



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                   | 49.2±0.3        |
| B                   | 33.32+0.1/-0.15 |
| R                   | 32.5Max         |
| S                   | 46±0.4          |
| W                   | 3+0.9/-0.1      |
| 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.)

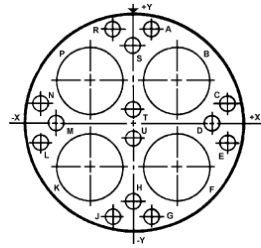
|         |                             |
|---------|-----------------------------|
| Country | Jurisdiction & Control List |
| FR      | Not Listed                  |

**PN: 8D719S18PB**

|              |   |                                |   |
|--------------|---|--------------------------------|---|
| A            | 30-09-2016  | First Release                  |   |
| ISS          | DATE  | Latest modification - by       | MOD N°  |
| Designed By: |   | Date:                          | <b>CUSTOMER DRAWING</b>   |
| <b>TITLE</b> | <b>Stainless Steel Receptacle 8D series</b>                         |                                |   |
| SCALE        |   | General linear Tolerances: ±-- | NPRDS / PROJECT<br><b>859</b>   |
| NA           | <b>SOURIAU</b> <a href="http://WWW.SOURIAU.COM">WWW.SOURIAU.COM</a> |                                | This document is the property of SOURIAU it must not be reproduced or communicated without permission |
| FORMAT       | <b>A3</b>   |                                | <b>SOURIAU DRG N° 8D719S18PB-C</b>  |
|              |   |                                | SHEET<br>1/2  |

|                |                        |   |   |    |   |    |   |   |                                 |
|----------------|------------------------|---|---|----|---|----|---|---|---------------------------------|
| BASIC SERIES:  | 8D                     | 7 | - | 19 | S | 18 | P | B | ORIENTATION : B                 |
| SHELL TYPE :   | Jam nut Receptacle     |   |   |    |   |    |   |   | CONTACT TYPE : PIN(500 Matings) |
| CONTACT TYPE : | Standard Crimp Contact |   |   |    |   |    |   |   | CONTACT LAYOUT : 19-18          |
| SHELL SIZE :   | 19                     |   |   |    |   |    |   |   |                                 |
| PLATING :      | S = Nickel             |   |   |    |   |    |   |   |                                 |

Contact Layout



(Inactive for new design for MIL-DTL-38999. For new design, use arrangement no. 19-19.)

| Contacts<br>(Insert arrangement 19-18) |             |             |                     |             |             |
|--|-------------|-------------|---------------------|-------------|-------------|
| Contact position ID                    | LOCATION    |             | Contact position ID | LOCATION    |             |
|  | X-axis (mm) | Y-axis (mm) |                     | X-axis (mm) | Y-axis (mm) |
| A                                      | +068 (1.73) | +380 (9.65) | K                   | -180 (4.57) | -180 (4.57) |
| B                                      | +180 (4.57) | +180 (4.57) | L                   | -377 (9.58) | -065 (1.65) |
| C                                      | +377 (9.58) | +065 (1.65) | M                   | -317 (8.05) | +000 (0.00) |
| D                                      | +317 (8.05) | +000 (0.00) | N                   | -377 (9.58) | +065 (1.65) |
| E                                      | +377 (9.58) | -065 (1.65) | P                   | -180 (4.57) | +180 (4.57) |
| F                                      | +180 (4.57) | -180 (4.57) | R                   | -068 (1.73) | +380 (9.65) |
| G                                      | +068 (1.73) | -380 (9.65) | S                   | +000 (0.00) | +319 (8.10) |
| H                                      | +000 (0.00) | -319 (8.10) | T                   | +000 (0.00) | +044 (1.12) |
| J                                      | -068 (1.73) | -380 (9.65) | U                   | +000 (0.00) | -044 (1.12) |

| Shell size | Arrangement No. | Number of contacts | Size contacts   | Service rating | Contact location | Standard contact |               |
|------------|-----------------|--------------------|-----------------|----------------|------------------|------------------|---------------|
|            |                 |                    |                 |                |                  | Pin              | Socket        |
| 19         | 18              | 4                  | 8<br>(see note) | Twinax         | B, F, K, P       | M39029/90-529    | M39029/91-530 |
|            |                 | 14                 | ZZD             | M              | All others       | M39029/58        | M39029/56     |

Panel cutout

JAM NUT RECEPTACLE (TYPE 7)



| Dim | Nominal       |
|-----|---------------|
| B   | 33.91+0/-0.25 |
| ØC  | 35.18+0.25/-0 |

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| SCALE          |   | General linear Tolerances: | NPRDS / PROJECT   |
| NA             |   | ±--                        | <b>859</b>  |
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| FORMAT         | <b>SOURIAU DRG N° 8D719S18PB-C</b>          |                            | SHEET 2/2   |