



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 : 17.6 g ± 10%

| 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: 8D513J08PD

| | | | |
|---------------------|------------|---------------------------------------|-------------------------------|
| A | 17-10-2016 | First Release | |
| ISS | DATE | Latest modification - by | MOD N° |
| Designed By: | | Date: | CUSTOMER DRAWING |
| TITLE | | Composite Plug 8D series | |
| SCALE | NA | General linear Tolerances: ±-- | NPRDS / PROJECT 859 |
| SOURIAU | | WWW.SOURIAU.COM | |
| FORMAT A3 | | SOURIAU DRG N° 8D513J08PD-C | |
| | | SHEET 1/2 | |

| | | | | | | | | | |
|----------------|-------------------------|---|---|----|---|----|---|---|---------------------------------|
| BASIC SERIES: | 8D | 5 | - | 13 | J | 08 | P | D | ORIENTATION : D |
| SHELL TYPE : | Plug with RFI Shielding | | | | | | | | CONTACT TYPE : PIN(500 Matings) |
| CONTACT TYPE : | Standard Crimp Contact | | | | | | | | CONTACT LAYOUT : 13-08 |
| SHELL SIZE : | 13 | | | | | | | | |
| PLATING : | J = Olive drab Cadmium | | | | | | | | |

Contact Layout



| Contacts (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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| NA | | ±-- | 859 |
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| FORMAT | SOURIAU DRG N° 8D513J08PD-C | | SHEET 2/2 |