

LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

CHARACTERISTICS

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Aluminium
- Shell Plating : Olive drab Cadmium
- 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 : 25.8 g ± 10%

Connector dimension	
Dim	Nominal
P	3.25±0.2
PP	4.93±0.2
R1	29.36
R2	26.97
S	36.5±0.3
V	20.83+0/-1.25
W	2.1/2.5
Z	31.5 Max
VV THREAD	M28x1-6g

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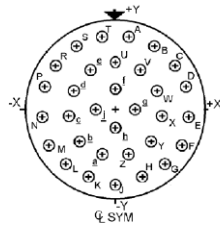
Country	Jurisdiction & Control List
FR	Not Listed

PN: 8D019W32PEL

A	02-11-2016	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° 8D019W32PEL-C
			SHEET 1/2

BASIC SERIES:	8D	0	-	19	W	32	P	E	L	Delivered W/O Contacts
SHELL TYPE :	Square Flange Receptacle									ORIENTATION : E
CONTACT TYPE :	Standard Crimp Contact									CONTACT TYPE : PIN(500 Matings)
SHELL SIZE :	19									CONTACT LAYOUT : 19-32
PLATING :	W = Olive drab Cadmium									

Contact Layout



Contacts (insert arrangement 19-32)					
Contact position ID	Contact location		Contact position ID	Contact location	
	X-axis (mm)	Y-axis (mm)		X-axis (mm)	Y-axis (mm)
A	+066 (1.68)	+353 (8.97)	T	-066 (1.68)	+353 (8.97)
B	+189 (4.80)	+305 (7.75)	U	+000 (0.00)	+230 (5.84)
C	+286 (7.26)	+217 (5.51)	V	+124 (3.15)	+193 (4.90)
D	+345 (8.79)	+098 (2.49)	w	+209 (5.31)	-095 (2.41)
E	+357 (9.07)	-033 (0.84)	X	+228 (5.79)	-033 (0.84)
F	+321 (8.15)	-160 (4.06)	Y	+174 (4.42)	-151 (3.84)
G	+242 (6.15)	-265 (6.73)	Z	+065 (1.65)	-221 (5.61)
H	+130 (3.30)	-335 (8.51)	a	-065 (1.65)	-221 (5.61)
J	-000 (0.00)	-359 (9.12)	b	-174 (4.42)	-151 (3.84)
K	-130 (3.30)	-335 (8.51)	c	-228 (5.79)	-033 (0.84)
L	-242 (6.15)	-265 (6.73)	d	-209 (5.31)	+095 (2.41)
M	-321 (8.15)	-160 (4.06)	e	-124 (3.15)	+193 (4.90)
N	-357 (9.07)	-033 (0.84)	f	+000 (0.00)	+096 (2.44)
P	-345 (8.79)	+098 (2.49)	g	+096 (2.44)	+000 (0.00)
R	-286 (7.26)	+217 (5.51)	h	+000 (0.00)	-096 (2.44)
S	-189 (4.80)	+305 (7.75)	j	-096 (2.44)	+000 (0.00)

Shell size	Arrangement no.	Number of contacts	Size contacts	Service rating	Contact location	Supersedes
19	-32	32	20	I	All	MS20054-32

Panel Cutout



Dim	Nominal
ØA	32.94 min
ØAA	28.98 min
R1	29.36
ØT	3.25 ±0.13

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Designed By:		Date:	CUSTOMER DRAWING
TITLE	Aluminium Receptacle 8D series		
SCALE		General linear Tolerances:	NPRDS / PROJECT
NA		±--	859
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FORMAT	SOURIAU DRG N° 8D019W32PEL-C		SHEET 2/2