



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

| 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: 8D521Z72BB**

|              |            |                          |                         |
|--------------|------------|--------------------------|-------------------------|
| A            | 12-10-2016 | 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° 8D521Z72BB-C</b> |  | SHEET      |
| <b>A3</b> |                                    |  | <b>1/2</b> |

|                |                         |                   |   |    |   |    |   |   |                  |                     |
|----------------|-------------------------|-------------------|---|----|---|----|---|---|------------------|---------------------|
| BASIC SERIES:  | 8D                      | 5                 | - | 21 | Z | 72 | B | B | ORIENTATION : B  |                     |
| SHELL TYPE :   | Plug with RFI Shielding |                   |   |    |   |    |   |   |                  |                     |
| CONTACT TYPE : | Standard Crimp Contact  |                   |   |    |   |    |   |   |                  |                     |
| SHELL SIZE :   | 21                      |                   |   |    |   |    |   |   |                  |                     |
| PLATING :      | Z =                     | Black Zinc Nickel |   |    |   |    |   |   | CONTACT TYPE :   | SOCKET(500 Matings) |
|                |                         |                   |   |    |   |    |   |   | CONTACT LAYOUT : | 21-72               |

Contact Layout

72



2#4 Power  
6#16

| 21-72 |       |       |
|-------|-------|-------|
| Ctc   | X     | Y     |
| A     | 0     | 6.19  |
| B     | 8.5   | 4.3   |
| C     | 6.25  | 0     |
| D     | 8.5   | -4.3  |
| E     | 0     | -6.19 |
| F     | -8.5  | -4.3  |
| G     | -6.25 | 0     |
| H     | -8.5  | 4.3   |

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| Designed By:   |                                    | Date:                      | <b>CUSTOMER DRAWING</b>   |
| <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° 8D521Z72BB-C</b> |                            | SHEET<br>2/2  |