



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 : 57.58 g ± 10%

| Connector dimension |          |
|---------------------|----------|
| Dim                 | Nominal  |
| ØS                  | 48 Max   |
| Z                   | 31 Max   |
| VV THREAD           | M37x1-6g |

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: 8D525Z29AC**

|              |   |                                |   |
|--------------|---|--------------------------------|---|
| A            | 17-10-2016  | First Release                  |   |
| ISS          | DATE  | Latest modification - by       | MOD N°  |
| Designed By: |   | Date:                          | <b>CUSTOMER DRAWING</b>   |
| <b>TITLE</b> | <b>Aluminium Plug 8D series</b>                                     |                                |   |
| SCALE        |   | General linear Tolerances: ±-- | NPRDS / PROJECT<br><b>859</b>   |
| NA           | <b>SOURIAU</b> <a href="http://WWW.SOURIAU.COM">WWW.SOURIAU.COM</a> |                                | This document is the property of SOURIAU it must not be reproduced or communicated without permission |
| FORMAT       | <b>A3</b>   |                                | <b>SOURIAU DRG N° 8D525Z29AC-C</b> SHEET 1/2  |

|                |                                 |   |   |    |   |    |   |   |                 |
|----------------|---------------------------------|---|---|----|---|----|---|---|-----------------|
| BASIC SERIES:  | 8D                              | 5 | - | 25 | Z | 29 | A | C | ORIENTATION : C |
| SHELL TYPE :   | Plug with RFI Shielding         |   |   |    |   |    |   |   |                 |
| CONTACT TYPE : | Standard Crimp Contact          |   |   |    |   |    |   |   |                 |
| SHELL SIZE :   | 25                              |   |   |    |   |    |   |   |                 |
| PLATING :      | Z = Black Zinc Nickel           |   |   |    |   |    |   |   |                 |
|                | CONTACT TYPE : PIN(500 Matings) |   |   |    |   |    |   |   |                 |
|                | CONTACT LAYOUT : 25-29          |   |   |    |   |    |   |   |                 |

Contact Layout



| Contacts<br>(Insert arrangement 25-29) |              |              |                     |             |             |
|--|--------------|--------------|---------------------|-------------|-------------|
| Contact position ID                    | Location     |              | Contact position ID | Location    |             |
|  | X-axis (mm)  | Y-axis (mm)  |                     | X-axis (mm) | Y-axis (mm) |
| A                                      | +000 (0.00)  | +481 (12.22) | S                   | -091 (2.31) | +321 (8.15) |
| B                                      | +258 (6.55)  | +406 (10.31) | T                   | +091 (2.31) | +321 (8.15) |
| C                                      | +395 (10.03) | +277 (7.04)  | U                   | +228 (5.79) | +194 (4.93) |
| D                                      | +469 (11.91) | +109 (2.77)  | V                   | +319 (8.10) | +000 (0.00) |
| E                                      | +460 (11.01) | -100 (2.77)  | W                   | +240 (6.10) | -181 (4.60) |
| F                                      | +395 (10.03) | -277 (7.04)  | X                   | +091 (2.31) | -290 (7.37) |
| G                                      | +263 (6.68)  | -406 (10.31) | Y                   | -091 (2.31) | -290 (7.37) |
| H                                      | +091 (2.31)  | -472 (11.99) | Z                   | -240 (6.10) | -181 (4.60) |
| J                                      | -091 (2.31)  | -472 (11.99) | a                   | -319 (8.10) | +000 (0.00) |
| K                                      | -263 (6.68)  | -406 (10.31) | b                   | -228 (5.79) | +194 (4.93) |
| L                                      | -395 (10.03) | -277 (7.04)  | c                   | +000 (0.00) | +161 (4.09) |
| M                                      | -469 (11.91) | -109 (2.77)  | d                   | +134 (3.40) | +000 (0.00) |
| N                                      | -469 (11.91) | +109 (2.77)  | e                   | +000 (0.00) | -130 (3.30) |
| P                                      | -395 (10.03) | +277 (7.04)  | f                   | -134 (3.40) | +000 (0.00) |
| R                                      | -258 (6.55)  | +406 (10.31) | ---                 | ---         | ---         |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|------------------|------------|
| 25         | -29             | 29                 | 16            | I              | All              | MS20057-29 |

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| <b>TITLE</b>   | Aluminium Plug 8D series           |                            |   |
| SCALE          |                                    | General linear Tolerances: | NPRDS / PROJECT   |
| NA             |                                    | ±--                        | <b>859</b>  |
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| FORMAT         | <b>SOURIAU DRG N° 8D525Z29AC-C</b> |                            | SHEET 2/2   |