



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                   | 58.7±0.3        |
| B                   | 42.85+0.1/-0.15 |
| R                   | 32.5Max         |
| S                   | 55.6±0.4        |
| W                   | 3+0.9/-0.1      |
| VV THREAD           | M37x1-6g        |

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.)

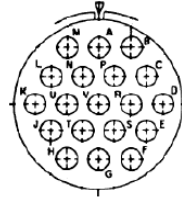
|         |                             |
|---------|-----------------------------|
| Country | Jurisdiction & Control List |
| FR      | Not Listed                  |

**PN: 8D725S19BB**

|              |   |                                |   |
|--------------|---|--------------------------------|---|
| A            | 04-10-2016  | 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° 8D725S19BB-C</b> SHEET 1/2  |

|                |                                    |   |   |    |   |    |   |   |                 |
|----------------|------------------------------------|---|---|----|---|----|---|---|-----------------|
| BASIC SERIES:  | 8D                                 | 7 | - | 25 | S | 19 | B | B | ORIENTATION : B |
| SHELL TYPE :   | Jam nut Receptacle                 |   |   |    |   |    |   |   |                 |
| CONTACT TYPE : | Standard Crimp Contact             |   |   |    |   |    |   |   |                 |
| SHELL SIZE :   | 25                                 |   |   |    |   |    |   |   |                 |
| PLATING :      | S = Nickel                         |   |   |    |   |    |   |   |                 |
|                | CONTACT TYPE : SOCKET(500 Matings) |   |   |    |   |    |   |   |                 |
|                | CONTACT LAYOUT : 25-19             |   |   |    |   |    |   |   |                 |

Contact Layout



| Contacts<br>(Insert arrangement 25-19) |              |              |                     |             |              |
|--|--------------|--------------|---------------------|-------------|--------------|
| Contact position ID                    | Location     |              | Contact position ID | Location    |              |
|  | X-axis (mm)  | Y-axis (mm)  |                     | X-axis (mm) | Y-axis (mm)  |
| A                                      | +000 (0.00)  | +409 (10.39) | L                   | -354 (8.99) | +205 (5.21)  |
| B                                      | +236 (5.99)  | +409 (10.39) | M                   | -236 (5.99) | +409 (10.39) |
| C                                      | +354 (8.99)  | +205 (5.21)  | N                   | -118 (3.00) | +205 (5.21)  |
| D                                      | +472 (11.99) | +000 (0.00)  | P                   | +118 (3.00) | +205 (5.21)  |
| E                                      | +354 (8.99)  | -205 (5.21)  | R                   | +236 (5.99) | +000 (0.00)  |
| F                                      | +236 (5.99)  | -409 (10.39) | S                   | +118 (3.00) | -205 (5.21)  |
| G                                      | +000 (0.00)  | -409 (10.39) | T                   | -118 (3.00) | -205 (5.21)  |
| H                                      | -236 (5.99)  | -409 (10.39) | U                   | -236 (5.99) | +000 (0.00)  |
| J                                      | -354 (8.99)  | -205 (5.21)  | V                   | +000 (0.00) | +000 (0.00)  |
| K                                      | -472 (11.99) | +000 (0.00)  | ---                 | ---         | ---          |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|------------------|------------|
| 25         | -19             | 19                 | 12            | I              | All              | MS20057-19 |

Panel cutout

JAM NUT RECEPTACLE (TYPE 7)



| Dim | Nominal       |
|-----|---------------|
| B   | 43.43+0/-0.25 |
| ØC  | 44.7+0.25/-0  |

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| NA             |   | ±--                        | <b>859</b>  |
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| FORMAT         | <b>SOURIAU DRG N° 8D725S19BB-C</b>          |                            | SHEET 2/2   |