

LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

CHARACTERISTICS

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Aluminium
- 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 with Souriau contacts and Accessories
- Temperature Range : -65°C to +175°C
- Salt Spray : 500 hours
- Mass : 63.93 g ± 10%

Connector dimension	
Dim	Nominal
A	58.7±0.3
B	42.85+0.1/-0.15
R	32.5Max
S	55.6±0.4
W	3+0.9/-0.1
VV THREAD	M37x1-6g

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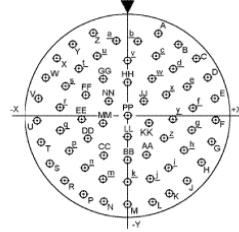
Country	Jurisdiction & Control List
FR	Not Listed

PN: 8D725W61PE

A	05-10-2016	First Release	
ISS	DATE	Latest modification - by	MOD N°
Designed By:		Date:	CUSTOMER DRAWING
TITLE	Aluminium Receptacle 8D series		
SCALE	NA	General linear Tolerances: ±--	NPRDS / PROJECT 859
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FORMAT	SOURIAU DRG N° 8D725W61PE-C		SHEET 1/2

BASIC SERIES:	8D	7	-	25	W	61	P	E	ORIENTATION : E
SHELL TYPE :	Jam nut Receptacle								
CONTACT TYPE :	Standard Crimp Contact								
SHELL SIZE :	25								
PLATING :	W = Olive drab Cadmium								
	CONTACT TYPE : PIN(500 Matings)								
	CONTACT LAYOUT : 25-61								

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)
I	+368 (9.35)	-391 (9.93)	R	-362 (9.19)	+175 (4.45)
J	+259 (6.58)	-470 (11.94)	S	-285 (7.24)	+283 (7.19)
K	+134 (3.40)	-519 (13.18)	T	-173 (4.39)	+363 (9.22)
L	+000 (0.00)	-537 (13.64)	U	+000 (0.00)	+338 (8.59)
M	-134 (3.40)	-519 (13.18)	V	+147 (3.73)	+223 (5.66)
N	-259 (6.58)	-470 (11.94)	W	+237 (6.02)	+122 (3.10)
O	-368 (9.35)	-391 (9.93)	X	+267 (6.78)	-010 (0.25)
P	-454 (11.53)	-287 (7.29)	Y	+228 (5.79)	-139 (3.53)
Q	-511 (12.98)	-164 (4.17)	Z	+131 (3.33)	-233 (5.92)
R	-536 (13.61)	-030 (0.76)	AA	+000 (0.00)	-267 (6.78)
S	-527 (13.39)	+101 (2.57)	BB	-131 (3.33)	-233 (5.92)
T	-485 (12.32)	+230 (5.84)	CC	-228 (5.79)	-139 (3.53)
U	-413 (10.49)	+343 (8.71)	DD	-267 (6.78)	-010 (0.25)
V	-314 (7.98)	+435 (11.05)	EE	-237 (6.02)	+122 (3.10)
W	-196 (4.98)	+500 (12.70)	FF	-147 (3.73)	+223 (5.66)
X	-068 (1.73)	+454 (11.53)	GG	+000 (0.00)	+200 (5.08)
Y	+068 (1.73)	+454 (11.53)	HH	+105 (2.67)	+094 (2.39)
Z	+173 (4.39)	+363 (9.22)	JJ	+135 (3.43)	-041 (1.04)
a	+285 (7.24)	+283 (7.19)	KK	+000 (0.00)	-132 (3.35)
b	+362 (9.19)	+175 (4.45)	LL	-135 (3.43)	-041 (1.04)
c	+399 (10.13)	-040 (1.17)	MM	-105 (2.67)	+094 (2.39)
d	+392 (9.96)	-088 (2.24)	NN	+000 (0.00)	+000 (0.00)
e	+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

JAM NUT RECEPTACLE (TYPE 7)



Dim	Nominal
B	43.43+0/-0.25
ØC	44.7+0.25/-0

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Designed By:		Date:	CUSTOMER DRAWING
TITLE	Aluminium Receptacle 8D series		
SCALE		General linear Tolerances:	NPRDS / PROJECT
NA		±--	859
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FORMAT	SOURIAU DRG N° 8D725W61PE-C		SHEET 2/2