

LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

**CHARACTERISTICS**

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Aluminium
- Shell Plating : 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 +200°C
- Salt Spray : 48 hours
- Mass : 58.4 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                  |

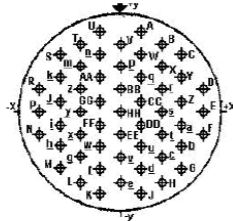
**PN: 8D723F55PE**

|              |            |                          |                         |
|--------------|------------|--------------------------|-------------------------|
| A            | 30-09-2016 | First Release            |                         |
| ISS          | DATE       | Latest modification - by | MOD N°                  |
| Designed By: |            | Date:                    | <b>CUSTOMER DRAWING</b> |

|                |                        |   |   |    |   |    |   |   |                                 |
|----------------|------------------------|---|---|----|---|----|---|---|---------------------------------|
| BASIC SERIES:  | 8D                     | 7 | - | 23 | F | 55 | P | E | ORIENTATION : E                 |
| SHELL TYPE :   | Jam nut Receptacle     |   |   |    |   |    |   |   | CONTACT TYPE : PIN(500 Matings) |
| CONTACT TYPE : | Standard Crimp Contact |   |   |    |   |    |   |   | CONTACT LAYOUT : 23-55          |
| SHELL SIZE :   | 23                     |   |   |    |   |    |   |   |                                 |
| PLATING :      | F = Nickel             |   |   |    |   |    |   |   |                                 |

|                |                                |                                |   |
|----------------|--------------------------------|--------------------------------|---|
| <b>TITLE</b>   | Aluminium Receptacle 8D series |                                |   |
| SCALE          | NA                             | General linear Tolerances: ±-- | NPRDS / PROJECT<br><b>859</b>   |
| <b>SOURIAU</b> | WWW.SOURIAU.COM                |                                | This document is the property of SOURIAU it must not be reproduced or communicated without permission |
| FORMAT         | <b>A3</b>                      |                                | SOURIAU DRG N°<br><b>8D723F55PE-C</b>   |
|                |                                |                                | SHEET<br>1/2  |

Contact Layout



| Contact position ID | Location     |              | Contact position ID | Location    |             |
|---------------------|--------------|--------------|---------------------|-------------|-------------|
|                     | X-axis (mm)  | Y-axis (mm)  |                     | X-axis (mm) | Y-axis (mm) |
| A                   | +112 (2.84)  | +455 (11.56) | f                   | -112 (2.84) | -325 (8.26) |
| B                   | +225 (5.72)  | +390 (9.91)  | g                   | -225 (5.72) | -260 (6.60) |
| C                   | +336 (8.53)  | +325 (8.26)  | h                   | -336 (8.53) | -195 (4.95) |
| D                   | +450 (11.43) | +130 (3.30)  | i                   | -336 (8.53) | -065 (1.65) |
| E                   | +450 (11.43) | +000 (0.00)  | j                   | -336 (8.53) | +065 (1.65) |
| F                   | +450 (11.43) | -130 (3.30)  | k                   | -336 (8.53) | +195 (4.95) |
| G                   | +336 (8.53)  | -325 (8.26)  | m                   | -225 (5.72) | +260 (6.60) |
| H                   | +225 (5.72)  | -390 (9.91)  | n                   | -112 (2.84) | +325 (8.26) |
| J                   | +112 (2.84)  | -455 (11.56) | p                   | +000 (0.00) | +260 (6.60) |
| K                   | -112 (2.84)  | -455 (11.56) | q                   | +112 (2.84) | +195 (4.95) |
| L                   | -225 (5.72)  | -390 (9.91)  | r                   | +225 (5.72) | +130 (3.30) |
| M                   | -336 (8.53)  | -325 (8.26)  | s                   | +225 (5.72) | +000 (0.00) |
| N                   | -450 (11.43) | -130 (3.30)  | t                   | +225 (5.72) | -130 (3.30) |
| P                   | -450 (11.43) | +000 (0.00)  | u                   | +112 (2.84) | -195 (4.95) |
| R                   | -450 (11.43) | +130 (3.30)  | v                   | +000 (0.00) | -260 (6.60) |
| S                   | -336 (8.53)  | +325 (8.26)  | w                   | -112 (2.84) | -195 (4.95) |
| T                   | -225 (5.72)  | +390 (9.91)  | x                   | -225 (5.72) | -130 (3.30) |
| U                   | -112 (2.84)  | +455 (11.56) | y                   | -225 (5.72) | +000 (0.00) |
| V                   | +000 (0.00)  | +390 (9.91)  | z                   | -225 (5.72) | +130 (3.30) |
| W                   | +112 (2.84)  | +325 (8.26)  | AA                  | -112 (2.84) | +195 (4.95) |
| X                   | +225 (5.72)  | +260 (6.60)  | BB                  | +000 (0.00) | +130 (3.30) |
| Y                   | +336 (8.53)  | +195 (4.95)  | CC                  | +112 (2.84) | +065 (1.65) |
| Z                   | +336 (8.53)  | +065 (1.65)  | DD                  | +112 (2.84) | -065 (1.65) |
| a                   | +336 (8.53)  | -065 (1.65)  | EE                  | +000 (0.00) | -130 (3.30) |
| b                   | +336 (8.53)  | -195 (4.95)  | FF                  | -112 (2.84) | -065 (1.65) |
| c                   | +225 (5.72)  | -260 (6.60)  | GG                  | -112 (2.84) | +065 (1.65) |
| d                   | +112 (2.84)  | -325 (8.26)  | HH                  | +000 (0.00) | +000 (0.00) |
| e                   | +000 (0.00)  | -390 (9.91)  | ---                 | ---         | ---         |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|------------------|------------|
| 23         | -55             | 55                 | 20            | I              | All              | ---        |

Panel cutout

JAM NUT RECEPTACLE (TYPE 7)



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

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: 8D723F55PE

|                |                                    |  |                               |
|----------------|------------------------------------|--|-------------------------------|
| A              | 30-09-2016                         | First Release  |                               |
| ISS            | DATE                               | Latest modification - by   | MOD N°                        |
| Designed By:   |                                    | Date:  | <b>CUSTOMER DRAWING</b>       |
| <b>TITLE</b>   | Aluminium Receptacle 8D series     |  |                               |
| SCALE          |                                    | General linear Tolerances: ±--   | NPRDS / PROJECT<br><b>859</b> |
| NA             |                                    | This document is the property of SOURIAU<br>it must not be reproduced or communicated without permission |                               |
| <b>SOURIAU</b> | <b>WWW.SOURIAU.COM</b>             |  |                               |
| FORMAT         | <b>SOURIAU DRG N° 8D723F55PE-C</b> |  | SHEET<br>2/2                  |