

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 : 10.1 g ± 10%

Connector dimension	
Dim	Nominal
ØS	21.8 Max
Z	31 Max
VV THREAD	M12x1-6g

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: 8D509X35BA**

A	15-10-2016	First Release	
ISS	DATE	Latest modification - by	MOD N°
Designed By:		Date:	<b>CUSTOMER DRAWING</b>
<b>TITLE</b>		Composite Plug 8D series	
SCALE	NA	General linear Tolerances: ±--	NPRDS / PROJECT <b>859</b>
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FORMAT	<b>SOURIAU DRG N° 8D509X35BA-C</b>		SHEET 1/2

BASIC SERIES:	8D	5	-	09	X	35	B	A
SHELL TYPE	: Plug with RFI Shielding							
CONTACT TYPE	: Standard Crimp Contact							
SHELL SIZE	: 09							
PLATING	: X = Without Plating							
							ORIENTATION : A	
							CONTACT TYPE : SOCKET(500 Matings)	
							CONTACT LAYOUT : 09-35	

4  
3  
2  
1

4  
3  
2  
1

2

2

1

1

H G F E D C B A

Contact Layout



Contact position ID	Contact location	
	X-axis (mm)	Y-axis (mm)
1	+045 (1.14)	+078 (1.98)
2	+078 (1.98)	-045 (1.14)
3	+000 (0.00)	-090 (2.29)
4	-078 (1.98)	-045 (1.14)
5	-045 (1.14)	+078 (1.98)
6	+000 (0.00)	+000 (0.00)

(Applicable to MIL-DTL-38999 and SAE-AS29600)

Shell size	Arrangement no.	Number of contacts	Size contacts	Service rating	Contact location	Supersedes
9	-35	6	22D	M	All	MS27525-35

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FORMAT	<b>SOURIAU DRG N° 8D509X35BA-C</b>		SHEET 2/2