



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 : 12.9 g ± 10%

Connector dimension	
Dim	Nominal
P	3.25±0.2
PP	4.93±0.2
R1	23.01
R2	20.62
S	28.6±0.3
V'	19.5+1.4/-0
W'	2.1/3.65
Z'	32 Max
VV THREAD	M18x1-6g

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Country	Jurisdiction & Control List
FR	Not Listed

PN: 8D013J08PEL

A	14-10-2016	First Release	
ISS	DATE	Latest modification - by	MOD N°
Designed By:		Date:	CUSTOMER DRAWING
TITLE	Composite Receptacle 8D series		
SCALE		General linear Tolerances: ±--	NPRDS / PROJECT 859
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SOURIAU	WWW.SOURIAU.COM		
FORMAT	SOURIAU DRG N° 8D013J08PEL-C		SHEET 1/2

BASIC SERIES: 8D 0 - 13 J 08 P E L

SHELL TYPE : Square Flange Receptacle Delivered W/O Contacts

CONTACT TYPE : Standard Crimp Contact ORIENTATION : E

SHELL SIZE : 13 CONTACT TYPE : PIN(500 Matings)

PLATING : J = Olive drab Cadmium CONTACT LAYOUT : 13-08

Contact Layout



Contacts (insert arrangement 13-8)		
Contact position ID	Contact location	
	X-axis (mm)	Y-axis (mm)
A	+065 (1.65)	+157 (3.99)
B	+170 (4.32)	+000 (0.00)
C	+120 (3.05)	-120 (3.05)
D	+000 (0.00)	-170 (4.32)
E	-120 (3.05)	-120 (3.05)
F	-170 (4.32)	+000 (0.00)
G	-065 (1.65)	+157 (3.99)
H	+000 (0.00)	+044 (1.12)

Shell size	Arrangement no.	Number of contacts	Size contacts	Service rating	Contact location	Supersedes
13	-8	8	20	I	All	MS20051-8

Panel Cutout



Dim	Nominal
ØA	23.42 min
ØAA	19.05 min
R1	23.01
ØT	3.25 ±0.13

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NA		±--	859
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FORMAT	SOURIAU DRG N° 8D013J08PEL-C		SHEET 2/2