



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

**CHARACTERISTICS**

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Composite
- Shell Plating : Without Plating
- 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
- Mass : 75.1 g ± 10%

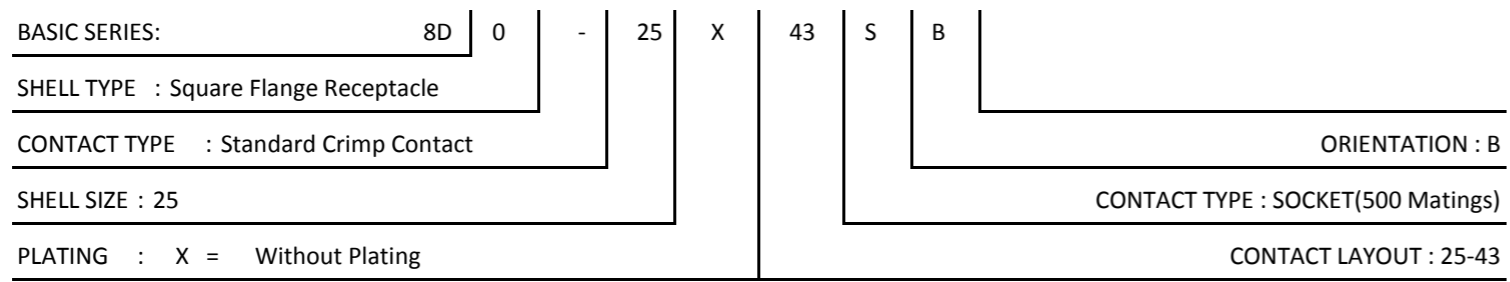
| Connector dimension |               |
|---------------------|---------------|
| Dim                 | Nominal       |
| P                   | 3.91±0.2      |
| PP                  | 6.15±0.2      |
| R1                  | 38.1          |
| R2                  | 34.93         |
| S                   | 46±0.3        |
| V                   | 20.07+0/-1.25 |
| W                   | 2.1/3.2       |
| Z                   | 31.5 Max      |
| 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: 8D025X43SB**

|                |                                       |                                |   |
|----------------|---------------------------------------|--------------------------------|---|
| A              | 09-10-2016                            | 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>A3</b>                             |                                | SOURIAU DRG N°<br><b>8D025X43SB-C</b>   |
|                |                                       |                                | SHEET<br>1/2  |



4  
3  
2  
1

4  
3  
2  
1

Contact Layout



| Contact position ID | Location     |              | Contact position ID | Location    |              |
|---------------------|--------------|--------------|---------------------|-------------|--------------|
|                     | X-axis (mm)  | Y-axis (mm)  |                     | X-axis (mm) | Y-axis (mm)  |
| A                   | +069 (1.75)  | +531 (13.49) | Z                   | -069 (1.75) | +531 (13.49) |
| B                   | +203 (5.16)  | +495 (12.57) | a                   | +172 (4.37) | +344 (8.74)  |
| C                   | +324 (8.23)  | +425 (10.80) | b                   | +258 (6.55) | +172 (4.37)  |
| D                   | +424 (10.77) | +326 (8.28)  | c                   | +344 (8.74) | +000 (0.00)  |
| E                   | +493 (12.52) | +205 (5.21)  | d                   | +344 (8.74) | -172 (4.37)  |
| F                   | +531 (13.49) | +069 (1.75)  | e                   | +172 (4.37) | -344 (8.74)  |
| G                   | +531 (13.49) | -069 (1.75)  | f                   | +000 (0.00) | -344 (8.74)  |
| H                   | +493 (12.52) | -205 (5.21)  | g                   | -172 (4.37) | -344 (8.74)  |
| J                   | +424 (10.77) | -326 (8.28)  | h                   | -344 (8.74) | -172 (4.37)  |
| K                   | +324 (8.23)  | -425 (10.80) | k                   | -344 (8.74) | +000 (0.00)  |
| L                   | +203 (5.16)  | -495 (12.57) | m                   | -258 (6.55) | +172 (4.37)  |
| M                   | +000 (0.00)  | -531 (13.49) | n                   | -172 (4.37) | +344 (8.74)  |
| N                   | -203 (5.16)  | -495 (12.57) | p                   | +000 (0.00) | +344 (8.74)  |
| P                   | -324 (8.23)  | -425 (10.80) | q                   | +086 (2.18) | +172 (4.37)  |
| R                   | -424 (10.77) | -326 (8.28)  | r                   | +172 (4.37) | +000 (0.00)  |
| S                   | -493 (12.52) | -205 (5.21)  | s                   | +172 (4.37) | -172 (4.37)  |
| T                   | -531 (13.49) | -069 (1.75)  | t                   | +000 (0.00) | -172 (4.37)  |
| U                   | -531 (13.49) | +069 (1.75)  | u                   | -172 (4.37) | -172 (4.37)  |
| V                   | -493 (12.52) | +205 (5.21)  | v                   | -172 (4.37) | +000 (0.00)  |
| W                   | -424 (10.77) | +326 (8.28)  | w                   | -086 (2.18) | +172 (4.37)  |
| X                   | -324 (8.23)  | +425 (10.80) | x                   | +000 (0.00) | +000 (0.00)  |
| Y                   | -203 (5.16)  | +495 (12.57) |                     |             |              |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location  | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|---|------------|
| 25         | 43              | 20                 | 16            | I              | a.b.c.d.e.f.g.h.k.m.<br>n.p.q.r.s.t.u.v.w.x<br>All others | MS20057-43 |
|            |                 | 23                 | 20            |                |   |            |

Panel Cutout



| Dim | Nominal    |
|-----|------------|
| ØA  | 42.47 min  |
| ØAA | 37.69 min  |
| R1  | 38.1       |
| ØT  | 3.81 ±0.13 |

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| FORMAT         | <b>SOURIAU DRG N° 8D025X43SB-C</b>    |                                | SHEET<br>2/2   |