



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 with Souriau contacts and Accessories
- Temperature Range : -65°C to +175°C
- Salt Spray : 500 hours
- Mass : 15.49 g ± 10%

| Connector dimension |                 |
|---------------------|-----------------|
| Dim                 | Nominal         |
| A                   | 30.2±0.3        |
| B                   | 16.53+0.1/-0.15 |
| R                   | 32.5Max         |
| S                   | 27±0.4          |
| W                   | 2.2+0.9/-0.1    |
| VV THREAD           | M12x1-6g        |

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: 8D709W35SB**

|                |                                       |                                |   |
|----------------|---------------------------------------|--------------------------------|---|
| A              | 03-11-2016                            | 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   |
| NA             |                                       |                                | <b>859</b>  |
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| FORMAT         | <b>SOURIAU DRG N° 8D709W35SB-C</b>    |                                | SHEET   |
| <b>A3</b>      |                                       |                                | <b>1/2</b>  |

|                |                                    |   |   |    |   |    |   |   |                 |
|----------------|------------------------------------|---|---|----|---|----|---|---|-----------------|
| BASIC SERIES:  | 8D                                 | 7 | - | 09 | W | 35 | S | B | ORIENTATION : B |
| SHELL TYPE :   | Jam nut Receptacle                 |   |   |    |   |    |   |   |                 |
| CONTACT TYPE : | Standard Crimp Contact             |   |   |    |   |    |   |   |                 |
| SHELL SIZE :   | 09                                 |   |   |    |   |    |   |   |                 |
| PLATING :      | W = Olive drab Cadmium             |   |   |    |   |    |   |   |                 |
|                | CONTACT TYPE : SOCKET(500 Matings) |   |   |    |   |    |   |   |                 |
|                | CONTACT LAYOUT : 09-35             |   |   |    |   |    |   |   |                 |

Contact Layout



| Contacts<br>(Insert arrangement 9-35) |                  |             |
|---------------------------------------|------------------|-------------|
| Contact position ID                   | Contact location |             |
|                                       | X-axis (mm)      | Y-axis (mm) |
| 1                                     | +045 (1.14)      | +078 (1.98) |
| 2                                     | +078 (1.98)      | -045 (1.14) |
| 3                                     | +000 (0.00)      | -090 (2.29) |
| 4                                     | -078 (1.98)      | -045 (1.14) |
| 5                                     | -045 (1.14)      | +078 (1.98) |
| 6                                     | +000 (0.00)      | +000 (0.00) |

(Applicable to MIL-DTL-38999 and SAE-AS29600)

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|------------------|------------|
| 9          | -35             | 6                  | 22D           | M              | All              | MS27525-35 |

Panel cutout

JAM NUT RECEPTACLE (TYPE 7)



| Dim | Nominal      |
|-----|--------------|
| B   | 16.7±0.1     |
| ØC  | 17.6+0.25/-0 |

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| FORMAT         | <b>SOURIAU DRG N° 8D709W35SB-C</b>    |                            | SHEET 2/2   |