Z

ØS

VV Thread

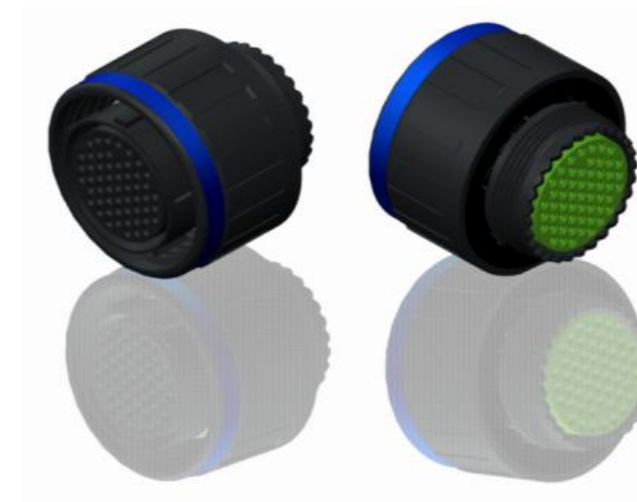Keying Shown as example

LAYOUT 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 without Souriau contacts

-Temperature Range   : -65°C to +175°C

-Salt Spray   : 2000 hours

-Mass   : 36.3 g ± 10%

Connector dimension	
Dim	**Nominal**
ØS	41.7 Max
Z	31 Max
VV THREAD	M31x1-6g

Country	Jurisdiction & Control List
FR	Not Listed

PN: 8D521X35SEL

A	11-10-2016	First Release		
ISS	DATE	Latest modification - by		MOD N°

Designed By: Date: **CUSTOMER DRAWING**

BASIC SERIES: 8D 5 - 21 X 35 S E L

SHELL TYPE : Plug with RFI Shielding

CONTACT TYPE   : Standard Crimp Contact

SHELL SIZE : 21

PLATING   : X =   Without Plating

Delivered W/O Contacts

ORIENTATION : E

CONTACT TYPE : SOCKET(500 Matings)

CONTACT LAYOUT : 21-35

TITLE   Composite Plug 8D series

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

NA

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FORMAT **A3**	SOURIAU DRG N° 8D521X35SEL-C	SHEET 1/2

Contact Layout

Contacts
(Insert arrangement 21-35)

Contact position ID	Location X-axis (mm)	Location Y-axis (mm)	Contact position ID	Location X-axis (mm)	Location 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 X-axis (mm)	Location Y-axis (mm)	Contact position ID	Location X-axis (mm)	Location 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

Country	Jurisdiction & Control List
FR	Not Listed

PN: 8D521X35SEL

A	11-10-2016	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
NA		±--	**859**

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FORMAT	SOURIAU DRG N°	SHEET
A3	8D521X35SEL-C	2/2