



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 : 75 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: 8D523Z35SA**

|   |                                    |                                |                               |
|---|------------------------------------|--------------------------------|-------------------------------|
| A   | 07-10-2016                         | First Release                  |                               |
| ISS   | DATE                               | Latest modification - by       | MOD N°                        |
| Designed By:  |                                    | Date:                          | <b>CUSTOMER DRAWING</b>       |
| <b>TITLE</b>  |                                    | Aluminium Plug 8D series       |                               |
| SCALE   | NA                                 | General linear Tolerances: ±-- | NPRDS / PROJECT<br><b>859</b> |
| <b>SOURIAU</b>  |                                    | <b>WWW.SOURIAU.COM</b>         |                               |
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| FORMAT  | <b>SOURIAU DRG N° 8D523Z35SA-C</b> |                                | SHEET<br>1/2                  |

|               |                           |   |   |    |   |    |   |                                    |
|---------------|---------------------------|---|---|----|---|----|---|------------------------------------|
| BASIC SERIES: | 8D                        | 5 | - | 23 | Z | 35 | S | A                                  |
| SHELL TYPE    | : Plug with RFI Shielding |   |   |    |   |    |   |                                    |
| CONTACT TYPE  | : Standard Crimp Contact  |   |   |    |   |    |   |                                    |
| SHELL SIZE    | : 23                      |   |   |    |   |    |   |                                    |
| PLATING       | : Z = Black Zinc Nickel   |   |   |    |   |    |   |                                    |
|               |                           |   |   |    |   |    |   | ORIENTATION : A                    |
|               |                           |   |   |    |   |    |   | CONTACT TYPE : SOCKET(500 Matings) |
|               |                           |   |   |    |   |    |   | CONTACT LAYOUT : 23-35             |

Contact Layout



| Contacts<br>(Insert arrangement 23-35) |              |             |                     |             |              |
|--|--------------|-------------|---------------------|-------------|--------------|
| Contact position ID                    | Location     |             | Contact position ID | Location    |              |
|  | X-axis (mm)  | Y-axis (mm) |                     | X-axis (mm) | Y-axis (mm)  |
| 1                                      | -428 (10.87) | +241 (6.12) | 51                  | +000 (0.00) | -047 (1.19)  |
| 2                                      | -467 (11.86) | +154 (3.91) | 52                  | +000 (0.00) | -142 (3.61)  |
| 3                                      | -488 (12.40) | +061 (1.55) | 53                  | +000 (0.00) | -237 (6.02)  |
| 4                                      | -415 (10.54) | +000 (0.00) | 54                  | +000 (0.00) | -332 (8.43)  |
| 5                                      | -488 (12.40) | -061 (1.55) | 55                  | +000 (0.00) | -427 (10.85) |
| 6                                      | -428 (10.87) | -142 (3.61) | 56                  | +083 (2.11) | -475 (12.07) |
| 7                                      | -428 (10.87) | -237 (6.02) | 57                  | +083 (2.11) | -380 (9.65)  |
| 8                                      | -332 (8.43)  | +333 (8.46) | 58                  | +083 (2.11) | -285 (7.24)  |
| 9                                      | -332 (8.43)  | +238 (6.05) | 59                  | +083 (2.11) | -190 (4.83)  |
| 10                                     | -332 (8.43)  | +143 (3.63) | 60                  | +083 (2.11) | -095 (2.41)  |
| 11                                     | -332 (8.43)  | +048 (1.22) | 61                  | +083 (2.11) | -000 (0.00)  |
| 12                                     | -332 (8.43)  | -047 (1.19) | 62                  | +083 (2.11) | -095 (2.41)  |
| 13                                     | -332 (8.43)  | -142 (3.61) | 63                  | +083 (2.11) | -190 (4.83)  |
| 14                                     | -332 (8.43)  | -237 (6.02) | 64                  | +083 (2.11) | -285 (7.24)  |
| 15                                     | -332 (8.43)  | -332 (8.43) | 65                  | +083 (2.11) | -380 (9.65)  |
| 16                                     | -249 (6.32)  | +380 (9.65) | 66                  | +083 (2.11) | -475 (12.07) |
| 17                                     | -249 (6.32)  | +285 (7.24) | 67                  | +166 (4.22) | +428 (10.87) |
| 18                                     | -249 (6.32)  | +190 (4.83) | 68                  | +166 (4.22) | +333 (8.46)  |

| Contacts<br>(Insert arrangement 23-35) |             |              |                     |              |              |
|--|-------------|--------------|---------------------|--------------|--------------|
| Contact position ID                    | Location    |              | Contact position ID | Location     |              |
|  | X-axis (mm) | Y-axis (mm)  |                     | X-axis (mm)  | Y-axis (mm)  |
| 19                                     | -249 (6.32) | +095 (2.41)  | 69                  | +166 (4.22)  | +238 (6.05)  |
| 20                                     | -249 (6.32) | +000 (0.00)  | 70                  | +166 (4.22)  | +143 (3.63)  |
| 21                                     | -249 (6.32) | -095 (2.41)  | 71                  | +166 (4.22)  | +048 (1.22)  |
| 22                                     | -249 (6.32) | -190 (4.83)  | 72                  | +166 (4.22)  | -047 (1.19)  |
| 23                                     | -249 (6.32) | -285 (7.24)  | 73                  | +166 (4.22)  | -142 (3.61)  |
| 24                                     | -249 (6.32) | -380 (9.65)  | 74                  | +166 (4.22)  | -237 (6.02)  |
| 25                                     | -166 (4.22) | +428 (10.87) | 75                  | +166 (4.22)  | -332 (8.43)  |
| 26                                     | -166 (4.22) | +333 (8.46)  | 76                  | +166 (4.22)  | -427 (10.85) |
| 27                                     | -166 (4.22) | +238 (6.05)  | 77                  | +249 (6.32)  | +380 (9.65)  |
| 28                                     | -166 (4.22) | +143 (3.63)  | 78                  | +249 (6.32)  | +285 (7.24)  |
| 29                                     | -166 (4.22) | +048 (1.22)  | 79                  | +249 (6.32)  | +190 (4.83)  |
| 30                                     | -166 (4.22) | -047 (1.19)  | 80                  | +249 (6.32)  | +095 (2.41)  |
| 31                                     | -166 (4.22) | -142 (3.61)  | 81                  | +249 (6.32)  | +000 (0.00)  |
| 32                                     | -166 (4.22) | -237 (6.02)  | 82                  | +249 (6.32)  | -095 (2.41)  |
| 33                                     | -166 (4.22) | -332 (8.43)  | 83                  | +249 (6.32)  | -190 (4.83)  |
| 34                                     | -166 (4.22) | -427 (10.85) | 84                  | +249 (6.32)  | -285 (7.24)  |
| 35                                     | -083 (2.11) | +475 (12.07) | 85                  | +249 (6.32)  | -380 (9.65)  |
| 36                                     | -083 (2.11) | +380 (9.65)  | 86                  | +332 (8.43)  | +333 (8.46)  |
| 37                                     | -083 (2.11) | +285 (7.24)  | 87                  | +332 (8.43)  | +238 (6.05)  |
| 38                                     | -083 (2.11) | +190 (4.83)  | 88                  | +332 (8.43)  | +143 (3.63)  |
| 39                                     | -083 (2.11) | +095 (2.41)  | 89                  | +332 (8.43)  | +048 (1.22)  |
| 40                                     | -083 (2.11) | +000 (0.00)  | 90                  | +332 (8.43)  | -047 (1.19)  |
| 41                                     | -083 (2.11) | -095 (2.41)  | 91                  | +332 (8.43)  | -142 (3.61)  |
| 42                                     | -083 (2.11) | -190 (4.83)  | 92                  | +332 (8.43)  | -237 (6.02)  |
| 43                                     | -083 (2.11) | -285 (7.24)  | 93                  | +332 (8.43)  | -332 (8.43)  |
| 44                                     | -083 (2.11) | -380 (9.65)  | 94                  | +428 (10.87) | +241 (6.12)  |
| 45                                     | -083 (2.11) | -475 (12.07) | 95                  | +467 (11.86) | +154 (3.91)  |
| 46                                     | +000 (0.00) | +428 (10.87) | 96                  | +488 (12.40) | +061 (1.55)  |

| Contacts<br>(Insert arrangement 23-35) |             |             |                     |              |             |
|--|-------------|-------------|---------------------|--------------|-------------|
| Contact position ID                    | Location    |             | Contact position ID | Location     |             |
|  | X-axis (mm) | Y-axis (mm) |                     | X-axis (mm)  | Y-axis (mm) |
| 47                                     | +000 (0.00) | +333 (8.46) | 97                  | +415 (10.54) | +000 (0.00) |
| 48                                     | +000 (0.00) | +238 (6.05) | 98                  | +488 (12.40) | -061 (1.55) |
| 49                                     | +000 (0.00) | +143 (3.63) | 99                  | +428 (10.87) | -142 (3.61) |
| 50                                     | +000 (0.00) | +048 (1.22) | 100                 | +428 (10.87) | -237 (6.02) |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|------------------|------------|
| 23         | -35             | 100                | 220           | M              | All              | MS27532-35 |

(Applicable to MIL-DTL-38999 only)

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

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|                |                                    |                                |   |
|----------------|------------------------------------|--------------------------------|---|
| A              | 07-10-2016                         | First Release                  |   |
| ISS            | DATE                               | Latest modification - by       | MOD N°  |
| Designed By:   |                                    | Date:                          | <b>CUSTOMER DRAWING</b>   |
| <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° 8D523Z35SA-C</b> |                                | SHEET   |
| <b>A3</b>      |                                    |                                | <b>2/2</b>  |