



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 without Souriau contacts
- Temperature Range : -65°C to +175°C
- Salt Spray : 500 hours
- Mass : 14.24 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: 8D511Z04PBL**

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

|                     |    |  |                               |
|---------------------|----|--|-------------------------------|
| <b>TITLE</b>        |    | Aluminium Plug 8D series               |                               |
| SCALE               | NA | General linear Tolerances: ±--         | NPRDS / PROJECT<br><b>859</b> |
| <b>SOURIAU</b>      |    | WWW.SOURIAU.COM                        |                               |
| FORMAT<br><b>A3</b> |    | SOURIAU DRG N°<br><b>8D511Z04PBL-C</b> |                               |
|                     |    |  | SHEET<br>1/2                  |

|                |                         |   |   |    |                                 |    |   |   |   |                        |
|----------------|-------------------------|---|---|----|---------------------------------|----|---|---|---|------------------------|
| BASIC SERIES:  | 8D                      | 5 | - | 11 | Z                               | 04 | P | B | L | Delivered W/O Contacts |
| SHELL TYPE :   | Plug with RFI Shielding |   |   |    | ORIENTATION : B                 |    |   |   |   |                        |
| CONTACT TYPE : | Standard Crimp Contact  |   |   |    | CONTACT TYPE : PIN(500 Matings) |    |   |   |   |                        |
| SHELL SIZE :   | 11                      |   |   |    | CONTACT LAYOUT : 11-04          |    |   |   |   |                        |
| PLATING :      | Z = Black Zinc Nickel   |   |   |    |                                 |    |   |   |   |                        |

Contact Layout



| Contact position ID | Contact location |               |
|---------------------|------------------|---------------|
|                     | X-axis (mm)      | Y-axis (mm)   |
| A                   | +0.065 (1.65)    | +0.065 (1.65) |
| B                   | +0.065 (1.65)    | -0.065 (1.65) |
| C                   | -0.065 (1.65)    | -0.065 (1.65) |
| D                   | -0.065 (1.65)    | +0.065 (1.65) |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|------------------|------------|
| 11         | -4              | 4                  | 20            | I              | All              | MS20050-4  |

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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° 8D511Z04PBL-C</b> |                            | SHEET<br>2/2  |