



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 with Souriau contacts and Accessories
- Temperature Range : -65°C to +200°C
- Salt Spray : 2000 hours

| 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: 8D511M99HE**

|                                                                                                       |                                    |                                |                               |
|-------------------------------------------------------------------------------------------------------|------------------------------------|--------------------------------|-------------------------------|
| 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> |
| <b>SOURIAU</b>                                                                                        |                                    | <b>WWW.SOURIAU.COM</b>         |                               |
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| FORMAT                                                                                                | <b>SOURIAU DRG N° 8D511M99HE-C</b> |                                | SHEET<br>1/2                  |

|                |                         |   |   |    |                        |    |                                   |   |  |
|----------------|-------------------------|---|---|----|------------------------|----|-----------------------------------|---|--|
| BASIC SERIES:  | 8D                      | 5 | - | 11 | M                      | 99 | H                                 | E |  |
| SHELL TYPE :   | Plug with RFI Shielding |   |   |    |                        |    |                                   |   |  |
| CONTACT TYPE : | Standard Crimp Contact  |   |   |    |                        |    |                                   |   |  |
| SHELL SIZE :   | 11                      |   |   |    |                        |    |                                   |   |  |
| PLATING :      | M = Nickel              |   |   |    |                        |    |                                   |   |  |
|                |                         |   |   |    | ORIENTATION : E        |    | CONTACT TYPE : PIN (1500 Matings) |   |  |
|                |                         |   |   |    | CONTACT LAYOUT : 11-99 |    |                                   |   |  |

Contact Layout



| Contacts<br>(Insert arrangement 11-99) |             |             |
|----------------------------------------|-------------|-------------|
| Contact position ID                    | Location    |             |
|                                        | X-axis (mm) | Y-axis (mm) |
| A                                      | +065 (1.65) | +113 (2.87) |
| B                                      | +130 (3.30) | +000 (0.00) |
| C                                      | +065 (1.65) | -113 (2.87) |
| D                                      | -065 (1.65) | -113 (2.87) |
| E                                      | -130 (3.30) | +000 (0.00) |
| F                                      | -065 (1.65) | +113 (2.87) |
| G                                      | +000 (0.00) | +000 (0.00) |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|------------------|------------|
| 11         | -99             | 7                  | 20            | I              | All              | MS20050-99 |

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| 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° 8D511M99HE-C</b> |                            | SHEET 2/2                                                                                             |