

H G F E D C B A



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 with Souriau contacts and Accessories
- Temperature Range : -65°C to +175°C
- Salt Spray : 2000 hours
- Mass : 17.4 g ± 10%

Connector dimension	
Dim	Nominal
ØS	29.4 Max
Z	31 Max
VV THREAD	M18x1-6g

SOURIAU shall not be liable for any non-conformity or damage due to a use of the Products which does not comply with the Specifications issued by either of the Parties or by a third party (professional recommendation, technical notice.)

Country	Jurisdiction & Control List
FR	Not Listed

PN: 8D513X35PN

A	19-10-2016	First Release	
ISS	DATE	Latest modification - by	MOD N°
Designed By:		Date:	CUSTOMER DRAWING
TITLE		Composite Plug 8D series	
SCALE	NA	General linear Tolerances: ±--	NPRDS / PROJECT 859
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FORMAT	SOURIAU DRG N° 8D513X35PN-C		SHEET 1/2

BASIC SERIES:	8D	5	-	13	X	35	P	N	ORIENTATION : N
SHELL TYPE :	Plug with RFI Shielding								CONTACT TYPE : PIN(500 Matings)
CONTACT TYPE :	Standard Crimp Contact								CONTACT LAYOUT : 13-35
SHELL SIZE :	13								
PLATING :	X = Without Plating								

4
3
2
1

4
3
2
1

2

2

1

1

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Contact Layout



Contacts (Insert arrangement 13-35)					
Contact position ID	Location		Contact position ID	Location	
	X-axis (mm)	Y-axis (mm)		X-axis (mm)	Y-axis (mm)
1	+045 (1.14)	+197 (5.00)	12	-182 (4.62)	+088 (2.24)
2	+126 (3.20)	+158 (4.01)	13	-126 (3.20)	+158 (4.01)
3	+182 (4.62)	+088 (2.24)	14	-045 (1.14)	+197 (5.00)
4	+203 (5.16)	+000 (0.00)	15	+045 (1.14)	+107 (2.72)
5	+182 (4.62)	-088 (2.24)	16	+117 (2.97)	+026 (0.66)
6	+126 (3.20)	-158 (4.01)	17	+093 (2.36)	-075 (1.91)
7	+045 (1.14)	-197 (5.00)	18	+000 (.00)	-120 (3.05)
8	-045 (1.14)	-197 (5.00)	19	-093 (2.36)	-075 (1.91)
9	-126 (3.20)	-158 (4.01)	20	-117 (2.97)	+026 (0.66)
10	-182 (4.62)	-088 (2.24)	21	-045 (1.14)	+107 (2.72)
11	-203 (5.16)	+000 (0.00)	22	+000 (.00)	-030 (0.76)

(Applicable to MIL-DTL-38999 only)						
Shell size	Arrangement no.	Number of contacts	Size contacts	Service rating	Contact location	Supersedes
13	-35	22	22D	M	All	MS27527-35

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Designed By:		Date:	CUSTOMER DRAWING
TITLE	Composite Plug 8D series		
SCALE		General linear Tolerances:	NPRDS / PROJECT
NA		±--	859
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FORMAT	SOURIAU DRG N° 8D513X35PN-C		SHEET 2/2