



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
- Mass : 36.1 g ± 10%

| Connector dimension | |
|---------------------|----------|
| Dim | Nominal |
| ØS | 35.7 Max |
| Z' | 31.5 Max |
| VV THREAD | M25x1-6g |

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: 8D517M99BA

| | | | |
|--------------|------------|--------------------------|-------------------------|
| A | 17-10-2016 | First Release | |
| ISS | DATE | Latest modification - by | MOD N° |
| Designed By: | | Date: | CUSTOMER DRAWING |

| | | | |
|--------------|---------------------------------|--|--|
| TITLE | Composite Plug 8D series | | |
|--------------|---------------------------------|--|--|

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

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|-----------|------------------------------------|------------|
| FORMAT | SOURIAU DRG N° 8D517M99BA-C | SHEET |
| A3 | | 1/2 |

| | | | | | | | | | |
|----------------|-------------------------|---|---|----|---|----|---|---|------------------------------------|
| BASIC SERIES: | 8D | 5 | - | 17 | M | 99 | B | A | ORIENTATION : A |
| SHELL TYPE : | Plug with RFI Shielding | | | | | | | | CONTACT TYPE : SOCKET(500 Matings) |
| CONTACT TYPE : | Standard Crimp Contact | | | | | | | | CONTACT LAYOUT : 17-99 |
| SHELL SIZE : | 17 | | | | | | | | |
| PLATING : | M = Nickel | | | | | | | | |

Contact Layout



| Contacts (Insert arrangement 17-99) | | | | | |
|--|------------------|--------------|---------------------|------------------|--------------|
| Contact position ID | Contact location | | Contact position ID | Contact location | |
| | X-axis (mm) | Y-axis (mm) | | X-axis (mm) | Y-axis (mm) |
| A | .000 (0.00) | +321 (8.15) | N | -.305 (7.75) | +099 (2.51) |
| B | +131 (3.33) | +293 (7.44) | P | -.239 (6.07) | +214 (5.44) |
| C | +239 (6.07) | +214 (5.44) | R | -.131 (3.33) | +293 (7.44) |
| D | -.305 (7.75) | -.000 (2.51) | S | .070 (1.78) | -.177 (4.50) |
| E | +319 (8.10) | -.034 (0.86) | T | +070 (1.78) | +177 (4.50) |
| F | +278 (7.06) | -.161 (4.09) | U | +175 (4.45) | +094 (2.39) |
| G | +189 (4.80) | -.260 (6.60) | V | +150 (3.81) | -.075 (1.91) |
| H | +067 (1.70) | -.314 (7.98) | W | +000 (0.00) | -.161 (4.09) |
| J | -.067 (1.70) | -.314 (7.98) | X | -.150 (3.81) | -.075 (1.91) |
| K | -.189 (4.80) | -.260 (6.60) | Y | -.175 (4.45) | +094 (2.39) |
| L | -.278 (7.06) | -.161 (4.09) | Z | +000 (0.00) | +025 (0.64) |
| M | -.319 (8.10) | -.034 (0.86) | | | |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact position ID | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|---------------------|------------|
| 17 | -99 | 2 | 16 | I | W, Z | MS20053-99 |
| | | 21 | 20 | | All others | |

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| FORMAT | SOURIAU DRG N° 8D517M99BA-C | | SHEET 2/2 |