



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 : 42.43 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: 8D025Z29PAL

A	10-10-2016	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	A3		SOURIAU DRG N° 8D025Z29PAL-C
			SHEET 1/2

BASIC SERIES: 8D 0 - 25 Z 29 P A L
 SHELL TYPE : Square Flange Receptacle
 CONTACT TYPE : Standard Crimp Contact
 SHELL SIZE : 25
 PLATING : Z = Black Zinc Nickel

Delivered W/O Contacts
 ORIENTATION : A
 CONTACT TYPE : PIN(500 Matings)
 CONTACT LAYOUT : 25-29

Contact Layout



Contacts (Insert arrangement 25-29)					
Contact position ID	Location		Contact position ID	Location	
	X-axis (mm)	Y-axis (mm)		X-axis (mm)	Y-axis (mm)
A	+000 (0.00)	+481 (12.22)	S	-.091 (2.31)	+321 (8.15)
B	+258 (6.55)	+406 (10.31)	T	+091 (2.31)	+321 (8.15)
C	+395 (10.03)	+277 (7.04)	U	+228 (5.79)	+194 (4.93)
D	+469 (11.91)	+109 (2.77)	V	+319 (8.10)	+000 (0.00)
E	-.460 (11.91)	-100 (2.77)	W	-.240 (6.10)	-.181 (4.60)
F	+395 (10.03)	-277 (7.04)	X	+091 (2.31)	-.290 (7.37)
G	+263 (6.68)	-406 (10.31)	Y	-.091 (2.31)	-.290 (7.37)
H	+091 (2.31)	-472 (11.99)	Z	-.240 (6.10)	-.181 (4.60)
J	-.091 (2.31)	-472 (11.99)	a	-.319 (8.10)	+000 (0.00)
K	-.263 (6.68)	-406 (10.31)	b	-.228 (5.79)	+194 (4.93)
L	-.395 (10.03)	-277 (7.04)	c	+000 (0.00)	+161 (4.09)
M	-.469 (11.91)	-109 (2.77)	d	+134 (3.40)	+000 (0.00)
N	-.469 (11.91)	+109 (2.77)	e	+000 (0.00)	-.130 (3.30)
P	-.395 (10.03)	+277 (7.04)	f	-.134 (3.40)	+000 (0.00)
R	-.258 (6.55)	+406 (10.31)	---	---	---

Shell size	Arrangement no.	Number of contacts	Size contacts	Service rating	Contact location	Supersedes
25	-29	29	16	I	All	MS20057-29

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° 8D025Z29PAL-C		SHEET 2/2