



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

**CHARACTERISTICS**

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Aluminium
- Shell Plating : Nickel
- Insulator : Thermoplastic
- Contacts : Copper Alloy
- Seals & Grommet : Silicon Elastomer
- Contact Plating : Gold over copper Alloy 0.8µm minimum
- Durability : 500 Mating cycles
- Delivered with Souriau contacts and Accessories
- Temperature Range : -65°C to +200°C
- Salt Spray : 48 hours
- Mass : 73.03 g ± 10%

| Connector dimension |                |
|---------------------|----------------|
| Dim                 | Nominal        |
| A                   | 52.4±0.3       |
| B                   | 36.5+0.1/-0.15 |
| R                   | 32.5Max        |
| S                   | 49.2±0.4       |
| W                   | 3+0.9/-0.1     |
| VV THREAD           | M31x1-6g       |

SOURIAU shall not be liable for any non-conformity or damage due to a use of the Products which does not comply with the Specifications issued by either of the Parties or by a third party (professional recommendation, technical notice.)

|         |                             |
|---------|-----------------------------|
| Country | Jurisdiction & Control List |
| FR      | Not Listed                  |

**PN: 8D721F11BA**

|                     |            |                                       |                               |
|---------------------|------------|---------------------------------------|-------------------------------|
| A                   | 08-11-2016 | First Release                         |                               |
| ISS                 | DATE       | Latest modification - by              | MOD N°                        |
| Designed By:        |            | Date:                                 | <b>CUSTOMER DRAWING</b>       |
| <b>TITLE</b>        |            | Aluminium Receptacle 8D series        |                               |
| SCALE               | NA         | General linear Tolerances: ±--        | NPRDS / PROJECT<br><b>859</b> |
| <b>SOURIAU</b>      |            | WWW.SOURIAU.COM                       |                               |
| FORMAT<br><b>A3</b> |            | SOURIAU DRG N°<br><b>8D721F11BA-C</b> |                               |
|                     |            | SHEET<br>1/2                          |                               |

|                |                        |   |   |    |   |    |                                    |   |
|----------------|------------------------|---|---|----|---|----|------------------------------------|---|
| BASIC SERIES:  | 8D                     | 7 | - | 21 | F | 11 | B                                  | A |
| SHELL TYPE :   | Jam nut Receptacle     |   |   |    |   |    |                                    |   |
| CONTACT TYPE : | Standard Crimp Contact |   |   |    |   |    |                                    |   |
| SHELL SIZE :   | 21                     |   |   |    |   |    |                                    |   |
| PLATING :      | F = Nickel             |   |   |    |   |    |                                    |   |
|                |                        |   |   |    |   |    | ORIENTATION : A                    |   |
|                |                        |   |   |    |   |    | CONTACT TYPE : SOCKET(500 Matings) |   |
|                |                        |   |   |    |   |    | CONTACT LAYOUT : 21-11             |   |

Contact Layout



| Contacts<br>(Insert arrangement 21-11) |             |             |                     |             |             |
|--|-------------|-------------|---------------------|-------------|-------------|
| Contact position ID                    | Location    |             | Contact position ID | Location    |             |
|  | X-axis (mm) | Y-axis (mm) |                     | X-axis (mm) | Y-axis (mm) |
| A                                      | +121 (3.07) | +332 (8.43) | G                   | -348 (8.84) | -061 (1.55) |
| B                                      | +306 (7.77) | +177 (4.50) | H                   | -306 (7.77) | +177 (4.50) |
| C                                      | +348 (8.84) | -061 (1.55) | J                   | -121 (3.07) | +332 (8.43) |
| D                                      | +227 (5.77) | -270 (6.86) | K                   | +000 (0.00) | +123 (3.12) |
| E                                      | +000 (0.00) | -353 (8.97) | L                   | +000 (0.00) | -115 (2.92) |
| F                                      | -227 (5.77) | -270 (6.86) | ---                 | ---         | ---         |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|------------------|------------|
| 21         | -11             | 11                 | 12            | I              | All              | MS20055-11 |

Panel cutout

JAM NUT RECEPTACLE (TYPE 7)



Max. thickness panel for receptacle: Type 7: 3.2 mm

| Dim | Nominal       |
|-----|---------------|
| B   | 37.08+0/-0.25 |
| ØC  | 38.35+0.25/-0 |

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| NA             |                                    | ±--                        | <b>859</b>  |
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| FORMAT         | <b>SOURIAU DRG N° 8D721F11BA-C</b> |                            | SHEET 2/2   |