



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 with Souriau contacts and Accessories
- Temperature Range : -65°C to +175°C
- Salt Spray : 500 hours
- Mass : 36.98 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: 8D519W32PE**

|   |                                    |                                |                               |
|---|------------------------------------|--------------------------------|-------------------------------|
| 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° 8D519W32PE-C</b> |                                | SHEET<br>1/2                  |

|                |                         |   |   |    |   |    |   |                                 |
|----------------|-------------------------|---|---|----|---|----|---|---------------------------------|
| BASIC SERIES:  | 8D                      | 5 | - | 19 | W | 32 | P | E                               |
| SHELL TYPE :   | Plug with RFI Shielding |   |   |    |   |    |   |                                 |
| CONTACT TYPE : | Standard Crimp Contact  |   |   |    |   |    |   |                                 |
| SHELL SIZE :   | 19                      |   |   |    |   |    |   |                                 |
| PLATING :      | W = Olive drab Cadmium  |   |   |    |   |    |   |                                 |
|                |                         |   |   |    |   |    |   | ORIENTATION : E                 |
|                |                         |   |   |    |   |    |   | CONTACT TYPE : PIN(500 Matings) |
|                |                         |   |   |    |   |    |   | CONTACT LAYOUT : 19-32          |

4  
3  
2  
1

Contact Layout



| Contacts<br>(insert arrangement 19-32) |                  |             |                     |                  |             |            |
|--|------------------|-------------|---------------------|------------------|-------------|------------|
| Contact position ID                    | Contact location |             | Contact position ID | Contact location |             | Supersedes |
|  | X-axis (mm)      | Y-axis (mm) |                     | X-axis (mm)      | Y-axis (mm) |            |
| A                                      | +066 (1.68)      | +353 (8.97) | T                   | -066 (1.68)      | +353 (8.97) |            |
| B                                      | +189 (4.80)      | +305 (7.75) | U                   | +000 (0.00)      | +230 (5.84) |            |
| C                                      | +286 (7.26)      | +217 (5.51) | V                   | +124 (3.15)      | +193 (4.90) |            |
| D                                      | +345 (8.79)      | +098 (2.49) | w                   | +209 (5.31)      | +095 (2.41) |            |
| E                                      | +357 (9.07)      | -033 (0.84) | X                   | +228 (5.79)      | -033 (0.84) |            |
| F                                      | +321 (8.15)      | -160 (4.06) | Y                   | +174 (4.42)      | -151 (3.84) |            |
| G                                      | +242 (6.15)      | -265 (6.73) | Z                   | +065 (1.65)      | -221 (5.61) |            |
| H                                      | +130 (3.30)      | -335 (8.51) | a                   | -065 (1.65)      | -221 (5.61) |            |
| J                                      | -000 (0.00)      | -359 (9.12) | b                   | -174 (4.42)      | -151 (3.84) |            |
| K                                      | -130 (3.30)      | -335 (8.51) | c                   | -228 (5.79)      | -033 (0.84) |            |
| L                                      | -242 (6.15)      | -265 (6.73) | d                   | -209 (5.31)      | +095 (2.41) |            |
| M                                      | -321 (8.15)      | -160 (4.06) | e                   | -124 (3.15)      | +193 (4.90) |            |
| N                                      | -357 (9.07)      | -033 (0.84) | f                   | +000 (0.00)      | +096 (2.44) |            |
| P                                      | -345 (8.79)      | +098 (2.49) | g                   | +096 (2.44)      | +000 (0.00) |            |
| R                                      | -286 (7.26)      | +217 (5.51) | h                   | +000 (0.00)      | -096 (2.44) |            |
| S                                      | -189 (4.80)      | +305 (7.75) | j                   | -096 (2.44)      | +000 (0.00) |            |

  

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|------------------|------------|
| 19         | -32             | 32                 | 20            | I              | All              | MS20054-32 |

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