



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 without Souriau contacts
- Temperature Range : -65°C to +175°C
- Salt Spray : 2000 hours
- Mass : 22.8 g ± 10%

Connector dimension	
Dim	Nominal
P	3.25±0.2
PP	4.93±0.2
R1	26.97
R2	24.61
S	33.3±0.3
V'	19.5+1.4/-0
W'	2.1/3.65
Z'	32 Max
VV THREAD	M25x1-6g

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Country	Jurisdiction & Control List
FR	Not Listed

**PN: 8D017J35SCL**

B	10-04-17	Drawing Update		
ISS	DATE	Latest modification - by		MOD N°
Designed By:		Date:		<b>CUSTOMER DRAWING</b>
<b>TITLE</b>		Composite Receptacle 8D series		
SCALE	NA	General linear Tolerances: ±--	NPRDS / PROJECT <b>859</b>	
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FORMAT	<b>SOURIAU DRG N° 8D017J35SCL-C</b>			SHEET 1/2

BASIC SERIES:	8D	0	-	17	J	35	S	C	L	Delivered W/O Contacts
SHELL TYPE :	Square Flange Receptacle					ORIENTATION : C				
CONTACT TYPE :	Standard Crimp Contact					CONTACT TYPE : SOCKET(500 Matings)				
SHELL SIZE :	17					CONTACT LAYOUT : 17-35				
PLATING :	J = Olive drab Cadmium									

Contact Layout



Contacts (Insert arrangement 17-35)					
Contact position ID	Location		Contact position ID	Location	
	X-axis (mm)	Y-axis (mm)		X-axis (mm)	Y-axis (mm)
1	-312 (7.92)	+086 (2.18)	29	.000 (0.00)	-.094 (2.39)
2	-312 (7.92)	-.004 (0.10)	30	.000 (0.00)	-.184 (4.67)
3	-312 (7.92)	-.094 (2.39)	31	.000 (0.00)	-.274 (6.96)
4	-.242 (6.15)	+221 (5.61)	32	+.089 (2.26)	+.316 (8.03)
5	-.234 (5.94)	+131 (3.33)	33	+.078 (1.98)	+.221 (5.61)
6	-.234 (5.94)	+.041 (1.04)	34	+.078 (1.98)	+.131 (3.33)
7	-.234 (5.94)	-.049 (1.24)	35	+.078 (1.98)	+.041 (1.04)
8	-.234 (5.94)	-.139 (3.53)	36	+.078 (1.98)	-.049 (1.24)
9	-.234 (5.94)	-.229 (5.82)	37	+.078 (1.98)	-.139 (3.53)
10	-.172 (4.37)	+.279 (7.09)	38	+.078 (1.98)	-.229 (5.82)
11	-.156 (3.96)	+176 (4.47)	39	+.078 (1.98)	-.319 (8.10)
12	-.156 (3.96)	+086 (2.18)	40	+.172 (4.37)	+.279 (7.09)
13	-.156 (3.96)	-.004 (0.10)	41	+.156 (3.96)	+.176 (4.47)
14	-.156 (3.96)	-.094 (2.39)	42	+.156 (3.96)	+.086 (2.18)
15	-.156 (3.96)	-.184 (4.67)	43	+.156 (3.96)	-.004 (0.10)
16	-.156 (3.96)	-.274 (6.96)	44	+.156 (3.96)	-.094 (2.39)
17	-.089 (2.26)	+.316 (8.03)	45	+.156 (3.96)	-.184 (4.67)
18	-.078 (1.98)	+221 (5.61)	46	+.156 (3.96)	-.274 (6.96)

Contacts (Insert arrangement 17-35)					
Contact position ID	Location		Contact position ID	Location	
	X-axis (mm)	Y-axis (mm)		X-axis (mm)	Y-axis (mm)
19	-.078 (1.98)	+131 (3.33)	47	+.242 (6.15)	+.221 (5.61)
20	-.078 (1.98)	+.041 (1.04)	48	+.234 (5.94)	+.131 (3.33)
21	-.078 (1.98)	-.049 (1.24)	49	+.234 (5.94)	+.041 (1.04)
22	-.078 (1.98)	-.139 (3.53)	50	+.234 (5.94)	-.049 (1.24)
23	-.078 (1.98)	-.229 (5.82)	51	+.234 (5.94)	-.139 (3.53)
24	-.078 (1.98)	-.319 (8.10)	52	+.234 (5.94)	-.229 (5.82)
25	.000 (0.00)	+.329 (8.36)	53	+.312 (7.92)	+.086 (2.18)
26	.000 (0.00)	+176 (4.47)	54	+.312 (7.92)	-.004 (0.10)
27	.000 (0.00)	+086 (2.18)	55	+.312 (7.92)	-.094 (2.39)
28	.000 (0.00)	-.004 (0.10)	---	---	---

Shell size	Arrangement no.	Number of contacts	Size contacts	Service rating	Contact location	Supersedes
17	-35	55	22D	M	All	MS27529-35

Panel Cutout



Max. thickness panel for receptacle: Type 0: front mounting = 3.2 mm, rear mounting = 2.5 mm

Dim	Nominal
ØA	30.96 min
ØAA	25.81 min
R1	26.97
ØT	3.25 ±0.13

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A3		SHEET 2/2	
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