



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

**CHARACTERISTICS**

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Aluminium
- 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 : 48 hours
- Mass : 20.37 g ± 10%

| Connector dimension |               |
|---------------------|---------------|
| Dim                 | Nominal       |
| P                   | 3.25±0.2      |
| PP                  | 4.93±0.2      |
| R1                  | 23.01         |
| R2                  | 20.62         |
| S                   | 28.6±0.3      |
| V                   | 20.83+0/-1.25 |
| W                   | 2.1/2.5       |
| Z                   | 31.5 Max      |
| VV THREAD           | M18x1-6g      |

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: 8D013F98SB**

|   |                                    |                                |                               |
|---|------------------------------------|--------------------------------|-------------------------------|
| A   | 14-10-2016                         | First Release                  |                               |
| ISS   | DATE                               | Latest modification - by       | MOD N°                        |
| Designed By:  |                                    | Date:                          | <b>CUSTOMER DRAWING</b>       |
| <b>TITLE</b>  |                                    | Aluminium Receptacle 8D series |                               |
| SCALE   | NA                                 | General linear Tolerances: ±-- | NPRDS / PROJECT<br><b>859</b> |
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| FORMAT  | <b>SOURIAU DRG N° 8D013F98SB-C</b> |                                | SHEET<br>1/2                  |

|                |                          |   |   |    |   |    |   |   |                                    |
|----------------|--------------------------|---|---|----|---|----|---|---|------------------------------------|
| BASIC SERIES:  | 8D                       | 0 | - | 13 | F | 98 | S | B | ORIENTATION : B                    |
| SHELL TYPE :   | Square Flange Receptacle |   |   |    |   |    |   |   | CONTACT TYPE : SOCKET(500 Matings) |
| CONTACT TYPE : | Standard Crimp Contact   |   |   |    |   |    |   |   | CONTACT LAYOUT : 13-98             |
| SHELL SIZE :   | 13                       |   |   |    |   |    |   |   |                                    |
| PLATING :      | F = Nickel               |   |   |    |   |    |   |   |                                    |

Contact Layout



| Contacts<br>(Insert arrangement 13-98) |             |             |
|--|-------------|-------------|
| Contact position ID                    | Location    |             |
|  | X-axis (mm) | Y-axis (mm) |
| A                                      | +000 (0.00) | +195 (4.95) |
| B                                      | +125 (3.18) | +150 (3.81) |
| C                                      | +193 (4.90) | +030 (0.76) |
| D                                      | -104 (4.17) | -105 (2.67) |
| E                                      | +000 (0.00) | -135 (3.43) |
| F                                      | -164 (4.17) | -105 (2.67) |
| G                                      | -193 (4.90) | +030 (0.76) |
| H                                      | -125 (3.18) | +150 (3.81) |
| J                                      | +065 (1.65) | -015 (0.38) |
| K                                      | -065 (1.65) | -015 (0.38) |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|------------------|------------|
| 13         | -98             | 10                 | 20            | I              | All              | MS20051-98 |

Panel Cutout



| Dim | Nominal    |
|-----|------------|
| ØA  | 23.42 min  |
| ØAA | 19.05 min  |
| R1  | 23.01      |
| ØT  | 3.25 ±0.13 |

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| <b>TITLE</b>   | <b>Aluminium Receptacle 8D series</b> |                            |   |
| SCALE          |                                       | General linear Tolerances: | NPRDS / PROJECT   |
| NA             |                                       | ±--                        | <b>859</b>  |
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| FORMAT         | <b>SOURIAU DRG N° 8D013F98SB-C</b>    |                            | SHEET 2/2   |