



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

| Connector dimension |          |
|---------------------|----------|
| Dim                 | Nominal  |
| ØS                  | 35.7 Max |
| Z                   | 31 Max   |
| VV THREAD           | M25x1-6g |

**CHARACTERISTICS**

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Stainless Steel
- Shell Plating : Passivated
- 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 : 69.29 g ± 10%

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: 8D517K99SCL**

|              |            |                          |                         |
|--------------|------------|--------------------------|-------------------------|
| A            | 17-10-2016 | 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>      |

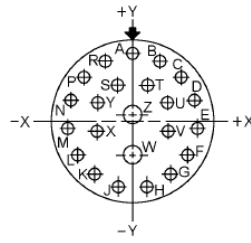
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|           |                       |            |
|-----------|-----------------------|------------|
| FORMAT    | <b>SOURIAU DRG N°</b> | SHEET      |
| <b>A3</b> | <b>8D517K99SCL-C</b>  | <b>1/2</b> |

|                |                         |   |   |    |                                    |    |   |   |   |                        |
|----------------|-------------------------|---|---|----|------------------------------------|----|---|---|---|------------------------|
| BASIC SERIES:  | 8D                      | 5 | - | 17 | K                                  | 99 | 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 :   | 17                      |   |   |    | CONTACT LAYOUT : 17-99             |    |   |   |   |                        |
| PLATING :      | K = Passivated          |   |   |    |                                    |    |   |   |   |                        |

4  
3  
2  
1

**Contact Layout**



| Contact position ID | Contact location |             | Contact position ID | Contact location |             |
|---------------------|------------------|-------------|---------------------|------------------|-------------|
|                     | X-axis (mm)      | Y-axis (mm) |                     | X-axis (mm)      | Y-axis (mm) |
| A                   | .000 (0.00)      | +321 (8.15) | N                   | -305 (7.75)      | +099 (2.51) |
| B                   | +131 (3.33)      | +293 (7.44) | P                   | -239 (6.07)      | +214 (5.44) |
| C                   | +239 (6.07)      | +214 (5.44) | R                   | -131 (3.33)      | +293 (7.44) |
| D                   | -305 (7.75)      | +099 (2.51) | o                   | -070 (1.78)      | -177 (4.50) |
| E                   | +319 (8.10)      | -034 (0.86) | T                   | +070 (1.78)      | +177 (4.50) |
| F                   | +278 (7.06)      | -161 (4.09) | U                   | +175 (4.45)      | +094 (2.39) |
| G                   | +189 (4.80)      | -260 (6.60) | V                   | +150 (3.81)      | -075 (1.91) |
| H                   | +067 (1.70)      | -314 (7.98) | W                   | +000 (0.00)      | -161 (4.09) |
| J                   | -067 (1.70)      | -314 (7.98) | X                   | -150 (3.81)      | -075 (1.91) |
| K                   | -189 (4.80)      | -260 (6.60) | Y                   | -175 (4.45)      | +094 (2.39) |
| L                   | -278 (7.06)      | -161 (4.09) | Z                   | +000 (0.00)      | +025 (0.64) |
| M                   | -319 (8.10)      | -034 (0.86) |                     |                  |             |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact position ID | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|---------------------|------------|
| 17         | -99             | 2                  | 16            | I              | W, Z                | MS20053-99 |
|            |                 | 21                 | 20            |                | All others          |            |

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| NA             |                                       | ±--                        | <b>859</b>  |
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| FORMAT         | <b>SOURIAU DRG N° 8D517K99SCL-C</b>   |                            | SHEET 2/2   |