



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

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

**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
- Mass : 63.6 g ± 10%

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: 8D523M53BA**

A	07-10-2016	First Release	
ISS	DATE	Latest modification - by	MOD N°
Designed By:		Date:	<b>CUSTOMER DRAWING</b>
<b>TITLE</b>		Composite Plug 8D series	
SCALE	NA	General linear Tolerances: ±--	NPRDS / PROJECT <b>859</b>
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FORMAT	<b>SOURIAU DRG N° 8D523M53BA-C</b>		SHEET 1/2

BASIC SERIES:	8D	5	-	23	M	53	B	A
SHELL TYPE	: Plug with RFI Shielding							
CONTACT TYPE	: Standard Crimp Contact							
SHELL SIZE	: 23							
PLATING	: M = Nickel							
							ORIENTATION	: A
							CONTACT TYPE	: SOCKET(500 Matings)
							CONTACT LAYOUT	: 23-53

Contact Layout



Contacts (Insert arrangement 23-53)					
Contact position ID	Location		Contact position ID	Location	
	X-axis (mm)	Y-axis (mm)		X-axis (mm)	Y-axis (mm)
A	+112 (2.84)	+455 (11.56)	e	-225 (5.72)	-260 (6.60)
B	+225 (5.72)	+390 (9.91)	f	-336 (8.53)	-195 (4.95)
C	+336 (8.53)	+325 (8.26)	g	-336 (8.53)	-065 (1.65)
D	+450 (11.43)	+130 (3.30)	h	-336 (8.53)	+065 (1.65)
E	+450 (11.43)	+000 (0.00)	k	-336 (8.53)	+195 (4.95)
F	+450 (11.43)	-130 (3.30)	m	-225 (5.72)	+260 (6.60)
G	+336 (8.53)	-325 (8.26)	n	-112 (2.84)	+325 (8.26)
H	+225 (5.72)	-410 (10.41)	p	+000 (0.00)	+260 (6.60)
J	-225 (5.72)	-410 (10.41)	q	+112 (2.84)	+195 (4.95)
K	-336 (8.53)	-325 (8.26)	r	+225 (5.72)	+130 (3.30)
L	-450 (11.43)	-130 (3.30)	s	+225 (5.72)	+000 (0.00)
M	-450 (11.43)	+000 (0.00)	t	+225 (5.72)	-130 (3.30)
N	-450 (11.43)	+130 (3.30)	u	+112 (2.84)	-195 (4.95)
P	-336 (8.53)	+325 (8.26)	v	+000 (0.00)	-260 (6.60)
R	-225 (5.72)	+390 (9.91)	w	-112 (2.84)	-195 (4.95)
S	-112 (2.84)	+455 (11.56)	x	-225 (5.72)	-130 (3.30)
T	+000 (0.00)	+390 (9.91)	y	-225 (5.72)	+000 (0.00)
U	+112 (2.84)	+325 (8.26)	z	-225 (5.72)	+130 (3.30)
V	+225 (5.72)	+260 (6.60)	AA	-112 (2.84)	+195 (4.95)

Contacts (Insert arrangement 23-53)					
Contact position ID	Location		Contact position ID	Location	
	X-axis (mm)	Y-axis (mm)		X-axis (mm)	Y-axis (mm)
W	+336 (8.53)	+195 (4.95)	BB	+000 (0.00)	+130 (3.30)
X	+336 (8.53)	+065 (1.65)	CC	+112 (2.84)	+065 (1.65)
Y	+336 (8.53)	-065 (1.65)	DD	+112 (2.84)	-065 (1.65)
Z	+336 (8.53)	-195 (4.95)	EE	+000 (0.00)	-130 (3.30)
a	+225 (5.72)	-260 (6.60)	FF	-112 (2.84)	-065 (1.65)
μ	+112 (2.84)	-325 (8.26)	GG	-112 (2.84)	+065 (1.65)
ε	+000 (0.00)	-390 (9.91)	HH	+000 (0.00)	+000 (0.00)
d	-112 (2.84)	-325 (8.26)	---	---	---

Shell size	Arrangement no.	Number of contacts	Size contacts	Service rating	Contact location	Supersedes
23	-53	53	20	I	All	MS20056-53

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Designed By: \_\_\_\_\_ Date: \_\_\_\_\_ **CUSTOMER DRAWING**

**TITLE** Composite Plug 8D series

SCALE NA		General linear Tolerances: ±--	NPRDS / PROJECT <b>859</b>
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FORMAT <b>A3</b>	<b>SOURIAU DRG N° 8D523M53BA-C</b>	SHEET 2/2
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