



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

CHARACTERISTICS

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Stainless Steel
- 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 : 500 hours

| Connector dimension | |
|---------------------|----------------|
| Dim | Nominal |
| A | 52.4±0.3 |
| B | 36.5+0.1/-0.15 |
| R | 32.5Max |
| S | 49.2±0.4 |
| W | 3+0.9/-0.1 |
| VV THREAD | M31x1-6g |

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: 8D721S39AB

| | | | |
|--------------|------------|--------------------------|-------------------------|
| A | 08-11-2016 | First Release | |
| ISS | DATE | Latest modification - by | MOD N° |
| Designed By: | | Date: | CUSTOMER DRAWING |

BASIC SERIES: 8D 7 - 21 S 39 A B

SHELL TYPE : Jam nut Receptacle

CONTACT TYPE : Standard Crimp Contact

SHELL SIZE : 21

PLATING : S = Nickel

ORIENTATION : B

CONTACT TYPE : PIN(500 Matings)

CONTACT LAYOUT : 21-39

| | | | |
|----------------|--------------------------------------|------------------------------------|---|
| TITLE | Stainless Steel Receptacle 8D series | | |
| SCALE | NA | General linear Tolerances: ±-- | NPRDS / PROJECT 859 |
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| FORMAT | A3 | | SHEET 1/2 |
| | | SOURIAU DRG N° 8D721S39AB-C | |

Contacts
(Insert arrangement 21-39)



| Contact position ID | Location | | Contact position ID | Location | |
|---------------------|--------------|--------------|---------------------|-------------|-------------|
| | X-axis (mm) | Y-axis (mm) | | X-axis (mm) | Y-axis (mm) |
| A | +065 (1.65) | +411 (10.44) | X | +000 (0.00) | +295 (7.49) |
| B | +189 (4.80) | +371 (9.42) | Y | +126 (3.20) | +256 (6.50) |
| C | +294 (7.47) | +294 (7.47) | Z | +232 (5.89) | +179 (4.55) |
| D | +371 (9.42) | +189 (4.80) | a | +280 (7.11) | +057 (1.45) |
| E | -411 (10.44) | +065 (1.65) | b | -280 (7.11) | -074 (1.88) |
| F | +411 (10.44) | -065 (1.65) | c | +217 (5.51) | -189 (4.80) |
| G | +371 (9.42) | -189 (4.80) | d | +112 (2.84) | -265 (6.73) |
| H | +294 (7.47) | -294 (7.47) | e | -112 (2.84) | -265 (6.73) |
| J | +189 (4.80) | -371 (9.42) | f | -217 (5.51) | -189 (4.80) |
| K | +065 (1.65) | -411 (10.44) | g | -280 (7.11) | -074 (1.88) |
| L | -065 (1.65) | -411 (10.44) | h | -280 (7.11) | +057 (1.45) |
| M | -189 (4.80) | -371 (9.42) | i | -232 (5.89) | +179 (4.55) |
| N | -294 (7.47) | -294 (7.47) | j | -126 (3.20) | +256 (6.50) |
| P | -371 (9.42) | -189 (4.80) | k | +000 (0.00) | +164 (4.17) |
| R | -411 (10.44) | -065 (1.65) | m | +114 (2.90) | +048 (1.22) |

| Contact position ID | Location | | Contact position ID | Location | |
|---------------------|--------------|--------------|---------------------|-------------|-------------|
| | X-axis (mm) | Y-axis (mm) | | X-axis (mm) | Y-axis (mm) |
| S | -411 (10.44) | +065 (1.65) | n | +106 (2.69) | -107 (2.72) |
| T | -371 (9.42) | +189 (4.80) | p | +000 (0.00) | -189 (4.80) |
| U | -294 (7.47) | +294 (7.47) | q | -106 (2.69) | -107 (2.72) |
| V | -189 (4.80) | +371 (9.42) | r | -114 (2.90) | +048 (1.09) |
| W | -065 (1.65) | +411 (10.44) | --- | --- | --- |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|--------------------|------------|
| 21 | -39 | 2 37 | 16 20 | I | f, m All others | MS20055-39 |

Panel cutout

JAM NUT RECEPTACLE (TYPE 7)



Max. thickness panel for receptacle: Type 7: 3.2 mm

| Dim | Nominal |
|-----|---------------|
| B | 37.08+0/-0.25 |
| ØC | 38.35+0.25/-0 |

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| SCALE | | General linear Tolerances: ±-- | NPRDS / PROJECT 859 |
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| FORMAT | SOURIAU DRG N° 8D721S39AB-C | | SHEET 2/2 |