



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

CHARACTERISTICS

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Aluminium
- 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 : 48 hours
- Mass : 42.61 g ± 10%

| Connector dimension | |
|---------------------|----------|
| Dim | Nominal |
| ØS | 41.7 Max |
| Z | 31 Max |
| VV THREAD | M31x1-6g |

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: 8D521F16AA

| | | | |
|---|------------------------------------|--------------------------------|-------------------------------|
| A | 06-10-2016 | First Release | |
| ISS | DATE | Latest modification - by | MOD N° |
| Designed By: | | Date: | CUSTOMER DRAWING |
| TITLE | | Aluminium Plug 8D series | |
| SCALE | NA | General linear Tolerances: ±-- | NPRDS / PROJECT 859 |
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| FORMAT | SOURIAU DRG N° 8D521F16AA-C | | SHEET 1/2 |

| | | | | | | | | |
|---------------|---------------------------|---|---|----|------------------------|----|---------------------------------|---|
| BASIC SERIES: | 8D | 5 | - | 21 | F | 16 | A | A |
| SHELL TYPE | : Plug with RFI Shielding | | | | | | | |
| CONTACT TYPE | : Standard Crimp Contact | | | | | | | |
| SHELL SIZE | : 21 | | | | | | | |
| PLATING | : F = Nickel | | | | | | | |
| | | | | | ORIENTATION : A | | CONTACT TYPE : PIN(500 Matings) | |
| | | | | | CONTACT LAYOUT : 21-16 | | | |

Contact Layout



| Contacts (Insert arrangement 21-16) | | | | | |
|--|-------------|-------------|---------------------|-------------|-------------|
| Contact position ID | Location | | Contact position ID | Location | |
| | X-axis | Y-axis | | X-axis | Y-axis |
| A | +118 (3.00) | +322 (8.18) | J | -341 (8.66) | +036 (0.91) |
| B | +271 (6.88) | +211 (5.36) | K | -271 (6.88) | +211 (5.36) |
| C | +341 (8.66) | +036 (0.91) | L | -118 (3.00) | +322 (8.18) |
| D | +308 (7.82) | -150 (3.81) | M | +000 (0.00) | +175 (4.45) |
| E | +182 (4.62) | -290 (7.37) | N | +154 (3.91) | +062 (1.57) |
| F | +000 (0.00) | -343 (8.71) | P | +094 (2.39) | -122 (3.10) |
| G | -182 (4.62) | -290 (7.37) | R | -094 (2.39) | -122 (3.10) |
| H | -308 (7.82) | -150 (3.81) | S | -154 (3.91) | +062 (1.57) |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|------------------|------------|
| 21 | -16 | 16 | 16 | II | All | MS20055-16 |

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| Designed By: | | Date: | CUSTOMER DRAWING |
| TITLE | Aluminium Plug 8D series | | |
| SCALE | | General linear Tolerances: | NPRDS / PROJECT |
| NA | | ±-- | 859 |
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