



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

**CHARACTERISTICS**

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Aluminium
- 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 : 48 hours
- Mass : 18.2 g ± 10%

| Connector dimension |          |
|---------------------|----------|
| Dim                 | Nominal  |
| ØS                  | 25 Max   |
| Z                   | 31 Max   |
| VV THREAD           | M15x1-6g |

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: 8D511F35SB**

|              |            |                          |                         |
|--------------|------------|--------------------------|-------------------------|
| A            | 15-10-2016 | First Release            |                         |
| ISS          | DATE       | Latest modification - by | MOD N°                  |
| Designed By: |            | Date:                    | <b>CUSTOMER DRAWING</b> |

|                |                         |   |   |    |   |    |   |   |                                    |
|----------------|-------------------------|---|---|----|---|----|---|---|------------------------------------|
| BASIC SERIES:  | 8D                      | 5 | - | 11 | F | 35 | S | B | ORIENTATION : B                    |
| SHELL TYPE :   | Plug with RFI Shielding |   |   |    |   |    |   |   | CONTACT TYPE : SOCKET(500 Matings) |
| CONTACT TYPE : | Standard Crimp Contact  |   |   |    |   |    |   |   | CONTACT LAYOUT : 11-35             |
| SHELL SIZE :   | 11                      |   |   |    |   |    |   |   |                                    |
| PLATING :      | F = Nickel              |   |   |    |   |    |   |   |                                    |

|                |                          |                                |   |
|----------------|--------------------------|--------------------------------|---|
| <b>TITLE</b>   | Aluminium Plug 8D series |                                |   |
| SCALE          | NA                       | General linear Tolerances: ±-- | NPRDS / PROJECT<br><b>859</b>   |
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| FORMAT         | <b>A3</b>                |                                | <b>SOURIAU DRG N° 8D511F35SB-C</b>  |
|                |                          |                                | SHEET<br>1/2  |

Contact Layout



| Contacts<br>(Insert arrangement 11-35) |             |             |                     |             |             |
|--|-------------|-------------|---------------------|-------------|-------------|
| Contact position ID                    | Location    |             | Contact position ID | Location    |             |
|  | X-axis (mm) | Y-axis (mm) |                     | X-axis (mm) | Y-axis (mm) |
| 1                                      | +000 (0.00) | +146 (3.71) | 8                   | -138 (3.51) | -045 (1.14) |
| 2                                      | +085 (2.16) | +118 (3.00) | 9                   | -138 (3.51) | +045 (1.14) |
| 3                                      | +138 (3.51) | +045 (1.14) | 10                  | -085 (2.16) | +118 (3.00) |
| 4                                      | +138 (3.51) | -045 (1.14) | 11                  | +000 (0.00) | +056 (1.42) |
| 5                                      | +085 (2.16) | -118 (3.00) | 12                  | +049 (1.24) | -035 (0.89) |
| 6                                      | +000 (0.00) | -146 (3.71) | 13                  | -049 (1.24) | -035 (0.89) |
| 7                                      | -085 (2.16) | -118 (3.00) |                     |             |             |

(Applicable to MIL-DTL-38999 only)

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|------------------|------------|
| 11         | -35             | 13                 | 22D           | M              | All              | MS27526-35 |

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| <b>TITLE</b>   | Aluminium Plug 8D series           |                            |   |
| SCALE          |                                    | General linear Tolerances: | NPRDS / PROJECT   |
| NA             |                                    | ±--                        | <b>859</b>  |
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| FORMAT         | <b>SOURIAU DRG N° 8D511F35SB-C</b> |                            | SHEET 2/2   |