



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

CHARACTERISTICS

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Aluminium
- Shell Plating : Black Zinc 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 +175°C
- Salt Spray : 500 hours
- Mass : 50.49 g ± 10%

| Connector dimension | |
|---------------------|----------|
| Dim | Nominal |
| ØS | 44.9 Max |
| Z | 31 Max |
| VV THREAD | M34x1-6g |

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: 8D523Z21AA

| | | | |
|--------------|------------|--------------------------|-------------------------|
| A | 07-10-2016 | First Release | |
| ISS | DATE | Latest modification - by | MOD N° |
| Designed By: | | Date: | CUSTOMER DRAWING |

| | | | | | | | | |
|----------------|-------------------------|---|---|----|---------------------------------|----|---|---|
| BASIC SERIES: | 8D | 5 | - | 23 | Z | 21 | A | A |
| SHELL TYPE : | Plug with RFI Shielding | | | | | | | |
| CONTACT TYPE : | Standard Crimp Contact | | | | | | | |
| SHELL SIZE : | 23 | | | | | | | |
| PLATING : | Z = Black Zinc Nickel | | | | | | | |
| | | | | | ORIENTATION : A | | | |
| | | | | | CONTACT TYPE : PIN(500 Matings) | | | |
| | | | | | CONTACT LAYOUT : 23-21 | | | |

| | | | |
|----------------|--------------------------|--------------------------------|---|
| TITLE | Aluminium Plug 8D series | | |
| SCALE | NA | General linear Tolerances: ±-- | NPRDS / PROJECT 859 |
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| FORMAT | A3 | | SOURIAU DRG N° 8D523Z21AA-C |
| | | | SHEET 1/2 |

Contact Layout



| Contacts (Insert arrangement 23-21) | | | | | |
|--|---------------|---------------|---------------------|--------------|--------------|
| Contact position ID | Location | | Contact position ID | Location | |
| | X-axis (mm) | Y-axis (mm) | | X-axis (mm) | Y-axis (mm) |
| A | +128 (3.25) | +385 (9.78) | M | -289 (7.34) | +285 (7.24) |
| B | +289 (7.34) | +285 (7.24) | N | -128 (3.25) | +385 (9.78) |
| C | +386 (9.80) | +123 (3.12) | P | +000 (0.00) | +245 (6.22) |
| D | +400 (10.16) | -.065 (1.65) | R | +160 (4.06) | +146 (3.71) |
| E | +328 (8.33) | -.239 (6.07) | S | +214 (5.44) | -.035 (0.89) |
| F | +183 (4.65) | -.362 (9.19) | T | +.094 (2.39) | -.194 (4.93) |
| G | +000 (0.00) | -.406 (10.31) | U | -.094 (2.39) | -.194 (4.93) |
| H | -.183 (4.65) | -.362 (9.19) | V | -.214 (5.44) | -.035 (0.89) |
| J | -.328 (8.33) | -.239 (6.07) | W | -.160 (4.06) | +146 (3.71) |
| K | -.400 (10.16) | -.065 (1.65) | X | +000 (0.00) | +000 (0.00) |
| L | -.386 (9.80) | +123 (3.12) | --- | --- | --- |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|------------------|------------|
| 23 | -21 | 21 | 16 | II | All | MS20056-21 |

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| Designed By: | | Date: | CUSTOMER DRAWING |
| TITLE | Aluminium Plug 8D series | | |
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| FORMAT | SOURIAU DRG N° 8D523Z21AA-C | | SHEET 2/2 |