



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

**CHARACTERISTICS**

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Stainless Steel
- Shell Plating : Passivated
- 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                   | 58.7±0.3        |
| B                   | 42.85+0.1/-0.15 |
| R                   | 32.5Max         |
| S                   | 55.6±0.4        |
| W                   | 3+0.9/-0.1      |
| VV THREAD           | M37x1-6g        |

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: 8D725K08BA**

|                |   |                            |   |
|----------------|---|----------------------------|---|
| A              | 03-10-2016                                  | First Release              |   |
| ISS            | DATE  | Latest modification - by   | MOD N°  |
| Designed By:   |   | Date:                      | <b>CUSTOMER DRAWING</b>   |
| <b>TITLE</b>   | <b>Stainless Steel Receptacle 8D series</b> |                            |   |
| SCALE          |   | General linear Tolerances: | NPRDS / PROJECT   |
| NA             |   | ±--                        | <b>859</b>  |
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| FORMAT         | <b>SOURIAU DRG N° 8D725K08BA-C</b>          |                            | SHEET 1/2   |

|                |                        |   |   |    |   |    |   |                                    |
|----------------|------------------------|---|---|----|---|----|---|------------------------------------|
| BASIC SERIES:  | 8D                     | 7 | - | 25 | K | 08 | B | A                                  |
| SHELL TYPE :   | Jam nut Receptacle     |   |   |    |   |    |   |                                    |
| CONTACT TYPE : | Standard Crimp Contact |   |   |    |   |    |   |                                    |
| SHELL SIZE :   | 25                     |   |   |    |   |    |   |                                    |
| PLATING :      | K = Passivated         |   |   |    |   |    |   |                                    |
|                |                        |   |   |    |   |    |   | ORIENTATION : A                    |
|                |                        |   |   |    |   |    |   | CONTACT TYPE : SOCKET(500 Matings) |
|                |                        |   |   |    |   |    |   | CONTACT LAYOUT : 25-08             |

Contact Layout



Inactive for new design for MIL-DTL-38999. For new design, use arrangement no. 25-10.)

| Contact position ID | Contact location |              |
|---------------------|------------------|--------------|
|                     | X-axis (mm)      | Y-axis (mm)  |
| A                   | -000 (0.00)      | -426 (10.82) |
| B                   | +333 (8.46)      | +266 (6.76)  |
| C                   | +415 (10.54)     | -095 (2.41)  |
| D                   | +185 (4.70)      | -384 (9.75)  |
| E                   | -185 (4.70)      | -384 (9.75)  |
| F                   | -415 (10.54)     | -095 (2.41)  |
| G                   | -333 (8.46)      | +266 (6.76)  |
| H                   | +000 (0.00)      | +000 (0.00)  |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Standard contact |               |
|------------|-----------------|--------------------|---------------|----------------|------------------|------------------|---------------|
|            |                 |                    |               |                |                  | Pin              | Socket        |
| 25         | -8              | 8                  | 8             | Twinax         | All              | M39029/90-529    | M39029/91-530 |

Panel cutout

JAM NUT RECEPTACLE (TYPE 7)



| Dim | Nominal       |
|-----|---------------|
| B   | 43.43+0/-0.25 |
| ØC  | 44.7+0.25/-0  |

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| FORMAT         | <b>SOURIAU DRG N° 8D725K08BA-C</b>          |                            | SHEET 2/2   |