



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

**CHARACTERISTICS**

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

| Connector dimension |                 |
|---------------------|-----------------|
| Dim                 | Nominal         |
| A                   | 30.2±0.3        |
| B                   | 16.53+0.1/-0.15 |
| R                   | 32.5Max         |
| S                   | 27±0.4          |
| W                   | 2.2+0.9/-0.1    |
| VV THREAD           | M12x1-6g        |

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: 8D709K98PNL**

|              |            |                          |                         |
|--------------|------------|--------------------------|-------------------------|
| A            | 03-11-2016 | First Release            |                         |
| ISS          | DATE       | Latest modification - by | MOD N°                  |
| Designed By: |            | Date:                    | <b>CUSTOMER DRAWING</b> |

BASIC SERIES: 8D 7 - 09 K 98 P N L

SHELL TYPE : Jam nut Receptacle Delivered W/O Contacts

CONTACT TYPE : Standard Crimp Contact ORIENTATION : N

SHELL SIZE : 09 CONTACT TYPE : PIN(500 Matings)

PLATING : K = Passivated CONTACT LAYOUT : 09-98

|                                     |                                      |                                |   |
|-------------------------------------|--------------------------------------|--------------------------------|---|
| <b>TITLE</b>                        | Stainless Steel Receptacle 8D series |                                |   |
| SCALE                               | NA                                   | General linear Tolerances: ±-- | NPRDS / PROJECT <b>859</b>  |
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| FORMAT                              | <b>A3</b>                            |                                | SHEET 1/2   |
| <b>SOURIAU DRG N° 8D709K98PNL-C</b> |                                      |                                |   |

Contact Layout



| Contacts<br>(insert arrangement 9-98) |                  |             |
|---------------------------------------|------------------|-------------|
| Contact position ID                   | Contact location |             |
|                                       | X-axis (mm)      | Y-axis (mm) |
| A                                     | +065 (1.65)      | +038 (0.97) |
| B                                     | +000 (0.00)      | -075 (1.91) |
| C                                     | -065 (1.65)      | +038 (0.97) |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|------------------|------------|
| 9          | -98             | 3                  | 20            | I              | All              | MS20049-98 |

Panel cutout

JAM NUT RECEPTACLE (TYPE 7)



| Dim | Nominal      |
|-----|--------------|
| B   | 16.7±0.1     |
| ØC  | 17.6+0.25/-0 |

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| <b>TITLE</b>   | <b>Stainless Steel Receptacle 8D series</b> |                            |   |
| SCALE          |   | General linear Tolerances: | NPRDS / PROJECT   |
| NA             |   | ±--                        | <b>859</b>  |
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| FORMAT         | <b>SOURIAU DRG N° 8D709K98PNL-C</b>         |                            | SHEET 2/2   |