



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

**CHARACTERISTICS**

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Aluminium
- 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 : 48 hours
- Mass : 39.97 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: 8D025F61PAL**

A	07-10-2016	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° 8D025F61PAL-C</b>
			SHEET 1/2

BASIC SERIES:	8D	0	-	25	F	61	P	A	L	Delivered W/O Contacts
SHELL TYPE :	Square Flange Receptacle									ORIENTATION : A
CONTACT TYPE :	Standard Crimp Contact									CONTACT TYPE : PIN(500 Matings)
SHELL SIZE :	25									CONTACT LAYOUT : 25-61
PLATING :	F = Nickel									

Contact Layout



Contacts (Insert arrangement 25-61)					
Contact position ID	Location		Contact position ID	Location	
	X-axis (mm)	Y-axis (mm)		X-axis (mm)	Y-axis (mm)
A	+196 (4.98)	+500 (12.70)	J	+251 (6.38)	-314 (7.98)
B	+314 (7.98)	+435 (11.05)	K	+133 (3.38)	-379 (9.63)
C	+413 (10.49)	+343 (8.71)	L	+000 (0.00)	-402 (10.21)
D	+485 (12.32)	+230 (5.84)	M	-133 (3.38)	-379 (9.63)
E	+527 (13.39)	+101 (2.57)	N	-251 (6.38)	-314 (7.98)
F	+536 (13.61)	-030 (0.76)	O	-341 (8.66)	-213 (5.41)
G	+511 (12.98)	-164 (4.17)	P	-392 (9.96)	-088 (2.24)
H	+454 (11.53)	-287 (7.29)	Q	-399 (10.13)	+046 (1.17)
J	+368 (9.35)	-391 (9.93)	R	-362 (9.19)	+175 (4.45)
K	+259 (6.58)	-470 (11.94)	S	-285 (7.24)	+283 (7.19)
L	+134 (3.40)	-519 (13.18)	T	-173 (4.39)	+363 (9.22)
M	+000 (0.00)	-537 (13.64)	U	+000 (0.00)	+338 (8.59)
N	-134 (3.40)	-519 (13.18)	V	+147 (3.73)	+223 (5.66)
P	-259 (6.58)	-470 (11.94)	W	+237 (6.02)	+122 (3.10)
R	-368 (9.35)	-391 (9.93)	X	+267 (6.78)	-010 (0.25)
S	-454 (11.53)	-287 (7.29)	Y	+228 (5.79)	-139 (3.53)
T	-511 (12.98)	-164 (4.17)	Z	+131 (3.33)	-233 (5.92)
U	-536 (13.61)	-030 (0.76)	AA	+000 (0.00)	-267 (6.78)
V	-527 (13.39)	+101 (2.57)	BB	-131 (3.33)	-233 (5.92)
W	-485 (12.32)	+230 (5.84)	CC	-228 (5.79)	-139 (3.53)
X	-413 (10.49)	+343 (8.71)	DD	-267 (6.78)	-010 (0.25)
Y	-314 (7.98)	+435 (11.05)	EE	-237 (6.02)	+122 (3.10)
Z	-196 (4.98)	+500 (12.70)	FF	-147 (3.73)	+223 (5.66)
a	-068 (1.73)	+454 (11.53)	GG	+000 (0.00)	+200 (5.08)
b	+068 (1.73)	+454 (11.53)	HH	+105 (2.67)	+094 (2.39)
c	+173 (4.39)	+363 (9.22)	JJ	+135 (3.43)	-041 (1.04)
d	+285 (7.24)	+283 (7.19)	KK	+000 (0.00)	-132 (3.35)
e	+362 (9.19)	+175 (4.45)	LL	-135 (3.43)	-041 (1.04)
f	+399 (10.13)	-046 (1.17)	MM	-105 (2.67)	+094 (2.39)
g	+392 (9.96)	-088 (2.24)	NN	+000 (0.00)	+000 (0.00)
h	+341 (8.66)	-213 (5.41)	PP	---	---

Shell size	Arrangement no.	Number of contacts	Size contacts	Service rating	Contact location	Supersedes
25	-61	61	20	I	All	MS20057-61

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° 8D025F61PAL-C</b>		SHEET 2/2