



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

**CHARACTERISTICS**

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Composite
- 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 without Souriau contacts
- Temperature Range : -65°C to +200°C
- Salt Spray : 2000 hours
- Mass : 12.8 g ± 10%

| Connector dimension |          |
|---------------------|----------|
| Dim                 | Nominal  |
| ØS                  | 25 Max   |
| Z'                  | 31.5 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: 8D511M98SDL**

|              |            |                          |                         |
|--------------|------------|--------------------------|-------------------------|
| A            | 17-10-2016 | First Release            |                         |
| ISS          | DATE       | Latest modification - by | MOD N°                  |
| Designed By: |            | Date:                    | <b>CUSTOMER DRAWING</b> |

|              |                                 |  |  |
|--------------|---------------------------------|--|--|
| <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° 8D511M98SDL-C</b> | SHEET      |
| <b>A3</b> |                                     | <b>1/2</b> |

|                |                         |   |   |    |   |    |   |   |   |                                    |
|----------------|-------------------------|---|---|----|---|----|---|---|---|------------------------------------|
| BASIC SERIES:  | 8D                      | 5 | - | 11 | M | 98 | S | D | L | Delivered W/O Contacts             |
| SHELL TYPE :   | Plug with RFI Shielding |   |   |    |   |    |   |   |   | ORIENTATION : D                    |
| CONTACT TYPE : | Standard Crimp Contact  |   |   |    |   |    |   |   |   | CONTACT TYPE : SOCKET(500 Matings) |
| SHELL SIZE :   | 11                      |   |   |    |   |    |   |   |   | CONTACT LAYOUT : 11-98             |
| PLATING :      | M = Nickel              |   |   |    |   |    |   |   |   |                                    |

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>     |                            |   |
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| NA             |                                     | ±--                        | <b>859</b>  |
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| FORMAT         | <b>SOURIAU DRG N° 8D511M98SDL-C</b> |                            | SHEET 2/2   |