



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

**CHARACTERISTICS**

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Aluminium
- Shell Plating : Olive drab Cadmium
- Insulator : Thermoplastic
- Contacts : Copper Alloy
- Seals & Grommet : Silicon Elastomer
- Contact Plating : Gold over copper Alloy 0.8µm minimum
- Durability : 500 Mating cycles
- Delivered without Souriau contacts
- Temperature Range : -65°C to +175°C
- Salt Spray : 500 hours
- Mass : 28.07 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: 8D715W05PAL**

|                |                                       |                                |   |
|----------------|---------------------------------------|--------------------------------|---|
| A              | 08-11-2016                            | First Release                  |   |
| ISS            | DATE                                  | Latest modification - by       | MOD N°  |
| Designed By:   |                                       | Date:                          | <b>CUSTOMER DRAWING</b>   |
| <b>TITLE</b>   | <b>Aluminium Receptacle 8D series</b> |                                |   |
| SCALE          | NA                                    | General linear Tolerances: ±-- | NPRDS / PROJECT<br><b>859</b>   |
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| FORMAT         | <b>A3</b>                             |                                | <b>SOURIAU DRG N° 8D715W05PAL-C</b><br>SHEET 1/2  |

|                |                        |   |   |    |   |    |   |   |   |                                 |
|----------------|------------------------|---|---|----|---|----|---|---|---|---------------------------------|
| BASIC SERIES:  | 8D                     | 7 | - | 15 | W | 05 | P | A | L | Delivered W/O Contacts          |
| SHELL TYPE :   | Jam nut Receptacle     |   |   |    |   |    |   |   |   | ORIENTATION : A                 |
| CONTACT TYPE : | Standard Crimp Contact |   |   |    |   |    |   |   |   | CONTACT TYPE : PIN(500 Matings) |
| SHELL SIZE :   | 15                     |   |   |    |   |    |   |   |   | CONTACT LAYOUT : 15-05          |
| PLATING :      | W = Olive drab Cadmium |   |   |    |   |    |   |   |   |                                 |

Contact Layout



| Contacts<br>(Insert arrangement 15-5) |             |             |
|---------------------------------------|-------------|-------------|
| Contact position ID                   | Location    |             |
|                                       | X-axis (mm) | Y-axis (mm) |
| A                                     | +000 (0.00) | +100 (2.54) |
| B                                     | +174 (4.42) | +024 (0.61) |
| C                                     | +094 (2.39) | -148 (3.76) |
| D                                     | -094 (2.39) | -148 (3.76) |
| E                                     | -174 (4.42) | +024 (0.61) |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|------------------|------------|
| 15         | -5              | 5                  | 16            | II             | All              | MS20052-5  |

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      |                            |   |
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| NA             |                                     | ±--                        | <b>859</b>  |
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| FORMAT         | <b>SOURIAU DRG N° 8D715W05PAL-C</b> |                            | SHEET<br>2/2  |