



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 with Souriau contacts and Accessories
- Temperature Range : -65°C to +200°C
- Salt Spray : 500 hours
- Mass : 82.43 g ± 10%

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

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: 8D517S35SB**

|   |                                    |                                |                               |
|---|------------------------------------|--------------------------------|-------------------------------|
| A   | 17-10-2016                         | First Release                  |                               |
| ISS   | DATE                               | Latest modification - by       | MOD N°                        |
| Designed By:  |                                    | Date:                          | <b>CUSTOMER DRAWING</b>       |
| <b>TITLE</b>  |                                    | Stainless Steel Plug 8D series |                               |
| SCALE   | NA                                 | General linear Tolerances: ±-- | NPRDS / PROJECT<br><b>859</b> |
| <b>SOURIAU</b>  |                                    | WWW.SOURIAU.COM                |                               |
| This document is the property of SOURIAU it must not be reproduced or communicated without permission |                                    |                                |                               |
| FORMAT  | <b>SOURIAU DRG N° 8D517S35SB-C</b> |                                | SHEET<br>1/2                  |

|                |                         |   |   |    |   |    |   |   |                                    |
|----------------|-------------------------|---|---|----|---|----|---|---|------------------------------------|
| BASIC SERIES:  | 8D                      | 5 | - | 17 | S | 35 | S | B | ORIENTATION : B                    |
| SHELL TYPE :   | Plug with RFI Shielding |   |   |    |   |    |   |   | CONTACT TYPE : SOCKET(500 Matings) |
| CONTACT TYPE : | Standard Crimp Contact  |   |   |    |   |    |   |   | CONTACT LAYOUT : 17-35             |
| SHELL SIZE :   | 17                      |   |   |    |   |    |   |   |                                    |
| PLATING :      | S = Nickel              |   |   |    |   |    |   |   |                                    |

Contact Layout



| Contacts<br>(Insert arrangement 17-35) |              |              |                     |             |              |
|--|--------------|--------------|---------------------|-------------|--------------|
| Contact position ID                    | Location     |              | Contact position ID | Location    |              |
|  | X-axis (mm)  | Y-axis (mm)  |                     | X-axis (mm) | Y-axis (mm)  |
| 1                                      | -312 (7.92)  | +086 (2.18)  | 29                  | .000 (0.00) | -.094 (2.39) |
| 2                                      | -312 (7.92)  | -.004 (0.10) | 30                  | .000 (0.00) | -.184 (4.67) |
| 3                                      | -312 (7.92)  | -.094 (2.39) | 31                  | .000 (0.00) | -.274 (6.96) |
| 4                                      | -.242 (6.15) | +221 (5.61)  | 32                  | +089 (2.26) | +316 (8.03)  |
| 5                                      | -.234 (5.94) | +131 (3.33)  | 33                  | +078 (1.98) | +221 (5.61)  |
| 6                                      | -.234 (5.94) | +041 (1.04)  | 34                  | +078 (1.98) | +131 (3.33)  |
| 7                                      | -.234 (5.94) | -.049 (1.24) | 35                  | +078 (1.98) | +041 (1.04)  |
| 8                                      | -.234 (5.94) | -.139 (3.53) | 36                  | +078 (1.98) | -.049 (1.24) |
| 9                                      | -.234 (5.94) | -.229 (5.82) | 37                  | +078 (1.98) | -.139 (3.53) |
| 10                                     | -.172 (4.37) | +279 (7.09)  | 38                  | +078 (1.98) | -.229 (5.82) |
| 11                                     | -.156 (3.96) | +176 (4.47)  | 39                  | +078 (1.98) | -.319 (8.10) |
| 12                                     | -.156 (3.96) | +086 (2.18)  | 40                  | +172 (4.37) | +279 (7.09)  |
| 13                                     | -.156 (3.96) | -.004 (0.10) | 41                  | +156 (3.96) | +176 (4.47)  |
| 14                                     | -.156 (3.96) | -.094 (2.39) | 42                  | +156 (3.96) | +086 (2.18)  |
| 15                                     | -.156 (3.96) | -.184 (4.67) | 43                  | +156 (3.96) | -.004 (0.10) |
| 16                                     | -.156 (3.96) | -.274 (6.96) | 44                  | +156 (3.96) | -.094 (2.39) |
| 17                                     | -.089 (2.26) | +316 (8.03)  | 45                  | +156 (3.96) | -.184 (4.67) |
| 18                                     | -.078 (1.98) | +221 (5.61)  | 46                  | +156 (3.96) | -.274 (6.96) |

| Contacts<br>(Insert arrangement 17-35) |              |              |                     |             |              |
|--|--------------|--------------|---------------------|-------------|--------------|
| Contact position ID                    | Location     |              | Contact position ID | Location    |              |
|  | X-axis (mm)  | Y-axis (mm)  |                     | X-axis (mm) | Y-axis (mm)  |
| 19                                     | -.078 (1.98) | +131 (3.33)  | 47                  | +242 (6.15) | +221 (5.61)  |
| 20                                     | -.078 (1.98) | +041 (1.04)  | 48                  | +234 (5.94) | +131 (3.33)  |
| 21                                     | -.078 (1.98) | -.049 (1.24) | 49                  | +234 (5.94) | +041 (1.04)  |
| 22                                     | -.078 (1.98) | -.139 (3.53) | 50                  | +234 (5.94) | -.049 (1.24) |
| 23                                     | -.078 (1.98) | -.229 (5.82) | 51                  | +234 (5.94) | -.139 (3.53) |
| 24                                     | -.078 (1.98) | -.319 (8.10) | 52                  | +234 (5.94) | -.229 (5.82) |
| 25                                     | .000 (0.00)  | +329 (8.36)  | 53                  | +312 (7.92) | +086 (2.18)  |
| 26                                     | .000 (0.00)  | +176 (4.47)  | 54                  | +312 (7.92) | -.004 (0.10) |
| 27                                     | .000 (0.00)  | +086 (2.18)  | 55                  | +312 (7.92) | -.094 (2.39) |
| 28                                     | .000 (0.00)  | -.004 (0.10) | ---                 | ---         | ---          |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|------------------|------------|
| 17         | -35             | 55                 | 22D           | M              | All              | MS27529-35 |

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: 8D517S35SB

|                |                                       |                            |   |
|----------------|---------------------------------------|----------------------------|---|
| 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>  |
| <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° 8D517S35SB-C</b>    |                            | SHEET 2/2   |