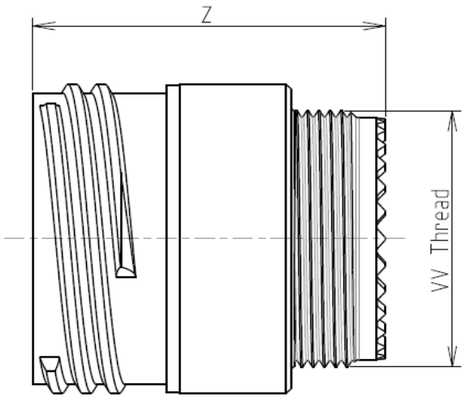
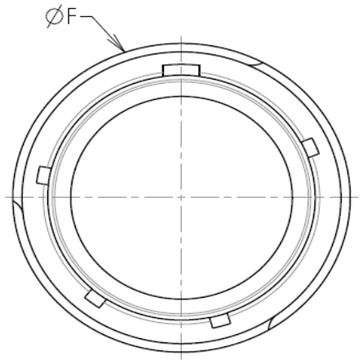
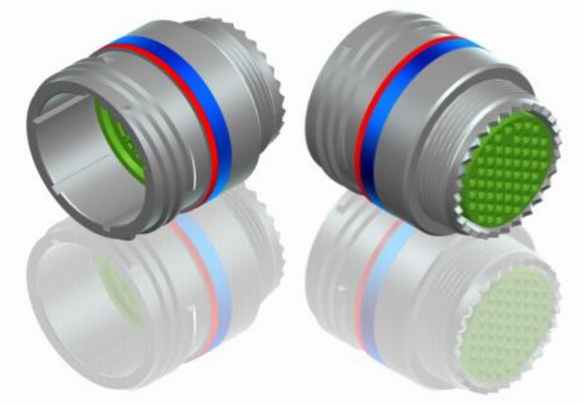




Keying Shown as example



LAYOUT SHOWN AS EXAMPLE

CHARACTERISTICS

-Standard : Based on MIL-DTL-38999 Series III
-Shell Material : Aluminium
-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 with Souriau contacts and Accessories
-Temperature Range : -65°C to +200°C
-Salt Spray : 48 hours

Connector dimension	
Dim	**Nominal**
F	31.75 Max
Z	31.5 Max
VV THREAD	M28x1-6g

BASIC SERIES:	8D	1	-	19	F	18	P	N

SHELL TYPE : In line Receptacle
CONTACT TYPE : Standard Crimp Contact
SHELL SIZE : 19
PLATING : F = Nickel
ORIENTATION : N
CONTACT TYPE : PIN(500 Matings)
CONTACT LAYOUT : 19-18

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: 8D119F18PN

ISS	DATE	Latest modification - by	MOD N°
A	24-09-2016	First Release	

Designed By: Date: **CUSTOMER DRAWING**

TITLE Aluminium Inline plug 8D series

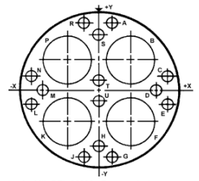
SCALE NA | General linear Tolerances: ±-- | NPRDS / PROJECT **859**

SOURIAU | WWW.SOURIAU.COM

This document is the property of SOURIAU
it must not be reproduced or communicated without permission

FORMAT A3 | SOURIAU DRG N° 8D119F18PN-C | SHEET 1/2

Contact Layout



(Inactive for new design for MIL-DTL-38999. For new design, use arrangement no. 19-19.)

Contacts (Insert arrangement 19-18)					
Contact position ID	Location X-axis (mm)	Location Y-axis (mm)	Contact position ID	Location X-axis (mm)	Location Y-axis (mm)
A	+.068 (1.73)	+.380 (9.65)	K	-.180 (4.57)	-.180 (4.57)
B	+.180 (4.57)	+.180 (4.57)	L	-.377 (9.58)	-.065 (1.65)
C	+.377 (9.58)	+.065 (1.65)	M	-.317 (8.05)	+.000 (0.00)
D	+.317 (8.05)	+.000 (0.00)	N	-.377 (9.58)	+.065 (1.65)
E	+.377 (9.58)	-.065 (1.65)	P	-.180 (4.57)	+.180 (4.57)
F	+.180 (4.57)	-.180 (4.57)	R	-.068 (1.73)	+.380 (9.65)
G	+.068 (1.73)	-.380 (9.65)	S	+.000 (0.00)	+.319 (8.10)
H	+.000 (0.00)	-.319 (8.10)	T	+.000 (0.00)	+.044 (1.12)
J	-.068 (1.73)	-.380 (9.65)	U	+.000 (0.00)	-.044 (1.12)

Shell size	Arrangement No.	Number of contacts	Size contacts	Service rating	Contact location	Standard contact Pin	Standard contact Socket
19	18	4	8 (see note)	Twinax	B, F, K, P	M39029/90-529	M39029/91-530
		14	22D	M	All others	M39029/58	M39029/56

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: 8D119F18PN

ISS	DATE	Latest modification - by	MOD N°
A	24-09-2016	First Release	

Designed By: Date: **CUSTOMER DRAWING**

TITLE Aluminium Inline plug 8D series

SCALE NA | General linear Tolerances: ±-- | NPRDS / PROJECT **859**

SOURIAU WWW.SOURIAU.COM

This document is the property of SOURIAU
it must not be reproduced or communicated without permission

FORMAT A3 | SOURIAU DRG N° 8D119F18PN-C | SHEET 2/2