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CONNECTOR SAVERS FOR ELECTRICAL, CIRCULAR CONNECTORS 3401/044, 3401/052 AND 3401/056

ESCC Detail Specification No. 3401/063

Issue 3 May 2013





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1 GENERAL

1.1 SCOPE

This specification details the ratings, physical and electrical characteristics, test and inspection data for Connector Savers for Electrical, Circular Connectors 3401/044, 3401/052 and 3401/056.

It shall be read in conjunction with:

- ESCC Generic Specification No. 3401, Connectors, Electrical, Non-Filtered, Circular and Rectangular.
- ESCC Detail Specification No. 3401/044, Connectors, Electrical, Circular Bayonet Coupling, Removable Crimp Contacts, Based on MIL-C-38999 Series II.
- ESCC Detail Specification No. 3401/052, Connectors, Electrical, Circular Bayonet Coupling, Scoop-proof, Removable Crimp Contacts, Based on MIL-C-38999 Series I.
- ESCC Detail Specification No. 3401/056, Connectors, Electrical, Triple Start Self Locking Coupling, Scoop-proof, Removable Crimp Contacts, Based on MIL-C-38999 Series III.

the requirements of which are supplemented herein.

1.2 RANGE OF COMPONENTS

The different sizes of connectors specified herein, which are also covered by this specification, together with their mechanical characteristics, are given in Table 1(a).

1.3 MAXIMUM RATINGS

The maximum ratings, which shall not be exceeded at any time during use or storage, applicable to the connector savers specified herein, are as scheduled in Table 1(b).

1.4 PARAMETER DERATING INFORMATION (FIGURE 1)

Not applicable.

1.5 PHYSICAL DIMENSIONS

The physical dimensions of the connectors specified herein are shown in Figure 2.

2 APPLICABLE DOCUMENTS

The following documents form part of this specification and shall be read in conjunction with it:

- (a) ESCC Generic Specification No. 3401, Connectors, Electrical, Non-Filtered, Circular and Rectangular.
- (b) ESCC Detail Specification No. 3401/044, Connectors, Electrical, Circular Bayonet Coupling, Removable Crimp Contacts, Based on MIL-C-38999 Series II.
- (c) ESCC Detail Specification No. 3401/052, Connectors, Electrical, Circular Bayonet Coupling, Scoop-proof, Removable Crimp Contacts, Based on MIL-C-38999 Series I.
- (d) ESCC Detail Specification No. 3401/056, Connectors, Electrical, Triple Start Self Locking Coupling, Scoop-proof, Removable Crimp Contacts, Based on MIL-C-38999 Series III.
- (e) MIL-STD-1560, Insert Arrangements for MIL-C-38999 and MIL-C-27599 Electrical Circular Connectors.



TABLE 1(a) - RANGE OF COMPONENTS

TYPE VARIANT 01 - SAVERS FOR 3401/052 CONNECTORS (SERIES I)

| Shell Size | Max. Weight (g) (1) | Mating Torque For The Plug End | | rque For The End |
|------------|---------------------|-----------------------------------|----------|---------------------|
| | | Max. N.m | Max. N.m | Min. N.m |
| 09 | 25 | 0.9 | 0.9 | 0.2 |
| 11 | 32 | 1.4 | 1.4 | 0.2 |
| 13 | 38 | 1.8 | 1.8 | 0.2 |
| 15 | 45 | 2.3 | 2.3 | 0.3 |
| 17 | 52 | 2.7 | 2.7 | 0.3 |
| 19 | 83 | 3.2 | 3.2 | 0.3 |
| 21 | 105 | 3.6 | 3.6 | 0.6 |
| 23 | 113 | 4.1 | 4.1 | 0.6 |
| 25 | 117 | 4.6 | 4.6 | 0.6 |

NOTES

1. With contacts.

TYPE VARIANT 02 - SAVERS FOR 3401/044 CONNECTORS (SERIES II)

| Shell Size | Max. Weight (g) (1) | Mating Torque For The Plug End | _ | rque For The End |
|------------|---------------------|-----------------------------------|----------|---------------------|
| | | Max. N.m | Max. N.m | Min. N.m |
| 08 | 18 | 0.9 | 0.9 | 0.2 |
| 10 | 28 | 1.4 | 1.4 | 0.2 |
| 12 | 34 | 1.8 | 1.8 | 0.2 |
| 14 | 40 | 2.3 | 2.3 | 0.3 |
| 16 | 46 | 2.7 | 2.7 | 0.3 |
| 18 | 76 | 3.2 | 3.2 | 0.3 |
| 20 | 95 | 3.6 | 3.6 | 0.6 |
| 22 | 106 | 4.1 | 4.1 | 0.6 |
| 24 | 112 | 4.6 | 4.6 | 0.6 |

NOTES

With contacts.

TYPE VARIANT 03 - SAVERS FOR 3401/056 CONNECTORS (SERIES III)

| Shell Max. | | | | For The Plug End | | rque For The End |
|------------|------------|-----|-------|------------------|----------|---------------------|
| Size | Weight (g) | End | d (N) | Max. | Max. N.m | Min. N.m |
| | (1) | Min | Max | N.m | | |
| 09 | 23 | 2 | 111 | 0.9 | 0.9 | 0.2 |
| 11 | 32 | 2 | 111 | 1.4 | 1.4 | 0.2 |
| 13 | 36 | 2 | 133 | 1.8 | 1.8 | 0.2 |
| 15 | 44 | 2 | 133 | 2.3 | 2.3 | 0.3 |
| 17 | 51 | 2 | 156 | 2.7 | 2.7 | 0.3 |
| 19 | 80 | 2 | 156 | 3.2 | 3.2 | 0.3 |
| 21 | 100 | 2 | 156 | 3.6 | 3.6 | 0.6 |
| 23 | 111 | 2 | 156 | 4.1 | 4.1 | 0.6 |
| 25 | 115 | 2 | 156 | 4.6 | 4.6 | 0.6 |



NOTES

1. With contacts.

TABLE 1(b) - MAXIMUM RATINGS

| No. | Chara | Characteristics | | Maximur | m Rating | Unit |
|-----|---------------------------------------|---|----------------|---------|--------------------------|------|
| | | | | Min | Max | |
| 1 | Working Voltage (Sea Level) (1) | Service rating N Service rating M Service rating I Service rating II | U _R | - | 250 325 450 575 | Vrms |
| 2 | Operating Tempe | T _{op} | -65 | +200 | ۰C | |
| 3 | Storage Tempera | Storage Temperature Range | | | +200 | °C |

NOTES

See Para. 4.5.4.3.

FIGURE 1 - PARAMETER DERATING INFORMATION

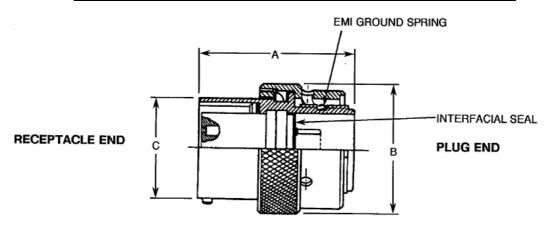
Not applicable.



FIGURE 2 - PHYSICAL DIMENSIONS

FIGURE 2(a) - SAVERS

TYPE VARIANT 01 - SAVERS FOR 3401/052 CONNECTORS (SERIES I)

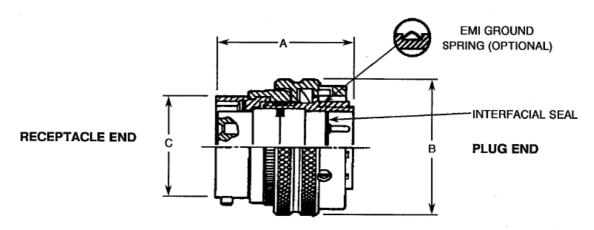


| Shell Size | 09 | 11 | 13 | 15 | 17 | 19 | 21 | 23 | 25 |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| A Max | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 |
| B Max | 22.86 | 26.16 | 30.61 | 33.66 | 36.83 | 39.75 | 42.93 | 45.59 | 48.77 |
| C Max | 14.6 | 17.8 | 21.6 | 24.8 | 28 | 30.7 | 33.9 | 37 | 40.2 |

NOTES

1. All dimensions are in millimeters.

TYPE VARIANT 02 - SAVERS FOR 3401/044 CONNECTORS (SERIES II)



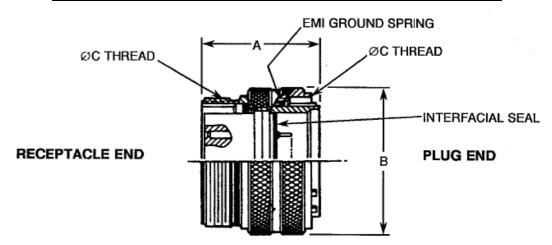
| Shell Size | 08 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 |
|------------|------|------|------|------|------|------|------|------|------|
| A Max | 30.5 | 30.5 | 30.5 | 30.5 | 30.5 | 30.5 | 30.5 | 30.5 | 30.5 |
| B Max | 19.1 | 21.8 | 26.2 | 29.4 | 32.5 | 35.7 | 38.9 | 41.7 | 44.9 |
| C Max | 12 | 15 | 13.1 | 22.3 | 25.4 | 28.6 | 31.8 | 35 | 38.1 |

NOTES

1. All dimensions are in millimetres.



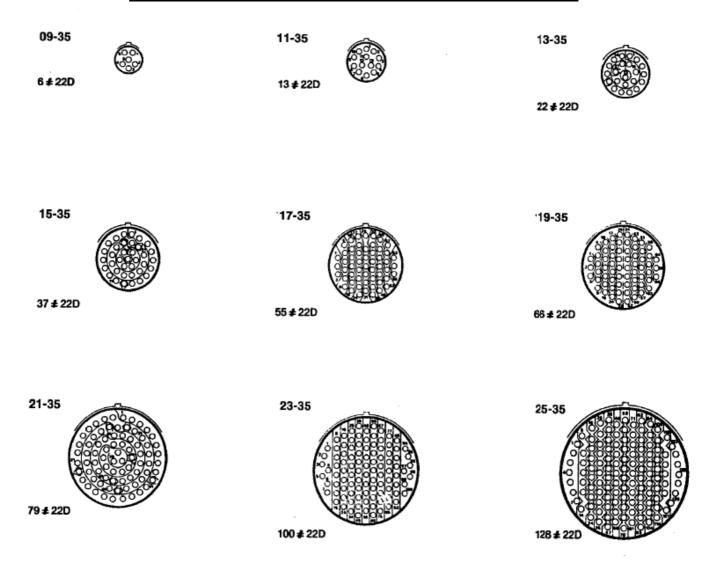
TYPE VARIANT 03 - SAVERS FOR 3401/056 CONNECTORS (SERIES III)



| Shell Size | Millimetres | | ØC Thread (Class 2A) |
|------------|-------------|-------|-----------------------|
| | A Max | B Max | |
| 09 | 38.1 | 21.8 | 0.6250-0.1P-0.3L-TS-2 |
| 11 | 38.1 | 24.6 | 0.7500-0.1P-0.3L-TS-2 |
| 13 | 38.1 | 29 | 0.8750-0.1P-0.3L-TS-2 |
| 15 | 38.1 | 32.2 | 1.0000-0.1P-0.3L-TS-2 |
| 17 | 38.1 | 35.3 | 1.1875-0.1P-0.3L-TS-2 |
| 19 | 38.1 | 38.1 | 1.2500-0.1P-0.3L-TS-2 |
| 21 | 38.1 | 41.3 | 1.3750-0.1P-0.3L-TS-2 |
| 23 | 38.1 | 44.5 | 1.5000-0.1P-0.3L-TS-2 |
| 25 | 38.1 | 47.6 | 1.6250-0.1P-0.3L-TS-2 |



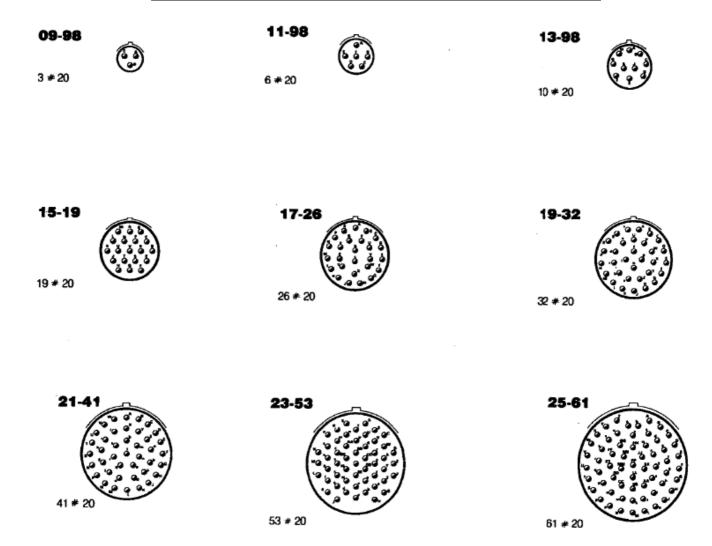
FIGURE 2(b) - HIGH DENSITY CONTACT ARRANGEMENTS - FRONT VIEW MALE INSERT TYPE VARIANT 01 - SAVERS FOR 3401/052 CONNECTORS (SERIES I) TYPE VARIANT 03 - SAVERS FOR 3401/056 CONNECTORS (SERIES III)



- 1. Contact locations and identifications in conformity with MIL-STD-1560.
- 2. Both sides of the inserts shall be marked.



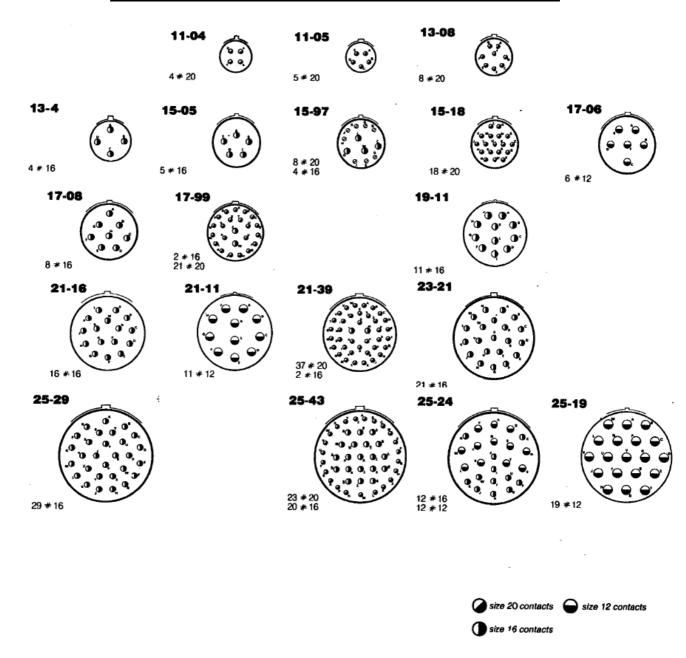
FIGURE 2(b) - STANDARD CONTACT ARRANGEMENTS, FRONT VIEW MALE INSERT TYPE VARIANT 01 - SAVERS FOR 3401/052 CONNECTORS (SERIES I) TYPE VARIANT 03 - SAVERS FOR 3401/056 CONNECTORS (SERIES III)



- 1. Contact locations and identifications in conformity with MIL-STD-1560.
- 2. Both sides of the inserts shall be marked.



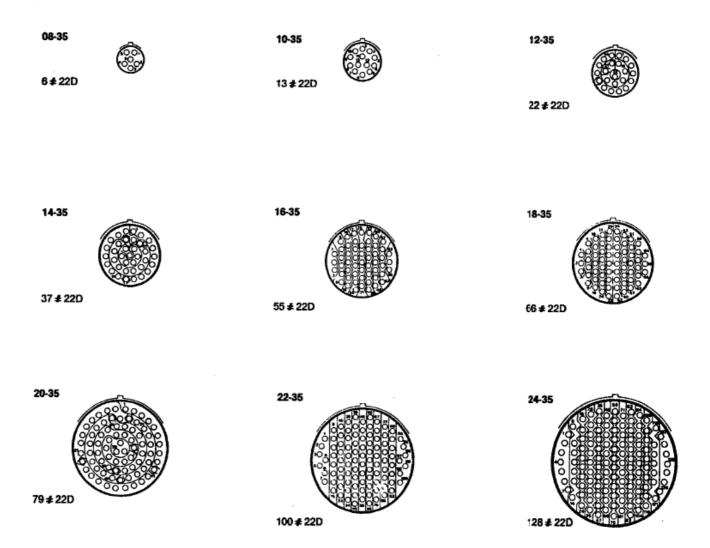
FIGURE 2(b) - SPECIAL CONTACT ARRANGEMENTS, FRONT VIEW MALE INSERT TYPE VARIANT 01 - SAVERS FOR 3401/052 CONNECTORS (SERIES I) TYPE VARIANT 03 - SAVERS FOR 3401/056 CONNECTORS (SERIES III)



- 1. Contact locations and identifications in conformity with MIL-STD-1560.
- 2. Both sides of the inserts shall be marked.



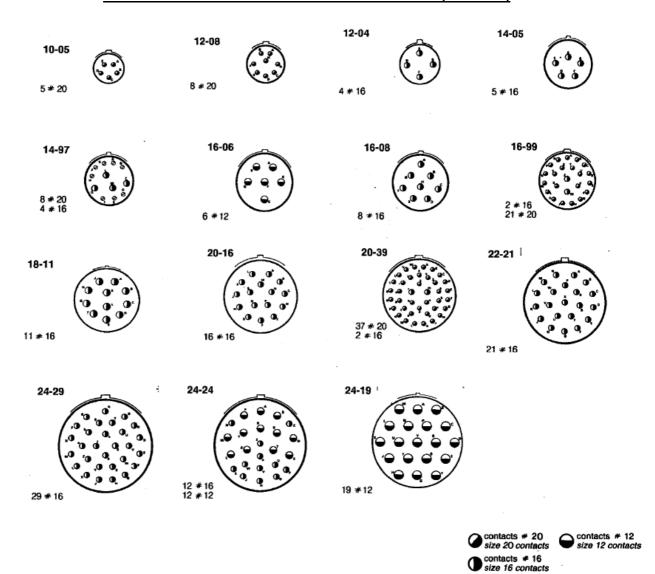
FIGURE 2(b) - HIGH DENSITY CONTACT ARRANGEMENTS - FRONT VIEW MALE INSERT TYPE VARIANT 02 - SAVERS FOR 3401/044 CONNECTORS (SERIES II)



- 1. Contact locations and identifications in conformity with MIL-STD-1560.
- 2. Both sides of the inserts shall be marked.



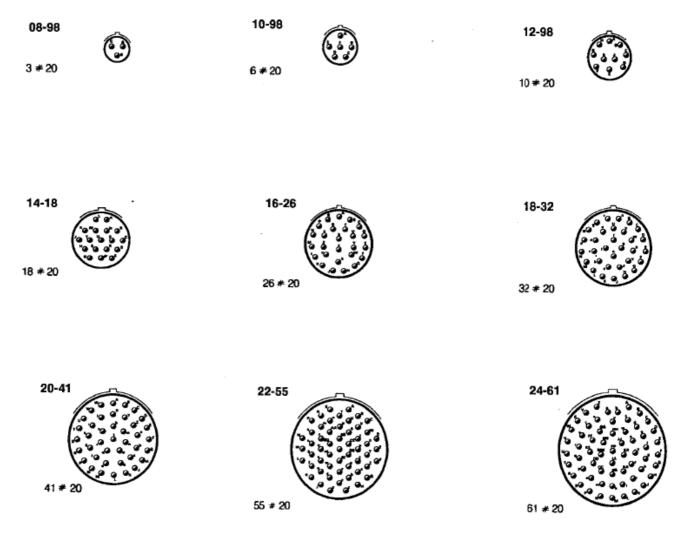
FIGURE 2(b) - SPECIAL CONTACT ARRANGEMENTS - FRONT VIEW MALE INSERT TYPE VARIANT 02 - SAVERS FOR 3401/044 CONNECTORS (SERIES II)



- 1. Contact locations and identifications in conformity with MIL-STD-1560.
- 2. Both sides of the inserts shall be marked.



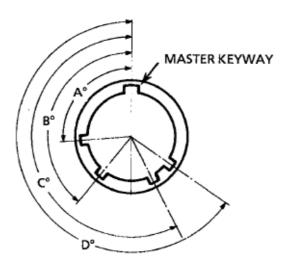
FIGURE 2(b) - STANDARD CONTACT ARRANGEMENTS - FRONT VIEW MALE INSERT TYPE VARIANT 02 - SAVERS FOR 3401/044 CONNECTORS (SERIES II)



- 1. Contact locations and identifications in conformity with MIL-STD-1560.
- 2. Both sides of the inserts shall be marked.



FIGURE 2(c) - CLOCKING POSITIONS



Receptacle front end view

NOTES

1. The clocking position is determined by the different angles of the secondary keyways, the insert being always in the same position with respect to the master keyway position which is fixed.

| Shell Size | Angles | Clocking Positions | | | | | |
|------------|----------------|--------------------|-----|-----|-----|-----|-----|
| | | N | А | В | С | D | Е |
| 09 | Α° | 105 | 102 | 80 | 35 | 64 | 91 |
| | B ^o | 140 | 132 | 118 | 140 | 155 | 131 |
| | Co | 215 | 248 | 230 | 205 | 234 | 197 |
| | Dº | 265 | 320 | 312 | 275 | 304 | 240 |
| 11 | Α° | 95 | 113 | 90 | 53 | 119 | 51 |
| | B ^o | 141 | 156 | 145 | 156 | 146 | 141 |
| | Co | 208 | 182 | 195 | 220 | 176 | 184 |
| | Dº | 236 | 292 | 252 | 255 | 298 | 242 |
| 13 | Α° | 95 | 113 | 90 | 53 | 119 | 51 |
| | В° | 141 | 156 | 145 | 156 | 146 | 141 |
| | Co | 208 | 182 | 195 | 220 | 176 | 184 |
| | Dº | 236 | 292 | 252 | 255 | 298 | 242 |
| 15 | Α° | 95 | 113 | 90 | 53 | 119 | 51 |
| | B⁰ | 141 | 156 | 145 | 156 | 146 | 141 |
| | Co | 208 | 182 | 195 | 220 | 176 | 184 |
| | Dº | 236 | 292 | 252 | 255 | 298 | 242 |
| 17 | A ^o | 80 | 135 | 49 | 66 | 62 | 79 |
| | B ^o | 142 | 170 | 169 | 140 | 145 | 153 |
| | Co | 196 | 200 | 200 | 200 | 180 | 197 |
| | Dº | 293 | 310 | 244 | 257 | 280 | 272 |
| 19 | Α° | 80 | 135 | 49 | 66 | 62 | 79 |
| | Вº | 142 | 170 | 169 | 140 | 145 | 153 |
| | Co | 196 | 200 | 200 | 200 | 180 | 197 |
| | Dº | 293 | 310 | 244 | 257 | 280 | 272 |



| Shell Size | Angles | Clocking Positions | | | | | | |
|------------|----------------|--------------------|-----|-----|-----|-----|-----|--|
| | | N | Α | В | С | D | Е | |
| 21 | A ^o | 80 | 135 | 49 | 66 | 62 | 79 | |
| | В° | 142 | 170 | 169 | 140 | 145 | 153 | |
| | Co | 196 | 200 | 200 | 200 | 180 | 197 | |
| | Dº | 293 | 310 | 244 | 257 | 280 | 272 | |
| 23 | A ^o | 80 | 135 | 49 | 66 | 62 | 79 | |
| | В° | 142 | 170 | 169 | 140 | 145 | 153 | |
| | Co | 196 | 200 | 200 | 200 | 180 | 197 | |
| | D° | 293 | 310 | 244 | 257 | 280 | 272 | |
| 25 | Α° | 80 | 135 | 49 | 66 | 62 | 79 | |
| | B⁰ | 142 | 170 | 169 | 140 | 145 | 153 | |
| | Co | 196 | 200 | 200 | 200 | 180 | 197 | |
| | Dº | 293 | 310 | 244 | 257 | 280 | 272 | |

3 TERMS, DEFINITIONS, ABBREVIATIONS, SYMBOLS AND UNITS

For the purpose of this specification, the terms, definitions, abbreviations, symbols and units specified in ESCC Basic Specification No. 21300 shall apply.

4 **REQUIREMENTS**

4.1 GENERAL

The complete requirements for procurement of the components specified herein shall be as stated in this specification and ESCC Generic Specification No. 3401. Deviations from the Generic Specification, applicable to this Detail Specification only, are listed in Para. 4.2.

Deviations from the applicable Generic Specification and this Detail Specification, formally agreed with specific Manufacturers on the basis that the alternative requirements are equivalent to the ESCC requirements and do not affect the components' reliability, are listed in the Appendices attached to this specification.

4.2 DEVIATIONS FROM GENERIC SPECIFICATION

4.2.1 <u>Deviations from Special In-process Controls</u> None.

4.2.2 Deviations from Final Production Tests (Chart II)

- (a) Para. 9.4, Contact Capability: Not applicable.
- (b) Para. 9.5, Magnetism Level: Not applicable.
- (c) Para. 9.8, Installation of Contacts into Insert: Not applicable.
- (d) Para. 9.9, Seal Test: Not applicable.

4.2.3 <u>Deviations from Burn-in and Electrical Measurements (Chart III)</u> Not applicable.

4.2.4 <u>Deviations from Qualification Tests (Chart IV)</u> Qualification tests are not applicable.



4.2.5 <u>Deviations from Lot Acceptance Tests (Chart V)</u>

Lot Acceptance tests are not applicable.

4.3 <u>MECHANICAL REQUIREMENTS</u>

4.3.1 Dimension Check

The dimensions of the connector savers specified herein shall be verified in accordance with the requirements set out in Para. 9.6 of ESCC Generic Specification No. 3401 and shall conform to those shown in Figure 2 of this specification.

4.3.2 Weight

The maximum weight of the connector savers specified herein, without contacts, shall be as specified in Table 1(a).

4.3.3 Contact Capability

Not applicable.

4.3.4 Contact Retention (In Insert)

Not applicable.

4.3.5 Mating and Unmating Forces

The forces applied for mating and unmating of the connector (axial and torque) shall conform to the values specified in Table 1(a).

4.3.6 <u>Insert Retention (In Shell)</u>

Not applicable.

4.3.7 <u>Jackscrew Retention</u>

Not applicable.

4.3.8 <u>Contact Insertion and Withdrawal Forces</u>

Not applicable.

4.3.9 <u>Engagement and Separation Forces</u>

Not applicable.

4.3.10 Oversize Pin Exclusion

Not applicable.

4.3.11 Probe Damage

Not applicable.

4.3.12 Solderability

Not applicable.

4.4 MATERIALS AND FINISHES

The materials and finishes shall be as specified herein. Where a definite material is not specified, a material which will enable the connector savers specified herein to meet the performance requirements of this specification shall be used. Acceptance or approval of any constituent material does not guarantee acceptance of the finished product.



4.4.1 Shell and Coupling Ring

The shell and coupling ring shall be made of aluminium alloy, dull low-reflective electroless nickel plated.

4.4.2 Inserts

Bonded sandwich: Silicone/thermosetting or thermoplastic insert/silicone.

4.4.3 Contacts

As specified in ESCC Detail Specification No. 3401/058.

4.4.4 Contact Retaining Clip

Not applicable.

4.4.5 Guiding and Locking Devices

Not applicable.

4.4.6 Magnetism Level

Not applicable.

4.5 <u>MARKING</u>

4.5.1 General

The marking of all components delivered to this specification shall be in accordance with the requirements of ESCC Basic Specification No. 21700 and the following paragraphs. Each component shall be marked in respect of:

- (a) Contact Identification.
- (b) The ESCC Component Number.
- (c) Characteristics.
- (d) Traceability Information.

4.5.2 <u>Contact Identification</u>

Contact identification shall be marked in accordance with Figure 2(b).

4.5.3 The ESCC Component Number

Each component shall bear the ESCC Component Number which shall be constituted and marked as follows:

Example: 340106301B

- Detail Specification Number: 3401063
- Type Variant (see Table 1(a)): 01
- Testing Level: B

4.5.4 Characteristics

The characteristics to be marked in the following order of precedence, are:

- (a) Grounding (For Variant 02 only).
- (b) Lock ring.
- (c) Contact arrangement.
- (d) Type of contact (plug side).
- (e) Clocking Position.



The information shall be constituted and marked as follows:

Example: -19-32PA

• Grounding: -

Contact arrangement/Lock ring:19-32

• Type of contact (plug side): P

• Clocking position: A

4.5.4.1 Grounding

For Variant 02: Grounding shall be indicated by the letter 'G'. When grounding is not

required, the letter 'G' shall be omitted and replaced by a dash (-).

For Variants 01 and 03: Only a dash (-) is applicable.

4.5.4.2 Contact Arrangements/Lock Ring

The number of contacts shall be as shown in Figure 2(b) and contact arrangements shall be indicated by the codes specified hereafter:

TYPE VARIANTS 01 AND 03

| Code | Service Code Serv | | Service |
|-------|-------------------|-------|---------|
| | Rating | Ratin | |
| 09-35 | М | 17-08 | II |
| 09-98 | I | 17-99 | 1 |
| 11-35 | М | 19-35 | M |
| 11-98 | I | 19-32 | I |
| 11-01 | II | 19-11 | II |
| 11-05 | I | 21-35 | M |
| 11-04 | I | 21-41 | I |
| 13-35 | М | 21-16 | II |
| 13-98 | I | 21-11 | II |
| 13-08 | I | 21-39 | I |
| 13-26 | М | 23-35 | M |
| 13-4 | I | 23-53 | I |
| 15-35 | М | 23-21 | II |
| 15-19 | I | 25-35 | M |
| 15-05 | I | 25-61 | I |
| 15-97 | I | 25-19 | I |
| 15-18 | I | 25-29 | I |
| 17-35 | М | 25-43 | I |
| 17-26 | I | 25-24 | I |
| 17-06 | I | 25-46 | N |
| 17-28 | I | 25-03 | I |
| | | 25-07 | l |



TYPE VARIANT 02

| Code | Service | Code Service | |
|-------|---------|--------------|--------|
| | Rating | | Rating |
| 08-35 | М | 16-08 | ļļ. |
| 08-98 | I | 16-99 | I |
| 10-35 | М | 18-35 | M |
| 10-98 | I | 18-32 | I |
| 10-05 | I | 18-11 | II |
| 12-35 | М | 20-35 | M |
| 12-98 | I | 20-41 | I |
| 12-08 | I | 20-16 | II |
| 12-04 | I | 20-39 | I |
| 14-35 | М | 22-35 | M |
| 14-18 | I | 22-55 | I |
| 14-05 | II | 22-21 | II |
| 14-97 | I | 24-35 | M |
| 16-35 | М | 24-61 | I |
| 16-26 | I | 24-29 | I |
| 16-06 | I | 24-24 | I |

Lock ring shall be indicated by the letter 'L'. When a lock ring is not required, the letter 'L' shall be omitted and replaced by a dash (-).

4.5.4.3 Type of Contact

The contact type shall be indicated by the following code letters:

| Code Letter | Contact Type (Plug Side) |
|-------------|-----------------------------|
| Р | Male |
| S | Female |

4.5.4.4 Clocking Position

Clocking positions are as shown in Figure 2(c) and shall be designated by the following code letters: A, B, C, D and E. Code letter N indicates the standard clocking position.

4.5.5 <u>Traceability Information</u>

Traceability information shall be marked in accordance with the requirements of ESCC Basic Specification No. 21700.

4.5.6 Marking of Small Components

Where it is considered that a component is too small to accommodate the marking as specified above, as much as space permits shall be marked. The order of precedence shall be as specified in Para. 4.5.1. The marking information in full shall accompany each component in its primary package.

4.6 <u>ELECTRICAL MEASUREMENTS</u>

4.6.1 <u>Electrical Measurements at Room Temperature</u>

The parameters to be measured in respect of electrical characteristics are scheduled in Table 2. Unless otherwise specified, these measurements shall be performed at $T_{amb} = +22\pm3$ °C.



- 4.6.2 <u>Electrical Measurements at High and Low Temperatures (Table 3)</u> Not applicable.
- 4.6.3 <u>Circuit for Electrical Measurements (Figure 4)</u>
 Not applicable.
- 4.7 <u>BURN-IN AND ELECTRICAL MEASUREMENTS (TABLES 4 AND 5)</u> Not applicable.
- 4.8 <u>ENVIRONMENTAL AND ENDURANCE TESTS (TABLE 6)</u> Not applicable.

TABLE 2 - ELECTRICAL MEASUREMENTS AT ROOM TEMPERATURE

| No | Characteristics | Symbol | ESCC No. 3401 Test Method | Test Condition | Limits | | Unit |
|----|---|----------------|------------------------------|--|---------|------------------|------|
| | | | | | Min | Max | |
| 1 | Insulation Resistance | Ri | Para 9.1.1.1 | Para 9.1.1.1 | 10000 | - | ΜΩ |
| 2 | Voltage Proof Leakage Current Service II Service I Service M Service N | l _L | Para 9.1.1.2 | 2300Vrms 1800Vrms 1300Vrms 1000Vrms | | 2 2 2 2 | mA |
| 3 | Mated Shell Conductivity (1) (Voltage Drop) | Vd | Para. 9.1.1.4 | Para. 9.1.1.4 | Not app | olicable | mV |

<u>NOTES</u>

TABLES 3, 4, 5 AND 6

Not applicable.

^{1.} Applicable to mated connectors with grounding option.



<u>APPENDIX 'A'</u> AGREED DEVIATIONS FOR GLENAIR (UK)

| ITEMS AGREED | DESCRIPTIONS OF DEVIATIONS |
|--------------|---|
| Para. 4.2.2 | Para. 4.5.5 Marking of Traceability Information The Manufacturer may replace the manufacturing date code and lot identification marking with the Volume Production Batch, VPB, number. e.g. VPB 12345 |