



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

**CHARACTERISTICS**

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Aluminium
- Shell Plating : Olive drab Cadmium
- 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: 8D521W77SA**

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

|                |                         |   |   |    |   |    |   |   |                                    |
|----------------|-------------------------|---|---|----|---|----|---|---|------------------------------------|
| BASIC SERIES:  | 8D                      | 5 | - | 21 | W | 77 | S | A | ORIENTATION : A                    |
| SHELL TYPE :   | Plug with RFI Shielding |   |   |    |   |    |   |   | CONTACT TYPE : SOCKET(500 Matings) |
| CONTACT TYPE : | Standard Crimp Contact  |   |   |    |   |    |   |   | CONTACT LAYOUT : 21-77             |
| SHELL SIZE :   | 21                      |   |   |    |   |    |   |   |                                    |
| PLATING :      | W = Olive drab Cadmium  |   |   |    |   |    |   |   |                                    |

|                |                          |                                |   |
|----------------|--------------------------|--------------------------------|---|
| <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>8D521W77SA-C</b>   |
|                |                          |                                | SHEET<br>1/2  |

Contact Layout

**77**



17#22D  
2#8 Triax

| 21-77 |        |       |
|-------|--------|-------|
| Ctc   | X      | Y     |
| A     | 1.96   | 8.38  |
| B     | 5.46   | 7.67  |
| C     | 8.51   | 5.79  |
| D     | 10.46  | 2.82  |
| E     | 10.46  | -2.82 |
| F     | 8.51   | -5.79 |
| G     | 5.46   | -7.67 |
| H     | 1.96   | -8.38 |
| J     | 0      | -5.41 |
| K     | -1.96  | -8.38 |
| L     | -5.46  | -7.67 |
| M     | -8.51  | -5.79 |
| N     | -10.46 | -2.82 |
| P     | -10.46 | 2.82  |
| R     | -8.51  | 5.79  |
| S     | -5.46  | 7.67  |
| T     | -1.96  | 8.38  |
| U     | -4.57  | 0     |
| V     | 4.57   | 0     |

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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° 8D521W77SA-C</b> |                            | SHEET 2/2   |