



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 : 30.63 g ± 10%

| Connector dimension |                 |
|---------------------|-----------------|
| Dim                 | Nominal         |
| A                   | 41.3±0.3        |
| B                   | 26.97+0.1/-0.15 |
| R                   | 32.5Max         |
| S                   | 38.1±0.4        |
| W                   | 2.2+0.9/-0.1    |
| VV THREAD           | M22x1-6g        |

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: 8D715F18PB**

|              |            |                          |                         |
|--------------|------------|--------------------------|-------------------------|
| A            | 08-11-2016 | First Release            |                         |
| ISS          | DATE       | Latest modification - by | MOD N°                  |
| Designed By: |            | Date:                    | <b>CUSTOMER DRAWING</b> |

|                |                        |   |   |    |   |    |   |   |                                 |
|----------------|------------------------|---|---|----|---|----|---|---|---------------------------------|
| BASIC SERIES:  | 8D                     | 7 | - | 15 | F | 18 | P | B | ORIENTATION : B                 |
| SHELL TYPE :   | Jam nut Receptacle     |   |   |    |   |    |   |   | CONTACT TYPE : PIN(500 Matings) |
| CONTACT TYPE : | Standard Crimp Contact |   |   |    |   |    |   |   | CONTACT LAYOUT : 15-18          |
| SHELL SIZE :   | 15                     |   |   |    |   |    |   |   |                                 |
| PLATING :      | F = Nickel             |   |   |    |   |    |   |   |                                 |

|                |                                |                                |   |
|----------------|--------------------------------|--------------------------------|---|
| <b>TITLE</b>   | Aluminium Receptacle 8D series |                                |   |
| SCALE          | NA                             | General linear Tolerances: ±-- | NPRDS / PROJECT <b>859</b>  |
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| FORMAT         | <b>A3</b>                      |                                | SOURIAU DRG N° <b>8D715F18PB-C</b> SHEET <b>1/2</b>   |

Contact Layout



| Contacts<br>(Insert arrangement 15-18) |             |             |                     |             |             |
|--|-------------|-------------|---------------------|-------------|-------------|
| Contact position ID                    | Location    |             | Contact position ID | Location    |             |
|  | X-axis (mm) | Y-axis (mm) |                     | X-axis (mm) | Y-axis (mm) |
| A                                      | +065 (1.65) | +252 (6.40) | K                   | -195 (4.95) | +113 (2.87) |
| B                                      | +195 (4.95) | +113 (2.87) | L                   | -065 (1.65) | +252 (6.40) |
| C                                      | +260 (6.60) | +000 (0.00) | M                   | -065 (1.65) | +113 (2.87) |
| D                                      | +195 (4.95) | -113 (2.87) | N                   | +065 (1.65) | +113 (2.87) |
| E                                      | +130 (3.30) | -225 (5.72) | P                   | +130 (3.30) | +000 (0.00) |
| F                                      | +000 (0.00) | -225 (5.72) | R                   | +065 (1.65) | -113 (2.87) |
| G                                      | -130 (3.30) | -225 (5.72) | S                   | -065 (1.65) | -113 (2.87) |
| H                                      | -195 (4.95) | -113 (2.87) | T                   | -130 (3.30) | +000 (0.00) |
| J                                      | -260 (6.60) | +000 (0.00) | U                   | +000 (0.00) | +000 (0.00) |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|------------------|------------|
| 15         | -18             | 18                 | 20            | I              | All              | MS20052-18 |

Panel cutout

JAM NUT RECEPTACLE (TYPE 7)



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

| Dim | Nominal       |
|-----|---------------|
| B   | 27.56+0/-0.25 |
| ØC  | 28.83+0.25/-0 |

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| <b>TITLE</b>   | Aluminium Receptacle 8D series     |                            |   |
| SCALE          |                                    | General linear Tolerances: | NPRDS / PROJECT   |
| NA             |                                    | ±--                        | <b>859</b>  |
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| FORMAT         | <b>SOURIAU DRG N° 8D715F18PB-C</b> |                            | SHEET 2/2   |