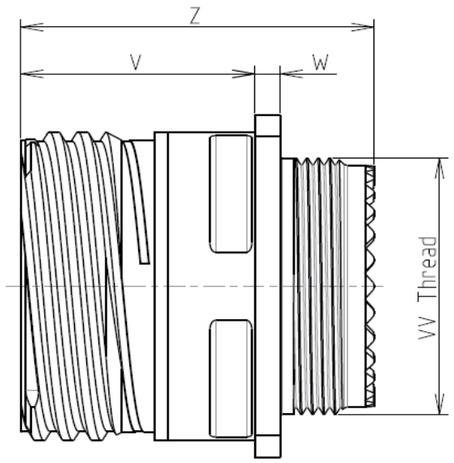
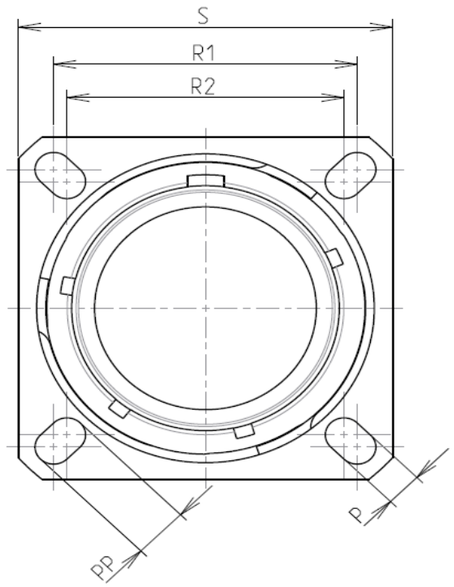
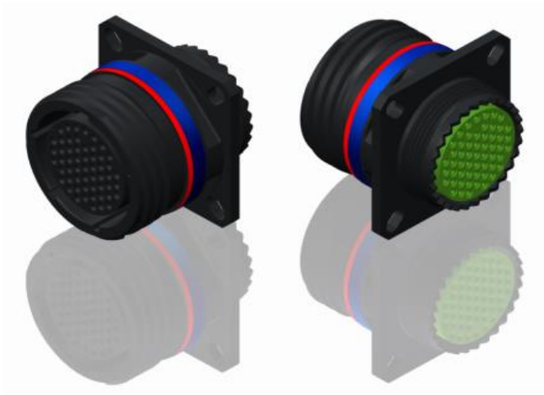




Keying Shown as example



LAYOUT SHOWN AS EXAMPLE

CHARACTERISTICS

-Standard : Based on MIL-DTL-38999 Series III
-Shell Material : Aluminium
-Shell Plating : Black Zinc 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 +175°C
-Salt Spray : 500 hours
-Mass : 85.1 g ± 10%

Connector dimension	
Dim	**Nominal**
P	3.91±0.2
PP	6.15±0.2
R1	38.1
R2	34.93
S	46±0.3
V	20.07+0/-1.25
W	2.1/3.2
Z	31.5 Max
VV THREAD	M37x1-6g

BASIC SERIES:	8D	0	-	25	Z	07	S	A
SHELL TYPE : Square Flange Receptacle								
CONTACT TYPE : Standard Crimp Contact								
SHELL SIZE : 25								
PLATING : Z = Black Zinc Nickel								
CONTACT LAYOUT : 25-07								
CONTACT TYPE : SOCKET(500 Matings)								
ORIENTATION : A								

Country	Jurisdiction & Control List
FR	Not Listed

PN: 8D025Z07SA

ISS	DATE	Latest modification - by	MOD N°
A	09-10-2016	First Release	

Designed By: Date: **CUSTOMER DRAWING**

TITLE Aluminium Receptacle 8D series

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

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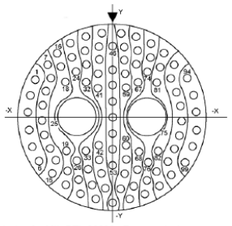
FORMAT A3 | SOURIAU DRG N° 8D025Z07SA-C | SHEET 1/2

Contact Layout



(Inactive for new design for MIL-DTL-38999. For new design, use arrangement no. 25-9.)

Contacts (Insert arrangement 25-7)					
Contact position ID	Location X-axis (mm)	Location Y-axis (mm)	Contact position ID	Location X-axis (mm)	Location Y-axis (mm)
1	-.494 (12.55)	+.242 (6.15)	51	+.000 (0.00)	-.106 (2.69)
2	-.533 (13.54)	+.138 (3.51)	52	+.000 (0.00)	-.212 (5.38)
3	-.550 (13.97)	+.028 (0.71)	53	+.000 (0.00)	-.310 (7.87)
4	-.544 (13.82)	-.083 (2.11)	54	+.000 (0.00)	-.551 (14.00)
5	-.516 (13.11)	-.191 (4.85)	55	+.056 (1.42)	+.548 (13.92)
6	-.467 (11.86)	-.292 (7.42)	56	+.095 (2.41)	+.461 (11.71)
7	-.435 (11.05)	+.337 (8.56)	57	+.068 (1.73)	+.370 (9.40)
8	-.399 (10.13)	+.249 (6.32)	58	+.092 (2.34)	+.278 (7.06)
9	-.441 (11.20)	+.163 (4.14)	59	+.095 (2.41)	+.183 (4.65)
10	-.465 (11.81)	+.071 (1.80)	60	+.089 (2.26)	-.178 (4.52)
11	-.470 (11.94)	-.024 (0.61)	61	+.094 (2.39)	-.277 (7.04)
12	-.456 (11.58)	-.118 (3.00)	62	+.069 (1.75)	-.376 (9.55)
13	-.423 (10.74)	-.207 (5.26)	63	+.048 (1.22)	-.468 (11.89)
14	-.372 (9.45)	-.288 (7.32)	64	+.165 (4.19)	+.525 (13.34)

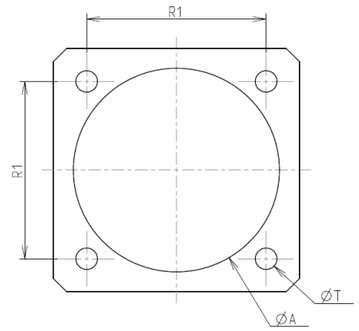
Contacts (Insert arrangement 25-7)					
Contact position ID	Location X-axis (mm)	Location Y-axis (mm)	Contact position ID	Location X-axis (mm)	Location Y-axis (mm)
15	-.399 (10.13)	-.379 (9.63)	65	+.186 (4.72)	+.433 (11.00)
16	-.359 (9.12)	+.418 (10.62)	66	+.164 (4.17)	+.340 (8.64)
17	-.341 (8.66)	+.324 (8.23)	67	+.181 (4.60)	+.225 (5.72)
18	-.308 (7.82)	+.222 (5.64)	68	+.172 (4.37)	-.223 (5.66)
19	-.303 (7.70)	-.223 (5.66)	69	+.159 (4.04)	-.347 (8.81)
20	-.307 (7.80)	-.357 (9.07)	70	+.141 (3.58)	-.449 (11.40)
21	-.314 (7.98)	-.452 (11.48)	71	+.111 (2.82)	-.539 (13.69)
22	-.267 (6.78)	+.481 (12.22)	72	+.267 (6.78)	+.481 (12.22)
23	-.269 (6.83)	+.386 (9.80)	73	+.269 (6.83)	+.386 (9.80)
24	-.247 (6.27)	+.294 (7.47)	74	+.247 (6.27)	+.294 (7.47)
25	-.238 (6.05)	+.000 (0.00)	75	+.238 (6.05)	+.000 (0.00)
26	-.237 (6.02)	-.292 (7.42)	76	+.237 (6.02)	-.292 (7.42)
27	-.228 (5.79)	-.412 (10.46)	77	+.228 (5.79)	-.412 (10.46)
28	-.217 (5.51)	-.506 (12.85)	78	+.217 (5.51)	-.506 (12.85)
29	-.165 (4.19)	+.525 (13.34)	79	+.359 (9.12)	+.418 (10.62)
30	-.186 (4.72)	+.433 (11.00)	80	+.341 (8.66)	+.324 (8.23)
31	-.164 (4.17)	+.340 (8.64)	81	+.308 (7.82)	+.222 (5.64)
32	-.181 (4.60)	+.225 (5.72)	82	+.303 (7.70)	-.223 (5.66)
33	-.172 (4.37)	-.223 (5.66)	83	+.307 (7.80)	-.357 (9.07)
34	-.159 (4.04)	-.347 (8.81)	84	+.314 (7.98)	-.452 (11.48)
35	-.141 (3.58)	-.449 (11.40)	85	+.435 (11.05)	+.337 (8.56)
36	-.111 (2.82)	-.539 (13.69)	86	+.399 (10.13)	+.249 (6.32)
37	-.056 (1.42)	+.548 (13.92)	87	+.441 (11.20)	+.163 (4.14)
38	-.095 (2.41)	+.461 (11.71)	88	+.465 (11.81)	+.071 (1.80)
39	-.068 (1.73)	+.370 (9.40)	89	+.470 (11.94)	-.024 (.61)
40	-.092 (2.34)	+.278 (7.06)	90	+.456 (11.58)	-.118 (3.00)
41	-.095 (2.41)	+.183 (4.65)	91	+.423 (10.74)	-.207 (5.26)
42	-.089 (2.26)	-.178 (4.52)	92	+.372 (9.45)	-.288 (7.32)

Contacts (Insert arrangement 25-7)					
Contact position ID	Location X-axis (mm)	Location Y-axis (mm)	Contact position ID	Location X-axis (mm)	Location Y-axis (mm)
43	-.094 (2.39)	-.277 (7.04)	93	+.399 (10.13)	-.379 (9.63)
44	-.069 (1.75)	-.376 (9.55)	94	+.494 (12.55)	+.242 (6.15)
45	-.048 (1.22)	-.468 (11.89)	95	+.533 (13.54)	+.138 (3.51)
46	+.000 (0.00)	+.471 (11.96)	96	+.550 (13.97)	+.028 (0.71)
47	+.000 (0.00)	+.303 (7.70)	97	+.544 (13.82)	-.083 (2.11)
48	+.000 (0.00)	+.208 (5.28)	98	+.516 (13.11)	-.191 (4.85)
49	+.000 (0.00)	+.104 (2.64)	99	+.467 (11.86)	-.292 (7.42)
50	+.000 (0.00)	+.000 (0.00)	---	---	---

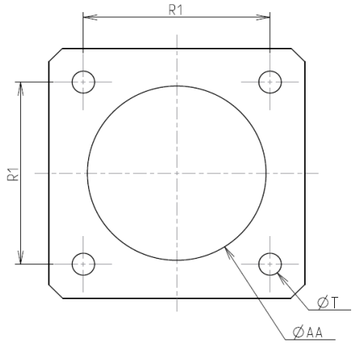
Shell size	Arrange-ment no.	Number of contacts	Size contacts	Service rating	Contact location	Standard contact Pin	Standard contact Socket
25	-7	2	8 (See note)	Twinax	25, 75	M39029/90-529	M39029/91-530
		97	22D	M	All others	M39029/58-360	M39029/56-348

Panel Cutout

SQUARE FLANGE RECEPTACLE (TYPE 0)
REAR MOUNTING



SQUARE FLANGE RECEPTACLE (TYPE 0)
FRONT MOUNTING



Dim	Nominal
ØA	42.47 min
ØAA	37.69 min
R1	38.1
ØT	3.81 ±0.13

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: 8D025Z07SA

ISS	DATE	Latest modification - by	MOD N°
A	09-10-2016	First Release	

Designed By: Date: **CUSTOMER DRAWING**

TITLE Aluminium Receptacle 8D series

SCALE NA

General linear Tolerances: ±--

NPRDS / PROJECT **859**

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FORMAT A3

SOURIAU DRG N° 8D025Z07SA-C

SHEET 2/2