



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

**CHARACTERISTICS**

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Aluminium
- Shell Plating : Black Zinc Nickel
- 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 : 43.04 g ± 10%

| 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: 8D725Z08PDL**

|                |   |                                |  |
|----------------|---|--------------------------------|--|
| A              | 05-10-2016                              | 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             |   |                                | This document is the property of SOURIAU<br>it must not be reproduced or communicated without permission |
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| FORMAT         | <b>SOURIAU DRG N°<br/>8D725Z08PDL-C</b> |                                | SHEET<br>1/2   |

|                |                        |   |   |    |                                 |    |   |   |   |                        |
|----------------|------------------------|---|---|----|---------------------------------|----|---|---|---|------------------------|
| BASIC SERIES:  | 8D                     | 7 | - | 25 | Z                               | 08 | P | D | L | Delivered W/O Contacts |
| SHELL TYPE :   | Jam nut Receptacle     |   |   |    | ORIENTATION : D                 |    |   |   |   |                        |
| CONTACT TYPE : | Standard Crimp Contact |   |   |    | CONTACT TYPE : PIN(500 Matings) |    |   |   |   |                        |
| SHELL SIZE :   | 25                     |   |   |    | CONTACT LAYOUT : 25-08          |    |   |   |   |                        |
| PLATING :      | Z = Black Zinc Nickel  |   |   |    |                                 |    |   |   |   |                        |

Contact Layout



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

| Contacts<br>(Insert arrangement 25-8) |                  |              |
|---------------------------------------|------------------|--------------|
| 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° 8D725Z08PDL-C</b> |                            | SHEET 2/2   |