



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

CHARACTERISTICS

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Aluminium
- Shell Plating : Olive drab Cadmium
- 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 : 71.38 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: 8D521W75BA

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

| | | | | | | | | |
|---------------|---------------------------|---|---|----|------------------------|----|---|------------------------------------|
| BASIC SERIES: | 8D | 5 | - | 21 | W | 75 | B | A |
| SHELL TYPE | : Plug with RFI Shielding | | | | | | | |
| CONTACT TYPE | : Standard Crimp Contact | | | | | | | |
| SHELL SIZE | : 21 | | | | | | | |
| PLATING | : W = Olive drab Cadmium | | | | CONTACT LAYOUT : 21-75 | | | |
| | | | | | | | | ORIENTATION : A |
| | | | | | | | | CONTACT TYPE : SOCKET(500 Matings) |

| | | | |
|----------------|--------------------------|--------------------------------|---|
| TITLE | Aluminium Plug 8D series | | |
| SCALE | NA | General linear Tolerances: ±-- | NPRDS / PROJECT 859 |
| SOURIAU | WWW.SOURIAU.COM | | This document is the property of SOURIAU it must not be reproduced or communicated without permission |
| FORMAT | A3 | | SOURIAU DRG N° 8D521W75BA-C |
| | | | SHEET 1/2 |

Contact Layout



(Inactive for new design for MIL-DTL-38999. For new design, use arrangement no. 21-76.)

| Contacts (Insert arrangement 21-75) | | |
|--|-------------|-------------|
| Contact position ID | Location | |
| | X axis | Y axis |
| A | +180 (4.57) | +180 (4.57) |
| B | +180 (4.57) | -180 (4.57) |
| C | -180 (4.57) | -180 (4.57) |
| D | -180 (4.57) | +180 (4.57) |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Standard contact | |
|------------|-----------------|--------------------|-----------------|----------------|------------------|------------------|---------------|
| | | | | | | Pin | Socket |
| 21 | -75 | 4 | 8 (see note) | Twinax | All | M39029/90-529 | M39029/91-530 |

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: 8D521W75BA

| | | | |
|----------------|------------------------------------|----------------------------|---|
| A | 10-10-2016 | First Release | |
| ISS | DATE | Latest modification - by | MOD N° |
| Designed By: | | Date: | CUSTOMER DRAWING |
| TITLE | Aluminium Plug 8D series | | |
| SCALE | | General linear Tolerances: | NPRDS / PROJECT |
| NA | | ±-- | 859 |
| SOURIAU | WWW.SOURIAU.COM | | This document is the property of SOURIAU it must not be reproduced or communicated without permission |
| FORMAT | SOURIAU DRG N° 8D521W75BA-C | | SHEET 2/2 |