



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

CHARACTERISTICS

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Composite
- 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 : 2000 hours
- Mass : 19.7 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: 8D017M08PNL

B	11-04-17	Drawing Update	
ISS	DATE	Latest modification - by	MOD N°
Designed By:		Date:	CUSTOMER DRAWING

TITLE Composite Receptacle 8D series

SCALE		General linear Tolerances:	NPRDS / PROJECT
NA		±--	859

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FORMAT	SOURIAU DRG N° 8D017M08PNL-C		SHEET
A3			1/2

BASIC SERIES: 8D 0 - 17 M 08 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 : M = Nickel CONTACT LAYOUT : 17-08

Contact Layout



Contacts (Insert arrangement 17-8)		
Contact position ID	Location	
	X-axis (mm)	Y-axis (mm)
A	+000 (0.00)	+236 (5.99)
B	+128 (3.25)	+086 (2.18)
C	+230 (5.84)	-078 (1.98)
D	+094 (2.39)	-216 (5.49)
E	-094 (2.39)	-216 (5.49)
F	-230 (5.84)	-078 (1.98)
G	-128 (3.25)	+086 (2.18)
H	+000 (0.00)	-052 (1.32)

Shell size	Arrangement no.	Number of contacts	Size contacts	Service rating	Contact location	Supersedes
17	-8	8	16	II	All	MS20053-8

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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TITLE	Composite Receptacle 8D series		
SCALE		General linear Tolerances: ±--	NPRDS / PROJECT 859
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