



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 : 19.3 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: 8D017J99PNL

B	10-04-17	Drawing Update	
ISS	DATE	Latest modification - by	MOD N°
Designed By:		Date:	CUSTOMER DRAWING
TITLE	Composite Receptacle 8D series		
SCALE	NA	General linear Tolerances: ±--	NPRDS / PROJECT 859
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FORMAT	A3		SOURIAU DRG N° 8D017J99PNL-C SHEET 1/2

BASIC SERIES: 8D 0 - 17 J 99 P N L

SHELL TYPE : Square Flange Receptacle Delivered W/O Contacts

CONTACT TYPE : Standard Crimp Contact ORIENTATION : N

SHELL SIZE : 17 CONTACT TYPE : PIN(500 Matings)

PLATING : J = Olive drab Cadmium CONTACT LAYOUT : 17-99

Contact Layout



Contacts (Insert arrangement 17-99)					
Contact position ID	Contact location		Contact position ID	Contact location	
	X-axis (mm)	Y-axis (mm)		X-axis (mm)	Y-axis (mm)
A	.000 (0.00)	+321 (8.15)	N	-.305 (7.75)	+.099 (2.51)
B	+.131 (3.33)	+.293 (7.44)	P	-.239 (6.07)	+.214 (5.44)
C	+.239 (6.07)	+.214 (5.44)	R	-.131 (3.33)	+.293 (7.44)
D	-.305 (7.75)	-.099 (2.51)	e	.070 (1.78)	-.177 (4.50)
E	+.319 (8.10)	-.034 (0.86)	T	+.070 (1.78)	+.177 (4.50)
F	+.278 (7.06)	-.161 (4.09)	U	+.175 (4.45)	+.094 (2.39)
G	+.189 (4.80)	-.260 (6.60)	V	+.150 (3.81)	-.075 (1.91)
H	+.067 (1.70)	-.314 (7.98)	W	+.000 (0.00)	-.161 (4.09)
J	-.067 (1.70)	-.314 (7.98)	X	-.150 (3.81)	-.075 (1.91)
K	-.189 (4.80)	-.260 (6.60)	Y	-.175 (4.45)	+.094 (2.39)
L	-.278 (7.06)	-.161 (4.09)	Z	+.000 (0.00)	+.025 (0.64)
M	-.319 (8.10)	-.034 (0.86)			

Shell size	Arrangement no.	Number of contacts	Size contacts	Service rating	Contact position ID	Supersedes
17	-99	2	16	I	W, Z	MS20053-99
		21	20		All others	

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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