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 : 44.14 g ± 10%

Connector dimension	
Dim	**Nominal**
A	49.2±0.3
B	33.32+0.1/-0.15
R	32.5Max
S	46±0.4
W	3+0.9/-0.1
VV THREAD	M28x1-6g

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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.)

Country	Jurisdiction & Control List
FR	Not Listed

PN: 8D719Z35AE

ISS	DATE	Latest modification - by		MOD N°
A	30-09-2016	First Release		

Designed By: | Date: | **CUSTOMER DRAWING**

TITLE — Aluminium Receptacle 8D series

BASIC SERIES:	8D	7	-	19	Z	35	A	E	

SHELL TYPE : Jam nut Receptacle

CONTACT TYPE : Standard Crimp Contact

SHELL SIZE : 19

PLATING : Z = Black Zinc Nickel

ORIENTATION : E

CONTACT TYPE : PIN(500 Matings)

CONTACT LAYOUT : 19-35

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

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FORMAT	SOURIAU DRG N°	SHEET
A3	8D719Z35AE-C	1/2

Contact Layout

Panel cutout

JAM NUT RECEPTACLE (TYPE 7)

Dim	Nominal
B	33.91+0/-0.25
ØC	35.18+0.25/-0

Contacts (Insert arrangement 19-35)

Contact position ID	Location X-axis (mm)	Location Y-axis (mm)	Contact position ID	Location X-axis (mm)	Location Y-axis (mm)
1	- .357 (9.07)	+ .090 (2.29)	34	+ .045 (1.14)	+ .360 (9.14)
2	- .357 (9.07)	+ .000 (0.00)	35	+ .045 (1.14)	+ .270 (6.86)
3	- .357 (9.07)	- .090 (2.29)	36	+ .045 (1.14)	+ .180 (4.57)
4	- .279 (7.09)	+ .225 (5.72)	37	+ .045 (1.14)	+ .090 (2.29)
5	- .279 (7.09)	+ .135 (3.43)	38	+ .045 (1.14)	+ .000 (0.00)
6	- .279 (7.09)	+ .045 (1.14)	39	+ .045 (1.14)	- .090 (2.29)
7	- .279 (7.09)	- .045 (1.14)	40	+ .045 (1.14)	- .180 (4.57)
8	- .279 (7.09)	- .135 (3.43)	41	+ .045 (1.14)	- .270 (6.86)
9	- .279 (7.09)	- .225 (5.72)	42	+ .045 (1.14)	- .360 (9.14)
10	- .201 (5.11)	+ .270 (6.86)	43	+ .123 (3.12)	+ .315 (8.00)
11	- .201 (5.11)	+ .180 (4.57)	44	+ .123 (3.12)	+ .225 (5.72)
12	- .201 (5.11)	+ .090 (2.29)	45	+ .123 (3.12)	+ .135 (3.43)
13	- .201 (5.11)	+ .000 (0.00)	46	+ .123 (3.12)	+ .045 (1.14)
14	- .201 (5.11)	- .090 (2.29)	47	+ .123 (3.12)	- .045 (1.14)
15	- .201 (5.11)	- .180 (4.57)	48	+ .123 (3.12)	- .135 (3.43)
16	- .201 (5.11)	- .270 (6.86)	49	+ .123 (3.12)	- .225 (5.72)
17	- .123 (3.12)	+ .315 (8.00)	50	+ .123 (3.12)	- .315 (8.00)

Contacts (Insert arrangement 19-35)

Contact position ID	Location X-axis (mm)	Location Y-axis (mm)	Contact position ID	Location X-axis (mm)	Location Y-axis (mm)
18	- .123 (3.12)	+ .225 (5.72)	51	+ .201 (5.11)	+ .270 (6.86)
19	- .123 (3.12)	+ .135 (3.43)	52	+ .201 (5.11)	+ .180 (4.57)
20	- .123 (3.12)	+ .045 (1.14)	53	+ .201 (5.11)	+ .090 (2.29)
21	- .123 (3.12)	- .045 (1.14)	54	+ .201 (5.11)	+ .000 (0.00)
22	- .123 (3.12)	- .135 (3.43)	55	+ .201 (5.11)	- .090 (2.29)
23	- .123 (3.12)	- .225 (5.72)	56	+ .201 (5.11)	- .180 (4.57)
24	- .123 (3.12)	- .315 (8.00)	57	+ .201 (5.11)	- .270 (6.86)
25	- .045 (1.14)	+ .360 (9.14)	58	+ .279 (7.09)	+ .225 (5.72)
26	- .045 (1.14)	+ .270 (6.86)	59	+ .279 (7.09)	+ .135 (3.43)
27	- .045 (1.14)	+ .180 (4.57)	60	+ .279 (7.09)	+ .045 (1.14)
28	- .045 (1.14)	+ .090 (2.29)	61	+ .279 (7.09)	- .045 (1.14)
29	- .045 (1.14)	+ .000 (0.00)	62	+ .279 (7.09)	- .135 (3.43)
30	- .045 (1.14)	- .090 (2.29)	63	+ .279 (7.09)	- .225 (5.72)
31	- .045 (1.14)	- .180 (4.57)	64	+ .357 (9.07)	+ .090 (2.29)
32	- .045 (1.14)	- .270 (6.86)	65	+ .357 (9.07)	+ .000 (0.00)
33	- .045 (1.14)	- .360 (9.14)	66	+ .357 (9.07)	- .090 (2.29)

(Applicable to MIL-DTL-38999 only)

Shell size	Arrangement no.	Number of contacts	Size contacts	Service rating	Contact location	Supersedes
19	-35	66	22D	M	All	MS27530-35

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Country	Jurisdiction & Control List
FR	Not Listed

PN: 8D719Z35AE

A	30-09-2016	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: A3

SOURIAU DRG N° 8D719Z35AE-C

SHEET 2/2