



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 : 38.29 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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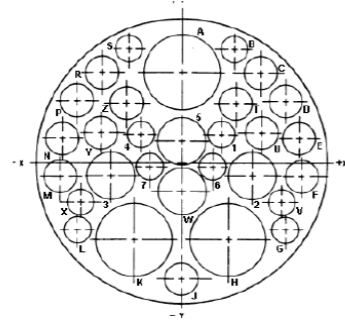
Country	Jurisdiction & Control List
FR	Not Listed

PN: 8D025Z20PAL

A	09-10-2016	First Release	
ISS	DATE	Latest modification - by	MOD N°
Designed By:		Date:	CUSTOMER DRAWING
TITLE	Aluminium Receptacle 8D series		
SCALE		General linear Tolerances: ±--	NPRDS / PROJECT 859
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SOURIAU	WWW.SOURIAU.COM		
FORMAT	SOURIAU DRG N° 8D025Z20PAL-C		SHEET 1/2
A3			

BASIC SERIES:	8D	0	-	25	Z	20	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 : 25-20
PLATING :	Z = Black Zinc Nickel									

Contact Layout



Contacts (Insert arrangement 25-20)					
Contact position ID	Location		Contact position ID	Location	
	X-axis (mm)	Y-axis (mm)		X-axis (mm)	Y-axis (mm)
A	+000 (0.00)	+407 (10.34)	S	-234 (5.94)	+511 (12.98)
B	+234 (5.94)	+511 (12.98)	T	+243 (6.17)	+270 (6.86)
C	+352 (8.94)	+411 (10.44)	U	+357 (9.07)	+136 (3.45)
D	+466 (11.84)	+275 (6.99)	V	+450 (11.43)	-183 (4.65)
E	+530 (13.46)	+111 (2.82)	W	+000 (0.00)	-131 (3.33)
F	+537 (13.64)	-060 (1.52)	X	-450 (11.43)	-183 (4.65)
G	+467 (11.86)	-312 (7.92)	Y	-357 (9.07)	+136 (3.45)
H	+208 (5.28)	-353 (8.97)	Z	-243 (6.17)	+270 (6.86)
J	+000 (0.00)	-541 (13.74)	1	+195 (4.95)	+115 (2.92)
K	-208 (5.28)	-353 (8.97)	2	+317 (8.05)	-061 (1.55)
L	-467 (11.86)	-312 (7.92)	3	-317 (8.05)	-061 (1.55)
M	-537 (13.64)	-060 (1.52)	4	-195 (4.95)	+115 (2.92)

Contacts (Insert arrangement 25-20)					
Contact position ID	Location		Contact position ID	Location	
	X-axis (mm)	Y-axis (mm)		X-axis (mm)	Y-axis (mm)
N	-530 (13.46)	+111 (2.82)	5	+000 (0.00)	+099 (2.51)
P	-466 (11.84)	+275 (6.99)	6	+141 (3.58)	-018 (0.46)
R	-352 (8.94)	+411 (10.44)	7	-141 (3.58)	-018 (0.46)

Shell size	Arrangement no.	Number of contacts	Size contacts	Service rating	Contact location	Standard contact	
						Pin	Socket
25	-20	3	8	Twinax	A,H,K	M39029/90-529	M39029/91-530
		4	12	Coax	2,3	M39029/28-211	M39029/75-416
		13	16	N	W,5	M39029/102-558	M39029/103-559
					C,D,E,F, J,M,N,P, R,T,U,Y, Z	M39029/56-364	M39029/56-352
10	20		B,G,L,S, V,X,1,4, 6,7	M39029/56-363	M39029/56-351		

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	SOURIAU DRG N° 8D025Z20PAL-C		SHEET 2/2