



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                   | 44.5±0.3        |
| B                   | 30.15+0.1/-0.15 |
| R                   | 32.5Max         |
| S                   | 41.3±0.4        |
| W                   | 2.2+0.9/-0.1    |
| VV THREAD           | M25x1-6g        |

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: 8D717S20BC**

|              |            |                          |                         |
|--------------|------------|--------------------------|-------------------------|
| 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> |

|               |                          |   |   |    |   |    |   |                                    |                 |
|---------------|--------------------------|---|---|----|---|----|---|------------------------------------|-----------------|
| BASIC SERIES: | 8D                       | 7 | - | 17 | S | 20 | B | C                                  | ORIENTATION : C |
| SHELL TYPE    | : Jam nut Receptacle     |   |   |    |   |    |   |                                    |                 |
| CONTACT TYPE  | : Standard Crimp Contact |   |   |    |   |    |   |                                    |                 |
| SHELL SIZE    | : 17                     |   |   |    |   |    |   |                                    |                 |
| PLATING       | : S = Nickel             |   |   |    |   |    |   |                                    |                 |
|               |                          |   |   |    |   |    |   | CONTACT TYPE : SOCKET(500 Matings) |                 |
|               |                          |   |   |    |   |    |   | CONTACT LAYOUT : 17-20             |                 |

|                     |                                    |   |              |
|---------------------|------------------------------------|---|--------------|
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| FORMAT<br><b>A3</b> | <b>SOURIAU DRG N° 8D717S20BC-C</b> |   | SHEET<br>1/2 |

Contact Layout

20\*



4#12  
16#22D

| 17-20 |       |       |
|-------|-------|-------|
| Ctc   | X     | Y     |
| A     | 0     | 5.51  |
| B     | 3.17  | 0     |
| C     | 0     | -5.51 |
| D     | -3.17 | 0     |
| 1     | 4.16  | 7.06  |
| 2     | 4.29  | 4.29  |
| 3     | 7.11  | 4.03  |
| 4     | 8.05  | 1.4   |
| 5     | 8.05  | -1.4  |
| 6     | 7.11  | -4.03 |
| 7     | 4.29  | -4.29 |
| 8     | 4.16  | -7.06 |
| 9     | -4.16 | -7.06 |
| 10    | -4.29 | -4.29 |
| 11    | -7.11 | -4.03 |
| 12    | -8.05 | -1.4  |
| 13    | -8.05 | 1.4   |
| 14    | -7.11 | 4.03  |
| 15    | -4.29 | 4.29  |
| 16    | -4.16 | 7.06  |

Panel cutout

JAM NUT RECEPTACLE (TYPE 7)



| Dim | Nominal       |
|-----|---------------|
| B   | 30.73+0/-0.25 |
| ØC  | 32.01+0.25/-0 |

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| FORMAT<br><b>A3</b> | <b>SOURIAU DRG N°<br/>8D717S20BC-C</b>      |                                | SHEET<br>2/2  |