



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

| Connector dimension |          |
|---------------------|----------|
| Dim                 | Nominal  |
| ØS                  | 48 Max   |
| Z                   | 31 Max   |
| VV THREAD           | M37x1-6g |

**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

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: 8D525Z41PAL**

|              |                                 |                                |   |
|--------------|---------------------------------|--------------------------------|---|
| 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        |                                 | General linear Tolerances: ±-- | NPRDS / PROJECT<br><b>859</b>   |
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| FORMAT       | SOURIAU DRG N°<br>8D525Z41PAL-C |                                | SHEET<br>1/2  |

|                |                         |   |   |    |                                 |    |   |   |   |                        |
|----------------|-------------------------|---|---|----|---------------------------------|----|---|---|---|------------------------|
| BASIC SERIES:  | 8D                      | 5 | - | 25 | Z                               | 41 | P | A | L | Delivered W/O Contacts |
| SHELL TYPE :   | Plug with RFI Shielding |   |   |    | ORIENTATION : A                 |    |   |   |   |                        |
| CONTACT TYPE : | Standard Crimp Contact  |   |   |    | CONTACT TYPE : PIN(500 Matings) |    |   |   |   |                        |
| SHELL SIZE :   | 25                      |   |   |    | CONTACT LAYOUT : 25-41          |    |   |   |   |                        |
| PLATING :      | Z = Black Zinc Nickel   |   |   |    |                                 |    |   |   |   |                        |

Contact Layout

41



22#22D, 3#20  
11#16, 2#12  
3#8 Triax

| 25-41 |        |        |     |       |       |
|-------|--------|--------|-----|-------|-------|
| Ctc   | X      | Y      | Ctc | X     | Y     |
| A     | 0      | 10.79  | Y   | -5.37 | 7.92  |
| B     | 7.09   | 11.34  | Z   | 3.32  | 5.72  |
| C     | 10.77  | 7.92   | a   | 7.96  | -0.42 |
| D     | 12.94  | 3.39   | b   | 0     | -6.6  |
| E     | 13.27  | -1.62  | c   | -7.96 | -0.42 |
| F     | 8.17   | -6.44  | d   | -3.32 | 5.72  |
| G     | 4.67   | -12.53 | e   | 0     | 4.48  |
| H     | 0      | -13.37 | f   | 3.02  | 3.07  |
| J     | -4.67  | -12.53 | g   | 5.32  | 0.005 |
| K     | -8.17  | -6.44  | h   | 3.7   | -2.43 |
| L     | -13.27 | -1.62  | i   | 2.38  | -4.74 |
| M     | -12.94 | 3.39   | j   | -2.38 | -4.74 |
| N     | -10.77 | 7.92   | k   | -3.7  | -2.43 |
| P     | -7.09  | 11.34  | m   | -5.32 | 0.005 |
| R     | 5.37   | 7.92   | n   | -3.02 | 3.07  |
| S     | 7.32   | 3.91   | p   | 0     | 1.81  |
| T     | 10.39  | 0.67   | q   | 2.59  | -0.01 |
| U     | 1.77   | -9.66  | r   | 0     | -3.53 |
| V     | -1.77  | -9.66  | s   | -2.59 | -0.01 |
| W     | -10.39 | 0.67   | t   | 0     | -0.86 |
| X     | -7.32  | 3.91   |     |       |       |

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| FORMAT         | <b>SOURIAU DRG N°<br/>8D525Z41PAL-C</b> |                                | SHEET<br>2/2   |