

LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

CHARACTERISTICS

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Composite
- Shell Plating : Without Plating
- 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 : 2000 hours
- Mass : 36.1 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

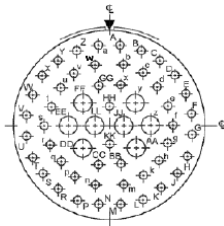
PN: 8D025X04PBL

A	08-10-2016	First Release	
ISS	DATE	Latest modification - by	MOD N°
Designed By:		Date:	CUSTOMER DRAWING
TITLE	Composite Receptacle 8D series		
SCALE	NA	General linear Tolerances: ±--	NPRDS / PROJECT 859
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FORMAT	A3		SOURIAU DRG N° 8D025X04PBL-C
			SHEET 1/2

BASIC SERIES: 8D 0 - 25 X 04 P B L
 SHELL TYPE : Square Flange Receptacle
 CONTACT TYPE : Standard Crimp Contact
 SHELL SIZE : 25
 PLATING : X = Without Plating

Delivered W/O Contacts
 ORIENTATION : B
 CONTACT TYPE : PIN(500 Matings)
 CONTACT LAYOUT : 25-04

Contact Layout



Contacts (Insert arrangement 25-4)					
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)	f	+412 (10.46)	+000 (0.00)
B	+203 (5.16)	+495 (12.57)	g	+377 (9.58)	-132 (3.35)
C	+324 (8.23)	+425 (10.80)	h	+311 (7.90)	-251 (6.38)
D	+424 (10.77)	+326 (8.28)	k	+212 (5.38)	-344 (8.74)
E	+493 (12.52)	+205 (5.21)	m	+086 (2.18)	-397 (10.08)
F	+531 (13.49)	+069 (1.75)	n	-086 (2.18)	-397 (10.08)
G	+531 (13.49)	-069 (1.75)	p	-212 (5.38)	-344 (8.74)
H	+493 (12.52)	-205 (5.21)	q	-311 (7.90)	-251 (6.38)
J	+424 (10.77)	-326 (8.28)	r	-377 (9.58)	-132 (3.35)
K	+324 (8.23)	-425 (10.80)	s	-412 (10.46)	+000 (0.00)
L	+203 (5.16)	-495 (12.57)	t	-377 (9.58)	+132 (3.35)
M	+069 (1.75)	-531 (13.49)	u	-311 (7.90)	+251 (6.38)
N	-069 (1.75)	-531 (13.49)	v	-212 (5.38)	+344 (8.74)
P	-203 (5.16)	-495 (12.57)	w	-086 (2.18)	+397 (10.08)
R	-324 (8.23)	-425 (10.80)	x	+069 (1.75)	+263 (6.68)
S	-424 (10.77)	-326 (8.28)	y	+172 (4.37)	+149 (3.78)
T	-493 (12.52)	-205 (5.21)	z	+258 (6.55)	+000 (0.00)
U	-531 (13.49)	-069 (1.75)	AA	+172 (4.37)	-149 (3.78)
V	-531 (13.49)	+069 (1.75)	BB	+069 (1.75)	-263 (6.68)
W	-493 (12.52)	+205 (5.21)	CC	-069 (1.75)	-263 (6.68)

Contacts (Insert arrangement 25-4)					
Contact position ID	Location		Contact position ID	Location	
	X-axis (mm)	Y-axis (mm)		X-axis (mm)	Y-axis (mm)
X	-424 (10.77)	+326 (8.28)	DD	-172 (4.37)	-149 (3.78)
Y	-324 (8.23)	+425 (10.80)	EE	-258 (6.55)	+000 (0.00)
Z	-203 (5.16)	+495 (12.57)	FF	-172 (4.37)	+149 (3.78)
a	-069 (1.75)	+531 (13.49)	GG	-069 (1.75)	+263 (6.68)
b	+086 (2.18)	+397 (10.08)	HH	+000 (0.00)	+132 (3.35)
c	+212 (5.38)	+344 (8.74)	JJ	+086 (2.18)	+000 (0.00)
d	+311 (7.90)	+251 (6.38)	KK	+000 (0.00)	-132 (3.35)
e	+377 (9.58)	+132 (3.35)	LL	-086 (2.18)	+000 (0.00)

Shell size	Arrangement no.	Number of contacts	Size contacts	Service rating	Contact location	Supersedes
25	-4	8	16	I	y, z, AA, DD, EE, FF, LL, JJ	MS20057-4
		48	20		All others	

Panel Cutout



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

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Designed By:		Date:	CUSTOMER DRAWING
TITLE	Composite Receptacle 8D series		
SCALE		General linear Tolerances:	NPRDS / PROJECT
NA		±--	859
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FORMAT	SOURIAU DRG N° 8D025X04PBL-C		SHEET 2/2