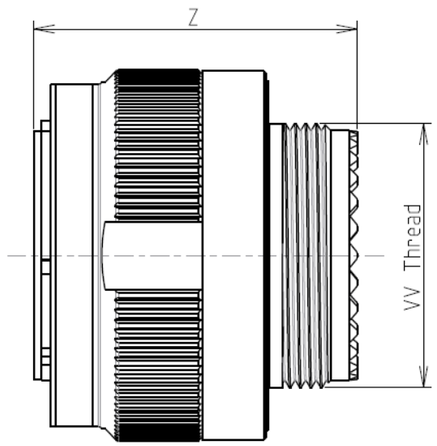
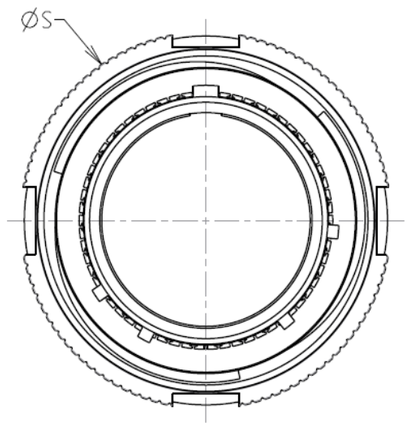
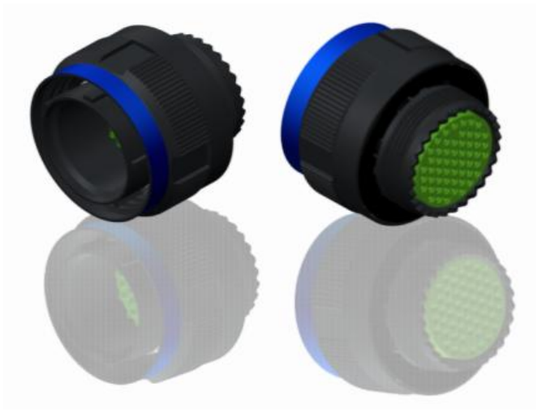



Keying Shown as example



LAYOUT SHOWN AS EXAMPLE

**CHARACTERISTICS**

-Standard : Based on MIL-DTL-38999 Series III
-Shell Material : Aluminium
-Shell Plating : Black Zinc 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 +175°C
-Salt Spray : 500 hours
-Mass : 37.29 g ± 10%

| Connector dimension | |
|---|---|
| **Dim** | **Nominal** |
| ØS | 38.5 Max |
| Z | 31 Max |
| VV THREAD | M28x1-6g |

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: 8D519Z35PE

| BASIC SERIES: | 8D | 5 | - | 19 | Z | 35 | P | E |
|---|---|---|---|---|---|---|---|---|
| SHELL TYPE : Plug with RFI Shielding | | | | | | | | |
| CONTACT TYPE : Standard Crimp Contact | | | | | | | | |
| SHELL SIZE : 19 | | | | | | | | |
| PLATING : Z = Black Zinc Nickel | | | | | | | | |
| | | | | | | | | ORIENTATION : E |
| | | | | | | | | CONTACT TYPE : PIN(500 Matings) |
| | | | | | | | | CONTACT LAYOUT : 19-35 |

| ISS | DATE | Latest modification - by | MOD N° |
|---|---|---|---|
| A | 19-10-2016 | First Release | |

Designed By: Date: **CUSTOMER DRAWING**

**TITLE** Aluminium Plug 8D series

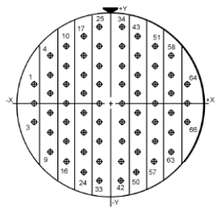
SCALE NA | General linear Tolerances: ±-- | NPRDS / PROJECT **859**

**SOURIAU** WWW.SOURIAU.COM



FORMAT A3 | SOURIAU DRG N° 8D519Z35PE-C | SHEET 1/2

## Contact Layout




| Contacts (Insert arrangement 19-35) | | | | | |
|---|---|---|---|---|---|
| Contact position ID | Location | | Contact position ID | Location | |
| | X-axis (mm) | Y-axis (mm) | | X-axis (mm) | Y-axis (mm) |
| 1 | -.357 (9.07) | +.090 (2.29) | 34 | +.045 (1.14) | +.360 (9.14) |
| 2 | -.357 (9.07) | +.000 (0.00) | 35 | +.045 (1.14) | +.270 (6.86) |
| 3 | -.357 (9.07) | -.090 (2.29) | 36 | +.045 (1.14) | +.180 (4.57) |
| 4 | -.279 (7.09) | +.225 (5.72) | 37 | +.045 (1.14) | +.090 (2.29) |
| 5 | -.279 (7.09) | +.135 (3.43) | 38 | +.045 (1.14) | +.000 (0.00) |
| 6 | -.279 (7.09) | +.045 (1.14) | 39 | +.045 (1.14) | -.090 (2.29) |
| 7 | -.279 (7.09) | -.045 (1.14) | 40 | +.045 (1.14) | -.180 (4.57) |
| 8 | -.279 (7.09) | -.135 (3.43) | 41 | +.045 (1.14) | -.270 (6.86) |
| 9 | -.279 (7.09) | -.225 (5.72) | 42 | +.045 (1.14) | -.360 (9.14) |
| 10 | -.201 (5.11) | +.270 (6.86) | 43 | +.123 (3.12) | +.315 (8.00) |
| 11 | -.201 (5.11) | +.180 (4.57) | 44 | +.123 (3.12) | +.225 (5.72) |
| 12 | -.201 (5.11) | +.090 (2.29) | 45 | +.123 (3.12) | +.135 (3.43) |
| 13 | -.201 (5.11) | +.000 (0.00) | 46 | +.123 (3.12) | +.045 (1.14) |
| 14 | -.201 (5.11) | -.090 (2.29) | 47 | +.123 (3.12) | -.045 (1.14) |
| 15 | -.201 (5.11) | -.180 (4.57) | 48 | +.123 (3.12) | -.135 (3.43) |
| 16 | -.201 (5.11) | -.270 (6.86) | 49 | +.123 (3.12) | -.225 (5.72) |
| 17 | -.123 (3.12) | +.315 (8.00) | 50 | +.123 (3.12) | -.315 (8.00) |

| Contacts (Insert arrangement 19-35) | | | | | |
|---|---|---|---|---|---|
| Contact position ID | Location | | Contact position ID | Location | |
| | X-axis (mm) | Y-axis (mm) | | X-axis (mm) | Y-axis (mm) |
| 18 | -.123 (3.12) | +.225 (5.72) | 51 | +.201 (5.11) | +.270 (6.86) |
| 19 | -.123 (3.12) | +.135 (3.43) | 52 | +.201 (5.11) | +.180 (4.57) |
| 20 | -.123 (3.12) | +.045 (1.14) | 53 | +.201 (5.11) | +.090 (2.29) |
| 21 | -.123 (3.12) | -.045 (1.14) | 54 | +.201 (5.11) | +.000 (0.00) |
| 22 | -.123 (3.12) | -.135 (3.43) | 55 | +.201 (5.11) | -.090 (2.29) |
| 23 | -.123 (3.12) | -.225 (5.72) | 56 | +.201 (5.11) | -.180 (4.57) |
| 24 | .123 (3.12) | .315 (8.00) | 57 | +.201 (5.11) | .270 (6.86) |
| 25 | -.045 (1.14) | +.360 (9.14) | 58 | +.279 (7.09) | +.225 (5.72) |
| 26 | -.045 (1.14) | +.270 (6.86) | 59 | +.279 (7.09) | +.135 (3.43) |
| 27 | -.045 (1.14) | +.180 (4.57) | 60 | +.279 (7.09) | +.045 (1.14) |
| 28 | -.045 (1.14) | +.090 (2.29) | 61 | +.279 (7.09) | -.045 (1.14) |
| 29 | -.045 (1.14) | +.000 (0.00) | 62 | +.279 (7.09) | -.135 (3.43) |
| 30 | -.045 (1.14) | -.090 (2.29) | 63 | +.279 (7.09) | -.225 (5.72) |
| 31 | -.045 (1.14) | -.180 (4.57) | 64 | +.357 (9.07) | +.090 (2.29) |
| 32 | -.045 (1.14) | -.270 (6.86) | 65 | +.357 (9.07) | +.000 (0.00) |
| 33 | -.045 (1.14) | -.360 (9.14) | 66 | +.357 (9.07) | -.090 (2.29) |

(Applicable to MIL-DTL-38999 only)

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
|---|---|---|---|---|---|---|
| 19 | -35 | 66 | 22D | M | All | MS27530-35 |



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

# PN: 8D519Z35PE

| ISS | DATE | Latest modification - by | MOD N° |
|---|---|---|---|
| A | 19-10-2016 | First Release | |

Designed By: Date: **CUSTOMER DRAWING**

**TITLE** Aluminium Plug 8D series

SCALE NA

General linear Tolerances: ±--

NPRDS / PROJECT **859**

**SOURIAU** WWW.SOURIAU.COM



FORMAT A3

SOURIAU DRG N° 8D519Z35PE-C