



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 : 41.06 g ± 10%

Connector dimension	
Dim	Nominal
P	3.91±0.2
PP	6.15±0.2
R1	38.1
R2	34.93
S	46±0.3
V	20.07+0/-1.25
W	2.1/3.2
Z	31.5 Max
VV THREAD	M37x1-6g

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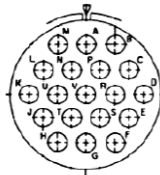
Country	Jurisdiction & Control List
FR	Not Listed

**PN: 8D025Z19PEL**

A	09-10-2016	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° 8D025Z19PEL-C</b>
			SHEET 1/2

BASIC SERIES:	8D	0	-	25	Z	19	P	E	L	Delivered W/O Contacts
SHELL TYPE :	Square Flange Receptacle									ORIENTATION : E
CONTACT TYPE :	Standard Crimp Contact									CONTACT TYPE : PIN(500 Matings)
SHELL SIZE :	25									CONTACT LAYOUT : 25-19
PLATING :	Z = Black Zinc Nickel									

Contact Layout



Contacts (insert arrangement 25-19)					
Contact position ID	Location		Contact position ID	Location	
	X-axis (mm)	Y-axis (mm)		X-axis (mm)	Y-axis (mm)
A	+000 (0.00)	+409 (10.39)	L	-354 (8.99)	+205 (5.21)
B	+236 (5.99)	+409 (10.39)	M	-236 (5.99)	+409 (10.39)
C	+354 (8.99)	+205 (5.21)	N	-118 (3.00)	+205 (5.21)
D	+472 (11.99)	+000 (0.00)	P	+118 (3.00)	+205 (5.21)
E	+354 (8.99)	-205 (5.21)	R	+236 (5.99)	+000 (0.00)
F	+236 (5.99)	-409 (10.39)	S	+118 (3.00)	-205 (5.21)
G	+000 (0.00)	-409 (10.39)	T	-118 (3.00)	-205 (5.21)
H	-236 (5.99)	-409 (10.39)	U	-236 (5.99)	+000 (0.00)
J	-354 (8.99)	-205 (5.21)	V	+000 (0.00)	+000 (0.00)
K	-472 (11.99)	+000 (0.00)	---	---	---

Shell size	Arrangement no.	Number of contacts	Size contacts	Service rating	Contact location	Supersedes
25	-19	19	12	I	All	MS-20057-19

Panel Cutout



Dim	Nominal
ØA	42.47 min
ØAA	37.69 min
R1	38.1
ØT	3.81 ±0.13

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FORMAT	<b>SOURIAU DRG N° 8D025Z19PEL-C</b>		SHEET 2/2