

LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

**CHARACTERISTICS**

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Aluminium
- Shell Plating : Black Zinc 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 +175°C
- Salt Spray : 500 hours
- Mass : 17.65 g ± 10%

Connector dimension	
Dim	Nominal
P	3.25±0.2
PP	4.39±0.2
R1	24.61
R2	23.01
S	31±0.3
V	20.83+0/-1.25
W	2.1/2.5
Z	31.5 Max
VV THREAD	M22x1-6g

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Country	Jurisdiction & Control List
FR	Not Listed

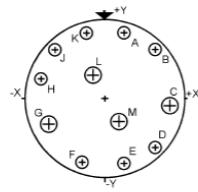
**PN: 8D015Z97PEL**

A	18-10-2016	First Release	
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° 8D015Z97PEL-C</b>
			SHEET 1/2

BASIC SERIES: 8D 0 - 15 Z 97 P E L  
 SHELL TYPE : Square Flange Receptacle  
 CONTACT TYPE : Standard Crimp Contact  
 SHELL SIZE : 15  
 PLATING : Z = Black Zinc Nickel

Delivered W/O Contacts  
 ORIENTATION : E  
 CONTACT TYPE : PIN(500 Matings)  
 CONTACT LAYOUT : 15-97

Contacts Layout



Contact position ID	Location		Contact position ID	Location	
	X-axis (mm)	Y-axis (mm)		X-axis (mm)	Y-axis (mm)
A	+065 (1.65)	+234 (5.94)	G	-207 (5.26)	-095 (2.41)
B	+178 (4.52)	+178 (4.52)	H	-234 (5.94)	+065 (1.65)
C	+230 (5.84)	-023 (0.58)	J	-178 (4.52)	+178 (4.52)
D	+178 (4.52)	-178 (4.52)	K	-065 (1.65)	+234 (5.94)
E	+065 (1.65)	-234 (5.94)	L	-047 (1.19)	+081 (2.06)
F	-089 (2.26)	-235 (5.97)	M	+047 (1.19)	-081 (2.06)

Shell size	Arrangement no.	Number of contacts	Size contacts	Service rating	Contact location	Supersedes
15	-97	4 8	16 20	I	C, G, L, M All others	MS20052-97

Panel Cutout



Dim	Nominal
ØA	26.59 min
ØAA	23.01 min
R1	24.61
ØT	3.25 ±0.13

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FORMAT	<b>SOURIAU DRG N° 8D015Z97PEL-C</b>		SHEET 2/2