Z
V
W

VV Thread

S
R1
R2
P
PP

Keying Shown as example

LAYOUT SHOWN AS EXAMPLE

CHARACTERISTICS

-Standard : Based on MIL-DTL-38999 Series III

-Shell Material   : Aluminium

-Shell Plating   : Olive drab Cadmium

-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
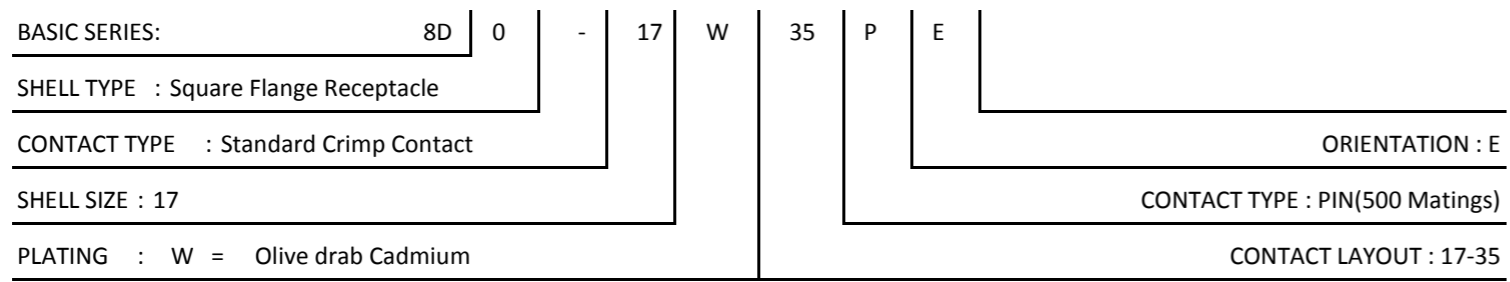
-Mass   : 28.02 g ± 10%

Connector dimension	
Dim	**Nominal**
P	3.25±0.2
PP	4.93±0.2
R1	26.97
R2	24.61
S	33.3±0.3
V	20.83+0/-1.25
W	2.1/2.5
Z	31.5 Max
VV THREAD	M25x1-6g

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: 8D017W35PE

B	17-04-17	Drawing Update	
ISS	DATE	Latest modification - by	MOD N°

Designed By: Date: **CUSTOMER DRAWING**

BASIC SERIES: 8D   0   -   17   W   35   P   E

SHELL TYPE : Square Flange Receptacle

CONTACT TYPE   : Standard Crimp Contact

SHELL SIZE : 17

PLATING   : W =   Olive drab Cadmium

ORIENTATION : E

CONTACT TYPE : PIN(500 Matings)

CONTACT LAYOUT : 17-35

TITLE   Aluminium Receptacle 8D series

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

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FORMAT	SOURIAU DRG N°	SHEET
A3	8D017W35PE-C	1/2

Contact Layout

+X

Panel Cutout

SQUARE FLANGE RECEPTACLE (TYPE 0)
REAR MOUNTING

SQUARE FLANGE RECEPTACLE (TYPE 0)
FRONT MOUNTING

Max. thickness panel for receptacle: Type 0: front mounting = 3.2 mm, rear mounting = 2.5 mm

Dim	Nominal
ØA	30.96 min
ØAA	25.81 min
R1	26.97
ØT	3.25 ±0.13

Contacts (Insert arrangement 17-35)

Contact position ID	Location X-axis (mm)	Location Y-axis (mm)	Contact position ID	Location X-axis (mm)	Location Y-axis (mm)
1	-.312 (7.92)	+.086 (2.18)	29	.000 (0.00)	-.094 (2.39)
2	-.312 (7.92)	-.004 (0.10)	30	.000 (0.00)	-.184 (4.67)
3	-.312 (7.92)	-.094 (2.39)	31	.000 (0.00)	-.274 (0.90)
4	-.242 (6.15)	+.221 (5.61)	32	+.089 (2.26)	+.316 (8.03)
5	-.234 (5.94)	+.131 (3.33)	33	+.078 (1.98)	+.221 (5.61)
6	-.234 (5.94)	+.041 (1.04)	34	+.078 (1.98)	+.131 (3.33)
7	-.234 (5.94)	-.049 (1.24)	35	+.078 (1.98)	+.041 (1.04)
8	-.234 (5.94)	-.139 (3.53)	36	+.078 (1.98)	-.049 (1.24)
9	-.234 (5.94)	-.229 (5.82)	37	+.078 (1.98)	-.139 (3.53)
10	-.172 (4.37)	+.279 (7.09)	38	+.078 (1.98)	-.229 (5.82)
11	-.156 (3.96)	+.176 (4.47)	39	+.078 (1.98)	-.319 (8.10)
12	-.156 (3.96)	+.086 (2.18)	40	+.172 (4.37)	+.279 (7.09)
13	-.156 (3.96)	-.004 (0.10)	41	+.156 (3.96)	+.176 (4.47)
14	-.156 (3.96)	-.094 (2.39)	42	+.156 (3.96)	+.086 (2.18)
15	-.156 (3.96)	-.184 (4.67)	43	+.156 (3.96)	-.004 (0.10)
16	-.156 (3.96)	-.274 (6.96)	44	+.156 (3.96)	-.094 (2.39)
17	-.089 (2.26)	+.316 (8.03)	45	+.156 (3.96)	-.184 (4.67)
18	-.078 (1.98)	+.221 (5.61)	46	+.156 (3.96)	-.274 (6.96)

Contacts (Insert arrangement 17-35)

Contact position ID	Location X-axis (mm)	Location Y-axis (mm)	Contact position ID	Location X-axis (mm)	Location Y-axis (mm)
19	-.078 (1.98)	+.131 (3.33)	47	+.242 (6.15)	+.221 (5.61)
20	-.078 (1.98)	+.041 (1.04)	48	+.234 (5.94)	+.131 (3.33)
21	-.078 (1.98)	-.049 (1.24)	49	+.234 (5.94)	+.041 (1.04)
22	-.078 (1.98)	-.139 (3.53)	50	+.234 (5.94)	-.049 (1.24)
23	-.078 (1.98)	-.229 (5.82)	51	+.234 (5.94)	-.139 (3.53)
24	-.078 (1.98)	-.319 (8.10)	52	+.234 (5.94)	-.229 (5.82)
25	.000 (0.00)	+.329 (8.36)	53	+.312 (7.92)	+.086 (2.18)
26	.000 (0.00)	+.176 (4.47)	54	+.312 (7.92)	-.004 (0.10)
27	.000 (0.00)	+.086 (2.18)	55	+.312 (7.92)	-.094 (2.39)
28	.000 (0.00)	-.004 (0.10)	---	---	---

Shell size	Arrangement no.	Number of contacts	Size contacts	Service rating	Contact location	Supersedes
17	-35	55	22D	M	All	MS27529-35

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Country	Jurisdiction & Control List
FR	Not Listed

PN: 8D017W35PE

B	17-04-17	Drawing Update	
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° 8D017W35PE-C	SHEET 2/2