 8-Stage Synchronous Static Shift Register, based on type 4014B   | 2      | 0508 |
| 9306/015                            | CMOS Dual 4-Stage Static Shift Register with Serial Input/Parallel Input, based on type 4015B                               | 2      | 0506 |
| 9306/016                            | CMOS 8-Stage Static Shift Register, based on type 4021B   | 2      | 0506 |
| 9306/017                            | CMOS 64-Stage Static Shift Register, based on type 4031B  | 2      | 0409 |
| 9306/018                            | CMOS 4-Bit Universal Shift Register, based on type 4035B  | 2      | 0506 |
| 9306/022                            | CMOS 4-Bit D-Type Register with 3-State Outputs, based on type 4076B  | 2      | 0405 |
| 9306/025                            | CMOS 8-Stage Static Bidirectional Parallel/Serial Input/Output Bus Register with 3-State Outputs, based on type 4034B       | 2      | 0508 |
| 9306/026                            | CMOS 8-Stage Shift and Store Bus Register with Synchronous Serial Outputs and 3-State Parallel Outputs, based on type 4094B | 3      | 0902 |
| 9306/032                            | CMOS 4-Bit Bidirectional Universal Shift Register, based on type 40194B   | 2      | 0205 |
| 9306/033                            | CMOS FIFO Register with 3-State Outputs, based on type 40105B   | 2      | 0503 |
| 9306/034                            | CMOS 4x4 Multiplex Register with 3-State Outputs, based on type 40108B  | 2      | 0506 |
| 9306/040                            | CMOS 4-Bit Bi-Directional Universal Shift Register with 3 State Outputs, based on type 40104B                               | 2      | 0508 |
| 9306/049                            | CMOS Dual 64-Stage Static Shift Register with 3-State Outputs, based on type 4517B  | 2      | 0507 |
| 9401/006                            | CMOS Strobed Hex Inverter/Buffer, based on type 4502B   | 2      | 0504 |
| 9401/010                            | CMOS Hex Inverter, based on type 4069UB   | 2      | 0504 |
| 9401/013                            | CMOS Dual 2-Input NAND Buffer/Driver, based on type 40107B  | 2      | 0409 |



REP001

## List of Published ESCC Documents and Specifications

Issue: 6

Page: 84

| ESCC<br>Document or<br>Spec. Number | Specification Title   | Status |      |
|-------------------------------------|---|--------|------|
|                                     |   | Issue  | Date |
|                                     | <b>Class of Publication: 43</b><br><b>IC's Sil Mon CMOS: 4000 Series</b>                        |        |      |
| 9401/030                            | CMOS Hex Non-Inverting Buffers with 3-State Outputs, based on type 4503B                        | 2      | 0409 |
| 9406/001                            | CMOS Ripple-Carry Decade Counter/Divider, based on type 4026B                                   | 2      | 0503 |
| 9407/003                            | CMOS Quad Low to High 3-State Voltage Level Shifter, based on type 40109B                       | 2      | 0503 |
| 9408/005                            | CMOS Quad Bilateral Switch, based on type 4066B   | 2      | 0409 |
| 9408/006                            | CMOS 8-Channel Multiplexer with 3-State Outputs, based on type 4512B                            | 2      | 0409 |
| 9408/009                            | CMOS Analogue Multiplexer/Demultiplexer, based on type 4067B                                    | 2      | 0409 |
| 9408/011                            | CMOS Dual 1-of-4 Decoder/Demultiplexer, based on type 4555B                                     | 3      | 0504 |
| 9408/012                            | CMOS 4-Bit Latch/4-to-16 Decoder, based on type 4514B   | 2      | 0409 |
| 9408/017                            | CMOS Quad 2-Line-to-1-Line Data Selector/Multiplexer with 3-State Outputs, based on type 40257B | 2      | 0409 |
| 9408/025                            | CMOS Dual 1-of-4 Decoder/Demultiplexers (Outputs Low on Select), based on type 4556B            | 2      | 0508 |
| 9409/002                            | CMOS Quad 2-Input NAND-Gate with Schmitt Trigger Inputs, based on type 4093B                    | 2      | 0504 |
| 9409/005                            | CMOS HEX Schmitt Triggers, based on type 40106B   | 2      | 0504 |



REP001

## List of Published ESCC Documents and Specifications

Issue: 6

Page: 85

| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 47</b><br><b>IC's Sil Mon: Others</b>  | Status |      |
|-------------------------------------|--|--------|------|
|                                     |  | Issue  | Date |
| 9301/047                            | IC Silicon Monolithic, CMOS Static 128k x 8 (131072 x 8 BIT) Asynchronous Random Access Memory with 3-State Outputs, based on Type M65508E | 2      | 0710 |
| 9301/048                            | IC Silicon Monolithic CMOS STATIC 16K x 9-Bit Parallel First in First Out Memory with Three State Outputs, based on Type 67206H, 672061H   | 1      | 0710 |
| 9301/049                            | IC Silicon Monolithic CMOS STATIC 4K x 9-Bit Parallel First in First Out Memory with Three State Outputs, based on Type 67204H             | 1      | 0710 |
| 9301/050                            | IC Silicon Monolithic CMOS 8K x 16 Dual Port Static Random Access Memory with Three State Outputs, based on Type 67025E                    | 1      | 0710 |
| 9301/052                            | Microcircuit, Memory, Digital, CMOS, 512x8-Bit, very low power silicon   | 1      | 0601 |
| 9301/053                            | IC Silicon Monolithic CMOS 128K x 8-Bit, Asynchronous Static Random Access Memory with Three State Outputs, based on Type 65609E           | 1      | 0710 |
| 9304/008                            | Integrated Circuits, Silicon Monolithic, CMOS Digital, Field Programmable Gate Array, 40000 Gates, based on Type AT40KEL040                | 1      | 0601 |



REP001

## List of Published ESCC Documents and Specifications

Issue: 6

Page: 86

| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 68</b><br><b>High Speed CMOS 54HC Series</b> | Status |      |
|-------------------------------------|--|--------|------|
|                                     |  | Issue  | Date |
| 9201/105                            | HCMOS Quad 2-Input NAND Gates, based on type 54HC00  | 3      | 0605 |
| 9201/106                            | HCMOS Quad 2-Input Positive AND Gates, based on type 54HC08                                      | 2      | 0303 |
| 9201/107                            | HCMOS Triple 3-Input NAND Gates, based on type 54HC10  | 2      | 0303 |
| 9201/108                            | HCMOS Dual 4-Input AND Gates, based on type 54HC21   | 2      | 0308 |
| 9201/109                            | HCMOS Triple 3-Input NOR Gates with fully buffered Outputs, based on type 54HC27                 | 2      | 0311 |
| 9201/110                            | HCMOS 8-Input NAND Gates, based on type 54HC30   | 2      | 0310 |
| 9201/111                            | HCMOS Quad 2-input OR Gates, based on type 54HC32  | 2      | 0303 |
| 9201/113                            | HCMOS Quad 2-Input NOR Gates, based on type 54HC02   | 4      | 0607 |
| 9201/114                            | HCMOS Quad 2-Input NAND Gates with Open Drain Output, based on type 54HC03                       | 3      | 0607 |
| 9201/117                            | HCMOS Triple 3-Input AND Gates, based on type 54HC11   | 2      | 0303 |
| 9201/118                            | HCMOS Dual 4-Input NAND Gates, based on type 54HC20  | 2      | 0308 |
| 9201/119                            | HCMOS Quad 2-Input Exclusive OR Gates, based on type 54HC86                                      | 2      | 0303 |
| 9201/120                            | HCMOS Quad 2-Input NAND Gates with Schmitt-Trigger Inputs, based on type 54HC132                 | 2      | 0303 |
| 9201/121                            | HCMOS Quad 2-Input Exclusive OR Gates, based on type 54HC386                                     | 3      | 0605 |
| 9201/122                            | HCMOS Quad 2-Input Exclusive NOR-Gates with Open Drain Outputs, based on type 54HC266            | 2      | 0607 |
| 9201/123                            | HCMOS 8-Input OR/NOR Gate, based on types 54HC4078 and 54HC4078A                                 | 2      | 0309 |
| 9201/124                            | HCMOS Dual 4-Input OR Gates, based on type 54HC4072  | 2      | 0303 |
| 9201/129                            | HCMOS Triple 3-Input OR Gates, based on type 54HC4075  | 2      | 0303 |
| 9201/130                            | HCMOS Dual 4-Input NOR Gates, based on type 54HC4002   | 2      | 0305 |
| 9201/132                            | HCMOS Quad 2-Input NAND Gates, based on type 54HCT00   | 2      | 0605 |
| 9201/133                            | HCMOS Quad 2-Input NOR Gates, based on type 54HCT02  | 2      | 0606 |
| 9202/072                            | HCMOS Octal D-Type Transparent Latches with 3-State Outputs, based on type 54HC573               | 2      | 0307 |
| 9202/075                            | HCMOS 4-Bit Binary Full Adders with Fast Carry, based on type 54HC283                            | 2      | 0303 |
| 9203/050                            | HCMOS Dual D-Type Flip-Flop with Preset and Clear, based on type 54HC74                          | 2      | 0303 |
| 9203/051                            | HCMOS Dual J-K Negative-Edge-Triggered Flip-Flops with Preset AND Clear, based on type 54HC112   | 3      | 0604 |
| 9203/052                            | HCMOS Quad D-Type Edge-Triggered Flip Flops WITH Clear, based on type 54HC175                    | 1      | 0210 |
| 9203/053                            | HCMOS Octal D-Type Edge-Triggered Flip-Flops with Clear, based on type 54HC273                   | 2      | 0309 |
| 9203/054                            | HCMOS Octal D-Type Edge-Triggered Flip-Flops with 3-State Outputs, based on type 54HC574         | 3      | 0604 |



REP001

## List of Published ESCC Documents and Specifications

Issue: 6

Page: 87

| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 68</b><br><b>High Speed CMOS 54HC Series</b>           | Status |      |
|-------------------------------------|--|--------|------|
|                                     |  | Issue  | Date |
| 9203/059                            | HCMOS Octal D-Type Transparent Latches with 3-State Outputs, based on type 54HC373                         | 2      | 0305 |
| 9203/060                            | HCMOS Octal D-Type Edge-Triggered Flip-Flops with 3 State Outputs, based on type 54HC374                   | 2      | 0305 |
| 9203/061                            | HCMOS Dual J-K Negative Edge Triggered Flip-Flops with Preset AND Clear, based on type 54HC76              | 2      | 0606 |
| 9203/064                            | HCMOS Octal D-Type Transparent Latches with 3-State Outputs, based on type 54HCT373                        | 2      | 0308 |
| 9203/065                            | HCMOS Quad 4-Bit Bistable Latches, based on type 54HC75  | 2      | 0307 |
| 9203/066                            | HCMOS Octal D-Type Edge-Triggered Flip-Flops with 3 State Outputs, based on type 54HCT374                  | 2      | 0308 |
| 9203/070                            | HCMOS Dual D-Type Flip-Flop with Preset and Clear, based on type 54HCT74                                   | 2      | 0307 |
| 9203/071                            | HCMOS Dual Negative-Edge Triggered J-K Flip-Flops with Clear, based on type 54HC73                         | 2      | 0310 |
| 9203/072                            | HCMOS Dual J-K Negative-Edge-Triggered Flip-Flops with Direct Clear, based on type 54HC107                 | 2      | 0310 |
| 9203/073                            | HCMOS 8-Bit Addressable Latches, based on type 54HC259   | 2      | 0306 |
| 9204/059                            | HCMOS Synchronous 4-Bit Binary Counter, with direct Clear based on type 54HC161                            | 2      | 0303 |
| 9204/062                            | HCMOS Synchronous Presetable 4-Bit Decade Counter with Direct Clear, based on type 54HC160                 | 2      | 0310 |
| 9204/065                            | HCMOS Synchronous 4-Bit Up/Down Binary Counters (Dual Clock with Clear), based on type 54HC193             | 2      | 0309 |
| 9204/066                            | HCMOS Synchronous 4-Bit Up/Down Binary Counter, based on type 54HC191                                      | 3      | 0604 |
| 9204/068                            | HCMOS Synchronous 4-Bit Up/Down Decade Counter, based on type 54HC190                                      | 2      | 0606 |
| 9204/069                            | HCMOS Asynchronous Negative Edge Triggered 12-Bit Binary Counters, based on type 54HC4040                  | 2      | 0309 |
| 9204/070                            | HCMOS Asynchronous Negative-Edge-Triggered 14 Bit Binary Counters, based on type 54HC4020                  | 2      | 0308 |
| 9204/071                            | HCMOS 8-Bit Binary Counters with 3-State Output Registers, based on type 54HC590 and 54HC590A              | 2      | 0312 |
| 9204/072                            | HCMOS 5-Stage Johnson Decade Counter/Divider, based on type 54HC4017                                       | 2      | 0605 |
| 9204/073                            | HCMOS Synchronous 4-Bit Binary Counter, based on type 54HC163  | 2      | 0308 |
| 9204/074                            | HCMOS Dual 4-Bit Negative-Edge-Triggered Binary Counters, based on type 54HC393                            | 3      | 0604 |
| 9204/076                            | HCMOS Asynchronous Negative-Edge-Triggered 14-Bit Binary Counters and Oscillators, based on type 54HC4060  | 2      | 0309 |
| 9204/077                            | HCMOS Asynchronous Negative-Edge-Triggered 7-Bit Binary Counter, based on type 54HC4024                    | 2      | 0605 |
| 9204/078                            | HCMOS Dual 4-Bit Decade Counters, based on type 54HC390  | 2      | 0606 |
| 9204/079                            | HCMOS 8-Bit Register Binary Counter, based on type 54HC592   | 2      | 0606 |
| 9204/080                            | HCMOS 4-Bit Binary Counters with Clear, based on type 54HC4520   | 2      | 0606 |
| 9205/013                            | HCMOS 3 to 8 Line Decoders/Demultiplexers with Address Latches and Inverted Outputs, based on type 54HC137 | 2      | 0307 |
| 9205/016                            | HCMOS 3 Line to 8 Line Decoders/Demultiplexers, based on type 54HC238                                      | 3      | 0605 |



REP001

## List of Published ESCC Documents and Specifications

Issue: 6

Page: 88



| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 68</b><br><b>High Speed CMOS 54HC Series</b>                              | Status |      |
|-------------------------------------|---|--------|------|
|                                     |   | Issue  | Date |
| 9205/017                            | HCMOS Dual 2-Line to 4-Line Decoders/Demultiplexers with Inverted Outputs, based on type 54HC139                              | 2      | 0308 |
| 9205/019                            | HCMOS 4 to 16 Line Decoder/Latch, based on type 54HC4514  | 2      | 0402 |
| 9205/020                            | HCMOS 4 to 10 Line Decoders/Demultiplexers with Inverted Outputs, based on type 54HC42  | 2      | 0606 |
| 9205/021                            | HCMOS 3-Line to 8-Line Decoders/Demultiplexers with Address Latches, based on type 54HC237                                    | 2      | 0309 |
| 9205/022 MS                         | HCMOS 3 to 8 Line Decoders Demultiplexers with Inverted Outputs, based on type 54HCT138                                       | 2      | 0606 |
| 9205/023                            | HCMOS 4-to-6 Line Decoders/Demultiplexers with Inverted Outputs, based on type 54HC154  | 2      | 0312 |
| 9207/006                            | HCMOS Dual Positive or Negative Edge Schmitt-Retriggerable Monostable Multivibrators with Clear, based on type 54HC123        | 2      | 0303 |
| 9207/008                            | HCMOS Dual Positive OR Negative Edge Schmitt-Retriggerable Monostable Multivibrators with Clear Reset, based on type 54HC4538 | 2      | 0309 |
| 9208/003                            | HCMOS 9-Bit Odd/Even Parity Generators/Checkers based on type 54HC280   | 2      | 0303 |
| 9209/004                            | HCMOS 4-Bit Magnitude Comparators, based on types 54HC85 and 54HC85A  | 2      | 0307 |
| 9209/005                            | HCMOS 8-Bit Identity Comparators, based on type 54HC688   | 2      | 0303 |
| 9306/041                            | HCMOS 8-Bit Sipo Shift Register, based on type 54HC164  | 2      | 0310 |
| 9306/042                            | HCMOS 8-Bit Piso Shift Register, based on type 54HC165  | 2      | 0209 |
| 9306/043                            | HCMOS 8-Bit Piso Shift Register, with fully buffered outputs, based on type 54HC166   | 2      | 0311 |
| 9306/047                            | HCMOS 4-Bit PIPO Shift Register, based on type 54HC194  | 2      | 0312 |
| 9306/048                            | HCMOS Dual J-K Positive Edge Triggered Flip-Flops with Preset and Clear, based on type 54HC109                                | 2      | 0308 |
| 9306/050                            | HCMOS 8 Bit Sipo Shift Latch Registers with 3-State Outputs, based on type 54HC4094   | 2      | 0310 |
| 9306/051                            | HCMOS 8-Bit Shift Registers with 3 State Output Registers, based on type 54HC595  | 3      | 0503 |
| 9306/052                            | HCMOS Hex D-Type Edge-Triggered Flip-Flops with Clear, based on type 54HC174  | 2      | 0402 |
| 9306/053                            | HCMOS 4-Bit PIPO Shift Register with Overriding Clear, based on type 54HC195  | 2      | 0402 |
| 9306/054                            | HCMOS 8-Bit Latch/Shift Register with fully buffered outputs, based on type 54HC597   | 2      | 0311 |
| 9306/055                            | HCMOS 8 Channel Multiplexer Register with 3-State Latches, based on type 54HC356  | 3      | 0704 |
| 9401/033                            | HCMOS Hex Inverters, based on type 54HC04   | 2      | 0303 |
| 9401/034                            | HCMOS Octal Bus Buffers with Inverted 3-State Outputs, based on type 54HC240  | 2      | 0311 |
| 9401/035                            | HCMOS Octal Bus Buffers with 3-State Outputs, based on type 54HC241   | 2      | 0311 |
| 9401/037                            | HCMOS Hex Buffers/Converters with Inverted Inputs, based on type 54HC4049   | 2      | 0303 |
| 9401/038                            | HCMOS Hex Buffers/Converters, based on type 54HC4050  | 2      | 0311 |
| 9401/039                            | HCMOS Quad Bus Buffers with 3 State Outputs, based on type 54HC125  | 2      | 0309 |



REP001

## List of Published ESCC Documents and Specifications

Issue: 6

Page: 89

| ESCC<br>Document or<br>Spec. Number | Specification Title   | Status |      |
|-------------------------------------|---|--------|------|
|                                     |   | Issue  | Date |
|                                     | <b>Class of Publication: 68</b><br><b>High Speed CMOS 54HC Series</b>   |        |      |
| 9401/044                            | HCMOS Hex Bus Buffers with 3-State Outputs, based on type 54HC367   | 2      | 0311 |
| 9401/045                            | HCMOS Octal Buffers with Inverted 3-State Outputs, based on type 54HCT240   | 2      | 0310 |
| 9401/046                            | HCMOS Quad Bus Buffers with 3-State Outputs, based on type 54HC126  | 2      | 0402 |
| 9401/047                            | HCMOS Octal Bus Buffers with 3-State Outputs, based on type 54HC541   | 2      | 0311 |
| 9401/048                            | 2CMOS Octal Buffers with 3-State Outputs, based on type 54HC244   | 3      | 0606 |
| 9401/049                            | HCMOS Octal Bus Buffers with Inverted 3-State Outputs, based on type 54HC540  | 2      | 0312 |
| 9401/052                            | HCMOS Hex Bus Buffers with 3-State Outputs, based on type 54HC365   | 3      | 0605 |
| 9401/054                            | HCMOS Hex Bus Buffers with Inverted 3-State Outputs, based on type 54HC368  | 2      | 0606 |
| 9401/055                            | HCMOS Hex Inverters (Single Stage) with Unbuffered Outputs, based on type 54HCU04                                   | 2      | 0307 |
| 9402/009                            | HCMOS Octal Bus Buffers with 3-State Outputs, based on type 54HCT244  | 2      | 0310 |
| 9405/011                            | HCMOS Quad Bus Transceivers with Inverted 3-State Outputs, based on type 54HC242                                    | 2      | 0401 |
| 9405/012                            | HCMOS Quad Bus Transceivers with 3-State Outputs, based on type 54HC243   | 2      | 0310 |
| 9405/013                            | HCMOS Octal Bus Transceivers with 3-State Outputs, based on type 54HC245  | 3      | 0612 |
| 9405/014                            | HCMOS Octal Bus Transceivers with 3-State Outputs, based on type 54HCT245   | 2      | 0312 |
| 9405/016                            | HCMOS Octal Bus Transceivers with 3-State Outputs, based on type 54HC623  | 3      | 0704 |
| 9408/038                            | HCMOS Dual 4-Line to 1-Line Data Selectors/Multiplexers, based on type 54HC153                                      | 2      | 0310 |
| 9408/046                            | HCMOS 3 to 8 Line Decoders/Demultiplexers with Inverted Outputs, based on type 54HC138                              | 2      | 0402 |
| 9408/047                            | HCMOS Quad 2-Line to 1-Line Data Selectors/Multiplexers with 3-State Outputs, based on type 54HC257                 | 2      | 0311 |
| 9408/048                            | HCMOS 8 to 1 Line Data Selectors/Multiplexers with 3-State Outputs, based on type 54HC251                           | 2      | 0311 |
| 9408/052                            | HCMOS Quad Bilateral Switch, based on type 54HC4066   | 2      | 0402 |
| 9408/054                            | HCMOS 8-to-1-Line Data Selectors/Multiplexers with fully buffered outputs, based on type 54HC151                    | 2      | 0311 |
| 9408/057                            | HCMOS Quad 2-Line to 1-Line Data Selectors/Multiplexers, based on type 54HC157                                      | 2      | 0311 |
| 9408/058                            | HCMOS Dual 4-Line to 1-Line Data Selectors/Multiplexers with 3-State Outputs, based on type 54HC253                 | 2      | 0402 |
| 9408/059                            | HCMOS Quad 2 Line to 1 Line Data Selectors/Multiplexers with fully buffered Inverted Outputs, based on type 54HC158 | 2      | 0311 |
| 9408/064                            | HCMOS Analogue Multiplexer/Demultiplexer, based on type 54HC4051  | 2      | 0402 |
| 9408/065                            | HCMOS Analogue Multiplexer/Demultiplexer (Triple 2-Channel),based on type 54HC4053                                  | 2      | 0402 |
| 9409/007                            | HCMOS Hex Schmitt Trigger Inverters, based on type 54HC14   | 2      | 0309 |
| 9410/016                            | HCMOS 4-Word x 4 Bit Register File with 3-State Outputs, based on type 54HC670                                      | 2      | 0612 |
| 9410/017                            | HCMOS 8-Line to 3-Line Priority Encoders, based on type 54HC148   | 2      | 0309 |



REP001

## List of Published ESCC Documents and Specifications

Issue: 6

Page: 90

| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 18<br/>Complex Devices (Microprocessors...)</b> | Status |      |
|-------------------------------------|---|--------|------|
|                                     |   | Issue  | Date |
| 9512/002                            | CMOS 32/40-Bit IEEE Floating Point Digital Signal Processor, based on Type TSC21020F                | 3      | 0807 |
| 9512/003                            | IC Silicon Monolithic, 32-BIT SPARC Embedded Processor, based on Type TSC695F                       | 2      | 0602 |
| 9521/002                            | CMOS 8-Bit Micro-Controller, based on types 80C32E and 80C52E                                       | 2      | 0710 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 91

---

| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 75</b><br><b>Advanced CMOS 54ACseries</b>             | Status |      |
|-------------------------------------|---|--------|------|
|                                     |   | Issue  | Date |
| 9201/125                            | Advanced CMOS Quad 2-Input NAND Gates, based on type 54AC00   | 3      | 0512 |
| 9201/126                            | Advanced CMOS Quad 2-Input AND Gates, based on type 54AC08  | 3      | 0512 |
| 9201/127                            | Advanced CMOS Quad 2-Input OR Gates, based on type 54AC32   | 3      | 0512 |
| 9201/128                            | Advanced CMOS Quad 2-Input NAND Gates, based on type 54ACT00  | 3      | 0510 |
| 9201/131                            | Advanced CMOS Quad 2-Input and Gates, based on type 54ACT08   | 2      | 0512 |
| 9201/134                            | Advanced CMOS Quad 2-Input NOR Gates, based on type 54ACT02   | 1      | 0210 |
| 9201/135                            | Advanced CMOS Quad 2-Input OR Gates, based on type 54ACT32  | 2      | 0512 |
| 9201/136                            | Advanced CMOS Quad 2-Input Exclusive-OR Gates, based on type 54AC86                                       | 2      | 0512 |
| 9201/137                            | Advanced CMOS Dual 4-Input NAND Gates, based on type 54AC20   | 1      | 0210 |
| 9201/138                            | Advanced CMOS Triple 3-Input AND Gates, based on type 54AC11  | 3      | 0512 |
| 9201/139                            | Advanced CMOS Triple 3-Input NAND Gates, based on type 54AC10   | 3      | 0512 |
| 9201/140                            | Advanced CMOS Quad 2-Input NOR Gates, based on type 54AC02  | 1      | 0210 |
| 9201/142                            | Advanced CMOS Triple 3-Input AND Gates, based on type 54ACT11   | 2      | 0512 |
| 9201/143                            | Advanced CMOS Quad 2-Input Exclusive-OR Gates, based on type 54ACT86                                      | 3      | 0512 |
| 9203/067                            | Advanced CMOS Hex D-Type Edge Triggered Flip-Flops with Clear, based on type 54AC174                      | 1      | 0210 |
| 9203/068                            | Advanced CMOS Dual D-Type Positive Edge-Triggered Flip-Flops with Preset and Clear, based on type 54AC74  | 1      | 0210 |
| 9203/069                            | Advanced CMOS Octal D-Type Edge-Triggered Flip-Flops with 3-State Outputs, based on type 54AC374          | 1      | 0210 |
| 9203/074                            | Advanced CMOS Octal D-Type Transparent Latches with 3-State Outputs, based on type 54ACT373               | 1      | 0210 |
| 9203/075                            | Advanced CMOS Octal D-Type Edge-Triggered Flip-Flops with 3-State Outputs, based on type 54AC574          | 1      | 0210 |
| 9203/076                            | Advanced CMOS Octal D-Type Flip-Flops with Clock Enable, based on type 54AC377                            | 1      | 0210 |
| 9203/077                            | Advanced CMOS Octal D-Type Edge-Triggered Flip-Flops with Clear, based on type 54AC273                    | 1      | 0210 |
| 9203/078                            | Advanced CMOS Quad D-Type Edge-Triggered Flip-Flops with Clear, based on type 54AC175                     | 1      | 0210 |
| 9203/079                            | Advanced CMOS Dual D-Type Positive Edge-Triggered Flip-Flops with Preset and Clear, based on type 54ACT74 | 1      | 0210 |
| 9203/080                            | Advanced CMOS Dual J-K Positive Edge-Tiggered Flip-Flops with Preset and Clear, based on type 54ACT109    | 1      | 0210 |
| 9203/081                            | Advanced CMOS Hex D-Type Edge-Triggered Flip-Flops with Clear, based on type 54ACT174                     | 1      | 0210 |
| 9203/082                            | Advanced CMOS Quad D-Type Edge-Triggered Flip-Flops, based on type 54ACT175                               | 1      | 0210 |



REP001

## List of Published ESCC Documents and Specifications

Issue: 6

Page: 92

| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 75</b><br><b>Advanced CMOS 54ACseries</b>  | Status |      |
|-------------------------------------|--|--------|------|
|                                     |  | Issue  | Date |
| 9203/083                            | Advanced CMOS Octal D-Type Edge-Triggered Flip-Flops with Clear, based on type 54ACT273  | 1      | 0210 |
| 9203/084                            | Advanced CMOS Octal D-Type Edge-Triggered Flip-Flops with 3-State Outputs, based on type 54ACT574  | 1      | 0210 |
| 9203/085                            | Advanced CMOS Octal D-Type Edge-Triggered Flip-Flops with 3-State Outputs, based on type 54ACT374  | 1      | 0210 |
| 9203/086                            | Advanced CMOS Dual J-K Positive Edge-Triggered Flip-Flops with Preset and Clear, based on type 54AC109   | 1      | 0210 |
| 9203/087                            | Advanced CMOS Octal D-Type Transparent Latches with 3-State Outputs, based on type 54AC573   | 1      | 0210 |
| 9203/088                            | Advanced CMOS Octal D-Type Transparent Latches with 3-State Outputs, based on type 54AC373   | 1      | 0210 |
| 9203/091                            | Advanced CMOS Octal D-Type Transparent Latches with 3-State Outputs, based on type 54ACT573  | 1      | 0210 |
| 9204/075                            | Advanced CMOS Synchronous 4-Bit Binary Counter, based on type 54ACT163   | 1      | 0210 |
| 9204/081                            | Advanced CMOS Synchronous 4-Bit Binary Counter with Direct Clear, based on type 54AC161  | 1      | 0210 |
| 9204/082                            | Advanced CMOS Synchronous 4-Bit Binary Counter, based on type 54AC163  | 1      | 0210 |
| 9204/083                            | Advanced CMOS Synchronous 4-Bit Up/Down Binary Counter, based on type 54AC169  | 1      | 0210 |
| 9204/085                            | Advanced CMOS Synchronous 4-Bit Binary Counter with Direct CLear, based on type 54ACT161   | 1      | 0210 |
| 9204/087                            | Advanced CMOS Synchronous Presettable 4-Bit Decade Counter with Direct Clear, based on type 54ACT160   | 1      | 0210 |
| 9205/024                            | Advanced CMOS Dual 2-Line to 4-Line Decoders/Demultiplexers with Inverted Outputs, based on type 54AC139   | 2      | 0512 |
| 9209/006                            | Advanced CMOS 8-Bit Identity Comparator, based on type 54AC521   | 1      | 0210 |
| 9306/056                            | Advanced CMOS 8-Input Universal Shift/Storage Registers with Common Parallel I/O Pins Direct Clear and 3-State Outputs, based on type 54AC299    | 1      | 0210 |
| 9306/057                            | Advanced CMOS 8-Input Universal Shift/Storage Registers with Common Parallel I/O Inputs Direct Clear and 3-State Outputs, based on type 54ACT299 | 1      | 0210 |
| 9401/042                            | Advanced CMOS Octal Bus Buffer with 3-State Outputs, based on type 54AC240   | 1      | 0210 |
| 9401/043                            | Advanced CMOS Octal Bus Buffers with 3-State Outputs, based on type 54AC244  | 1      | 0210 |
| 9401/050                            | Advanced CMOS Octal Bus Buffers with 3-State Outputs, based on type 54ACT244   | 1      | 0210 |
| 9401/051                            | Advanced CMOS Hex Inverter, based on type 54AC04   | 1      | 0210 |
| 9401/053                            | Advanced CMOS Hex Inverter Schmitt Trigger Inverters, based on type 54ACT14  | 1      | 0210 |
| 9401/056                            | Advanced CMOS Octal Bus Buffers with 3-State Outputs, based on type 54ACT541   | 1      | 0210 |
| 9401/057                            | Advanced CMOS Octal Bus Buffers with 3-State Outputs, based on type 54ACT240   | 1      | 0210 |
| 9401/058                            | Advanced CMOS Octal Bus Buffers with 3-State Outputs, based on type 54AC541  | 1      | 0210 |
| 9401/059                            | Advanced CMOS Hex Inverters, based on type 54ACT04   | 1      | 0210 |



REP001

## List of Published ESCC Documents and Specifications

Issue: 6

Page: 93

| ESCC<br>Document or<br>Spec. Number | Specification Title   | Status |      |
|-------------------------------------|---|--------|------|
|                                     |   | Issue  | Date |
|                                     | <b>Class of Publication: 75</b><br><b>Advanced CMOS 54ACseries</b>  |        |      |
| 9401/061                            | Advanced CMOS Quad Bus Buffers with 3-State Outputs, based on type 54AC125                                      | 1      | 0210 |
| 9401/062                            | Advanced CMOS Octal Bus Buffers with Inverted 3-State Outputs, based on type 54AC540                            | 1      | 0210 |
| 9405/015                            | Advanced CMOS Octal Bus Transceivers with 3- State Outputs, based on type 54ACT245                              | 1      | 0210 |
| 9405/017                            | Advanced CMOS Octal Bus Transceivers with 3-State Outputs, based on type 54AC245                                | 1      | 0210 |
| 9408/060                            | Advanced CMOS 3 to 8 Line Decoders/Demultiplexers with Inverted Outputs, based on type 54ACT138                 | 2      | 0512 |
| 9408/061                            | Advanced CMOS Dual 2-Line to 4-Line Decoders/Demultiplexers with Inverted Outputs, based on type 54ACT139       | 1      | 0210 |
| 9408/062                            | Advanced CMOS Quad 2-Line to 1-Line Data Selectors/ Multiplexers with 3-State Outputs, based on type 54ACT257   | 1      | 0210 |
| 9408/063                            | Advanced CMOS 3 to 8 Line Decoders/Demultiplexers with Inverted Outputs, based on type 54AC138                  | 3      | 0512 |
| 9408/066                            | Advanced CMOS Quad 2- Line to 1-Line Data Selectors/ Multiplexers with Inverted Outputs, based on type 54ACT158 | 1      | 0210 |
| 9408/067                            | Advanced CMOS 8-Line to 1-Line Data Selectors/Multiplexers, based on type 54AC151                               | 1      | 0210 |
| 9408/068                            | Advanced CMOS Dual 4-Line to 1-Line Data Selectors/ Multiplexers, based on type 54AC153                         | 1      | 0210 |
| 9408/069                            | Advanced CMOS Quad 2-Line to 1-Line Data Selectors/ Multiplexers, based on type 54AC157                         | 1      | 0210 |
| 9408/070                            | Advanced CMOS 4-Line to 1-Line Data Selectors/Multiplexers with 3-State Outputs, based on type 54AC253          | 1      | 0210 |
| 9408/071                            | Advanced CMOS Quad 2-Line to-1 Line Data Selectors/ Multiplexers with 3-State Outputs, based on type 54AC257    | 1      | 0210 |
| 9408/074                            | Advanced CMOS Quad 2-Line to 1-Line Data Selectors/ Multiplexers with Inverted Ouputs, based on type 54AC158    | 1      | 0210 |
| 9409/008                            | Advanced CMOS Hex Schmitt Trigger Inverters, based on type 54AC14   | 1      | 0210 |



REP001

## List of Published ESCC Documents and Specifications

Issue: 6

Page: 94

| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 99</b><br><b>IC Sil Mon Converter A/D and D/A (9407/...)</b> | Status |      |
|-------------------------------------|--|--------|------|
|                                     |  | Issue  | Date |
| 9407/004                            | IC Silicon Monolithic, 10-Bit, 2.2GSPS, Analogue to Digital Converter based on Type AT84AS008                    | 1      | 0810 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 95

---

| ESCC<br>Document or<br>Spec. Number | Specification Title<br><br><b>Class of Publication: 78</b><br><b>Charge Coupled Devices, Generic + Sectionals</b> | Status |      |
|-------------------------------------|---|--------|------|
|                                     |   | Issue  | Date |
| 2139020                             | Terms Definitions Abbreviations Symbols and Units for Charge Coupled Devices                                      | 1      | 0210 |
| 9020                                | Generic Specification for Charge Coupled Devices Silicon Photosensitive   | 1      | 0210 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 96

---



| ESCC<br>Document or<br>Spec. Number | Specification Title   | Status |      |
|-------------------------------------|---|--------|------|
|                                     |   | Issue  | Date |
|                                     | <b>Class of Publication: 81</b><br><b>CCD PhotoMOS Area Arrays (9610/...)</b>   |        |      |
| 9610/002                            | Charge Coupled Devices, Silicon, Photosensitive, Area Array, Image Sensor, 512 Lines x 512 Pixels, Front Illuminated, Frame Transfer, Multi Pinned Phases, Based on Type TH 7890M | 1      | 0210 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 97

---

| ESCC<br>Document or<br>Spec. Number | Specification Title  | Status |      |
|-------------------------------------|--|--------|------|
|                                     |  | Issue  | Date |
|                                     | <b>Class of Publication: 88</b><br><b>MMIC Generic and Sectional Basic Spec. (9010)</b>                        |        |      |
| 2049010                             | Internal Visual Inspection of Monolithic Microwave Integrated Circuits - Please refer to Specification 2045010 | 1      | 0210 |
| 2269010                             | Evaluation Test Programme for Monolithic Microwave Integrated Circuits (MMICs)                                 | 1      | 0210 |
| 2439010                             | Requirements for Capability Approval of Microwave Monolithic Integrated Circuits                               | 1      | 0210 |
| 9010                                | Generic Specification for Microwave Monolithic Integrated Circuits   | 1      | 0210 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 98

| ESCC<br>Document or<br>Spec. Number | Specification Title  | Status |      |
|-------------------------------------|--|--------|------|
|                                     |  | Issue  | Date |
| 9012/001                            | Monolithic Microwave Integrated Circuit (MMIC) GaAs Travelling Wave Amplifier,based on Type P35-4150 | 1      | 0210 |



REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 99

**Annex 1**  
**CORRELATION LISTING OF IC SPECIFICATIONS / TYPES / CLASSES OF PUBLICATIONS**  
**SORTED BY PART TYPE**

| Spec. Number | Part Type     | Pub. Code | Spec. Number | Part Type     | Pub. Code | Spec. Number | Part Type     | Pub. Code |
|--------------|---------------|-----------|--------------|---------------|-----------|--------------|---------------|-----------|
| 9512/003     |               | 18        | 9301/053     |               | 47        | 9201/040     | <b>4000B</b>  | 43        |
| 9201/041     | <b>4001B</b>  | 43        | 9201/042     | <b>4002B</b>  | 43        | 9306/013     | <b>4006B</b>  | 43        |
| 9202/038     | <b>4007UB</b> | 43        | 9202/039     | <b>4008B</b>  | 43        | 9208/002     | <b>40101B</b> | 43        |
| 9204/036     | <b>40103B</b> | 43        | 9306/040     | <b>40104B</b> | 43        | 9306/033     | <b>40105B</b> | 43        |
| 9409/005     | <b>40106B</b> | 43        | 9401/013     | <b>40107B</b> | 43        | 9306/034     | <b>40108B</b> | 43        |
| 9407/003     | <b>40109B</b> | 43        | 9201/043     | <b>4011B</b>  | 43        | 9201/044     | <b>4012B</b>  | 43        |
| 9203/023     | <b>4013B</b>  | 43        | 9306/014     | <b>4014B</b>  | 43        | 9306/015     | <b>4015B</b>  | 43        |
| 9204/054     | <b>40161B</b> | 43        | 9204/067     | <b>40162B</b> | 43        | 9204/046     | <b>40163B</b> | 43        |
| 9202/050     | <b>4016B</b>  | 43        | 9203/038     | <b>40174B</b> | 43        | 9204/020     | <b>4017B</b>  | 43        |
| 9202/068     | <b>40181B</b> | 43        | 9202/069     | <b>40182B</b> | 43        | 9204/021     | <b>4018B</b>  | 43        |
| 9204/041     | <b>40193B</b> | 43        | 9306/032     | <b>40194B</b> | 43        | 9202/051     | <b>4019B</b>  | 43        |
| 9301/009     | <b>40208B</b> | 43        | 9204/022     | <b>4020B</b>  | 43        | 9306/016     | <b>4021B</b>  | 43        |
| 9204/023     | <b>4022B</b>  | 43        | 9201/045     | <b>4023B</b>  | 43        | 9204/024     | <b>4024B</b>  | 43        |
| 9408/017     | <b>40257B</b> | 43        | 9201/046     | <b>4025B</b>  | 43        | 9406/001     | <b>4026B</b>  | 43        |
| 9203/022     | <b>4027B</b>  | 43        | 9205/010     | <b>4028B</b>  | 43        | 9204/025     | <b>4029B</b>  | 43        |
| 9201/047     | <b>4030B</b>  | 43        | 9306/017     | <b>4031B</b>  | 43        | 9306/025     | <b>4034B</b>  | 43        |
| 9306/018     | <b>4035B</b>  | 43        | 9204/026     | <b>4040B</b>  | 43        | 9202/040     | <b>4041UB</b> | 43        |
| 9202/041     | <b>4042B</b>  | 43        | 9202/042     | <b>4043B</b>  | 43        | 9202/043     | <b>4044B</b>  | 43        |
| 9202/044     | <b>4046B</b>  | 43        | 9207/003     | <b>4047B</b>  | 43        | 9201/054     | <b>4048B</b>  | 43        |
| 9202/045     | <b>4049UB</b> | 43        | 9202/046     | <b>4050B</b>  | 43        | 9202/047     | <b>4051B</b>  | 43        |
| 9202/048     | <b>4052B</b>  | 43        | 9202/049     | <b>4053B</b>  | 43        | 9204/052     | <b>4060B</b>  | 43        |
| 9209/001     | <b>4063B</b>  | 43        | 9408/005     | <b>4066B</b>  | 43        | 9408/009     | <b>4067B</b>  | 43        |
| 9201/061     | <b>4068B</b>  | 43        | 9401/010     | <b>4069UB</b> | 43        | 9201/048     | <b>4070B</b>  | 43        |
| 9201/063     | <b>4071B</b>  | 43        | 9201/082     | <b>4072B</b>  | 43        | 9201/064     | <b>4073B</b>  | 43        |
| 9201/065     | <b>4075B</b>  | 43        | 9306/022     | <b>4076B</b>  | 43        | 9201/055     | <b>4077B</b>  | 43        |
| 9201/062     | <b>4078B</b>  | 43        | 9201/052     | <b>4081B</b>  | 43        | 9201/066     | <b>4082B</b>  | 43        |
| 9201/067     | <b>4085B</b>  | 43        | 9201/068     | <b>4086B</b>  | 43        | 9202/060     | <b>4089B</b>  | 43        |
| 9409/002     | <b>4093B</b>  | 43        | 9306/026     | <b>4094B</b>  | 43        | 9206/003     | <b>4098B</b>  | 43        |
| 9202/058     | <b>4099B</b>  | 43        | 9401/006     | <b>4502B</b>  | 43        | 9401/030     | <b>4503B</b>  | 43        |
| 9202/063     | <b>4508B</b>  | 43        | 9408/006     | <b>4512B</b>  | 43        | 9408/012     | <b>4514B</b>  | 43        |
| 9205/011     | <b>4515B</b>  | 43        | 9204/045     | <b>4516B</b>  | 43        | 9306/049     | <b>4517B</b>  | 43        |
| 9204/013     | <b>4518B</b>  | 43        | 9204/028     | <b>4520B</b>  | 43        | 9202/065     | <b>4532B</b>  | 43        |
| 9207/007     | <b>4538B</b>  | 43        | 9408/011     | <b>4555B</b>  | 43        | 9408/025     | <b>4556B</b>  | 43        |



ESCC REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 100

**Annex 1**  
**CORRELATION LISTING OF IC SPECIFICATIONS / TYPES / CLASSES OF PUBLICATIONS**  
**SORTED BY PART TYPE**

| Spec. Number | Part Type | Pub. Code | Spec. Number | Part Type | Pub. Code | Spec. Number | Part Type | Pub. Code |
|--------------|-----------|-----------|--------------|-----------|-----------|--------------|-----------|-----------|
| 9201/125     | 54AC00    | 75        | 9201/140     | 54AC02    | 75        | 9401/051     | 54AC04    | 75        |
| 9201/126     | 54AC08    | 75        | 9201/139     | 54AC10    | 75        | 9203/086     | 54AC109   | 75        |
| 9201/138     | 54AC11    | 75        | 9401/061     | 54AC125   | 75        | 9408/063     | 54AC138   | 75        |
| 9205/024     | 54AC139   | 75        | 9409/008     | 54AC14    | 75        | 9408/067     | 54AC151   | 75        |
| 9408/068     | 54AC153   | 75        | 9408/069     | 54AC157   | 75        | 9408/074     | 54AC158   | 75        |
| 9204/081     | 54AC161   | 75        | 9204/082     | 54AC163   | 75        | 9204/083     | 54AC169   | 75        |
| 9203/067     | 54AC174   | 75        | 9203/078     | 54AC175   | 75        | 9201/137     | 54AC20    | 75        |
| 9401/042     | 54AC240   | 75        | 9401/043     | 54AC244   | 75        | 9405/017     | 54AC245   | 75        |
| 9408/070     | 54AC253   | 75        | 9408/071     | 54AC257   | 75        | 9203/077     | 54AC273   | 75        |
| 9306/056     | 54AC299   | 75        | 9201/127     | 54AC32    | 75        | 9203/088     | 54AC373   | 75        |
| 9203/069     | 54AC374   | 75        | 9203/076     | 54AC377   | 75        | 9209/006     | 54AC521   | 75        |
| 9401/062     | 54AC540   | 75        | 9401/058     | 54AC541   | 75        | 9203/087     | 54AC573   | 75        |
| 9203/075     | 54AC574   | 75        | 9203/068     | 54AC74    | 75        | 9201/136     | 54AC86    | 75        |
| 9201/128     | 54ACT00   | 75        | 9201/134     | 54ACT02   | 75        | 9401/059     | 54ACT04   | 75        |
| 9201/131     | 54ACT08   | 75        | 9203/080     | 54ACT109  | 75        | 9201/142     | 54ACT11   | 75        |
| 9408/060     | 54ACT138  | 75        | 9408/061     | 54ACT139  | 75        | 9401/053     | 54ACT14   | 75        |
| 9408/066     | 54ACT158  | 75        | 9204/087     | 54ACT160  | 75        | 9204/085     | 54ACT161  | 75        |
| 9204/075     | 54ACT163  | 75        | 9203/081     | 54ACT174  | 75        | 9203/082     | 54ACT175  | 75        |
| 9401/057     | 54ACT240  | 75        | 9401/050     | 54ACT244  | 75        | 9405/015     | 54ACT245  | 75        |
| 9408/062     | 54ACT257  | 75        | 9203/083     | 54ACT273  | 75        | 9306/057     | 54ACT299  | 75        |
| 9201/135     | 54ACT32   | 75        | 9203/074     | 54ACT373  | 75        | 9203/085     | 54ACT374  | 75        |
| 9401/056     | 54ACT541  | 75        | 9203/091     | 54ACT573  | 75        | 9203/084     | 54ACT574  | 75        |
| 9203/079     | 54ACT74   | 75        | 9201/143     | 54ACT86   | 75        | 9201/105     | 54HC00    | 68        |
| 9201/113     | 54HC02    | 68        | 9201/114     | 54HC03    | 68        | 9401/033     | 54HC04    | 68        |
| 9201/106     | 54HC08    | 68        | 9201/107     | 54HC10    | 68        | 9203/072     | 54HC107   | 68        |
| 9306/048     | 54HC109   | 68        | 9201/117     | 54HC11    | 68        | 9203/051     | 54HC112   | 68        |
| 9207/006     | 54HC123   | 68        | 9401/039     | 54HC125   | 68        | 9401/046     | 54HC126   | 68        |
| 9201/120     | 54HC132   | 68        | 9205/013     | 54HC137   | 68        | 9408/046     | 54HC138   | 68        |
| 9205/017     | 54HC139   | 68        | 9409/007     | 54HC14    | 68        | 9410/017     | 54HC148   | 68        |
| 9408/054     | 54HC151   | 68        | 9408/038     | 54HC153   | 68        | 9205/023     | 54HC154   | 68        |
| 9408/057     | 54HC157   | 68        | 9408/059     | 54HC158   | 68        | 9204/062     | 54HC160   | 68        |
| 9204/059     | 54HC161   | 68        | 9204/073     | 54HC163   | 68        | 9306/041     | 54HC164   | 68        |
| 9306/042     | 54HC165   | 68        | 9306/043     | 54HC166   | 68        | 9306/052     | 54HC174   | 68        |
| 9203/052     | 54HC175   | 68        | 9204/068     | 54HC190   | 68        | 9204/066     | 54HC191   | 68        |



ESCC REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 101

**Annex 1**  
**CORRELATION LISTING OF IC SPECIFICATIONS / TYPES / CLASSES OF PUBLICATIONS**  
**SORTED BY PART TYPE**

| Spec. Number | Part Type         | Pub. Code | Spec. Number | Part Type       | Pub. Code | Spec. Number | Part Type        | Pub. Code |
|--------------|-------------------|-----------|--------------|-----------------|-----------|--------------|------------------|-----------|
| 9204/065     | <b>54HC193</b>    | 68        | 9306/047     | <b>54HC194</b>  | 68        | 9306/053     | <b>54HC195</b>   | 68        |
| 9201/118     | <b>54HC20</b>     | 68        | 9201/108     | <b>54HC21</b>   | 68        | 9205/021     | <b>54HC237</b>   | 68        |
| 9205/016     | <b>54HC238</b>    | 68        | 9401/034     | <b>54HC240</b>  | 68        | 9401/035     | <b>54HC241</b>   | 68        |
| 9405/011     | <b>54HC242</b>    | 68        | 9405/012     | <b>54HC243</b>  | 68        | 9401/048     | <b>54HC244</b>   | 68        |
| 9405/013     | <b>54HC245</b>    | 68        | 9408/048     | <b>54HC251</b>  | 68        | 9408/058     | <b>54HC253</b>   | 68        |
| 9408/047     | <b>54HC257</b>    | 68        | 9203/073     | <b>54HC259</b>  | 68        | 9201/122     | <b>54HC266</b>   | 68        |
| 9201/109     | <b>54HC27</b>     | 68        | 9203/053     | <b>54HC273</b>  | 68        | 9208/003     | <b>54HC280</b>   | 68        |
| 9202/075     | <b>54HC283</b>    | 68        | 9201/110     | <b>54HC30</b>   | 68        | 9201/111     | <b>54HC32</b>    | 68        |
| 9306/055     | <b>54HC356</b>    | 68        | 9401/052     | <b>54HC365</b>  | 68        | 9401/044     | <b>54HC367</b>   | 68        |
| 9401/054     | <b>54HC368</b>    | 68        | 9203/059     | <b>54HC373</b>  | 68        | 9203/060     | <b>54HC374</b>   | 68        |
| 9201/121     | <b>54HC386</b>    | 68        | 9204/078     | <b>54HC390</b>  | 68        | 9204/074     | <b>54HC393</b>   | 68        |
| 9201/130     | <b>54HC4002</b>   | 68        | 9204/072     | <b>54HC4017</b> | 68        | 9204/070     | <b>54HC4020</b>  | 68        |
| 9204/077     | <b>54HC4024</b>   | 68        | 9204/069     | <b>54HC4040</b> | 68        | 9401/037     | <b>54HC4049</b>  | 68        |
| 9401/038     | <b>54HC4050</b>   | 68        | 9408/064     | <b>54HC4051</b> | 68        | 9408/065     | <b>54HC4053</b>  | 68        |
| 9204/076     | <b>54HC4060</b>   | 68        | 9408/052     | <b>54HC4066</b> | 68        | 9201/124     | <b>54HC4072</b>  | 68        |
| 9201/129     | <b>54HC4075</b>   | 68        | 9201/123     | <b>54HC4078</b> | 68        | 9201/123     | <b>54HC4078A</b> | 68        |
| 9306/050     | <b>54HC4094</b>   | 68        | 9205/020     | <b>54HC42</b>   | 68        | 9205/019     | <b>54HC4514</b>  | 68        |
| 9204/080     | <b>54HC4520</b>   | 68        | 9207/008     | <b>54HC4538</b> | 68        | 9401/049     | <b>54HC540</b>   | 68        |
| 9401/047     | <b>54HC541</b>    | 68        | 9202/072     | <b>54HC573</b>  | 68        | 9203/054     | <b>54HC574</b>   | 68        |
| 9204/071     | <b>54HC590</b>    | 68        | 9204/071     | <b>54HC590A</b> | 68        | 9204/079     | <b>54HC592</b>   | 68        |
| 9306/051     | <b>54HC595</b>    | 68        | 9306/054     | <b>54HC597</b>  | 68        | 9405/016     | <b>54HC623</b>   | 68        |
| 9410/016     | <b>54HC670</b>    | 68        | 9209/005     | <b>54HC688</b>  | 68        | 9203/071     | <b>54HC73</b>    | 68        |
| 9203/050     | <b>54HC74</b>     | 68        | 9203/065     | <b>54HC75</b>   | 68        | 9203/061     | <b>54HC76</b>    | 68        |
| 9209/004     | <b>54HC85</b>     | 68        | 9209/004     | <b>54HC85A</b>  | 68        | 9201/119     | <b>54HC86</b>    | 68        |
| 9201/132     | <b>54HCT00</b>    | 68        | 9201/133     | <b>54HCT02</b>  | 68        | 9205/022     | <b>54HCT138</b>  | 68        |
| 9401/045     | <b>54HCT240</b>   | 68        | 9402/009     | <b>54HCT244</b> | 68        | 9405/014     | <b>54HCT245</b>  | 68        |
| 9203/064     | <b>54HCT373</b>   | 68        | 9203/066     | <b>54HCT374</b> | 68        | 9203/070     | <b>54HCT74</b>   | 68        |
| 9401/055     | <b>54HCU04</b>    | 68        | 9301/052     | <b>60142</b>    | 47        | 9301/053     | <b>65609E</b>    | 47        |
| 9301/050     | <b>67025E</b>     | 47        | 9301/049     | <b>67204H</b>   | 47        | 9301/048     | <b>672061H</b>   | 47        |
| 9301/048     | <b>67206H</b>     | 47        | 9521/002     | <b>80C32E</b>   | 18        | 9521/002     | <b>80C52E</b>    | 18        |
| 9304/008     | <b>AT40KEL040</b> | 47        | 9301/047     | <b>M65508E</b>  | 47        | 9512/002     | <b>TSC21020F</b> | 18        |



ESCC REP001

List of Published ESCC Documents and Specifications

Issue: 6

Page: 102