

LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

| Connector dimension |          |
|---------------------|----------|
| Dim                 | Nominal  |
| ØS                  | 25 Max   |
| Z'                  | 31.5 Max |
| VV THREAD           | M15x1-6g |

**CHARACTERISTICS**

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Composite
- 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 : 2000 hours
- Mass : 11.7 g ± 10%

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.)

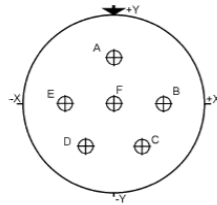
| Country | Jurisdiction & Control List |
|---------|-----------------------------|
| FR      | Not Listed                  |

**PN: 8D511J98PEL**

|   |                                     |                                |                               |
|---|-------------------------------------|--------------------------------|-------------------------------|
| A   | 16-10-2016                          | First Release                  |                               |
| ISS   | DATE                                | Latest modification - by       | MOD N°                        |
| Designed By:  |                                     | Date:                          | <b>CUSTOMER DRAWING</b>       |
| <b>TITLE</b>  |                                     | Composite Plug 8D series       |                               |
| SCALE   | NA                                  | General linear Tolerances: ±-- | NPRDS / PROJECT<br><b>859</b> |
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| FORMAT  | <b>SOURIAU DRG N° 8D511J98PEL-C</b> |                                | SHEET<br>1/2                  |

|                |                         |   |   |    |   |                                 |   |   |   |                        |
|----------------|-------------------------|---|---|----|---|---------------------------------|---|---|---|------------------------|
| BASIC SERIES:  | 8D                      | 5 | - | 11 | J | 98                              | P | E | L | Delivered W/O Contacts |
| SHELL TYPE :   | Plug with RFI Shielding |   |   |    |   | ORIENTATION : E                 |   |   |   |                        |
| CONTACT TYPE : | Standard Crimp Contact  |   |   |    |   | CONTACT TYPE : PIN(500 Matings) |   |   |   |                        |
| SHELL SIZE :   | 11                      |   |   |    |   | CONTACT LAYOUT : 11-98          |   |   |   |                        |
| PLATING :      | J = Olive drab Cadmium  |   |   |    |   |                                 |   |   |   |                        |

Contact Layout



| Contacts<br>(Insert arrangement 11-98) |                  |              |
|--|------------------|--------------|
| Contact position ID                    | Contact location |              |
|  | X-axis (mm)      | Y-axis (mm)  |
| A                                      | +0.00 (0.00)     | +130 (3.30)  |
| B                                      | +130 (3.30)      | +0.00 (0.00) |
| C                                      | +0.65 (1.65)     | -113 (2.87)  |
| D                                      | -0.65 (1.65)     | -113 (2.87)  |
| E                                      | -130 (3.30)      | +0.00 (0.00) |
| F                                      | +0.00 (0.00)     | +0.00 (0.00) |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|------------------|------------|
| 11         | -98             | 6                  | 20            | I              | All              | MS20050-98 |

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| <b>TITLE</b>   | <b>Composite Plug 8D series</b>     |                            |   |
| SCALE          |                                     | General linear Tolerances: | NPRDS / PROJECT   |
| NA             |                                     | ±--                        | <b>859</b>  |
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| FORMAT         | <b>SOURIAU DRG N° 8D511J98PEL-C</b> |                            | SHEET<br>2/2  |