



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 : Composite
- Shell Plating : Without Plating
- 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 : 2000 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: 8D525X41SBL**

|     |            |                          |        |
|-----|------------|--------------------------|--------|
| A   | 17-10-2016 | First Release            |        |
| ISS | DATE       | Latest modification - by | MOD N° |

Designed By: \_\_\_\_\_ Date: \_\_\_\_\_ **CUSTOMER DRAWING**

|              |                          |  |  |
|--------------|--------------------------|--|--|
| <b>TITLE</b> | Composite Plug 8D series |  |  |
|--------------|--------------------------|--|--|

|       |  |                            |                 |
|-------|--|----------------------------|-----------------|
| SCALE |  | General linear Tolerances: | NPRDS / PROJECT |
| NA    |  | ±--                        | <b>859</b>      |

|                |                        |   |
|----------------|------------------------|---|
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|           |                                     |            |
|-----------|-------------------------------------|------------|
| FORMAT    | <b>SOURIAU DRG N° 8D525X41SBL-C</b> | SHEET      |
| <b>A3</b> |                                     | <b>1/2</b> |

|                |                         |   |   |    |   |    |   |   |   |                                    |
|----------------|-------------------------|---|---|----|---|----|---|---|---|------------------------------------|
| BASIC SERIES:  | 8D                      | 5 | - | 25 | X | 41 | S | B | L | Delivered W/O Contacts             |
| SHELL TYPE :   | Plug with RFI Shielding |   |   |    |   |    |   |   |   | ORIENTATION : B                    |
| CONTACT TYPE : | Standard Crimp Contact  |   |   |    |   |    |   |   |   | CONTACT TYPE : SOCKET(500 Matings) |
| SHELL SIZE :   | 25                      |   |   |    |   |    |   |   |   | CONTACT LAYOUT : 25-41             |
| PLATING :      | X = Without Plating     |   |   |    |   |    |   |   |   |                                    |

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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| <b>TITLE</b>   | Composite Plug 8D series            |                                |   |
| SCALE          |                                     | General linear Tolerances: ±-- | NPRDS / PROJECT<br><b>859</b>   |
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