



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 : 88.3 g ± 10%

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

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| Country | Jurisdiction & Control List |
|---------|-----------------------------|
| FR      | Not Listed                  |

**PN: 8D525Z43BD**

|              |   |                                    |   |
|--------------|---|------------------------------------|---|
| A            | 18-10-2016  | 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>   |                                    | SHEET<br>1/2  |
|              |   | <b>SOURIAU DRG N° 8D525Z43BD-C</b> |   |

|               |                           |   |   |    |   |    |   |                                    |
|---------------|---------------------------|---|---|----|---|----|---|------------------------------------|
| BASIC SERIES: | 8D                        | 5 | - | 25 | Z | 43 | B | D                                  |
| SHELL TYPE    | : Plug with RFI Shielding |   |   |    |   |    |   |                                    |
| CONTACT TYPE  | : Standard Crimp Contact  |   |   |    |   |    |   |                                    |
| SHELL SIZE    | : 25                      |   |   |    |   |    |   |                                    |
| PLATING       | : Z = Black Zinc Nickel   |   |   |    |   |    |   |                                    |
|               |                           |   |   |    |   |    |   | ORIENTATION : D                    |
|               |                           |   |   |    |   |    |   | CONTACT TYPE : SOCKET(500 Matings) |
|               |                           |   |   |    |   |    |   | CONTACT LAYOUT : 25-43             |

4  
3  
2  
1

**Contact Layout**



| Contacts<br>(Insert arrangement 25-43) |              |              |                     |             |              |
|--|--------------|--------------|---------------------|-------------|--------------|
| Contact position ID                    | Location     |              | Contact position ID | Location    |              |
|  | X-axis (mm)  | Y-axis (mm)  |                     | X-axis (mm) | Y-axis (mm)  |
| A                                      | +069 (1.75)  | +531 (13.49) | Z                   | -069 (1.75) | +531 (13.49) |
| B                                      | +203 (5.16)  | +495 (12.57) | a                   | +172 (4.37) | +344 (8.74)  |
| C                                      | +324 (8.23)  | +425 (10.80) | b                   | +258 (6.55) | +172 (4.37)  |
| D                                      | +424 (10.77) | +326 (8.28)  | c                   | +344 (8.74) | +000 (0.00)  |
| E                                      | +493 (12.52) | +205 (5.21)  | d                   | +344 (8.74) | -172 (4.37)  |
| F                                      | +531 (13.49) | +069 (1.75)  | e                   | +172 (4.37) | -344 (8.74)  |
| G                                      | +531 (13.49) | -069 (1.75)  | f                   | +000 (0.00) | -344 (8.74)  |
| H                                      | +493 (12.52) | -205 (5.21)  | g                   | -172 (4.37) | -344 (8.74)  |
| J                                      | +424 (10.77) | -326 (8.28)  | h                   | -344 (8.74) | -172 (4.37)  |
| K                                      | +324 (8.23)  | -425 (10.80) | k                   | -344 (8.74) | +000 (0.00)  |
| L                                      | +203 (5.16)  | -495 (12.57) | m                   | -258 (6.55) | +172 (4.37)  |
| M                                      | +000 (0.00)  | -531 (13.49) | n                   | -172 (4.37) | +344 (8.74)  |
| N                                      | -203 (5.16)  | -495 (12.57) | p                   | +000 (0.00) | +344 (8.74)  |
| P                                      | -324 (8.23)  | -425 (10.80) | q                   | +086 (2.18) | +172 (4.37)  |
| R                                      | -424 (10.77) | -326 (8.28)  | r                   | +172 (4.37) | +000 (0.00)  |
| S                                      | -493 (12.52) | -205 (5.21)  | s                   | +172 (4.37) | -172 (4.37)  |
| T                                      | -531 (13.49) | -069 (1.75)  | t                   | +000 (0.00) | -172 (4.37)  |
| U                                      | -531 (13.49) | +069 (1.75)  | u                   | -172 (4.37) | -172 (4.37)  |
| V                                      | -493 (12.52) | +205 (5.21)  | v                   | -172 (4.37) | +000 (0.00)  |
| W                                      | -424 (10.77) | +326 (8.28)  | w                   | -086 (2.18) | +172 (4.37)  |
| X                                      | -324 (8.23)  | +425 (10.80) | x                   | +000 (0.00) | +000 (0.00)  |
| Y                                      | -203 (5.16)  | +495 (12.57) |                     |             |              |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location    | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|---------------------|------------|
| 25         | -43             | 20                 | 16            | I              | a.b.c.d.e.f.g.h.k.m | MS20057-43 |
|            |                 | 23                 | 20            |                | n.p.q.r.s.t.u.v.w.x |            |
|            |                 |                    |               |                | All others          |            |

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| NA             |                                    | ±--                        | <b>859</b>  |
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| FORMAT         | <b>SOURIAU DRG N° 8D525Z43BD-C</b> |                            | SHEET 2/2   |