



LAYOUT SHOWN AS EXAMPLE

Keying 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 : 26.68 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: 8D515Z35PA**

|              |            |                          |                         |
|--------------|------------|--------------------------|-------------------------|
| 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 |  | General linear Tolerances: | NPRDS / PROJECT |
| NA    |  | ±--                        | <b>859</b>      |

|                |                        |  |
|----------------|------------------------|--|
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|-----------|------------------------------------|-------|
| FORMAT    | <b>SOURIAU DRG N° 8D515Z35PA-C</b> | SHEET |
| <b>A3</b> |                                    | 1/2   |

|                |                         |                   |   |    |   |    |   |   |                  |       |
|----------------|-------------------------|-------------------|---|----|---|----|---|---|------------------|-------|
| BASIC SERIES:  | 8D                      | 5                 | - | 15 | Z | 35 | P | A | ORIENTATION : A  |       |
| SHELL TYPE :   | Plug with RFI Shielding |                   |   |    |   |    |   |   |                  |       |
| CONTACT TYPE : | Standard Crimp Contact  |                   |   |    |   |    |   |   |                  |       |
| SHELL SIZE :   | 15                      |                   |   |    |   |    |   |   |                  |       |
| PLATING :      | Z =                     | Black Zinc Nickel |   |    |   |    |   |   | CONTACT LAYOUT : | 15-35 |

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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