



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 : 57.36 g ± 10%

| Connector dimension |          |
|---------------------|----------|
| Dim                 | Nominal  |
| ØS                  | 44.9 Max |
| Z                   | 31 Max   |
| VV THREAD           | M34x1-6g |

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: 8D523F21SCL**

|              |            |                          |                         |
|--------------|------------|--------------------------|-------------------------|
| 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> |
| <b>SOURIAU</b>      |    | WWW.SOURIAU.COM                        |                               |
| FORMAT<br><b>A3</b> |    | SOURIAU DRG N°<br><b>8D523F21SCL-C</b> |                               |
|                     |    |  | SHEET<br>1/2                  |

|                |                         |   |   |    |                                    |    |   |   |   |                        |
|----------------|-------------------------|---|---|----|------------------------------------|----|---|---|---|------------------------|
| BASIC SERIES:  | 8D                      | 5 | - | 23 | F                                  | 21 | S | C | L | Delivered W/O Contacts |
| SHELL TYPE :   | Plug with RFI Shielding |   |   |    | ORIENTATION : C                    |    |   |   |   |                        |
| CONTACT TYPE : | Standard Crimp Contact  |   |   |    | CONTACT TYPE : SOCKET(500 Matings) |    |   |   |   |                        |
| SHELL SIZE :   | 23                      |   |   |    | CONTACT LAYOUT : 23-21             |    |   |   |   |                        |
| PLATING :      | F = Nickel              |   |   |    |                                    |    |   |   |   |                        |

Contact Layout



| Contacts<br>(Insert arrangement 23-21) |               |               |                     |              |              |
|--|---------------|---------------|---------------------|--------------|--------------|
| Contact position ID                    | Location      |               | Contact position ID | Location     |              |
|  | X-axis (mm)   | Y-axis (mm)   |                     | X-axis (mm)  | Y-axis (mm)  |
| A                                      | +128 (3.25)   | +385 (9.78)   | M                   | -289 (7.34)  | +285 (7.24)  |
| B                                      | +289 (7.34)   | +285 (7.24)   | N                   | -128 (3.25)  | +385 (9.78)  |
| C                                      | +386 (9.80)   | +123 (3.12)   | P                   | +000 (0.00)  | +245 (6.22)  |
| D                                      | +400 (10.16)  | -.065 (1.65)  | R                   | +160 (4.06)  | +146 (3.71)  |
| E                                      | +328 (8.33)   | -.239 (6.07)  | S                   | +214 (5.44)  | -.035 (0.89) |
| F                                      | +183 (4.65)   | -.362 (9.19)  | T                   | +.094 (2.39) | -.194 (4.93) |
| G                                      | +000 (0.00)   | -.406 (10.31) | U                   | -.094 (2.39) | -.194 (4.93) |
| H                                      | -.183 (4.65)  | -.362 (9.19)  | V                   | -.214 (5.44) | -.035 (0.89) |
| J                                      | -.328 (8.33)  | -.239 (6.07)  | W                   | -.160 (4.06) | +146 (3.71)  |
| K                                      | -.400 (10.16) | -.065 (1.65)  | X                   | +000 (0.00)  | +000 (0.00)  |
| L                                      | -.386 (9.80)  | +123 (3.12)   | ---                 | ---          | ---          |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|------------------|------------|
| 23         | -21             | 21                 | 16            | II             | All              | MS20056-21 |

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| SCALE          |                                     | General linear Tolerances: | NPRDS / PROJECT   |
| NA             |                                     | ±--                        | <b>859</b>  |
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| FORMAT         | <b>SOURIAU DRG N° 8D523F21SCL-C</b> |                            | SHEET 2/2   |