



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 without Souriau contacts
- Temperature Range : -65°C to +200°C
- Salt Spray : 48 hours
- Mass : 24.17 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	20.83+0/-1.25
W	2.1/2.5
Z	31.5 Max
VV THREAD	M25x1-6g

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Country	Jurisdiction & Control List
FR	Not Listed

**PN: 8D017F35PEL**

B	10-04-17	Drawing Update	
ISS	DATE	Latest modification - by	MOD N°
Designed By:		Date:	<b>CUSTOMER DRAWING</b>
<b>TITLE</b>	<b>Aluminium Receptacle 8D series</b>		
SCALE	NA	General linear Tolerances: ±--	NPRDS / PROJECT <b>859</b>
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FORMAT	<b>A3</b>		<b>SOURIAU DRG N° 8D017F35PEL-C</b>
			SHEET 1/2

BASIC SERIES:	8D	0	-	17	F	35	P	E	L	Delivered W/O Contacts
SHELL TYPE :	Square Flange Receptacle									ORIENTATION : E
CONTACT TYPE :	Standard Crimp Contact									CONTACT TYPE : PIN(500 Matings)
SHELL SIZE :	17									CONTACT LAYOUT : 17-35
PLATING :	F = Nickel									

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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