



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 : 54.48 g ± 10%

| Connector dimension |          |
|---------------------|----------|
| Dim                 | Nominal  |
| ØS                  | 41.7 Max |
| Z                   | 31 Max   |
| VV THREAD           | M31x1-6g |

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: 8D521Z75AC**

|   |                                    |                                |                               |
|---|------------------------------------|--------------------------------|-------------------------------|
| A   | 12-10-2016                         | 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> |
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| FORMAT  | <b>SOURIAU DRG N° 8D521Z75AC-C</b> |                                | SHEET<br>1/2                  |

|                |                         |   |   |    |   |    |   |                                 |
|----------------|-------------------------|---|---|----|---|----|---|---------------------------------|
| BASIC SERIES:  | 8D                      | 5 | - | 21 | Z | 75 | A | C                               |
| SHELL TYPE :   | Plug with RFI Shielding |   |   |    |   |    |   |                                 |
| CONTACT TYPE : | Standard Crimp Contact  |   |   |    |   |    |   |                                 |
| SHELL SIZE :   | 21                      |   |   |    |   |    |   |                                 |
| PLATING :      | Z = Black Zinc Nickel   |   |   |    |   |    |   |                                 |
|                |                         |   |   |    |   |    |   | ORIENTATION : C                 |
|                |                         |   |   |    |   |    |   | CONTACT TYPE : PIN(500 Matings) |
|                |                         |   |   |    |   |    |   | CONTACT LAYOUT : 21-75          |

Contact Layout



(Inactive for new design for MIL-DTL-38999. For new design, use arrangement no. 21-76.)

| Contacts<br>(Insert arrangement 21-75) |             |             |
|--|-------------|-------------|
| Contact position ID                    | Location    |             |
|  | X axis      | Y axis      |
| A                                      | +180 (4.57) | +180 (4.57) |
| B                                      | +180 (4.57) | -180 (4.57) |
| C                                      | -180 (4.57) | -180 (4.57) |
| D                                      | -180 (4.57) | +180 (4.57) |

| Shell size | Arrangement no. | Number of contacts | Size contacts   | Service rating | Contact location | Standard contact |               |
|------------|-----------------|--------------------|-----------------|----------------|------------------|------------------|---------------|
|            |                 |                    |                 |                |                  | Pin              | Socket        |
| 21         | -75             | 4                  | 8<br>(see note) | Twinax         | All              | M39029/90-529    | M39029/91-530 |

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| <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° 8D521Z75AC-C</b> |                            | SHEET 2/2   |