



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

**CHARACTERISTICS**

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Stainless Steel
- 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 : 500 hours

| Connector dimension |                 |
|---------------------|-----------------|
| Dim                 | Nominal         |
| A                   | 44.5±0.3        |
| B                   | 30.15+0.1/-0.15 |
| R                   | 32.5Max         |
| S                   | 41.3±0.4        |
| W                   | 2.2+0.9/-0.1    |
| VV THREAD           | M25x1-6g        |

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: 8D717S99SN**

|              |            |                          |                         |
|--------------|------------|--------------------------|-------------------------|
| A            | 30-09-2016 | First Release            |                         |
| ISS          | DATE       | Latest modification - by | MOD N°                  |
| Designed By: |            | Date:                    | <b>CUSTOMER DRAWING</b> |

|              |                                      |                                |                               |
|--------------|--------------------------------------|--------------------------------|-------------------------------|
| <b>TITLE</b> | Stainless Steel Receptacle 8D series |                                |                               |
| SCALE        | NA                                   | General linear Tolerances: ±-- | NPRDS / PROJECT<br><b>859</b> |

|                |                        |   |
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|---------------------|--|--------------|
| FORMAT<br><b>A3</b> | <b>SOURIAU DRG N°<br/>8D717S99SN-C</b> | SHEET<br>1/2 |
|---------------------|--|--------------|

|               |                                    |   |   |    |   |    |   |   |                 |
|---------------|------------------------------------|---|---|----|---|----|---|---|-----------------|
| BASIC SERIES: | 8D                                 | 7 | - | 17 | S | 99 | S | N | ORIENTATION : N |
| SHELL TYPE    | : Jam nut Receptacle               |   |   |    |   |    |   |   |                 |
| CONTACT TYPE  | : Standard Crimp Contact           |   |   |    |   |    |   |   |                 |
| SHELL SIZE    | : 17                               |   |   |    |   |    |   |   |                 |
| PLATING       | : S = Nickel                       |   |   |    |   |    |   |   |                 |
|               | CONTACT TYPE : SOCKET(500 Matings) |   |   |    |   |    |   |   |                 |
|               | CONTACT LAYOUT : 17-99             |   |   |    |   |    |   |   |                 |

Contact Layout



| Contacts<br>(Insert arrangement 17-99) |                  |              |                     |                  |              |
|--|------------------|--------------|---------------------|------------------|--------------|
| Contact position ID                    | Contact location |              | Contact position ID | Contact location |              |
|  | X-axis (mm)      | Y-axis (mm)  |                     | X-axis (mm)      | Y-axis (mm)  |
| A                                      | .000 (0.00)      | +321 (8.15)  | N                   | -.305 (7.75)     | +.099 (2.51) |
| B                                      | +.131 (3.33)     | +.293 (7.44) | P                   | -.239 (6.07)     | +.214 (5.44) |
| C                                      | +.239 (6.07)     | +.214 (5.44) | R                   | -.131 (3.33)     | +.293 (7.44) |
| D                                      | -.305 (7.75)     | -.099 (2.51) | Q                   | -.070 (1.78)     | -.177 (4.50) |
| E                                      | +.319 (8.10)     | -.034 (0.86) | T                   | +.070 (1.78)     | +.177 (4.50) |
| F                                      | +.278 (7.06)     | -.161 (4.09) | U                   | +.175 (4.45)     | +.094 (2.39) |
| G                                      | +.189 (4.80)     | -.260 (6.60) | V                   | +.150 (3.81)     | -.075 (1.91) |
| H                                      | +.067 (1.70)     | -.314 (7.98) | W                   | +.000 (0.00)     | -.161 (4.09) |
| J                                      | -.067 (1.70)     | -.314 (7.98) | X                   | -.150 (3.81)     | -.075 (1.91) |
| K                                      | -.189 (4.80)     | -.260 (6.60) | Y                   | -.175 (4.45)     | +.094 (2.39) |
| L                                      | -.278 (7.06)     | -.161 (4.09) | Z                   | +.000 (0.00)     | +.025 (0.64) |
| M                                      | -.319 (8.10)     | -.034 (0.86) |                     |                  |              |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact position ID | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|---------------------|------------|
| 17         | -99             | 2<br>21            | 16<br>20      | I              | W,Z<br>All others   | MS20053-99 |

Panel cutout

JAM NUT RECEPTACLE (TYPE 7)



| Dim | Nominal       |
|-----|---------------|
| B   | 30.73+0/-0.25 |
| ØC  | 32.01+0.25/-0 |

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