



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 : 21 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: 8D019X35PAL**

A	02-11-2016	First Release	
ISS	DATE	Latest modification - by	MOD N°
Designed By:		Date:	<b>CUSTOMER DRAWING</b>
<b>TITLE</b>	<b>Composite Receptacle 8D series</b>		
SCALE	NA	General linear Tolerances: ±--	NPRDS / PROJECT <b>859</b>
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FORMAT	<b>A3</b>		<b>SOURIAU DRG N° 8D019X35PAL-C</b>
			SHEET 1/2

BASIC SERIES:	8D	0	-	19	X	35	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 :	19									CONTACT LAYOUT : 19-35
PLATING :	X = Without Plating									

Contact Layout



Contacts (Insert arrangement 19-35)					
Contact position ID	Location		Contact position ID	Location	
	X-axis (mm)	Y-axis (mm)		X-axis (mm)	Y-axis (mm)
1	-357 (9.07)	+090 (2.29)	34	+045 (1.14)	+360 (9.14)
2	-357 (9.07)	+000 (0.00)	35	+045 (1.14)	+270 (6.86)
3	-357 (9.07)	-090 (2.29)	36	+045 (1.14)	+180 (4.57)
4	-279 (7.09)	+225 (5.72)	37	+045 (1.14)	+090 (2.29)
5	-279 (7.09)	+135 (3.43)	38	+045 (1.14)	+000 (0.00)
6	-279 (7.09)	+045 (1.14)	39	+045 (1.14)	-090 (2.29)
7	-279 (7.09)	-045 (1.14)	40	+045 (1.14)	-180 (4.57)
8	-279 (7.09)	-135 (3.43)	41	+045 (1.14)	-270 (6.86)
9	-279 (7.09)	-225 (5.72)	42	+045 (1.14)	-360 (9.14)
10	-201 (5.11)	+270 (6.86)	43	+123 (3.12)	+315 (8.00)
11	-201 (5.11)	+180 (4.57)	44	+123 (3.12)	+225 (5.72)
12	-201 (5.11)	+090 (2.29)	45	+123 (3.12)	+135 (3.43)
13	-201 (5.11)	+000 (0.00)	46	+123 (3.12)	+045 (1.14)
14	-201 (5.11)	-090 (2.29)	47	+123 (3.12)	-045 (1.14)
15	-201 (5.11)	-180 (4.57)	48	+123 (3.12)	-135 (3.43)
16	-201 (5.11)	-270 (6.86)	49	+123 (3.12)	-225 (5.72)
17	-123 (3.12)	+315 (8.00)	50	+123 (3.12)	-315 (8.00)

Contacts (Insert arrangement 19-35)					
Contact position ID	Location		Contact position ID	Location	
	X-axis (mm)	Y-axis (mm)		X-axis (mm)	Y-axis (mm)
18	-123 (3.12)	+225 (5.72)	51	+201 (5.11)	+270 (6.86)
19	-123 (3.12)	+135 (3.43)	52	+201 (5.11)	+180 (4.57)
20	-123 (3.12)	+045 (1.14)	53	+201 (5.11)	+090 (2.29)
21	-123 (3.12)	-045 (1.14)	54	+201 (5.11)	+000 (0.00)
22	-123 (3.12)	-135 (3.43)	55	+201 (5.11)	-090 (2.29)
23	-123 (3.12)	-225 (5.72)	56	+201 (5.11)	-180 (4.57)
24	-123 (3.12)	-315 (8.00)	57	+201 (5.11)	-270 (6.86)
25	-045 (1.14)	+360 (9.14)	58	+279 (7.09)	+225 (5.72)
26	-045 (1.14)	+270 (6.86)	59	+279 (7.09)	+135 (3.43)
27	-045 (1.14)	+180 (4.57)	60	+279 (7.09)	+045 (1.14)
28	-045 (1.14)	+090 (2.29)	61	+279 (7.09)	-045 (1.14)
29	-045 (1.14)	+000 (0.00)	62	+279 (7.09)	-135 (3.43)
30	-045 (1.14)	-090 (2.29)	63	+279 (7.09)	-225 (5.72)
31	-045 (1.14)	-180 (4.57)	64	+357 (9.07)	+090 (2.29)
32	-045 (1.14)	-270 (6.86)	65	+357 (9.07)	+000 (0.00)
33	-045 (1.14)	-360 (9.14)	66	+357 (9.07)	-090 (2.29)

(Applicable to MIL-DTL-38999 only)						
Shell size	Arrangement no.	Number of contacts	Size contacts	Service rating	Contact location	Supersedes
19	-35	66	22D	M	All	MS27530-35

Panel Cutout



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

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FORMAT	<b>SOURIAU DRG N° 8D019X35PAL-C</b>		SHEET 2/2