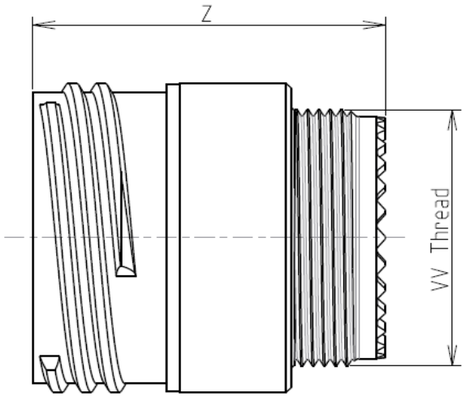
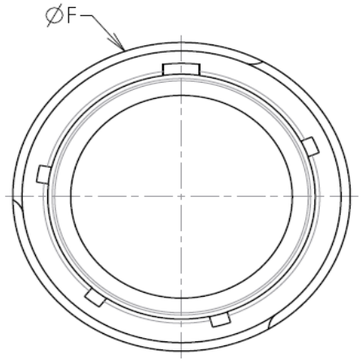
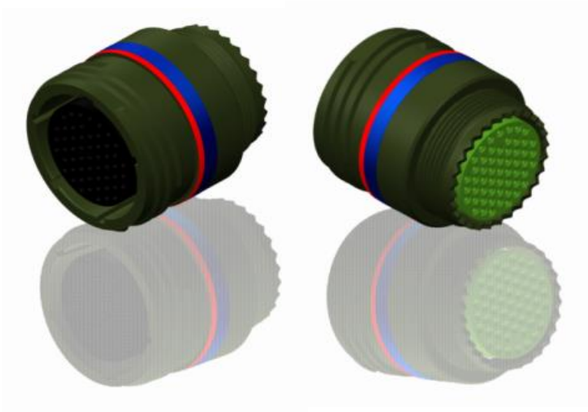




Keying Shown as example



LAYOUT SHOWN AS EXAMPLE

CHARACTERISTICS

-Standard : Based on MIL-DTL-38999 Series III
-Shell Material : Aluminium
-Shell Plating : Olive drab Cadmium
-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 : 500 hours

Connector dimension	
Dim	**Nominal**
F	35 Max
Z	31.5 Max
VV THREAD	M31x1-6g

BASIC SERIES:	8D	1	-	21	W	35	B	A	
SHELL TYPE : In line Receptacle									
CONTACT TYPE : Standard Crimp Contact									ORIENTATION : A
SHELL SIZE : 21									CONTACT TYPE : SOCKET(500 Matings)
PLATING : W = Olive drab Cadmium									CONTACT LAYOUT : 21-35

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: 8D121W35BA

ISS	DATE	Latest modification - by	MOD N°
A	23-09-2016	First Release	

Designed By: Date: **CUSTOMER DRAWING**

TITLE Aluminium Inline plug 8D series

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

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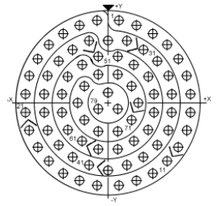
FORMAT A3 | SOURIAU DRG N° 8D121W35BA-C | SHEET 1/2

Contact Layout



Contacts (Insert arrangement 21-35)					
Contact position ID	Location		Contact position ID	Location	
	X-axis (mm)	Y-axis (mm)		X-axis (mm)	Y-axis (mm)
1	+.053 (1.35)	+.426 (10.82)	41	-.098 (2.49)	-.322 (8.18)
2	+.146 (3.71)	+.404 (10.26)	42	-.184 (4.67)	-.280 (7.11)
3	+.232 (5.89)	+.362 (9.19)	43	-.258 (6.55)	-.220 (5.59)
4	+.306 (7.77)	+.302 (7.67)	44	-.311 (7.90)	-.141 (3.58)
5	+.365 (9.27)	+.227 (5.77)	45	-.332 (8.43)	-.048 (1.22)
6	+.406 (10.31)	+.141 (3.58)	46	-.332 (8.43)	+.048 (1.22)
7	+.427 (10.85)	+.048 (1.22)	47	-.311 (7.90)	+.141 (3.58)
8	+.427 (10.85)	-.048 (1.22)	48	-.258 (6.55)	+.220 (5.59)
9	+.406 (10.31)	-.141 (3.58)	49	-.184 (4.67)	+.280 (7.11)
10	+.365 (9.27)	-.227 (5.77)	50	-.098 (2.49)	+.322 (8.18)
11	+.306 (7.77)	-.302 (7.67)	51	-.048 (1.22)	+.241 (6.12)
12	+.232 (5.89)	-.362 (9.19)	52	+.048 (1.22)	+.241 (6.12)
13	+.146 (3.71)	-.404 (10.26)	53	+.134 (3.40)	+.199 (5.05)
14	+.053 (1.35)	-.426 (10.82)	54	+.208 (5.28)	+.139 (3.53)
15	-.053 (1.35)	-.426 (10.82)	55	+.237 (6.02)	+.048 (1.22)
16	-.146 (3.71)	-.404 (10.26)	56	+.237 (6.02)	-.048 (1.22)
17	-.232 (5.89)	-.362 (9.19)	57	+.208 (5.28)	-.139 (3.53)

Contacts (Insert arrangement 21-35)					
Contact position ID	Location		Contact position ID	Location	
	X-axis (mm)	Y-axis (mm)		X-axis (mm)	Y-axis (mm)
18	-.306 (7.77)	-.302 (7.67)	58	+.134 (3.40)	-.199 (5.05)
19	-.365 (9.27)	-.227 (5.77)	59	+.048 (1.22)	-.241 (6.12)
20	-.406 (10.31)	-.141 (3.58)	60	-.048 (1.22)	-.241 (6.12)
21	-.427 (10.85)	-.048 (1.22)	61	-.134 (3.40)	-.199 (5.05)
22	-.427 (10.85)	+.048 (1.22)	62	-.208 (5.28)	-.139 (3.53)
23	-.406 (10.31)	+.141 (3.58)	63	-.237 (6.02)	-.048 (1.22)
24	-.365 (9.27)	+.227 (5.77)	64	-.237 (6.02)	+.048 (1.22)
25	-.306 (7.77)	+.302 (7.67)	65	-.208 (5.28)	+.139 (3.53)
26	-.232 (5.89)	+.362 (9.19)	66	-.134 (3.40)	+.199 (5.05)
27	-.146 (3.71)	+.404 (10.26)	67	-.048 (1.22)	+.146 (3.71)
28	-.053 (1.35)	+.426 (10.82)	68	+.048 (1.22)	+.146 (3.71)
29	+.000 (.00)	+.323 (8.20)	69	+.125 (3.18)	+.090 (2.29)
30	+.098 (2.49)	+.322 (8.18)	70	+.155 (3.94)	+.000 (0.00)
31	+.184 (4.67)	+.280 (7.11)	71	+.125 (3.18)	-.090 (2.29)
32	+.258 (6.55)	+.220 (5.59)	72	+.048 (1.22)	-.146 (3.71)
33	+.311 (7.90)	+.141 (3.58)	73	-.048 (1.22)	-.146 (3.71)
34	+.332 (8.43)	+.048 (1.22)	74	-.125 (3.18)	-.090 (2.29)
35	+.332 (8.43)	-.048 (1.22)	75	-.155 (3.94)	+.000 (0.00)
36	+.311 (7.90)	-.141 (3.58)	76	-.125 (3.18)	+.090 (2.29)
37	+.258 (6.55)	-.220 (5.59)	77	+.000 (0.00)	+.053 (1.35)
38	+.184 (4.67)	-.280 (7.11)	78	+.048 (1.22)	-.029 (0.74)
39	+.098 (2.49)	-.322 (8.18)	79	-.048 (1.22)	-.029 (0.74)
40	+.000 (0.00)	-.347 (8.81)	---	---	---

(Applicable to MIL-DTL-38999 only)

Shell size	Arrangement no.	Number of contacts	Size contacts	Service rating	Contact location	Supersedes
21	-35	79	22D	M	ALL	MS27531-35

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Country	Jurisdiction & Control List
FR	Not Listed

PN: 8D121W35BA

ISS	DATE	Latest modification - by	MOD N°
A	23-09-2016	First Release	

Designed By: Date: **CUSTOMER DRAWING**

TITLE Aluminium Inline plug 8D series

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

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