



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

**CHARACTERISTICS**

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Stainless Steel
- 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 : 500 hours
- Mass : 102.3 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: 8D523S21PEL**

|                |                                       |                                |                                                                                                       |
|----------------|---------------------------------------|--------------------------------|-------------------------------------------------------------------------------------------------------|
| A              | 07-10-2016                            | First Release                  |                                                                                                       |
| ISS            | DATE                                  | Latest modification - by       | MOD N°                                                                                                |
| Designed By:   |                                       | Date:                          | <b>CUSTOMER DRAWING</b>                                                                               |
| <b>TITLE</b>   | <b>Stainless Steel Plug 8D series</b> |                                |                                                                                                       |
| SCALE          | NA                                    | General linear Tolerances: ±-- | NPRDS / PROJECT<br><b>859</b>                                                                         |
| <b>SOURIAU</b> | <b>WWW.SOURIAU.COM</b>                |                                | This document is the property of SOURIAU it must not be reproduced or communicated without permission |
| FORMAT         | <b>A3</b>                             |                                | <b>SOURIAU DRG N° 8D523S21PEL-C</b>                                                                   |
|                |                                       |                                | SHEET<br>1/2                                                                                          |

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

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: 8D523S21PEL

|                |                                       |                            |                                                                                                       |
|----------------|---------------------------------------|----------------------------|-------------------------------------------------------------------------------------------------------|
| A              | 07-10-2016                            | First Release              |                                                                                                       |
| ISS            | DATE                                  | Latest modification - by   | MOD N°                                                                                                |
| Designed By:   |                                       | Date:                      | <b>CUSTOMER DRAWING</b>                                                                               |
| <b>TITLE</b>   | <b>Stainless Steel Plug 8D series</b> |                            |                                                                                                       |
| SCALE          |                                       | General linear Tolerances: | NPRDS / PROJECT                                                                                       |
| NA             |                                       | ±--                        | <b>859</b>                                                                                            |
| <b>SOURIAU</b> | <b>WWW.SOURIAU.COM</b>                |                            | This document is the property of SOURIAU it must not be reproduced or communicated without permission |
| FORMAT         | <b>SOURIAU DRG N° 8D523S21PEL-C</b>   |                            | SHEET 2/2                                                                                             |