

6.2 CONNECTORS (02)

6.2.1 Multipin, Solder Contacts

CONNECTORS, ELECTRICAL, SOLDER AND WIRE WRAP CONTACTS, RECTANGULAR RECEPTACLE AND PLUG, BASED ON TYPE D*M				71T
Procurement Specifications	Manufacturer	Nature of Approval	Supervising Authority	Initial Qualification Date
Generic ESCC 3401 Detail ESCC	C&K Components Dole France	Qualification	CNES	Feb 1981
		Remarks		
3401/001, 3401/004, 3401/022, 3401/040, 3401/072, 3401/080				
Qualified range:				
Shell Size:		E, A, B, C, D, F		
Range of Contacts:		9, 15, 25, 37 and 50 size 20 contacts for standard density layout 3W3 to 8W8, 5W1 to 47W1 combined contact arrangements 15, 26, 44, 62, 78 and 104 size 22 contacts for high density layout		
Mounting Type:		Blank: standard mounting holes; Y: floating mount; E: captive nuts		
Range of Connectors:		3401/001: Variants 01 & 02		
Range of Contacts:		3401/004: Variants 01 to 25; 3401/022: 01 to 59 and 65 to 97; 3401/040: 01 to 17; 3401/080: 01 3401/072: Variants 05 to 39, 46 to 65 and 72 to 153		
Termination type:		solder bucket, straight PCB, 90° PCB, wire wrap		
Coaxial contact arrangements:		3401/004 variants 01 to 25		
Power contact arrangements:		3401/040 variants 01 to 17		
Gold-plated non-magnetic coating				
Operating Temperature Range (°C): -55 to +125				

6.2.2 Multipin, Crimp Contacts

CONNECTORS, ELECTRICAL, CRIMP CONTACTS, RECTANGULAR RECEPTACLE AND PLUG, BASED ON TYPE D*MA				72T
Procurement Specifications	Manufacturer	Nature of Approval	Supervising Authority	Initial Qualification Date
Generic ESCC 3401 Detail ESCC	C&K Components Dole France	Qualification	CNES	Feb 1981
Remarks				
3401/002, 3401/005, 3401/020, 3401/021, 3401/097				
Qualified range: Complete range defined in the corresponding Detail Specifications are qualified. Shell size: E, A, B, C, D, F Range of Connectors: 3401/002: Variants 01 & 02 Range of Contacts: 3401/005: variants 01 to 08 3401/020: variants 01 & 02 3401/021: variants 01 & 02 9, 15, 25, 37 and 50 size 20* contacts for standard density layout 15, 26, 44, 62, 78 and 104 size 22** contacts for high density layout *Accepts wire sizes : -AWG # 20 to 24 (standard bucket: variants 01 and 02) per 3401/005 -AWG # 26 and 28 (reduced bucket: variants 03 and 04) per 3401/005 -AWG # 18 and 20 (large bucket: variants 05 to 06) per 3401/005 ** Accepts wire sizes AWG # 22 to 26 (standard bucket: variants 07 to 08) per 3401/005 Connecting pieces: 3401/097: variants 01 and 02 (only 4 way) Mounting Type: Blank: standard mounting holes; Y: floating mount; E: captive nuts Connector Savers: For usage with above connector range Gold-plated non-magnetic coating Operating Temperature Range (°C): -55 to +125				

6.2.5 Microminiature, Crimp Contacts

CONNECTORS, ELECTRICAL, RECTANGULAR, MICROMINIATURE, CRIMP CONTACT, BASED ON TYPE MDM				140S
Procurement Specifications	Manufacturer	Nature of Approval	Supervising Authority	Initial Qualification Date
Generic ESCC 3401	C&K COMPONENTS Dole France	Qualification	CNES	Oct 1986
Detail ESCC		Remarks 3401/029 termination types GMR7580 and CMR7590 are NOT qualified		
3401/029, 3401/041, 3401/032, 3401/087				
Qualified range: 3401/029: 01 and 02 3401/041: 01 to 07 3401/032: 03, 04, 07 to 21, 23 to 26 3401/087: 01 to 56 Layout: 9 - 15 - 21- 25 - 31 - 37 - 51 Contacts, Non removable crimp contacts Termination types: FR171, FR171M1 and FR171M2 AWG 25: Uninsulated rigid wire. Bent and straight PCB - Max rated: 2.5 A AWG 26: ESCC 390101302, ESCC 390100256, ESCC 390101203 - Max rated: 2.5 A AWG 28: ESCC 390101301, ESCC 390100261, ESCC 390101202 - Max rated: 1.5 A Solder bucket – Max rated 2.5 A Nickel or Gold Plated Shells Operating Temperature Range (°C): -55 to +125				

CONNECTORS, ELECTRICAL, MICROMINIATURE, CRIMP CONTACT, SINGLE-IN-LINE, BASED ON TYPE MTB				141S
Procurement Specifications	Manufacturer	Nature of Approval	Supervising Authority	Initial Qualification Date
Generic ESCC 3401	C&K COMPONENTS Dole France	Qualification	CNES	Oct 1986
Detail ESCC 3401/031		Remarks 3401/029 termination types GMR7580 and CMR7590 are NOT qualified		
Qualified range: 3401/031: 01 and 02				
Insulator sizes: 5 through 50 contacts,				
Termination types: AWG 25: Uninsulated rigid wire. Bent PCB - Max rated: 2.5 A AWG 26: ESCC 390101302 - Max rated: 2.5 A AWG 28: ESCC 390101301 - Max rated: 1.5 A Solder bucket – Max rated 2.5 A Non removable crimp contacts				
Operating Temperature Range (°C): -55 to +125				

CONNECTORS, ELECTRICAL, RECTANGULAR, MICROMINIATURE, REMOVABLE CRIMP CONTACT, BASED ON TYPE MDMA				290G
Procurement Specifications	Manufacturer	Nature of Approval	Supervising Authority	Initial Qualification Date
Generic ESCC 3401	C&K COMPONENTS Dole France	Qualification	CNES	Jun 2009
Detail ESCC 3401/077 3401/078		Remarks		
Qualified range: All variants are qualified				
Range of Contacts: 9, 15, 21, 25, 31, 37, 51				
Accepts wires AWG 24, AWG 26, AWG 28 and 2xAWG 28 in crimping barrel AWG 24				
Accepts wires AWG 26 and 28 in crimping barrel AWG 26				
Max. rating for 1 isolated contact:				
AWG 24 wire: 3.5 A				
AWG 26 wire and uninsulated AWG 25 solid wire: 2.5 A				
AWG 28 wire: 1.5 A				
Working Voltage (Max.) 150Vrms				
Nickel or Gold Plated Shells				
Operating Temperature Range (°C): -55 to +125				