22.6 Max

R

W

B On flat

VV Thread

S

Ø A

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 without Souriau contacts

-Temperature Range : -65°C to +175°C

-Salt Spray : 500 hours

-Mass : 65.46 g ± 10%

Connector dimension	
Dim	**Nominal**
A	58.7±0.3
B	42.85+0.1/-0.15
R	32.5Max
S	55.6±0.4
W	3+0.9/-0.1
VV THREAD	M37x1-6g

Country	Jurisdiction & Control List
FR	Not Listed

PN: 8D725Z07SCL

A	05-10-2016	First Release	
ISS	DATE	Latest modification - by	MOD N°

Designed By: Date: **CUSTOMER DRAWING**

TITLE   Aluminium Receptacle 8D series

BASIC SERIES:	8D	7	-	25	Z	07	S	C	L

SHELL TYPE : Jam nut Receptacle

CONTACT TYPE : Standard Crimp Contact

SHELL SIZE : 25

PLATING : Z = Black Zinc Nickel

Delivered W/O Contacts

ORIENTATION : C

CONTACT TYPE : SOCKET(500 Matings)

CONTACT LAYOUT : 25-07

SCALE: NA

General linear Tolerances: ±--

NPRDS / PROJECT **859**

SOURIAU   WWW.SOURIAU.COM

FORMAT **A3**

SOURIAU DRG N° 8D725Z07SCL-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)	+ .130 (3.51)	52	+ .000 (0.00)	- .212 (5.36)
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	Arrangement 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

JAM NUT RECEPTACLE (TYPE 7)

Dim	Nominal
B	43.43+0/-0.25
ØC	44.7+0.25/-0

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: 8D725Z07SCL

A	05-10-2016	First Release
ISS	DATE	Latest modification - by

MOD N°

Designed By: Date: **CUSTOMER DRAWING**

TITLE — Aluminium Receptacle 8D series

SCALE: NA

General linear Tolerances: ±--

NPRDS / PROJECT **859**

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FORMAT	SOURIAU DRG N°	SHEET
A3	8D725Z07SCL-C	2/2