



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 with Souriau contacts and Accessories
- Temperature Range : -65°C to +175°C
- Salt Spray : 2000 hours
- Mass : 22 g ± 10%

| Connector dimension |          |
|---------------------|----------|
| Dim                 | Nominal  |
| ØS                  | 32.5 Max |
| Z'                  | 31.5 Max |
| VV THREAD           | M22x1-6g |

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: 8D515J19PE**

|   |                                    |                                |                               |
|---|------------------------------------|--------------------------------|-------------------------------|
| A   | 19-10-2016                         | 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° 8D515J19PE-C</b> |                                | SHEET<br>1/2                  |

|                |                         |   |   |    |   |    |   |   |                                 |
|----------------|-------------------------|---|---|----|---|----|---|---|---------------------------------|
| BASIC SERIES:  | 8D                      | 5 | - | 15 | J | 19 | P | E | ORIENTATION : E                 |
| SHELL TYPE :   | Plug with RFI Shielding |   |   |    |   |    |   |   | CONTACT TYPE : PIN(500 Matings) |
| CONTACT TYPE : | Standard Crimp Contact  |   |   |    |   |    |   |   | CONTACT LAYOUT : 15-19          |
| SHELL SIZE :   | 15                      |   |   |    |   |    |   |   |                                 |
| PLATING :      | J = Olive drab Cadmium  |   |   |    |   |    |   |   |                                 |

Contact Layout



| Contacts<br>(Insert arrangement 15-19) |             |             |                     |             |             |
|--|-------------|-------------|---------------------|-------------|-------------|
| Contact position ID                    | Location    |             | Contact position ID | Location    |             |
|  | X-axis (mm) | Y-axis (mm) |                     | X-axis (mm) | Y-axis (mm) |
| A                                      | +000 (0.00) | +225 (5.72) | L                   | -195 (4.95) | +113 (2.87) |
| B                                      | +130 (3.30) | +225 (5.72) | M                   | -130 (3.30) | +225 (5.72) |
| C                                      | -195 (4.95) | +113 (2.87) | N                   | -005 (1.05) | +113 (2.87) |
| D                                      | +260 (6.60) | +000 (0.00) | P                   | +065 (1.65) | +113 (2.87) |
| E                                      | +195 (4.95) | -113 (2.87) | R                   | +130 (3.30) | +000 (0.00) |
| F                                      | +130 (3.30) | -225 (5.72) | S                   | +065 (1.65) | -113 (2.87) |
| G                                      | +000 (0.00) | -225 (5.72) | T                   | -065 (1.65) | -113 (2.87) |
| H                                      | -130 (3.30) | -225 (5.72) | U                   | -130 (3.30) | +000 (0.00) |
| J                                      | -195 (4.95) | -113 (2.87) | V                   | +000 (0.00) | +000 (0.00) |
| K                                      | -260 (6.60) | +000 (0.00) | ---                 | ---         | ---         |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|------------------|------------|
| 15         | -19             | 19                 | 20            | I              | All              | MS20052-19 |

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| SCALE          |                                    | General linear Tolerances: | NPRDS / PROJECT   |
| NA             |                                    | ±--                        | <b>859</b>  |
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