



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 without Souriau contacts
- Temperature Range : -65°C to +200°C
- Salt Spray : 2000 hours
- Mass : 25.7 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: 8D021M39PNL

| | | | |
|--------------|------------|--------------------------|-------------------------|
| 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 |
| NA | | | 859 |

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|-----------|-------------------------------------|--|------------|
| FORMAT | SOURIAU DRG N° 8D021M39PNL-C | | SHEET |
| A3 | | | 1/2 |

BASIC SERIES: 8D 0 - 21 M 39 P N L

SHELL TYPE : Square Flange Receptacle Delivered W/O Contacts

CONTACT TYPE : Standard Crimp Contact ORIENTATION : N

SHELL SIZE : 21 CONTACT TYPE : PIN(500 Matings)

PLATING : M = Nickel CONTACT LAYOUT : 21-39

Contact Layout



| 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) | l | -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) |

| 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) |
| 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



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

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