



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 : 37.14 g ± 10%

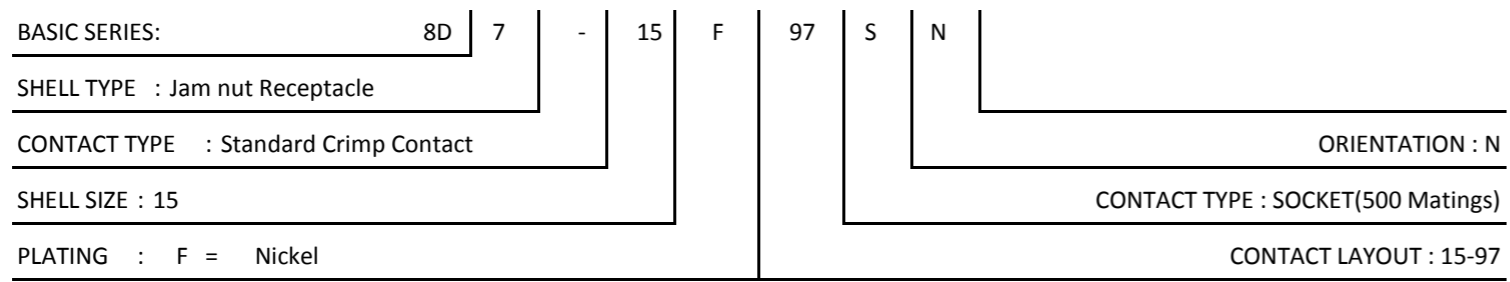
| Connector dimension |                 |
|---------------------|-----------------|
| Dim                 | Nominal         |
| A                   | 41.3±0.3        |
| B                   | 26.97+0.1/-0.15 |
| R                   | 32.5Max         |
| S                   | 38.1±0.4        |
| W                   | 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: 8D715F97SN**

|                |                                       |                                |   |
|----------------|---------------------------------------|--------------------------------|---|
| 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          |                                       | General linear Tolerances: ±-- | NPRDS / PROJECT<br><b>859</b>   |
| NA             |                                       |                                |   |
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| FORMAT         | <b>SOURIAU DRG N° 8D715F97SN-C</b>    |                                | SHEET<br>1/2  |



Contacts Layout



| Contact position ID | Location    |             | Contact position ID | Location    |             |
|---------------------|-------------|-------------|---------------------|-------------|-------------|
|                     | X-axis (mm) | Y-axis (mm) |                     | X-axis (mm) | Y-axis (mm) |
| A                   | +065 (1.65) | +234 (5.94) | G                   | -207 (5.26) | -095 (2.41) |
| B                   | +178 (4.52) | +178 (4.52) | H                   | -234 (5.94) | +065 (1.65) |
| C                   | +230 (5.84) | -023 (0.58) | J                   | -178 (4.52) | +178 (4.52) |
| D                   | +178 (4.52) | -178 (4.52) | K                   | -065 (1.65) | +234 (5.94) |
| E                   | +065 (1.65) | -234 (5.94) | L                   | -047 (1.19) | +081 (2.06) |
| F                   | -089 (2.26) | -235 (5.97) | M                   | +047 (1.19) | -081 (2.06) |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location         | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|--------------------------|------------|
| 15         | -97             | 4<br>8             | 16<br>20      | I              | C, G, L, M<br>All others | MS20052-97 |

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° 8D715F97SN-C</b> |                            | SHEET 2/2   |