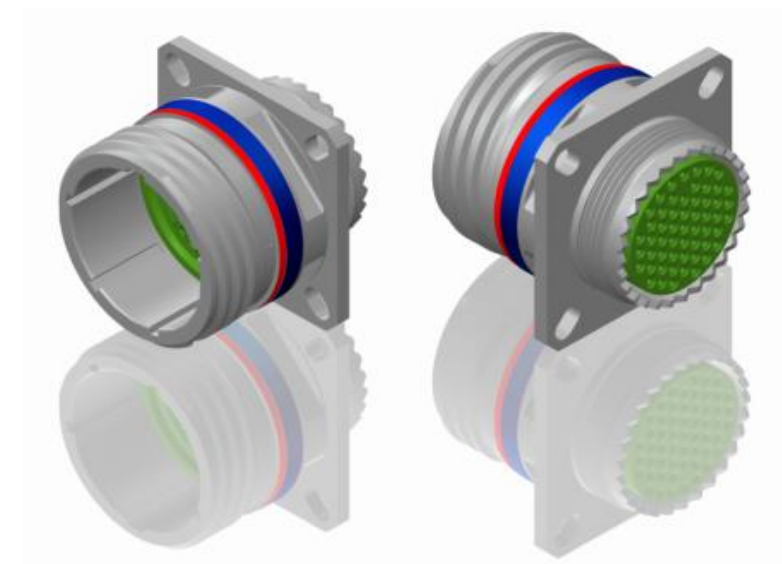
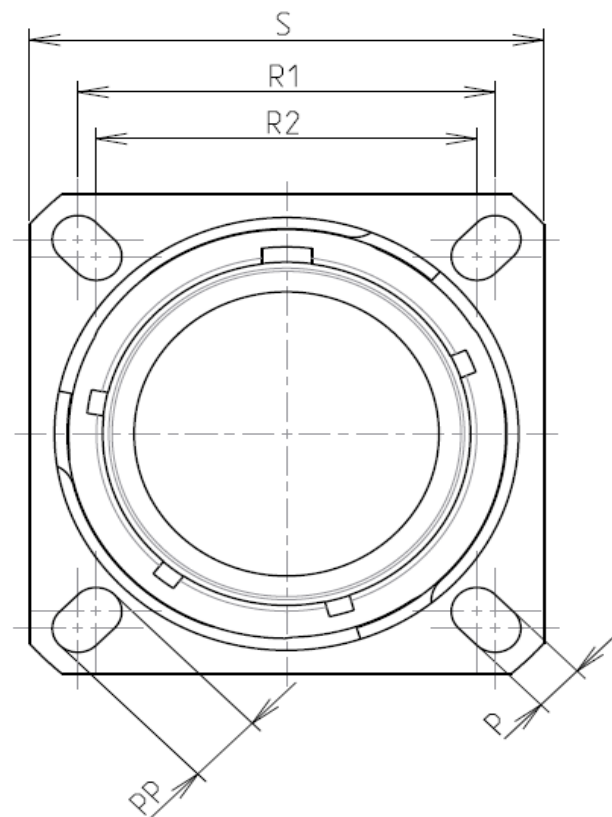
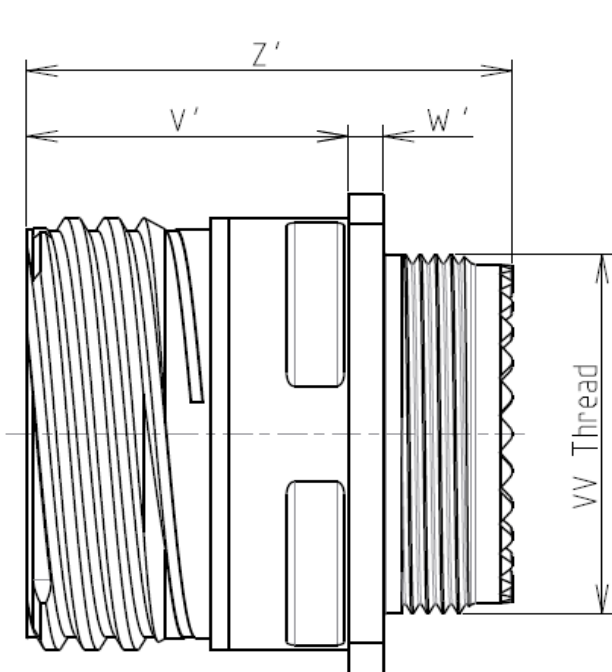




LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

CHARACTERISTICS

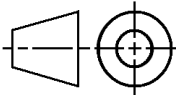
- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Composite
- Shell Plating : Nickel
- Insulator : Thermoplastic
- Contacts : Copper Alloy
- Seals & Grommet : Silicon Elastomer
- Contact Plating : Gold over copper Alloy 0.8µm minimum
- Durability : 500 Mating cycles
- Delivered with Souriau contacts and Accessories
- Temperature Range : -65°C to +200°C
- Salt Spray : 2000 hours
- Mass : 36.4 g ± 10%

Connector dimension	
Dim	Nominal
P	3.91±0.2
PP	6.15±0.2
R1	34.93
R2	31.75
S	42.9±0.3
V'	18.7+1.4/-0
W'	2.1/4.35
Z'	32 Max
VV THREAD	M34x1-6g

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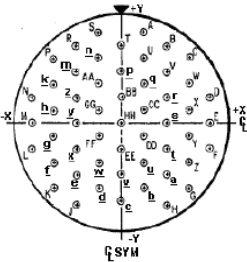
Country	Jurisdiction & Control List
FR	Not Listed

PN: 8D023M53AB

A	23-09-2016	First Release		
ISS	DATE	Latest modification - by		MOD N°
Designed By:		Date:	CUSTOMER DRAWING	
TITLE		Composite Receptacle 8D series		
SCALE		General linear Tolerances:	NPRDS / PROJECT	
NA		±--	859	
SOURIAU		WWW.SOURIAU.COM		This document is the property of SOURIAU it must not be reproduced or communicated without permission
FORMAT	SOURIAU DRG N° 8D023M53AB-C			SHEET 1/2

BASIC SERIES:	8D	0	-	23	M	53	A	B
SHELL TYPE	Square Flange Receptacle							
CONTACT TYPE	Standard Crimp Contact							
SHELL SIZE	23							
PLATING	M = Nickel							
				ORIENTATION : B				
				CONTACT TYPE : PIN(500 Matings)				
				CONTACT LAYOUT : 23-53				

Contact Layout

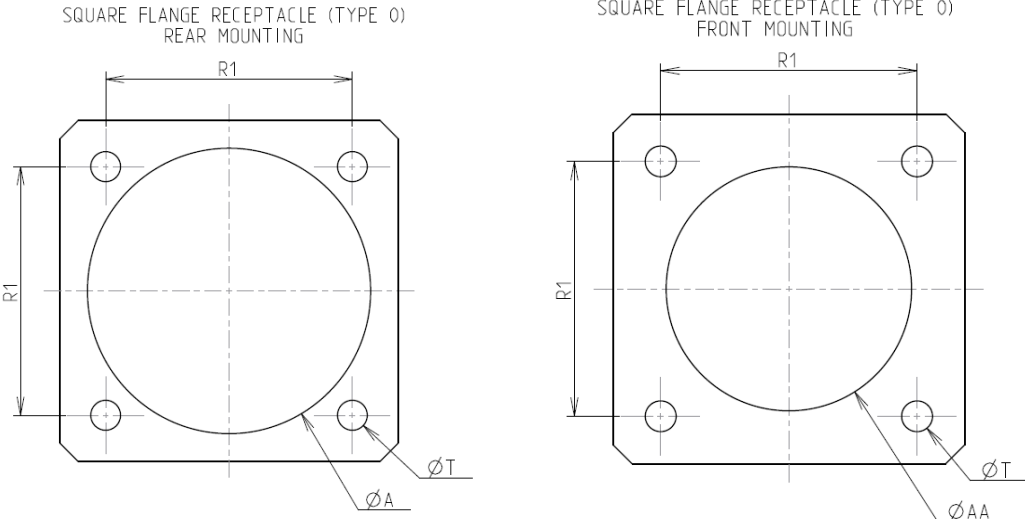


Contacts (Insert arrangement 23-53)					
Contact position ID	Location		Contact position ID	Location	
	X-axis (mm)	Y-axis (mm)		X-axis (mm)	Y-axis (mm)
A	+ 112 (2.84)	+ 455 (11.56)	a	- 225 (5.72)	- 260 (6.60)
B	+ 225 (5.72)	+ 390 (9.91)	f	- 336 (8.53)	- 195 (4.95)
C	+ 336 (8.53)	+ 325 (8.26)	q	- 336 (8.53)	- 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)
b	+ 112 (2.84)	- 325 (8.26)	GG	- 112 (2.84)	+ 065 (1.65)
c	+ 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

Panel Cutout



Dim	Nominal
ØA	39.29 min
ØAA	34.93 min
R1	34.93
ØT	3.91 ±0.13

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Country	Jurisdiction & Control List
FR	Not Listed

PN: 8D023M53AB

A	23-09-2016	First Release		
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FORMAT	SOURIAU DRG N° 8D023M53AB-C			SHEET 2/2