



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                  | 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: 8D513M08JN**

|   |                                    |                                |                               |
|---|------------------------------------|--------------------------------|-------------------------------|
| 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> |
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| FORMAT  | <b>SOURIAU DRG N° 8D513M08JN-C</b> |                                | SHEET<br>1/2                  |

|                |                         |   |   |    |                                      |    |   |   |  |
|----------------|-------------------------|---|---|----|--------------------------------------|----|---|---|--|
| BASIC SERIES:  | 8D                      | 5 | - | 13 | M                                    | 08 | J | N |  |
| SHELL TYPE :   | Plug with RFI Shielding |   |   |    |                                      |    |   |   |  |
| CONTACT TYPE : | Standard Crimp Contact  |   |   |    |                                      |    |   |   |  |
| SHELL SIZE :   | 13                      |   |   |    |                                      |    |   |   |  |
| PLATING :      | M = Nickel              |   |   |    |                                      |    |   |   |  |
|                |                         |   |   |    | ORIENTATION : N                      |    |   |   |  |
|                |                         |   |   |    | CONTACT TYPE : SOCKET (1500 Matings) |    |   |   |  |
|                |                         |   |   |    | CONTACT LAYOUT : 13-08               |    |   |   |  |

Contact Layout



| Contacts<br>(insert arrangement 13-8) |                  |             |
|---------------------------------------|------------------|-------------|
| Contact position ID                   | Contact location |             |
|                                       | X-axis (mm)      | Y-axis (mm) |
| A                                     | +065 (1.65)      | +157 (3.99) |
| B                                     | +170 (4.32)      | +000 (0.00) |
| C                                     | +120 (3.05)      | -120 (3.05) |
| D                                     | +000 (0.00)      | -170 (4.32) |
| E                                     | -120 (3.05)      | -120 (3.05) |
| F                                     | -170 (4.32)      | +000 (0.00) |
| G                                     | -065 (1.65)      | +157 (3.99) |
| H                                     | +000 (0.00)      | +044 (1.12) |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|------------------|------------|
| 13         | -8              | 8                  | 20            | I              | All              | MS20051-8  |

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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° 8D513M08JN-C</b> |                            | SHEET 2/2   |