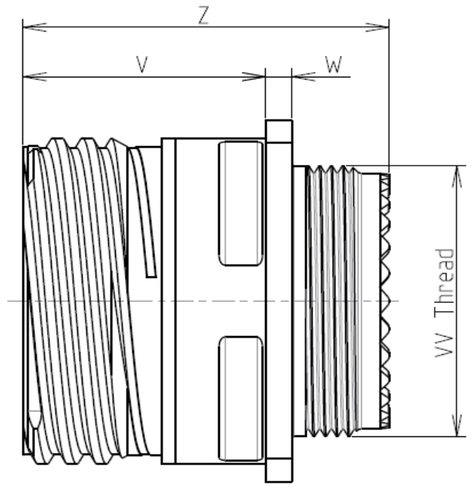
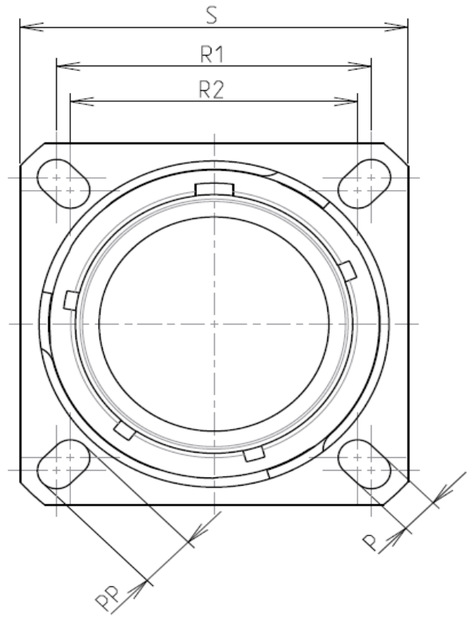
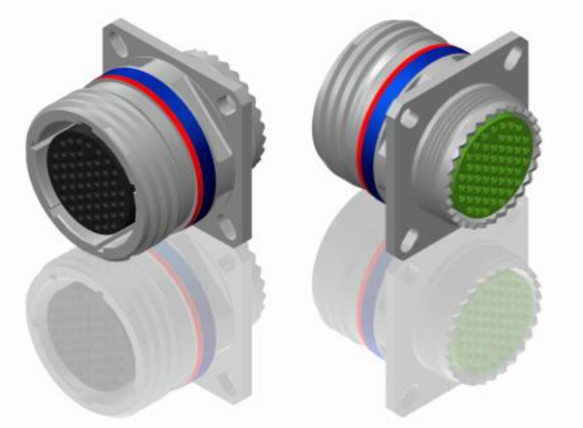




Keying Shown as example



LAYOUT SHOWN AS EXAMPLE

CHARACTERISTICS

-Standard : Based on MIL-DTL-38999 Series III
-Shell Material : Aluminium
-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 : 48 hours
-Mass : 64.8 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	20.07+0/-1.25
W	2.1/3.2
Z	31.5 Max
VV THREAD	M34x1-6g

BASIC SERIES:	8D	0	-	23	F	53	S	A

SHELL TYPE : Square Flange Receptacle
CONTACT TYPE : Standard Crimp Contact
SHELL SIZE : 23
PLATING : F = Nickel
ORIENTATION : A
CONTACT TYPE : SOCKET(500 Matings)
CONTACT LAYOUT : 23-53

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: 8D023F53SA

ISS	DATE	Latest modification - by	MOD N°
A	22-09-2016	First Release	

Designed By: Date: **CUSTOMER DRAWING**

TITLE Aluminium Receptacle 8D series

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

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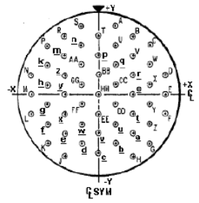
Contact Layout

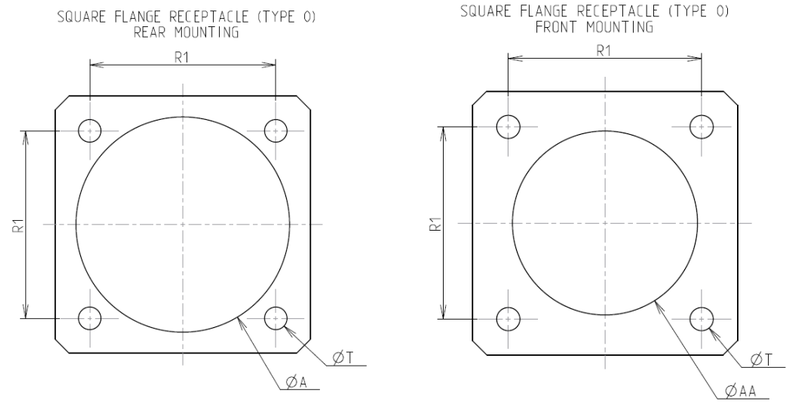


Contacts (Insert arrangement 23-53)					
Contact position ID	Location		Contact position ID	Location	
	X-axis (mm)	Y-axis (mm)		X-axis (mm)	Y-axis (mm)
A	+.112 (2.84)	+.455 (11.56)	e	-.225 (5.72)	-.260 (6.60)
B	+.225 (5.72)	+.390 (9.91)	f	-.336 (8.53)	-.195 (4.95)
C	+.336 (8.53)	+.325 (8.26)	g	-.336 (8.53)	-.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)
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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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.)

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FR	Not Listed

PN: 8D023F53SA

ISS	DATE	Latest modification - by	MOD N°
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