

H G F E D C B A



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

**CHARACTERISTICS**

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Composite
- Shell Plating : Without Plating
- 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 +175°C
- Salt Spray : 2000 hours
- Mass : 16 g ± 10%

| Connector dimension |          |
|---------------------|----------|
| Dim                 | Nominal  |
| ØS                  | 25 Max   |
| Z                   | 31 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: 8D511X35BD**

|                                                                                                       |                                    |                                |                               |
|-------------------------------------------------------------------------------------------------------|------------------------------------|--------------------------------|-------------------------------|
| A                                                                                                     | 18-10-2016                         | 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° 8D511X35BD-C</b> |                                | SHEET<br>1/2                  |

|                |                         |   |   |    |   |    |   |   |                                    |
|----------------|-------------------------|---|---|----|---|----|---|---|------------------------------------|
| BASIC SERIES:  | 8D                      | 5 | - | 11 | X | 35 | B | D | ORIENTATION : D                    |
| SHELL TYPE :   | Plug with RFI Shielding |   |   |    |   |    |   |   | CONTACT TYPE : SOCKET(500 Matings) |
| CONTACT TYPE : | Standard Crimp Contact  |   |   |    |   |    |   |   | CONTACT LAYOUT : 11-35             |
| SHELL SIZE :   | 11                      |   |   |    |   |    |   |   |                                    |
| PLATING :      | X = Without Plating     |   |   |    |   |    |   |   |                                    |

4

3

2

1

4

3

2

1

H G F E D C B A

Contact Layout



| Contacts<br>(Insert arrangement 11-35) |             |             |                     |             |             |
|----------------------------------------|-------------|-------------|---------------------|-------------|-------------|
| Contact position ID                    | Location    |             | Contact position ID | Location    |             |
|                                        | X-axis (mm) | Y-axis (mm) |                     | X-axis (mm) | Y-axis (mm) |
| 1                                      | +000 (0.00) | +146 (3.71) | 8                   | -138 (3.51) | -045 (1.14) |
| 2                                      | +085 (2.16) | +118 (3.00) | 9                   | -138 (3.51) | +045 (1.14) |
| 3                                      | +138 (3.51) | +045 (1.14) | 10                  | -085 (2.16) | +118 (3.00) |
| 4                                      | +138 (3.51) | -045 (1.14) | 11                  | +000 (0.00) | +056 (1.42) |
| 5                                      | +085 (2.16) | -118 (3.00) | 12                  | +049 (1.24) | -035 (0.89) |
| 6                                      | +000 (0.00) | -146 (3.71) | 13                  | -049 (1.24) | -035 (0.89) |
| 7                                      | -085 (2.16) | -118 (3.00) |                     |             |             |

| (Applicable to MIL-DTL-38999 only) |                 |                    |               |                |                  |            |
|------------------------------------|-----------------|--------------------|---------------|----------------|------------------|------------|
| Shell size                         | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
| 11                                 | -35             | 13                 | 22D           | M              | All              | MS27526-35 |

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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° 8D511X35BD-C</b> |                            | SHEET 2/2                                                                                             |