

| CONNECTORS, ELECTRICAL, SOLDER AND WIRE WRAP CONTACTS, NON-REMOVABLE, RECTANGULAR RECEPTACLE AND PLUG, BASED ON TYPE D*M | | | | 155N |
|---|---|--------------------|-----------------------|----------------------------|
| Procurement Specifications | Manufacturer | Nature of Approval | Supervising Authority | Initial Qualification Date |
| Generic ESCC 3401 | SOURIAU Connection Technology Marolles en Brie France | Qualification | CNES | Sep 1988 |
| Detail ESCC | | Remarks | | |
| 3401/001, 3401/022, 3401/072 | | | | |
| <p>Qualified range:</p> <p>Complete range as defined in the Detail Specifications are qualified except for:</p> <ul style="list-style-type: none"> • high density 104 contacts arrangement • coaxial and power contacts and arrangement <p>Range of Connectors: 3401/001: variants 01 to 02</p> <p>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</p> <p>Mounting Type: blank: standard mounting holes; Y: floating mount; E: captive nuts</p> <p>Gold-plated non-magnetic coating</p> <p>Operating Temperature Range (°C): -55 to +125</p> | | | | |

| CONNECTORS, ELECTRICAL, CIRCULAR, BAYONET COUPLING, SCOOP-PROOF, REMOVABLE CRIMP CONTACTS, BASED ON TYPE MIL-C-38999, SERIES | | | | 220J | | | | | | | | | | | | | | |
|--|---|--------------------|-----------------------|----------------------------|--------------|-------------|---|----|---|------|----|------|----|------|----|-----|----|-----|
| Procurement Specifications | Manufacturer | Nature of Approval | Supervising Authority | Initial Qualification Date | | | | | | | | | | | | | | |
| Generic ESCC 3401 | SOURIAU Connection Technology Marolles en Brie France | Qualification | CNES | May 1995 | | | | | | | | | | | | | | |
| Detail ESCC | | Remarks | | | | | | | | | | | | | | | | |
| 3401/052, 3401/058, 3401/062 | | | | | | | | | | | | | | | | | | |
| <p>Qualified range:</p> <p>All connector variants are qualified For 3401/058, variants 01 to 14 are qualified For 3401/062, variants 01 to 27 are qualified</p> <p># 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</p> <table border="1" data-bbox="555 1167 956 1395"> <thead> <tr> <th>Contact size</th> <th>Ratings (A)</th> </tr> </thead> <tbody> <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> </tbody> </table> <p>Other arrangements with contact sizes: 20, 16, 12, 8</p> <p>Receptacle and Plug Shell Sizes: 09, 11, 13, 15, 17, 19, 21, 23, 25</p> <p>Operating Temperature Range (°C): -65 to +200</p> | | | | | 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 | | | | 221J | | | | | | | | | | |
|---|---|--------------------|-----------------------|----------------------------|--------------|-------------|----|------|----|------|----|-----|----|-----|
| Procurement Specifications | Manufacturer | Nature of Approval | Supervising Authority | Initial Qualification Date | | | | | | | | | | |
| Generic ESCC 3401 | SOURIAU Connection Technology Marolles en Brie France | Qualification | CNES | May 1995 | | | | | | | | | | |
| Detail ESCC | | Remarks | | | | | | | | | | | | |
| 3401/044, 3401/045, 3401/062 | | | | | | | | | | | | | | |
| <p>Qualified range:</p> <p>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</p> <table border="1"> <thead> <tr> <th>Contact size</th> <th>Ratings (A)</th> </tr> </thead> <tbody> <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> </tbody> </table> <p># 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</p> <p>Other arrangements with contact sizes: 20, 16, 12</p> <p>Receptacle and Plug Shell Sizes: 08, 10, 12, 14, 16, 18, 20, 22, 24</p> <p>Operating Temperature Range (°C): -65 to +200</p> | | | | | 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 | | | | 222J | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|--------------------|-----------------------|----------------------------|--------------------|-------------|------------------|-------------|---|------|--|--|---|------|----|------|----|------|----|-----|----|------|----|-----|----|-----|--|--|----|-----|--|--|
| 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Qualified range:</p> <p>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</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Crimp contact size</th> <th>Ratings (A)</th> <th>PCB contact size</th> <th>Ratings (A)</th> </tr> </thead> <tbody> <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> </tbody> </table> <p>#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)</p> <p>Other arrangements with contact sizes:# 20, 16, 12, 8 ,4</p> <p>Receptacle and Plug Shell Sizes: 09, 11, 13, 15, 17, 19, 21, 23, 25. Triax contacts</p> <p>Operating Temperature Range (°C): -65 to +200</p> | | | | | 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| CONNECTORS, MINIATURE, ELECTRICAL, CIRCULAR, TRIPLE-START SELF- LOCKING COUPLING, SCOOP-PROOF, HERMETIC RECEPTACLE AND FEEDTHROUGH BASED ON TYPE MIL-C-38999, SERIES III | | | | 223H | | | | | | | | | | | | |
|---|---|--------------------|-----------------------|----------------------------|--------------|-------------|---|----|----|----|----|----|----|-----|-----|-----|
| Procurement Specifications | Manufacturer | Nature of Approval | Supervising Authority | Initial Qualification Date | | | | | | | | | | | | |
| Generic ESCC 3401 | SOURIAU Connection Technology Marolles en Brie France | Qualification | CNES | May 1995 | | | | | | | | | | | | |
| Detail ESCC 3401/057 | | Remarks | | | | | | | | | | | | | | |
| <p>Qualified range:</p> <p>All variants are qualified.</p> <table border="1" data-bbox="555 958 956 1153"> <thead> <tr> <th>Contact size</th> <th>Ratings (A)</th> </tr> </thead> <tbody> <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> </tbody> </table> <p># 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)</p> <p>Receptacle Shell Sizes: 09, 11, 13, 15, 17, 19, 21, 23, 25</p> <p>Receptacle (contacts # 8, 12, 16, 20, 22D) and Feedthrough (contacts # 8, 12, 16, 20, 22D)</p> <p>Operating Temperature Range (°C): -65 to +200</p> | | | | | 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 | | | | 301D |
|--|---|--------------------|-----------------------|----------------------------|
| 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 | | | | |
| <p>Qualified range:</p> <p>3401/081: Shell variant 01 (glass-fibre reinforced thermoplastic), variant 02 (aluminium alloy).</p> <p>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.</p> <p>3401/082: Shell variant 01 (glass-fibre reinforced thermoplastic), variant 02 (aluminium alloy).</p> <p>Contacts arrangements: 7, 13, 25, 51, 104 contacts.</p> <p>3401/083: Contacts variant 01 (male crimp barrel 26), 02 (female crimp barrel 26), 03 (male crimp barrel 24), 04 (female crimp barrel 24).</p> <p>Accepts wires AWG 24, 26, 28</p> <p>3401/084: Accessories variants 01 to 62.</p> <p>Operating Temperature Range (°C): -55 to +125</p> | | | | |