



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

CHARACTERISTICS

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Composite
- 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 : 2000 hours

| Connector dimension | |
|---------------------|-------------|
| Dim | Nominal |
| P | 3.25±0.2 |
| PP | 4.93±0.2 |
| R1 | 29.36 |
| R2 | 26.97 |
| S | 36.5±0.3 |
| V' | 19.5+1.4/-0 |
| W' | 2.1/3.65 |
| Z' | 32 Max |
| VV THREAD | M28x1-6g |

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: 8D019M11HA

| | | | |
|--------------|------------|--------------------------|-------------------------|
| A | 08-10-2016 | 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 |
| NA | | | 859 |

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| | | | |
|-----------|------------------------------------|--|------------|
| FORMAT | SOURIAU DRG N° 8D019M11HA-C | | SHEET |
| A3 | | | 1/2 |

BASIC SERIES: 8D 0 - 19 M 11 H A

SHELL TYPE : Square Flange Receptacle

CONTACT TYPE : Standard Crimp Contact

SHELL SIZE : 19

PLATING : M = Nickel

ORIENTATION : A

CONTACT TYPE : PIN (1500 Matings)

CONTACT LAYOUT : 19-11

Contact Layout



| Contacts (insert arrangement 19-11) | | | | | |
|--|-------------|-------------|---------------------|-------------|-------------|
| Contact position ID | Location | | Contact position ID | Location | |
| | X-axis (mm) | Y-axis (mm) | | X-axis (mm) | Y-axis (mm) |
| A | +105 (2.67) | +260 (6.60) | G | -275 (6.99) | -053 (1.35) |
| B | +250 (6.35) | +132 (3.35) | H | -250 (6.35) | +132 (3.35) |
| C | +275 (6.99) | -053 (1.35) | J | -105 (2.67) | +260 (6.60) |
| D | +179 (4.55) | -215 (5.46) | K | +000 (0.00) | +105 (2.67) |
| E | +000 (0.00) | -281 (7.14) | L | +000 (0.00) | -092 (2.34) |
| F | -179 (4.55) | -215 (5.46) | | | |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|------------------|------------|
| 19 | -11 | 11 | 16 | II | All | MS20054-11 |

Panel Cutout



| Dim | Nominal |
|-----|------------|
| ØA | 32.96 min |
| ØAA | 28.98 min |
| R1 | 29.36 |
| ØT | 3.25 ±0.13 |

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| FORMAT | SOURIAU DRG N° 8D019M11HA-C | | SHEET 2/2 |