



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 with Souriau contacts and Accessories
- Temperature Range : -65°C to +200°C
- Salt Spray : 48 hours
- Mass : 90.68 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: 8D725F61BC**

A	03-10-2016	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		General linear Tolerances:	NPRDS / PROJECT
NA		±--	<b>859</b>
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FORMAT	<b>SOURIAU DRG N° 8D725F61BC-C</b>		SHEET
<b>A3</b>			<b>1/2</b>

BASIC SERIES:	8D	7	-	25	F	61	B	C	ORIENTATION : C
SHELL TYPE :	Jam nut Receptacle								CONTACT TYPE : SOCKET(500 Matings)
CONTACT TYPE :	Standard Crimp Contact								CONTACT LAYOUT : 25-61
SHELL SIZE :	25								
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)	j	+133 (3.38)	-379 (9.63)
C	+413 (10.49)	+343 (8.71)	k	+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)	p	-341 (8.66)	-213 (5.41)
G	+511 (12.98)	-164 (4.17)	q	-392 (9.96)	-088 (2.24)
H	+454 (11.53)	-287 (7.29)	r	-399 (10.13)	+046 (1.17)
J	+368 (9.35)	-391 (9.93)	s	-362 (9.19)	+175 (4.45)
K	+259 (6.58)	-470 (11.94)	t	-285 (7.24)	+283 (7.19)
L	+134 (3.40)	-519 (13.18)	u	-173 (4.39)	+363 (9.22)
M	+000 (0.00)	-537 (13.64)	v	+000 (0.00)	+338 (8.59)
N	-134 (3.40)	-519 (13.18)	w	+147 (3.73)	+223 (5.66)
P	-259 (6.58)	-470 (11.94)	x	+237 (6.02)	+122 (3.10)
R	-368 (9.35)	-391 (9.93)	y	+267 (6.78)	-010 (0.25)
S	-454 (11.53)	-287 (7.29)	z	+228 (5.79)	-139 (3.53)
T	-511 (12.98)	-164 (4.17)	AA	+131 (3.33)	-233 (5.92)
U	-536 (13.61)	-030 (0.76)	BB	+000 (0.00)	-267 (6.78)
V	-527 (13.39)	+101 (2.57)	CC	-131 (3.33)	-233 (5.92)
W	-485 (12.32)	+230 (5.84)	DD	-228 (5.79)	-139 (3.53)
X	-413 (10.49)	+343 (8.71)	EE	-267 (6.78)	-010 (0.25)
Y	-314 (7.98)	+435 (11.05)	FF	-237 (6.02)	+122 (3.10)
Z	-196 (4.98)	+500 (12.70)	GG	-147 (3.73)	+223 (5.66)
a	-068 (1.73)	+454 (11.53)	HH	+000 (0.00)	+200 (5.08)
b	+068 (1.73)	+454 (11.53)	JJ	+105 (2.67)	+094 (2.39)
c	+173 (4.39)	+363 (9.22)	KK	+135 (3.43)	-041 (1.04)
d	+285 (7.24)	+283 (7.19)	LL	+000 (0.00)	-132 (3.35)
e	+362 (9.19)	+175 (4.45)	MM	-135 (3.43)	-041 (1.04)
i	+399 (10.13)	-046 (1.17)	NN	-105 (2.67)	+094 (2.39)
g	+392 (9.96)	-088 (2.24)	PP	+000 (0.00)	+000 (0.00)
h	+341 (8.66)	-213 (5.41)	---	---	---

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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