

H G F E D C B A

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4
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1



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

CHARACTERISTICS

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Composite
- Shell Plating : Without Plating
- 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 : 2000 hours
- Mass : 9.8 g ± 10%

| Connector dimension | |
|---------------------|----------|
| Dim | Nominal |
| ØS | 21.8 Max |
| Z | 31 Max |
| VV THREAD | M12x1-6g |

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: 8D509X98BD

| | | | |
|--------------|------------|--------------------------|-------------------------|
| A | 15-10-2016 | First Release | |
| ISS | DATE | Latest modification - by | MOD N° |
| Designed By: | | Date: | CUSTOMER DRAWING |

| | | | | | | | | | |
|----------------|-------------------------|---|---|----|---|----|---|---|------------------------------------|
| BASIC SERIES: | 8D | 5 | - | 09 | X | 98 | B | D | ORIENTATION : D |
| SHELL TYPE : | Plug with RFI Shielding | | | | | | | | CONTACT TYPE : SOCKET(500 Matings) |
| CONTACT TYPE : | Standard Crimp Contact | | | | | | | | CONTACT LAYOUT : 09-98 |
| SHELL SIZE : | 09 | | | | | | | | |
| PLATING : | X = Without Plating | | | | | | | | |

| | | | |
|----------------|--------------------------|--------------------------------|---|
| TITLE | Composite Plug 8D series | | |
| SCALE | NA | General linear Tolerances: ±-- | NPRDS / PROJECT 859 |
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| FORMAT | A3 | | SOURIAU DRG N° 8D509X98BD-C |
| | | | SHEET 1/2 |

H G F E D C B A

Contact Layout



| Contact position ID | Contact location | |
|---------------------|------------------|-------------|
| | X-axis (mm) | Y-axis (mm) |
| A | +065 (1.65) | +038 (0.97) |
| B | +000 (0.00) | -075 (1.91) |
| C | -065 (1.65) | +038 (0.97) |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|------------------|------------|
| 9 | -98 | 3 | 20 | I | All | MS20049-98 |

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| TITLE | Composite Plug 8D series | | |
| SCALE | | General linear Tolerances: | NPRDS / PROJECT |
| NA | | ±-- | 859 |
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| A3 | | | 2/2 |