

CONNECTORS, ELECTRICAL, SOLDER AND WIRE WRAP CONTACTS, NON-REMOVABLE, RECTANGULAR RECEPTACLE AND PLUG, BASED ON TYPE D*M				155P
Procurement Specifications	Manufacturer	Nature of Approval	Supervising Authority	Initial Qualification Date
Generic ESCC 3401 Detail ESCC	SOURIAU Connection Technology Marolles en Brie France	Qualification	CNES	Sep 1988
		Remarks		
3401/001 , 3401/022 , 3401/072 , 3401/004 , 3401/040				
Qualified range: Complete range as defined in the Detail Specifications are qualified except for: • high density 104 contacts arrangement • coaxial and power contacts and arrangement Range of Connectors: 3401/001: variants 01 to 02 Range of Contacts: Size 20 : 9, 15, 25, 37 and 50 contacts, Size 22: 15, 26, 44, 62, 78 contacts 3401/022: variants 01 to 16 & 44 to 57 & 65 to 80 3401/072: variants 01 to 65 3401/004: variants 01 to 20 3401/040: variants 01 to 12 Mounting Type: blank: standard mounting holes; Y: floating mount; E: captive nuts Gold-plated non-magnetic coating Operating Temperature Range (°C): -55 to +125				

CONNECTORS AND CONNECTOR SAVER, ELECTRICAL, CRIMP CONTACTS, REMOVABLE RECTANGULAR RECEPTACLE AND PLUG, BASED ON TYPE D*MA,				156N
Procurement Specifications	Manufacturer	Nature of Approval	Supervising Authority	Initial Qualification Date
Generic ESCC 3401 Detail ESCC	SOURIAU Connection Technology Marolles en Brie France	Qualification	CNES	Sep 1988
		Remarks		
3401/002, 3401/005, 3401/020, 3401/021, 3401/022, 3401/072				
Qualified range: Complete range as defined in the Detail Specifications are qualified except for high density 104 contacts arrangement Accessories variants qualified: 3401/022: variants 01 to 16 & 44 to 57 & 65 to 80 3401/072: variants 01 to 65 Range of Connectors: 3401/002: variants 01 and 02 3401/005: variants 01 to 08 3401/021 & 022: variants 01 and 02 Range of contacts: 9, 15, 25, 37 and 50 contacts size 20 for standard contact arrangements 15, 26, 44, 62, 78 contacts size 22 for high density contact arrangements - Accepts wire sizes AWG # 20 to 24 (standard bucket: variants 01 and 02) - Accepts wire sizes AWG # 26 and 28 (reduced bucket: variants 03 and 04) - Accepts wire size AWG# 18 and 20 (large bucket: variants 05 and 06) - Accepts wire size AWG # 22, 24 and 26 (contact AWG # 22 for high density, contact arrangements, variants 07 and 08) Connector Savers: For usage with connector range defined above Gold-plated non-magnetic coating Operating Temperature Range (°C): -55 to +125				

CONNECTORS, ELECTRICAL, CIRCULAR, BAYONET COUPLING, SCOOP-PROOF, REMOVABLE CRIMP CONTACTS, BASED ON TYPE MIL-C-38999, SERIES				220K														
Procurement Specifications	Manufacturer	Nature of Approval	Supervising Authority	Initial Qualification Date														
Generic ESCC 3401 Detail ESCC	SOURIAU Connection Technology Marolles en Brie France	Qualification	CNES	May 1995														
		Remarks																
3401/052, 3401/058, 3401/062																		
Qualified range: All connector variants are qualified For 3401/058, variants 01 to 14 are qualified For 3401/062, variants 01 to 27 are qualified # 20 with standard contact arrangements 3, 6, 10, 19, 26, 32, 41, 53, 61 # 22 with high density arrangements 6, 13, 22, 37, 55, 66, 79, 100, 128 <table><tr><th>Contact size</th><th>Ratings (A)</th></tr><tr><td>4</td><td>80</td></tr><tr><td>8</td><td>46.0</td></tr><tr><td>12</td><td>23.0</td></tr><tr><td>16</td><td>13.0</td></tr><tr><td>20</td><td>7.5</td></tr><tr><td>22</td><td>5.0</td></tr></table> Other arrangements with contact sizes: 20, 16, 12, 8 Receptacle and Plug Shell Sizes: 09, 11, 13, 15, 17, 19, 21, 23, 25 Operating Temperature Range (°C): -65 to +200					Contact size	Ratings (A)	4	80	8	46.0	12	23.0	16	13.0	20	7.5	22	5.0
Contact size	Ratings (A)																	
4	80																	
8	46.0																	
12	23.0																	
16	13.0																	
20	7.5																	
22	5.0																	

CONNECTORS, ELECTRICAL, CIRCULAR, BAYONET COUPLING, REMOVABLE CRIMP CONTACTS, BASED ON TYPE MIL-C-38999, SERIES II				221K										
Procurement Specifications	Manufacturer	Nature of Approval	Supervising Authority	Initial Qualification Date										
Generic ESCC 3401 Detail ESCC	SOURIAU Connection Technology Marolles en Brie France	Qualification	CNES	May 1995										
		Remarks												
3401/044, 3401/045, 3401/062														
Qualified range: For 3401/044, all variants are qualified For 3401/045, variants 01 to 08 are qualified For 3401/062, variants 01 to 27 are qualified <table><tr><th>Contact size</th><th>Ratings (A)</th></tr><tr><td>12</td><td>23.0</td></tr><tr><td>16</td><td>13.0</td></tr><tr><td>20</td><td>7.5</td></tr><tr><td>22</td><td>5.0</td></tr></table> # 20 with standard contact arrangements 3, 6, 10, 18, 26, 32, 41, 55, 61 # 22 with high density arrangements 6, 13, 22, 37, 55, 66, 79, 100, 128 Other arrangements with contact sizes: 20, 16, 12 Receptacle and Plug Shell Sizes: 08, 10, 12, 14, 16, 18, 20, 22, 24 Operating Temperature Range (°C): -65 to +200					Contact size	Ratings (A)	12	23.0	16	13.0	20	7.5	22	5.0
Contact size	Ratings (A)													
12	23.0													
16	13.0													
20	7.5													
22	5.0													

CONNECTORS, MINIATURE, ELECTRICAL, CIRCULAR, TRIPLE-START SELF- LOCKING COUPLING, SCOOP-PROOF, REMOVABLE AND NON- REMOVABLE CRIMP CONTACTS BASED ON TYPE MIL-C-38999, SERIES III				222K																												
Procurement Specifications	Manufacturer	Nature of Approval	Supervising Authority	Initial Qualification Date																												
Generic ESCC 3401 Detail ESCC	SOURIAU Connection Technology Marolles en Brie France	Qualification	CNES	May 1995																												
		Remarks																														
3401/056, 3401/058, 3401/062, 3401/066, 3401/070																																
Qualified range: 3401/056, all variants are qualified 3401/058, variants 01 to 14 are qualified 3401/062, variants 28 to 54 are qualified 3401/066, variants 01 and 02 are qualified 3401/058 crimp contacts and 3401/066 triax contacts to be mounted on 3401/056 connectors 3401/070 connector receptacles with PCB contacts																																
<table><tr><td>Crimp contact size</td><td>Ratings (A)</td><td>PCB contact size</td><td>Ratings (A)</td></tr><tr><td>4</td><td>80.0</td><td></td><td></td></tr><tr><td>8</td><td>46.0</td><td>16</td><td>10.0</td></tr><tr><td>12</td><td>23.0</td><td>20</td><td>5.0</td></tr><tr><td>16</td><td>13.0</td><td>22</td><td>3.0</td></tr><tr><td>20</td><td>7.5</td><td></td><td></td></tr><tr><td>22</td><td>5.0</td><td></td><td></td></tr></table>					Crimp contact size	Ratings (A)	PCB contact size	Ratings (A)	4	80.0			8	46.0	16	10.0	12	23.0	20	5.0	16	13.0	22	3.0	20	7.5			22	5.0		
Crimp contact size	Ratings (A)	PCB contact size	Ratings (A)																													
4	80.0																															
8	46.0	16	10.0																													
12	23.0	20	5.0																													
16	13.0	22	3.0																													
20	7.5																															
22	5.0																															
#20 with standard contact arrangements (3, 4, 5, 6, 7, 8, 10, 18, 19, 26, 32, 41, 53, 55, 61 contacts) #22 with high density arrangements (6, 13, 22, 37, 55, 66, 79, 100, 128 contacts)																																
Other arrangements with contact sizes:# 20, 16, 12, 8 ,4																																
Receptacle and Plug Shell Sizes: 09, 11, 13, 15, 17, 19, 21, 23, 25. Triax contacts																																
Operating Temperature Range (°C): -65 to +200																																

CONNECTORS, MINIATURE, ELECTRICAL, CIRCULAR, TRIPLE- START SELF- LOCKING COUPLING, SCOOP-PROOF, HERMETIC RECEPTACLE AND FEEDTHROUGH BASED ON TYPE MIL-C-38999, SERIES III				223J												
Procurement Specifications	Manufacturer	Nature of Approval	Supervising Authority	Initial Qualification Date												
Generic ESCC 3401 Detail ESCC 3401/057	SOURIAU Connection Technology Marolles en Brie France	Qualification	CNES	May 1995												
Remarks																
Qualified range: All variants are qualified. <table><tr><th>Contact size</th><th>Ratings (A)</th></tr><tr><td>8</td><td>33</td></tr><tr><td>12</td><td>17</td></tr><tr><td>16</td><td>10</td></tr><tr><td>20</td><td>5.0</td></tr><tr><td>22D</td><td>3.0</td></tr></table> # 20 with standard contact arrangements (3, 6, 10, 19, 26, 32, 41, 53, 61 contacts) # 22 with high density arrangements (6, 13, 22, 37, 55, 66, 79, 100, 128 contacts) Receptacle Shell Sizes: 09, 11, 13, 15, 17, 19, 21, 23, 25 Receptacle (contacts # 8, 12, 16, 20, 22D) and Feedthrough (contacts # 8, 12, 16, 20, 22D) Operating Temperature Range (°C): -65 to +200					Contact size	Ratings (A)	8	33	12	17	16	10	20	5.0	22D	3.0
Contact size	Ratings (A)															
8	33															
12	17															
16	10															
20	5.0															
22D	3.0															

CONNECTORS, ELECTRICAL, RECTANGULAR, MICROMINIATURE, REMOVABLE AND NON- REMOVABLE, GAUGE 26, PCB PIN CONTACT, BASED ON TYPE 8MCG				301E
Procurement Specifications	Manufacturer	Nature of Approval	Supervising Authority	Initial Qualification Date
Generic ESCC 3401	SOURIAU CONNECTION TECHNOLOGY Marolles en Brie France	Qualification	CNES	Jun 2010
Detail ESCC		Remarks		
3401/081 , 3401/082 , 3401/083 , 3401/084 , 3401/088				
Qualified range:				
3401/081: Shell variant 01 (glass-fibre reinforced thermoplastic), variant 02 (aluminium alloy). Contacts arrangements: 7, 13, 25, 51, 104 contacts. Contacts termination: OL3 (straight PCB), 1A7N (900 PCB 2.54mm spacing), 1B7N (900 PCB 2.54mm spacing). Gold-plated shells.				
3401/082: Shell variant 01 (glass-fibre reinforced thermoplastic), variant 02 (aluminium alloy). Contacts arrangements: 7, 13, 25, 51, 104 contacts.				
3401/083: Contacts variant 01 (male crimp barrel 26), 02 (female crimp barrel 26), 03 (male crimp barrel 24), 04 (female crimp barrel 24). Accepts wires AWG 24, 26, 28				
3401/084: Accessories variants 01 to 62.				
3401/088: Shell variant 01 (glass-fibre reinforced thermoplastic), variant 02 (aluminium alloy). Contacts arrangements: 7, 13, 25, 51, 104 contacts.				
Operating Temperature Range (°C): -55 to +125				