



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

CHARACTERISTICS

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Composite
- 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 : 2000 hours
- Mass : 29.9 g ± 10%

| Connector dimension | |
|---------------------|-------------|
| Dim | Nominal |
| P | 3.25±0.2 |
| PP | 4.93±0.2 |
| R1 | 31.75 |
| R2 | 29.36 |
| S | 39.7±0.3 |
| V' | 18.7+1.4/-0 |
| W' | 2.1/4.35 |
| Z' | 32 Max |
| 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: 8D021J16PN

| | | | |
|----------------|---------------------------------------|--------------------------------|-------------------------------------------------------------------------------------------------------|
| A | 02-11-2016 | First Release | |
| ISS | DATE | Latest modification - by | MOD N° |
| Designed By: | | Date: | CUSTOMER DRAWING |
| TITLE | Composite Receptacle 8D series | | |
| SCALE | | General linear Tolerances: ±-- | NPRDS / PROJECT 859 |
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| FORMAT | SOURIAU DRG N° 8D021J16PN-C | | SHEET 1/2 |

| | | | | | | | | | |
|----------------|--------------------------|---|---|----|---|----|---|---|---------------------------------|
| BASIC SERIES: | 8D | 0 | - | 21 | J | 16 | P | N | ORIENTATION : N |
| SHELL TYPE : | Square Flange Receptacle | | | | | | | | CONTACT TYPE : PIN(500 Matings) |
| CONTACT TYPE : | Standard Crimp Contact | | | | | | | | CONTACT LAYOUT : 21-16 |
| SHELL SIZE : | 21 | | | | | | | | |
| PLATING : | J = Olive drab Cadmium | | | | | | | | |

Contact Layout



| Contacts (Insert arrangement 21-16) | | | | | |
|----------------------------------------|-------------|-------------|---------------------|-------------|-------------|
| Contact position ID | Location | | Contact position ID | Location | |
| | X-axis | Y-axis | | X-axis | Y-axis |
| A | +118 (3.00) | +322 (8.18) | J | -341 (8.66) | +036 (0.91) |
| B | +271 (6.88) | +211 (5.36) | K | -271 (6.88) | +211 (5.36) |
| C | +341 (8.66) | +036 (0.91) | L | -118 (3.00) | +322 (8.18) |
| D | +308 (7.82) | -150 (3.81) | M | +000 (0.00) | +175 (4.45) |
| E | +182 (4.62) | -290 (7.37) | N | +154 (3.91) | +062 (1.57) |
| F | +000 (0.00) | -343 (8.71) | P | +094 (2.39) | -122 (3.10) |
| G | -182 (4.62) | -290 (7.37) | R | -094 (2.39) | -122 (3.10) |
| H | -308 (7.82) | -150 (3.81) | S | -154 (3.91) | +062 (1.57) |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|------------------|------------|
| 21 | -16 | 16 | 16 | II | All | MS20055-16 |

Panel Cutout



| Dim | Nominal |
|-----|------------|
| ØA | 36.12 min |
| ØAA | 32.16 min |
| R1 | 31.75 |
| ØT | 3.25 ±0.13 |

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| Designed By: | | Date: | CUSTOMER DRAWING |
| TITLE | Composite Receptacle 8D series | | |
| SCALE | | General linear Tolerances: | NPRDS / PROJECT |
| NA | | ±-- | 859 |
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| FORMAT | SOURIAU DRG N° 8D021J16PN-C | | SHEET 2/2 |