



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

**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 : 15.8 g ± 10%

| Connector dimension |          |
|---------------------|----------|
| Dim                 | Nominal  |
| ØS                  | 29.4 Max |
| Z'                  | 31.5 Max |
| VV THREAD           | M18x1-6g |

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: 8D513J98PEL**

|   |                                     |                                |                               |
|---|-------------------------------------|--------------------------------|-------------------------------|
| A   | 17-10-2016                          | 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° 8D513J98PEL-C</b> |                                | SHEET<br>1/2                  |

|                |                         |   |   |    |   |                                 |   |   |   |                        |
|----------------|-------------------------|---|---|----|---|---------------------------------|---|---|---|------------------------|
| BASIC SERIES:  | 8D                      | 5 | - | 13 | 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 :   | 13                      |   |   |    |   | CONTACT LAYOUT : 13-58          |   |   |   |                        |
| PLATING :      | J = Olive drab Cadmium  |   |   |    |   |                                 |   |   |   |                        |

Contact Layout



| Contact position ID | Location    |             |
|---------------------|-------------|-------------|
|                     | X-axis (mm) | Y-axis (mm) |
| A                   | +000 (0.00) | +195 (4.95) |
| B                   | +125 (3.18) | +150 (3.81) |
| C                   | +193 (4.90) | +030 (0.76) |
| D                   | -104 (4.17) | -105 (2.67) |
| E                   | +000 (0.00) | -135 (3.43) |
| F                   | -164 (4.17) | -105 (2.67) |
| G                   | -193 (4.90) | +030 (0.76) |
| H                   | -125 (3.18) | +150 (3.81) |
| J                   | +065 (1.65) | -015 (0.38) |
| K                   | -065 (1.65) | -015 (0.38) |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|------------------|------------|
| 13         | -98             | 10                 | 20            | I              | All              | MS20051-98 |

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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° 8D513J98PEL-C</b> |                            | SHEET   |
| <b>A3</b>      |                                     |                            | <b>2/2</b>  |