



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

**CHARACTERISTICS**

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Aluminium
- Shell Plating : 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 +200°C
- Salt Spray : 48 hours
- Mass : 47.75 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: 8D521F11SDL**

|   |                                     |                                |                               |
|---|-------------------------------------|--------------------------------|-------------------------------|
| A   | 06-10-2016                          | 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° 8D521F11SDL-C</b> |                                | SHEET<br>1/2                  |

|                |                         |   |   |    |                                    |    |   |   |   |                        |
|----------------|-------------------------|---|---|----|------------------------------------|----|---|---|---|------------------------|
| BASIC SERIES:  | 8D                      | 5 | - | 21 | F                                  | 11 | S | D | L | Delivered W/O Contacts |
| SHELL TYPE :   | Plug with RFI Shielding |   |   |    | ORIENTATION : D                    |    |   |   |   |                        |
| CONTACT TYPE : | Standard Crimp Contact  |   |   |    | CONTACT TYPE : SOCKET(500 Matings) |    |   |   |   |                        |
| SHELL SIZE :   | 21                      |   |   |    | CONTACT LAYOUT : 21-11             |    |   |   |   |                        |
| PLATING :      | F = Nickel              |   |   |    |                                    |    |   |   |   |                        |

4  
3  
2  
1

4 3 2 1

H G F E D C B A

H G F E D C B A

Contact Layout



| Contacts<br>(Insert arrangement 21-11) |             |             |                     |             |             |
|--|-------------|-------------|---------------------|-------------|-------------|
| Contact position ID                    | Location    |             | Contact position ID | Location    |             |
|  | X-axis (mm) | Y-axis (mm) |                     | X-axis (mm) | Y-axis (mm) |
| A                                      | +121 (3.07) | +332 (8.43) | G                   | -348 (8.84) | -061 (1.55) |
| B                                      | +306 (7.77) | +177 (4.50) | H                   | -306 (7.77) | +177 (4.50) |
| C                                      | +348 (8.84) | -061 (1.55) | J                   | -121 (3.07) | +332 (8.43) |
| D                                      | +227 (5.77) | -270 (6.86) | K                   | +000 (0.00) | +123 (3.12) |
| E                                      | +000 (0.00) | -353 (8.97) | L                   | +000 (0.00) | -115 (2.92) |
| F                                      | -227 (5.77) | -270 (6.86) | ---                 | ---         | ---         |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|------------------|------------|
| 21         | -11             | 11                 | 12            | I              | All              | MS20055-11 |

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| NA             |                                     | ±--                        | <b>859</b>  |
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| FORMAT         | <b>SOURIAU DRG N° 8D521F11SDL-C</b> |                            | SHEET 2/2   |