



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                   | 34.9±0.3        |
| B                   | 19.07+0.1/-0.15 |
| R                   | 32.5Max         |
| S                   | 31.8±0.4        |
| W                   | 2.2+0.9/-0.1    |
| VV THREAD           | M15x1-6g        |

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: 8D711S05BC**

|              |                                                                     |                                |                                                                                                       |
|--------------|---------------------------------------------------------------------|--------------------------------|-------------------------------------------------------------------------------------------------------|
| 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° 8D711S05BC-C</b> SHEET 1/2                                                          |

|                |                                    |   |   |    |   |    |   |   |                 |
|----------------|------------------------------------|---|---|----|---|----|---|---|-----------------|
| BASIC SERIES:  | 8D                                 | 7 | - | 11 | S | 05 | B | C | ORIENTATION : C |
| SHELL TYPE :   | Jam nut Receptacle                 |   |   |    |   |    |   |   |                 |
| CONTACT TYPE : | Standard Crimp Contact             |   |   |    |   |    |   |   |                 |
| SHELL SIZE :   | 11                                 |   |   |    |   |    |   |   |                 |
| PLATING :      | S = Nickel                         |   |   |    |   |    |   |   |                 |
|                | CONTACT TYPE : SOCKET(500 Matings) |   |   |    |   |    |   |   |                 |
|                | CONTACT LAYOUT : 11-05             |   |   |    |   |    |   |   |                 |

Contact Layout



| Contact position ID | Contact location |             |
|---------------------|------------------|-------------|
|                     | X-axis (mm)      | Y-axis (mm) |
| A                   | +065 (1.65)      | +056 (1.42) |
| B                   | +113 (2.87)      | -065 (1.65) |
| C                   | +000 (0.00)      | -130 (3.30) |
| D                   | -113 (2.87)      | -065 (1.65) |
| E                   | -065 (1.65)      | +056 (1.42) |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|------------------|------------|
| 11         | -5              | 5                  | 20            | I              | All              | MS20050-5  |

Panel cutout

JAM NUT RECEPTACLE (TYPE 7)



| Dim | Nominal       |
|-----|---------------|
| B   | 19.59+0/-0.25 |
| ØC  | 20.96+0.25/-0 |

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| NA             |                                             | ±--                        | <b>859</b>                                                                                            |
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| FORMAT         | <b>SOURIAU DRG N° 8D711S05BC-C</b>          |                            | SHEET 2/2                                                                                             |