



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 without Souriau contacts
- Temperature Range : -65°C to +175°C
- Salt Spray : 500 hours

| 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: 8D519Z28SAL**

|              |            |                          |                         |
|--------------|------------|--------------------------|-------------------------|
| A            | 19-10-2016 | First Release            |                         |
| ISS          | DATE       | Latest modification - by | MOD N°                  |
| Designed By: |            | Date:                    | <b>CUSTOMER DRAWING</b> |

|              |                                 |  |  |
|--------------|---------------------------------|--|--|
| <b>TITLE</b> | <b>Aluminium Plug 8D series</b> |  |  |
|--------------|---------------------------------|--|--|

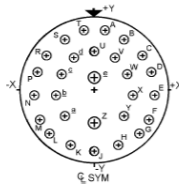
|       |  |                            |                 |
|-------|--|----------------------------|-----------------|
| SCALE |  | General linear Tolerances: | NPRDS / PROJECT |
| NA    |  | ±--                        | <b>859</b>      |

|                |                        |   |
|----------------|------------------------|---|
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|           |                                     |            |
|-----------|-------------------------------------|------------|
| FORMAT    | <b>SOURIAU DRG N° 8D519Z28SAL-C</b> | SHEET      |
| <b>A3</b> |                                     | <b>1/2</b> |

|                |                         |   |   |    |                                    |    |   |   |   |                        |
|----------------|-------------------------|---|---|----|------------------------------------|----|---|---|---|------------------------|
| BASIC SERIES:  | 8D                      | 5 | - | 19 | Z                                  | 28 | S | A | L | Delivered W/O Contacts |
| SHELL TYPE :   | Plug with RFI Shielding |   |   |    | ORIENTATION : A                    |    |   |   |   |                        |
| CONTACT TYPE : | Standard Crimp Contact  |   |   |    | CONTACT TYPE : SOCKET(500 Matings) |    |   |   |   |                        |
| SHELL SIZE :   | 19                      |   |   |    | CONTACT LAYOUT : 19-28             |    |   |   |   |                        |
| PLATING :      | Z = Black Zinc Nickel   |   |   |    |                                    |    |   |   |   |                        |

Contact Layout



| Contacts<br>(Insert arrangement 19-28) |                  |             |                     |                  |             |
|--|------------------|-------------|---------------------|------------------|-------------|
| Contact position ID                    | Contact location |             | Contact position ID | Contact location |             |
|  | X-axis (mm)      | Y-axis (mm) |                     | X-axis (mm)      | Y-axis (mm) |
| A                                      | +066 (1.68)      | +353 (8.97) | R                   | -286 (7.26)      | +217 (5.51) |
| B                                      | +189 (4.80)      | +305 (7.75) | S                   | -189 (4.80)      | +305 (7.75) |
| C                                      | +286 (7.26)      | +217 (5.51) | T                   | -066 (1.68)      | +353 (8.97) |
| D                                      | +345 (8.76)      | +098 (2.49) | U                   | +000 (0.00)      | +230 (5.84) |
| E                                      | +357 (9.07)      | -033 (0.84) | V                   | +124 (3.15)      | +193 (4.90) |
| F                                      | +321 (8.15)      | -160 (4.06) | W                   | +209 (5.31)      | +095 (2.41) |
| G                                      | +242 (6.15)      | -265 (6.73) | X                   | +228 (5.79)      | -033 (0.84) |
| H                                      | +130 (3.30)      | -335 (8.51) | Y                   | +174 (4.42)      | -151 (3.84) |
| J                                      | +000 (0.00)      | -359 (9.12) | Z                   | +000 (0.00)      | -191 (4.85) |
| K                                      | -130 (3.30)      | -335 (8.51) | a                   | -174 (4.42)      | -151 (3.84) |
| L                                      | -242 (6.15)      | -265 (6.73) | b                   | -228 (5.79)      | -033 (0.84) |
| M                                      | -321 (8.15)      | -160 (4.06) | c                   | -209 (5.31)      | +095 (2.41) |
| N                                      | -357 (9.07)      | -033 (0.84) | d                   | -124 (3.15)      | +193 (4.90) |
| P                                      | -345 (8.76)      | +098 (2.49) | e                   | +000 (0.00)      | +062 (1.57) |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|------------------|------------|
| 19         | -28             | 2                  | 16            | I              | a, Z             | MS20054-28 |
|            |                 | 26                 | 20            |                | All others       |            |

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| FORMAT         | <b>SOURIAU DRG N° 8D519Z28SAL-C</b> |                            | SHEET 2/2   |