



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

**CHARACTERISTICS**

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Aluminium
- 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 : 48 hours
- Mass : 21.04 g ± 10%

| Connector dimension |          |
|---------------------|----------|
| Dim                 | Nominal  |
| ØS                  | 29.4 Max |
| Z                   | 31 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: 8D513F04AN**

|              |            |                          |                         |
|--------------|------------|--------------------------|-------------------------|
| A            | 17-10-2016 | First Release            |                         |
| ISS          | DATE       | Latest modification - by | MOD N°                  |
| Designed By: |            | Date:                    | <b>CUSTOMER DRAWING</b> |

|              |                                 |  |  |
|--------------|---------------------------------|--|--|
| <b>TITLE</b> | <b>Aluminium Plug 8D series</b> |  |  |
|--------------|---------------------------------|--|--|

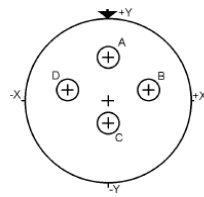
|       |  |                            |                 |
|-------|--|----------------------------|-----------------|
| SCALE |  | General linear Tolerances: | NPRDS / PROJECT |
| NA    |  | ±--                        | <b>859</b>      |

|                |                        |   |
|----------------|------------------------|---|
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|-----------|------------------------------------|------------|
| FORMAT    | <b>SOURIAU DRG N° 8D513F04AN-C</b> | SHEET      |
| <b>A3</b> |                                    | <b>1/2</b> |

|                |                         |   |   |    |                        |    |                                 |   |
|----------------|-------------------------|---|---|----|------------------------|----|---------------------------------|---|
| BASIC SERIES:  | 8D                      | 5 | - | 13 | F                      | 04 | A                               | N |
| SHELL TYPE :   | Plug with RFI Shielding |   |   |    |                        |    |                                 |   |
| CONTACT TYPE : | Standard Crimp Contact  |   |   |    |                        |    |                                 |   |
| SHELL SIZE :   | 13                      |   |   |    |                        |    |                                 |   |
| PLATING :      | F = Nickel              |   |   |    |                        |    |                                 |   |
|                |                         |   |   |    | ORIENTATION : N        |    | CONTACT TYPE : PIN(500 Matings) |   |
|                |                         |   |   |    | CONTACT LAYOUT : 13-04 |    |                                 |   |

Contact Layout



| Contact position ID | Location    |             |
|---------------------|-------------|-------------|
|                     | X-axis (mm) | Y-axis (mm) |
| A                   | +000 (0.00) | +150 (3.81) |
| B                   | +146 (3.71) | +035 (0.89) |
| C                   | +000 (0.00) | -083 (2.11) |
| D                   | -146 (3.71) | +035 (0.89) |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|------------------|------------|
| 13         | -4              | 4                  | 16            | I              | All              | MS20051-4  |

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| <b>TITLE</b>   | Aluminium Plug 8D series       |                                |   |
| SCALE          |                                | General linear Tolerances: ±-- | NPRDS / PROJECT<br><b>859</b>   |
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