



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

**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 with Souriau contacts and Accessories
- Temperature Range : -65°C to +200°C
- Salt Spray : 500 hours
- Mass : 131.05 g ± 10%

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

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| Country | Jurisdiction & Control List |
|---------|-----------------------------|
| FR      | Not Listed                  |

**PN: 8D523K55BE**

|                |                                       |  |                               |
|----------------|---------------------------------------|--|-------------------------------|
| A              | 06-10-2016                            | 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<br><b>859</b> |
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| FORMAT         | <b>SOURIAU DRG N° 8D523K55BE-C</b>    |  | SHEET<br>1/2                  |

|                |                         |   |   |    |   |    |   |   |                                    |
|----------------|-------------------------|---|---|----|---|----|---|---|------------------------------------|
| BASIC SERIES:  | 8D                      | 5 | - | 23 | K | 55 | B | E | ORIENTATION : E                    |
| SHELL TYPE :   | Plug with RFI Shielding |   |   |    |   |    |   |   | CONTACT TYPE : SOCKET(500 Matings) |
| CONTACT TYPE : | Standard Crimp Contact  |   |   |    |   |    |   |   | CONTACT LAYOUT : 23-55             |
| SHELL SIZE :   | 23                      |   |   |    |   |    |   |   |                                    |
| PLATING :      | K = Passivated          |   |   |    |   |    |   |   |                                    |

Contact Layout



| Contact position ID | Location     |              | Contact position ID | Location    |             |
|---------------------|--------------|--------------|---------------------|-------------|-------------|
|                     | X-axis (mm)  | Y-axis (mm)  |                     | X-axis (mm) | Y-axis (mm) |
| A                   | +112 (2.84)  | +455 (11.56) | f                   | -112 (2.84) | -325 (8.26) |
| B                   | +225 (5.72)  | +390 (9.91)  | g                   | -225 (5.72) | -260 (6.60) |
| C                   | +336 (8.53)  | +325 (8.26)  | h                   | -336 (8.53) | -195 (4.95) |
| D                   | +450 (11.43) | +130 (3.30)  | i                   | -336 (8.53) | -065 (1.65) |
| E                   | +450 (11.43) | +000 (0.00)  | j                   | -336 (8.53) | +065 (1.65) |
| F                   | +450 (11.43) | -130 (3.30)  | k                   | -336 (8.53) | +195 (4.95) |
| G                   | +336 (8.53)  | -325 (8.26)  | m                   | -225 (5.72) | +260 (6.60) |
| H                   | +225 (5.72)  | -390 (9.91)  | n                   | -112 (2.84) | +325 (8.26) |
| J                   | +112 (2.84)  | -455 (11.56) | p                   | +000 (0.00) | +260 (6.60) |
| K                   | -112 (2.84)  | -455 (11.56) | q                   | +112 (2.84) | +195 (4.95) |
| L                   | -225 (5.72)  | -390 (9.91)  | r                   | +225 (5.72) | +130 (3.30) |
| M                   | -336 (8.53)  | -325 (8.26)  | s                   | +225 (5.72) | +000 (0.00) |
| N                   | -450 (11.43) | -130 (3.30)  | t                   | +225 (5.72) | -130 (3.30) |
| P                   | -450 (11.43) | +000 (0.00)  | u                   | +112 (2.84) | -195 (4.95) |
| R                   | -450 (11.43) | +130 (3.30)  | v                   | +000 (0.00) | -260 (6.60) |
| S                   | -336 (8.53)  | +325 (8.26)  | w                   | -112 (2.84) | -195 (4.95) |
| T                   | -225 (5.72)  | +390 (9.91)  | x                   | -225 (5.72) | -130 (3.30) |
| U                   | -112 (2.84)  | +455 (11.56) | y                   | -225 (5.72) | +000 (0.00) |
| V                   | +000 (0.00)  | +390 (9.91)  | z                   | -225 (5.72) | +130 (3.30) |
| W                   | +112 (2.84)  | +325 (8.26)  | AA                  | -112 (2.84) | +195 (4.95) |
| X                   | +225 (5.72)  | +260 (6.60)  | BB                  | +000 (0.00) | +130 (3.30) |
| Y                   | +336 (8.53)  | +195 (4.95)  | CC                  | +112 (2.84) | +065 (1.65) |
| Z                   | +336 (8.53)  | +065 (1.65)  | DD                  | +112 (2.84) | -065 (1.65) |
| a                   | +336 (8.53)  | -065 (1.65)  | EE                  | +000 (0.00) | -130 (3.30) |
| b                   | +336 (8.53)  | -195 (4.95)  | FF                  | -112 (2.84) | -065 (1.65) |
| c                   | +225 (5.72)  | -260 (6.60)  | GG                  | -112 (2.84) | +065 (1.65) |
| d                   | +112 (2.84)  | -325 (8.26)  | HH                  | +000 (0.00) | +000 (0.00) |
| e                   | +000 (0.00)  | -390 (9.91)  | ---                 | ---         | ---         |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|------------------|------------|
| 23         | -55             | 55                 | 20            | I              | All              | ---        |

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| FORMAT         | <b>SOURIAU DRG N° 8D523K55BE-C</b> |                                | SHEET   |
| <b>A3</b>      |                                    |                                | <b>2/2</b>  |