



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 : 46.24 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: 8D725Z43PNL

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° 8D725Z43PNL-C		SHEET 1/2

BASIC SERIES:	8D	7	-	25	Z	43	P	N	L	Delivered W/O Contacts
SHELL TYPE :	Jam nut Receptacle				ORIENTATION : N					
CONTACT TYPE :	Standard Crimp Contact				CONTACT TYPE : PIN(500 Matings)					
SHELL SIZE :	25				CONTACT LAYOUT : 25-43					
PLATING :	Z = Black Zinc Nickel									

Contact Layout



Contacts (Insert arrangement 25-43)					
Contact position ID	Location		Contact position ID	Location	
	X-axis (mm)	Y-axis (mm)		X-axis (mm)	Y-axis (mm)
A	+069 (1.75)	+531 (13.49)	Z	-069 (1.75)	+531 (13.49)
B	+203 (5.16)	+495 (12.57)	a	+172 (4.37)	+344 (8.74)
C	+324 (8.23)	+425 (10.80)	b	+258 (6.55)	+172 (4.37)
D	+424 (10.77)	+326 (8.28)	c	+344 (8.74)	+000 (0.00)
E	+493 (12.52)	+205 (5.21)	d	+344 (8.74)	-172 (4.37)
F	+531 (13.49)	+069 (1.75)	e	+172 (4.37)	-344 (8.74)
G	+531 (13.49)	-069 (1.75)	f	+000 (0.00)	-344 (8.74)
H	+493 (12.52)	-205 (5.21)	g	-172 (4.37)	-344 (8.74)
J	+424 (10.77)	-326 (8.28)	h	-344 (8.74)	-172 (4.37)
K	+324 (8.23)	-425 (10.80)	k	-344 (8.74)	+000 (0.00)
L	+203 (5.16)	-495 (12.57)	m	-258 (6.55)	+172 (4.37)
M	+000 (0.00)	-531 (13.49)	n	-172 (4.37)	+344 (8.74)
N	-203 (5.16)	-495 (12.57)	p	+000 (0.00)	+344 (8.74)
P	-324 (8.23)	-425 (10.80)	q	+086 (2.18)	+172 (4.37)
R	-424 (10.77)	-326 (8.28)	r	+172 (4.37)	+000 (0.00)
S	-493 (12.52)	-205 (5.21)	s	+172 (4.37)	-172 (4.37)
T	-531 (13.49)	-069 (1.75)	t	+000 (0.00)	-172 (4.37)
U	-531 (13.49)	+069 (1.75)	u	-172 (4.37)	-172 (4.37)
V	-493 (12.52)	+205 (5.21)	v	-172 (4.37)	+000 (0.00)
W	-424 (10.77)	+326 (8.28)	w	-086 (2.18)	+172 (4.37)
X	-324 (8.23)	+425 (10.80)	x	+000 (0.00)	+000 (0.00)
Y	-203 (5.16)	+495 (12.57)			

Shell size	Arrangement no.	Number of contacts	Size contacts	Service rating	Contact location	Supersedes
25	-43	20	16	I	a.b.c.d.e.f.g.h.k.m. n.p.q.r.s.t.u.v.w.x	MS20057-43
		23	20		All others	

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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TITLE	Aluminium Receptacle 8D series		
SCALE		General linear Tolerances:	NPRDS / PROJECT
NA		±--	859
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FORMAT	SOURIAU DRG N° 8D725Z43PNL-C		SHEET 2/2