



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 : 59.23 g ± 10%

| Connector dimension |                 |
|---------------------|-----------------|
| Dim                 | Nominal         |
| A                   | 55.6±0.3        |
| B                   | 39.67+0.1/-0.15 |
| R                   | 32.5Max         |
| S                   | 52.4±0.4        |
| W                   | 3+0.9/-0.1      |
| 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: 8D723W21AB**

|                |                                       |                                |   |
|----------------|---------------------------------------|--------------------------------|---|
| A              | 01-10-2016                            | First Release                  |   |
| ISS            | DATE                                  | Latest modification - by       | MOD N°  |
| Designed By:   |                                       | Date:                          | <b>CUSTOMER DRAWING</b>   |
| <b>TITLE</b>   | <b>Aluminium Receptacle 8D series</b> |                                |   |
| SCALE          | NA                                    | General linear Tolerances: ±-- | NPRDS / PROJECT<br><b>859</b>   |
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| FORMAT         | <b>SOURIAU DRG N° 8D723W21AB-C</b>    |                                | SHEET<br>1/2  |

|                |                        |   |   |    |   |    |   |   |                                 |
|----------------|------------------------|---|---|----|---|----|---|---|---------------------------------|
| BASIC SERIES:  | 8D                     | 7 | - | 23 | W | 21 | A | B | ORIENTATION : B                 |
| SHELL TYPE :   | Jam nut Receptacle     |   |   |    |   |    |   |   | CONTACT TYPE : PIN(500 Matings) |
| CONTACT TYPE : | Standard Crimp Contact |   |   |    |   |    |   |   | CONTACT LAYOUT : 23-21          |
| SHELL SIZE :   | 23                     |   |   |    |   |    |   |   |                                 |
| PLATING :      | W = Olive drab Cadmium |   |   |    |   |    |   |   |                                 |

Contact Layout



| Contacts<br>(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 |

Panel cutout

JAM NUT RECEPTACLE (TYPE 7)



| Dim | Nominal       |
|-----|---------------|
| B   | 40.26+0/-0.25 |
| ØC  | 41.53+0.25/-0 |

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| FORMAT         | <b>SOURIAU DRG N° 8D723W21AB-C</b>    |                            | SHEET 2/2   |