Z'

ØS

VV Thread

LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

CHARACTERISTICS

-Standard : Based on MIL-DTL-38999 Series III

-Shell Material   : Composite

-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   : 2000 hours

Connector dimension	
Dim	**Nominal**
ØS	44.9 Max
Z'	31.5 Max
VV THREAD	M34x1-6g

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: 8D523M35HN

A	07-10-2016	First Release	
ISS	DATE	Latest modification - by	MOD N°

Designed By: Date: **CUSTOMER DRAWING**

TITLE   Composite Plug 8D series

BASIC SERIES: 8D 5 - 23 M 35 H N

SHELL TYPE   : Plug with RFI Shielding

CONTACT TYPE   : Standard Crimp Contact

SHELL SIZE : 23

PLATING   : M = Nickel

ORIENTATION : N

CONTACT TYPE : PIN (1500 Matings)

CONTACT LAYOUT : 23-35

SCALE

NA

General linear
Tolerances:
±--

NPRDS / PROJECT

859

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FORMAT

A3

SOURIAU DRG N°
8D523M35HN-C

SHEET

1/2

Contact Layout

Contacts (Insert arrangement 23-35)

Contact position ID	Location X-axis (mm)	Location Y-axis (mm)	Contact position ID	Location X-axis (mm)	Location Y-axis (mm)
1	- .428 (10.87)	+ .241 (6.12)	51	+ .000 (0.00)	- .047 (1.19)
2	- .467 (11.86)	+ .154 (3.91)	52	+ .000 (0.00)	- .142 (3.61)
3	- .488 (12.40)	+ .061 (1.55)	53	+ .000 (0.00)	- .237 (6.02)
4	- .415 (10.54)	+ .000 (0.00)	54	+ .000 (0.00)	- .332 (8.43)
5	- .488 (12.40)	- .061 (1.55)	55	+ .000 (0.00)	- .427 (10.85)
6	- .428 (10.87)	- .142 (3.61)	56	+ .083 (2.11)	+ .475 (12.07)
7	- .428 (10.87)	- .237 (6.02)	57	+ .083 (2.11)	+ .380 (9.65)
8	- .332 (8.43)	+ .333 (8.46)	58	+ .083 (2.11)	+ .285 (7.24)
9	- .332 (8.43)	+ .238 (6.05)	59	+ .083 (2.11)	+ .190 (4.83)
10	- .332 (8.43)	+ .143 (3.63)	60	+ .083 (2.11)	+ .095 (2.41)
11	- .332 (8.43)	+ .048 (1.22)	61	+ .083 (2.11)	+ .000 (0.00)
12	- .332 (8.43)	- .047 (1.19)	62	+ .083 (2.11)	- .095 (2.41)
13	- .332 (8.43)	- .142 (3.61)	63	+ .083 (2.11)	- .190 (4.83)
14	- .332 (8.43)	- .237 (6.02)	64	+ .083 (2.11)	- .285 (7.24)
15	- .332 (8.43)	- .332 (8.43)	65	+ .083 (2.11)	- .380 (9.65)
16	- .249 (6.32)	+ .380 (9.65)	66	+ .083 (2.11)	- .475 (12.07)
17	- .249 (6.32)	+ .285 (7.24)	67	+ .166 (4.22)	+ .428 (10.87)
18	- .249 (6.32)	+ .190 (4.83)	68	+ .166 (4.22)	+ .333 (8.46)

Contacts (Insert arrangement 23-35)

Contact position ID	Location X-axis (mm)	Location Y-axis (mm)	Contact position ID	Location X-axis (mm)	Location Y-axis (mm)
19	- .249 (6.32)	+ .095 (2.41)	69	+ .166 (4.22)	+ .238 (6.05)
20	- .249 (6.32)	+ .000 (0.00)	70	+ .166 (4.22)	+ .143 (3.63)
21	- .249 (6.32)	- .095 (2.41)	71	+ .166 (4.22)	+ .048 (1.22)
22	- .249 (6.32)	- .190 (4.83)	72	+ .166 (4.22)	- .047 (1.19)
23	- .249 (6.32)	- .285 (7.24)	73	+ .166 (4.22)	- .142 (3.61)
24	- .249 (6.32)	- .380 (9.65)	74	+ .166 (4.22)	- .237 (6.02)
25	- .166 (4.22)	+ .428 (10.87)	75	+ .166 (4.22)	- .332 (8.43)
26	- .166 (4.22)	+ .333 (8.46)	76	+ .166 (4.22)	- .427 (10.85)
27	- .166 (4.22)	+ .238 (6.05)	77	+ .249 (6.32)	+ .380 (9.65)
28	- .166 (4.22)	+ .143 (3.63)	78	+ .249 (6.32)	+ .285 (7.24)
29	- .166 (4.22)	+ .048 (1.22)	79	+ .249 (6.32)	+ .190 (4.83)
30	- .166 (4.22)	- .047 (1.19)	80	+ .249 (6.32)	+ .095 (2.41)
31	- .166 (4.22)	- .142 (3.61)	81	+ .249 (6.32)	+ .000 (0.00)
32	- .166 (4.22)	- .237 (6.02)	82	+ .249 (6.32)	- .095 (2.41)
33	- .166 (4.22)	- .332 (8.43)	83	+ .249 (6.32)	- .190 (4.83)
34	- .166 (4.22)	- .427 (10.85)	84	+ .249 (6.32)	- .285 (7.24)
35	- .083 (2.11)	+ .475 (12.07)	85	+ .249 (6.32)	- .380 (9.65)
36	- .083 (2.11)	+ .380 (9.65)	86	+ .332 (8.43)	+ .333 (8.46)
37	- .083 (2.11)	+ .285 (7.24)	87	+ .332 (8.43)	+ .238 (6.05)
38	- .083 (2.11)	+ .190 (4.83)	88	+ .332 (8.43)	+ .143 (3.63)
39	- .083 (2.11)	+ .095 (2.41)	89	+ .332 (8.43)	+ .048 (1.22)
40	- .083 (2.11)	+ .000 (0.00)	90	+ .332 (8.43)	- .047 (1.19)
41	- .083 (2.11)	- .095 (2.41)	91	+ .332 (8.43)	- .142 (3.61)
42	- .083 (2.11)	- .190 (4.83)	92	+ .332 (8.43)	- .237 (6.02)
43	- .083 (2.11)	- .285 (7.24)	93	+ .332 (8.43)	- .332 (8.43)
44	- .083 (2.11)	- .380 (9.65)	94	+ .428 (10.87)	+ .241 (6.12)
45	- .083 (2.11)	- .475 (12.07)	95	+ .467 (11.86)	+ .154 (3.91)
46	+ .000 (0.00)	+ .428 (10.87)	96	+ .488 (12.40)	+ .061 (1.55)

Contacts (Insert arrangement 23-35)

Contact position ID	Location X-axis (mm)	Location Y-axis (mm)	Contact position ID	Location X-axis (mm)	Location Y-axis (mm)
47	+ .000 (0.00)	+ .333 (8.46)	97	+ .415 (10.54)	+ .000 (0.00)
48	+ .000 (0.00)	+ .238 (6.05)	98	+ .488 (12.40)	- .061 (1.55)
49	+ .000 (0.00)	+ .143 (3.63)	99	+ .428 (10.87)	- .142 (3.61)
50	+ .000 (0.00)	+ .048 (1.22)	100	+ .428 (10.87)	- .237 (6.02)

(Applicable to MIL-DTL-38999 only)

Shell size	Arrangement no.	Number of contacts	Size contacts	Service rating	Contact location	Supersedes
23	-35	100	22D	M	All	MS27532-35

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(professional recommendation, technical notice.)

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FR	Not Listed

PN: 8D523M35HN

ISS	DATE	Latest modification - by	MOD N°
A	07-10-2016	First Release	

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	8D523M35HN-C	2/2