



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 without Souriau contacts
- Temperature Range : -65°C to +200°C
- Salt Spray : 48 hours
- Mass : 46.24 g ± 10%

| Connector dimension | |
|---------------------|-----------------|
| Dim | Nominal |
| A | 58.7±0.3 |
| B | 42.85+0.1/-0.15 |
| R | 32.5Max |
| S | 55.6±0.4 |
| W | 3+0.9/-0.1 |
| 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: 8D725F43PBL

| | | | |
|--------------|---|--------------------------------|---|
| A | 03-10-2016 | First Release | |
| ISS | DATE | Latest modification - by | MOD N° |
| Designed By: | | Date: | CUSTOMER DRAWING |
| TITLE | Aluminium Receptacle 8D series | | |
| SCALE | | General linear Tolerances: ±-- | NPRDS / PROJECT 859 |
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| FORMAT | A3 | | SOURIAU DRG N° 8D725F43PBL-C |
| | | | SHEET 1/2 |

BASIC SERIES: 8D 7 - 25 F 43 P B L

SHELL TYPE : Jam nut Receptacle Delivered W/O Contacts

CONTACT TYPE : Standard Crimp Contact ORIENTATION : B

SHELL SIZE : 25 CONTACT TYPE : PIN(500 Matings)

PLATING : F = Nickel CONTACT LAYOUT : 25-43

Contact Layout



| Contacts (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 | |

Panel cutout

JAM NUT RECEPTACLE (TYPE 7)



| Dim | Nominal |
|-----|---------------|
| B | 43.43+0/-0.25 |
| ØC | 44.7+0.25/-0 |

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| ISS | DATE | Latest modification - by | MOD N° |
| Designed By: | | Date: | CUSTOMER DRAWING |
| TITLE | | Aluminium Receptacle 8D series | |
| SCALE | | General linear Tolerances: | NPRDS / PROJECT |
| NA | | ±-- | 859 |
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