



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

**CHARACTERISTICS**

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Composite
- Shell Plating : Olive drab Cadmium
- 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 +175°C
- Salt Spray : 2000 hours

| 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'                  | 19.5+1.4/-0 |
| W'                  | 2.1/3.65    |
| Z'                  | 32 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: 8D013J35JE**

|                |                                       |   |                               |
|----------------|---------------------------------------|---|-------------------------------|
| A              | 14-10-2016                            | First Release   |                               |
| ISS            | DATE                                  | Latest modification - by  | MOD N°                        |
| Designed By:   |                                       | Date:   | <b>CUSTOMER DRAWING</b>       |
| <b>TITLE</b>   | <b>Composite Receptacle 8D series</b> |   |                               |
| SCALE          |                                       | General linear Tolerances: ±--  | NPRDS / PROJECT<br><b>859</b> |
| NA             |                                       | This document is the property of SOURIAU it must not be reproduced or communicated without permission |                               |
| <b>SOURIAU</b> | <b>WWW.SOURIAU.COM</b>                |   |                               |
| FORMAT         | <b>SOURIAU DRG N° 8D013J35JE-C</b>    |   | SHEET<br>1/2                  |

|                |                          |   |   |    |                        |    |                                      |   |  |
|----------------|--------------------------|---|---|----|------------------------|----|--------------------------------------|---|--|
| BASIC SERIES:  | 8D                       | 0 | - | 13 | J                      | 35 | J                                    | E |  |
| SHELL TYPE :   | Square Flange Receptacle |   |   |    |                        |    |                                      |   |  |
| CONTACT TYPE : | Standard Crimp Contact   |   |   |    |                        |    |                                      |   |  |
| SHELL SIZE :   | 13                       |   |   |    |                        |    |                                      |   |  |
| PLATING :      | J = Olive drab Cadmium   |   |   |    |                        |    |                                      |   |  |
|                |                          |   |   |    | ORIENTATION : E        |    | CONTACT TYPE : SOCKET (1500 Matings) |   |  |
|                |                          |   |   |    | CONTACT LAYOUT : 13-35 |    |                                      |   |  |

Contact Layout



| Contacts<br>(Insert arrangement 13-35) |             |             |                     |             |             |
|--|-------------|-------------|---------------------|-------------|-------------|
| Contact position ID                    | Location    |             | Contact position ID | Location    |             |
|  | X-axis (mm) | Y-axis (mm) |                     | X-axis (mm) | Y-axis (mm) |
| 1                                      | +045 (1.14) | +197 (5.00) | 12                  | -182 (4.62) | +088 (2.24) |
| 2                                      | +126 (3.20) | +158 (4.01) | 13                  | -126 (3.20) | +158 (4.01) |
| 3                                      | +182 (4.62) | +088 (2.24) | 14                  | -045 (1.14) | +197 (5.00) |
| 4                                      | +203 (5.16) | +000 (0.00) | 15                  | +045 (1.14) | +107 (2.72) |
| 5                                      | +182 (4.62) | -088 (2.24) | 16                  | +117 (2.97) | +026 (0.66) |
| 6                                      | +126 (3.20) | -158 (4.01) | 17                  | +093 (2.36) | -075 (1.91) |
| 7                                      | +045 (1.14) | -197 (5.00) | 18                  | +000 (0.00) | -120 (3.05) |
| 8                                      | -045 (1.14) | -197 (5.00) | 19                  | -093 (2.36) | -075 (1.91) |
| 9                                      | -126 (3.20) | -158 (4.01) | 20                  | -117 (2.97) | +026 (0.66) |
| 10                                     | -182 (4.62) | -088 (2.24) | 21                  | -045 (1.14) | +107 (2.72) |
| 11                                     | -203 (5.16) | +000 (0.00) | 22                  | +000 (0.00) | -030 (0.76) |

| (Applicable to MIL-DTL-38999 only) |                 |                    |               |                |                  |            |
|------------------------------------|-----------------|--------------------|---------------|----------------|------------------|------------|
| Shell size                         | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
| 13                                 | -35             | 22                 | 22D           | M              | All              | MS27527-35 |

Panel Cutout



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

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: 8D013J35JE

|                |                                       |                            |   |
|----------------|---------------------------------------|----------------------------|---|
| A              | 14-10-2016                            | First Release              |   |
| ISS            | DATE                                  | Latest modification - by   | MOD N°  |
| Designed By:   |                                       | Date:                      | <b>CUSTOMER DRAWING</b>   |
| <b>TITLE</b>   | <b>Composite Receptacle 8D series</b> |                            |   |
| SCALE          |                                       | General linear Tolerances: | NPRDS / PROJECT   |
| NA             |                                       | ±--                        | <b>859</b>  |
| <b>SOURIAU</b> | <b>WWW.SOURIAU.COM</b>                |                            | This document is the property of SOURIAU it must not be reproduced or communicated without permission |
| FORMAT         | <b>SOURIAU DRG N° 8D013J35JE-C</b>    |                            | SHEET 2/2   |