



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

CHARACTERISTICS

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Composite
- Shell Plating : Without Plating
- 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 : 8.6 g ± 10%

Connector dimension	
Dim	Nominal
P	3.25±0.2
PP	4.93±0.2
R1	20.62
R2	18.26
S	26.2±0.3
V	20.83+0/-1.25
W	2.1/2.5
Z	31.5 Max
VV THREAD	M15x1-6g

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Country	Jurisdiction & Control List
FR	Not Listed

PN: 8D011X99PCL

A	08-10-2016	First Release	
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° 8D011X99PCL-C
			SHEET 1/2

BASIC SERIES: 8D 0 - 11 X 99 P C L
 SHELL TYPE : Square Flange Receptacle
 CONTACT TYPE : Standard Crimp Contact
 SHELL SIZE : 11
 PLATING : X = Without Plating

Delivered W/O Contacts
 ORIENTATION : C
 CONTACT TYPE : PIN(500 Matings)
 CONTACT LAYOUT : 11-99

Contact Layout



Contacts (Insert arrangement 11-99)		
Contact position ID	Location	
	X-axis (mm)	Y-axis (mm)
A	+065 (1.65)	+113 (2.87)
B	+130 (3.30)	+000 (0.00)
C	+065 (1.65)	-113 (2.87)
D	-065 (1.65)	-113 (2.87)
E	-130 (3.30)	+000 (0.00)
F	-065 (1.65)	+113 (2.87)
G	+000 (0.00)	+000 (0.00)

Shell size	Arrangement no.	Number of contacts	Size contacts	Service rating	Contact location	Supersedes
11	-99	7	20	I	All	MS20050-99

Panel Cutout



Dim	Nominal
ØA	20.22 min
ØAA	15.88 min
R1	20.62
ØT	3.25 ±0.13

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TITLE	Composite Receptacle 8D series		
SCALE		General linear Tolerances:	NPRDS / PROJECT
NA		±--	859
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FORMAT	SOURIAU DRG N° 8D011X99PCL-C		SHEET 2/2