



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

**CHARACTERISTICS**

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Composite
- Shell Plating : 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 +200°C
- Salt Spray : 2000 hours

| Connector dimension |          |
|---------------------|----------|
| Dim                 | Nominal  |
| ØS                  | 38.5 Max |
| Z'                  | 31.5 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: 8D519M32HN**

|              |   |                                |   |
|--------------|---|--------------------------------|---|
| A            | 18-10-2016  | First Release                  |   |
| ISS          | DATE  | Latest modification - by       | MOD N°  |
| Designed By: |   | Date:                          | <b>CUSTOMER DRAWING</b>   |
| <b>TITLE</b> | <b>Composite Plug 8D series</b>                                     |                                |   |
| SCALE        |   | General linear Tolerances: ±-- | NPRDS / PROJECT<br><b>859</b>   |
| NA           | <b>SOURIAU</b> <a href="http://WWW.SOURIAU.COM">WWW.SOURIAU.COM</a> |                                | This document is the property of SOURIAU it must not be reproduced or communicated without permission |
| FORMAT       | <b>A3</b>   |                                | <b>SOURIAU DRG N° 8D519M32HN-C</b> SHEET 1/2  |

|                |                         |   |   |    |   |    |   |   |                                   |
|----------------|-------------------------|---|---|----|---|----|---|---|-----------------------------------|
| BASIC SERIES:  | 8D                      | 5 | - | 19 | M | 32 | H | N | ORIENTATION : N                   |
| SHELL TYPE :   | Plug with RFI Shielding |   |   |    |   |    |   |   | CONTACT TYPE : PIN (1500 Matings) |
| CONTACT TYPE : | Standard Crimp Contact  |   |   |    |   |    |   |   | CONTACT LAYOUT : 19-32            |
| SHELL SIZE :   | 19                      |   |   |    |   |    |   |   |                                   |
| PLATING :      | M = Nickel              |   |   |    |   |    |   |   |                                   |

Contact Layout



| Contacts<br>(Insert arrangement 19-32) |                  |              |                     |                  |              |
|--|------------------|--------------|---------------------|------------------|--------------|
| 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)  | 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 (8.76)      | -.095 (2.41) | 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 (8.76)     | +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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| FORMAT         | SOURIAU DRG N°<br>8D519M32HN-C |                                | SHEET<br>2/2  |