



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

**CHARACTERISTICS**

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Composite
- Shell Plating : 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 +200°C
- Salt Spray : 2000 hours

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'	19.5+1.4/-0
W'	2.1/3.65
Z'	32 Max
VV THREAD	M28x1-6g

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Country	Jurisdiction & Control List
FR	Not Listed

**PN: 8D019M28PEL**

A	08-10-2016	First Release	
ISS	DATE	Latest modification - by	MOD N°
Designed By:		Date:	<b>CUSTOMER DRAWING</b>

**TITLE** Composite Receptacle 8D series

SCALE		General linear Tolerances: ±--	NPRDS / PROJECT
NA			<b>859</b>

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FORMAT	<b>SOURIAU DRG N° 8D019M28PEL-C</b>		SHEET
<b>A3</b>			<b>1/2</b>

BASIC SERIES: 8D 0 - 19 M 28 P E L

SHELL TYPE : Square Flange Receptacle Delivered W/O Contacts

CONTACT TYPE : Standard Crimp Contact ORIENTATION : E

SHELL SIZE : 19 CONTACT TYPE : PIN(500 Matings)

PLATING : M = Nickel CONTACT LAYOUT : 19-28

Contact Layout



Contacts (Insert arrangement 19-28)					
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)	R	-286 (7.26)	+217 (5.51)
B	+189 (4.80)	+305 (7.75)	S	-189 (4.80)	+305 (7.75)
C	+286 (7.26)	+217 (5.51)	T	-066 (1.68)	+353 (8.97)
D	+345 (8.76)	+098 (2.49)	U	+000 (0.00)	+230 (5.84)
E	+357 (9.07)	-033 (0.84)	V	+124 (3.15)	+193 (4.90)
F	+321 (8.15)	-160 (4.06)	W	+209 (5.31)	+095 (2.41)
G	+242 (6.15)	-265 (6.73)	X	+228 (5.79)	-033 (0.84)
H	+130 (3.30)	-335 (8.51)	Y	+174 (4.42)	-151 (3.84)
J	+000 (0.00)	-359 (9.12)	Z	+000 (0.00)	-191 (4.85)
K	-130 (3.30)	-335 (8.51)	a	-174 (4.42)	-151 (3.84)
L	-242 (6.15)	-265 (6.73)	b	-228 (5.79)	-033 (0.84)
M	-321 (8.15)	-160 (4.06)	c	-209 (5.31)	+095 (2.41)
N	-357 (9.07)	-033 (0.84)	d	-124 (3.15)	+193 (4.90)
P	-345 (8.76)	+098 (2.49)	e	+000 (0.00)	+062 (1.57)

Shell size	Arrangement no.	Number of contacts	Size contacts	Service rating	Contact location	Supersedes
19	-28	2	16	I	a, Z	MS20054-28
		26	20		All others	

Panel Cutout



Dim	Nominal
ØA	32.96 min
ØAA	28.98 min
R1	29.36
ØT	3.25 ±0.13

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