



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 without Souriau contacts
- Temperature Range : -65°C to +175°C
- Salt Spray : 500 hours
- Mass : 11.57 g ± 10%

| Connector dimension |          |
|---------------------|----------|
| Dim                 | Nominal  |
| ØS                  | 21.8 Max |
| Z                   | 31 Max   |
| 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: 8D509W98SEL**

|   |                                     |                                |                               |
|---|-------------------------------------|--------------------------------|-------------------------------|
| A   | 15-10-2016                          | First Release                  |                               |
| ISS   | DATE                                | Latest modification - by       | MOD N°                        |
| Designed By:  |                                     | Date:                          | <b>CUSTOMER DRAWING</b>       |
| <b>TITLE</b>  |                                     | Aluminium Plug 8D series       |                               |
| SCALE   | NA                                  | General linear Tolerances: ±-- | NPRDS / PROJECT<br><b>859</b> |
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| FORMAT  | <b>SOURIAU DRG N° 8D509W98SEL-C</b> |                                | SHEET<br>1/2                  |

|                |                         |   |   |    |   |                                    |   |   |   |                        |
|----------------|-------------------------|---|---|----|---|------------------------------------|---|---|---|------------------------|
| BASIC SERIES:  | 8D                      | 5 | - | 09 | W | 98                                 | S | E | L | Delivered W/O Contacts |
| SHELL TYPE :   | Plug with RFI Shielding |   |   |    |   | ORIENTATION : E                    |   |   |   |                        |
| CONTACT TYPE : | Standard Crimp Contact  |   |   |    |   | CONTACT TYPE : SOCKET(500 Matings) |   |   |   |                        |
| SHELL SIZE :   | 09                      |   |   |    |   | CONTACT LAYOUT : 09-98             |   |   |   |                        |
| PLATING :      | W = Olive drab Cadmium  |   |   |    |   |                                    |   |   |   |                        |

Contact Layout



| Contact position ID | Contact location |             |
|---------------------|------------------|-------------|
|                     | X-axis (mm)      | Y-axis (mm) |
| A                   | +065 (1.65)      | +038 (0.97) |
| B                   | +000 (0.00)      | -075 (1.91) |
| C                   | -065 (1.65)      | +038 (0.97) |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|------------------|------------|
| 9          | -98             | 3                  | 20            | I              | All              | MS20049-98 |

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| SCALE          |                                     | General linear Tolerances: | NPRDS / PROJECT   |
| NA             |                                     | ±--                        | <b>859</b>  |
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| FORMAT         | <b>SOURIAU DRG N° 8D509W98SEL-C</b> |                            | SHEET 2/2   |