

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%

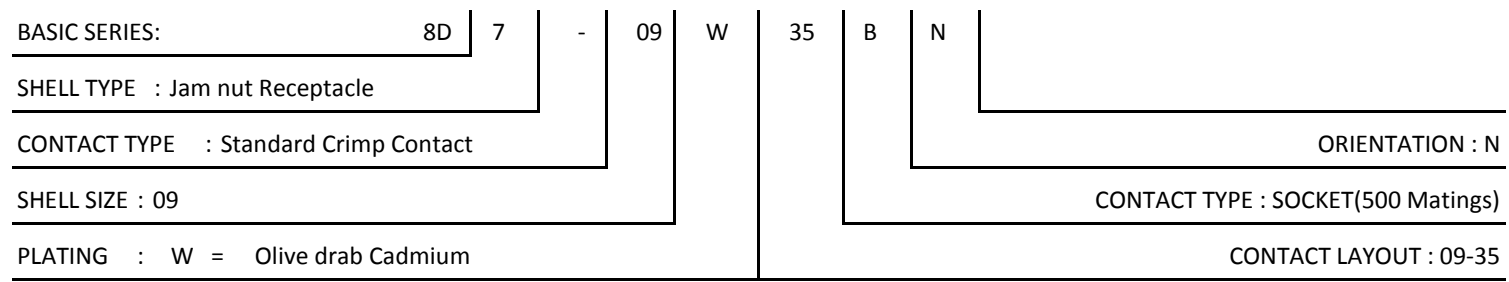
| Connector dimension |                 |
|---------------------|-----------------|
| Dim                 | Nominal         |
| A                   | 30.2±0.3        |
| B                   | 16.53+0.1/-0.15 |
| R                   | 32.5Max         |
| S                   | 27±0.4          |
| W                   | 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: 8D709W35BN**

|                |            |   |                         |
|----------------|------------|---|-------------------------|
| A              | 03-11-2016 | First Release   |                         |
| ISS            | DATE       | Latest modification - by  | MOD N°                  |
| Designed By:   |            | Date:   | <b>CUSTOMER DRAWING</b> |
| <b>TITLE</b>   |            | Aluminium Receptacle 8D series  |                         |
| SCALE          |            | General linear Tolerances:  | NPRDS / PROJECT         |
| NA             |            | ±--   | <b>859</b>              |
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| <b>A3</b>      |            | <b>SOURIAU DRG N° 8D709W35BN-C</b>  |                         |
|                |            | SHEET 1/2   |                         |



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° 8D709W35BN-C</b> |                            | SHEET 2/2   |