

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 : 44.7 g ± 10%

Connector dimension	
Dim	Nominal
ØS	38.5 Max
Z	31 Max
VV THREAD	M28x1-6g

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: 8D519X32BA

A	19-10-2016	First Release	
ISS	DATE	Latest modification - by	MOD N°
Designed By:		Date:	CUSTOMER DRAWING
TITLE		Composite Plug 8D series	
SCALE		General linear Tolerances: ±--	NPRDS / PROJECT 859
NA		This document is the property of SOURIAU it must not be reproduced or communicated without permission	
SOURIAU		WWW.SOURIAU.COM	
FORMAT	SOURIAU DRG N° 8D519X32BA-C		SHEET 1/2

BASIC SERIES:	8D	5	-	19	X	32	B	A
SHELL TYPE :	Plug with RFI Shielding							
CONTACT TYPE :	Standard Crimp Contact							
SHELL SIZE :	19							
PLATING :	X = Without Plating							
								ORIENTATION : A
								CONTACT TYPE : SOCKET(500 Matings)
								CONTACT LAYOUT : 19-32

H G F E D C B A

4
3
2
1

4
3
2
1

H G F E D C B A

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Contact Layout



Contacts (Insert arrangement 19-32)						
Contact position ID	Contact location		Contact position ID	Contact location		Supersedes
	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

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TITLE	Composite Plug 8D series		
SCALE		General linear Tolerances:	NPRDS / PROJECT
NA		±--	859
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FORMAT	SOURIAU DRG N° 8D519X32BA-C		SHEET 2/2