



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

**CHARACTERISTICS**

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Aluminium
- Shell Plating : Black Zinc 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 +175°C
- Salt Spray : 500 hours
- Mass : 14.83 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: 8D511Z05PA**

|              |            |                          |                         |
|--------------|------------|--------------------------|-------------------------|
| A            | 18-10-2016 | First Release            |                         |
| ISS          | DATE       | Latest modification - by | MOD N°                  |
| Designed By: |            | Date:                    | <b>CUSTOMER DRAWING</b> |

|                |                         |   |   |    |   |    |   |                                 |
|----------------|-------------------------|---|---|----|---|----|---|---------------------------------|
| BASIC SERIES:  | 8D                      | 5 | - | 11 | Z | 05 | P | A                               |
| SHELL TYPE :   | Plug with RFI Shielding |   |   |    |   |    |   |                                 |
| CONTACT TYPE : | Standard Crimp Contact  |   |   |    |   |    |   |                                 |
| SHELL SIZE :   | 11                      |   |   |    |   |    |   |                                 |
| PLATING :      | Z = Black Zinc Nickel   |   |   |    |   |    |   |                                 |
|                |                         |   |   |    |   |    |   | ORIENTATION : A                 |
|                |                         |   |   |    |   |    |   | CONTACT TYPE : PIN(500 Matings) |
|                |                         |   |   |    |   |    |   | CONTACT LAYOUT : 11-05          |

|                |                          |                                |   |
|----------------|--------------------------|--------------------------------|---|
| <b>TITLE</b>   | Aluminium Plug 8D series |                                |   |
| SCALE          | NA                       | General linear Tolerances: ±-- | NPRDS / PROJECT<br><b>859</b>   |
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| FORMAT         | <b>A3</b>                |                                | SOURIAU DRG N°<br><b>8D511Z05PA-C</b>   |
|                |                          |                                | SHEET<br>1/2  |

Contact Layout



| Contact position ID | Contact location |             |
|---------------------|------------------|-------------|
|                     | X-axis (mm)      | Y-axis (mm) |
| A                   | +065 (1.65)      | +056 (1.42) |
| B                   | +113 (2.87)      | -065 (1.65) |
| C                   | +000 (0.00)      | -130 (3.30) |
| D                   | -113 (2.87)      | -065 (1.65) |
| E                   | -065 (1.65)      | +056 (1.42) |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|------------------|------------|
| 11         | -5              | 5                  | 20            | I              | All              | MS20050-5  |

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| <b>TITLE</b>   | Aluminium Plug 8D series           |                            |   |
| SCALE          |                                    | General linear Tolerances: | NPRDS / PROJECT   |
| NA             |                                    | ±--                        | <b>859</b>  |
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| FORMAT         | <b>SOURIAU DRG N° 8D511Z05PA-C</b> |                            | SHEET 2/2   |