



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

**CHARACTERISTICS**

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Aluminium
- Shell Plating : Olive drab Cadmium
- 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 +175°C
- Salt Spray : 500 hours
- Mass : 26.67 g ± 10%

| Connector dimension |          |
|---------------------|----------|
| Dim                 | Nominal  |
| ØS                  | 32.5 Max |
| Z                   | 31 Max   |
| VV THREAD           | M22x1-6g |

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: 8D515W35SDL**

|   |                                     |                                |                               |
|---|-------------------------------------|--------------------------------|-------------------------------|
| A   | 19-10-2016                          | 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> |
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| FORMAT  | <b>SOURIAU DRG N° 8D515W35SDL-C</b> |                                | SHEET<br>1/2                  |

|                |                         |   |   |    |                                    |    |   |   |   |                        |
|----------------|-------------------------|---|---|----|------------------------------------|----|---|---|---|------------------------|
| BASIC SERIES:  | 8D                      | 5 | - | 15 | W                                  | 35 | S | D | L | Delivered W/O Contacts |
| SHELL TYPE :   | Plug with RFI Shielding |   |   |    | ORIENTATION : D                    |    |   |   |   |                        |
| CONTACT TYPE : | Standard Crimp Contact  |   |   |    | CONTACT TYPE : SOCKET(500 Matings) |    |   |   |   |                        |
| SHELL SIZE :   | 15                      |   |   |    | CONTACT LAYOUT : 15-35             |    |   |   |   |                        |
| PLATING :      | W = Olive drab Cadmium  |   |   |    |                                    |    |   |   |   |                        |

Contact Layout



| Contacts<br>(Insert arrangement 15-35) |             |             |                     |             |             |
|--|-------------|-------------|---------------------|-------------|-------------|
| Contact position ID                    | Location    |             | Contact position ID | Location    |             |
|  | X-axis (mm) | Y-axis (mm) |                     | X-axis (mm) | Y-axis (mm) |
| 1                                      | +045 (1.14) | +262 (6.65) | 20                  | +123 (3.12) | +119 (3.02) |
| 2                                      | +123 (3.12) | +217 (5.51) | 21                  | +170 (4.32) | +040 (1.02) |
| 3                                      | +211 (5.36) | +160 (4.06) | 22                  | +170 (4.32) | -050 (1.27) |
| 4                                      | +254 (6.45) | +080 (2.03) | 23                  | +123 (3.12) | -127 (3.23) |
| 5                                      | -200 (0.70) | -010 (2.5)  | 24                  | -045 (1.14) | -172 (4.37) |
| 6                                      | +247 (6.27) | -098 (2.49) | 25                  | -045 (1.14) | -127 (4.37) |
| 7                                      | +200 (5.08) | -175 (4.45) | 26                  | -123 (3.12) | -127 (3.23) |
| 8                                      | +130 (3.30) | -232 (5.89) | 27                  | -170 (4.32) | -050 (1.27) |
| 9                                      | +045 (1.14) | -262 (6.65) | 28                  | -170 (4.32) | +040 (1.02) |
| 10                                     | -045 (1.14) | -262 (6.65) | 29                  | -123 (3.12) | +119 (3.02) |
| 11                                     | -130 (3.30) | -232 (5.89) | 30                  | -045 (1.14) | +172 (4.37) |
| 12                                     | -200 (5.08) | -175 (4.45) | 31                  | +045 (1.14) | +074 (1.88) |
| 13                                     | -247 (6.27) | -098 (2.49) | 32                  | +090 (2.29) | -004 (0.10) |
| 14                                     | -266 (6.76) | -010 (2.5)  | 33                  | +045 (1.14) | -082 (2.08) |
| 15                                     | -254 (6.45) | +080 (2.03) | 34                  | -045 (1.14) | -082 (2.08) |
| 16                                     | -211 (5.36) | +160 (4.06) | 35                  | -090 (2.29) | -004 (0.10) |
| 17                                     | -123 (3.12) | +217 (5.51) | 36                  | -045 (1.14) | +074 (1.88) |
| 18                                     | -045 (1.14) | +262 (6.65) | 37                  | +000 (0.00) | -004 (0.10) |
| 19                                     | +045 (1.14) | +172 (4.37) | ---                 | ---         | ---         |

(Applicable to MIL-DTL-38999 only)

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|------------------|------------|
| 15         | -35             | 37                 | 22D           | M              | All              | MS27528-35 |

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| FORMAT         | <b>SOURIAU DRG N° 8D515W35SDL-C</b> |                            | SHEET 2/2   |