R
22.6 Max   W
B On flat
VV Thread

S
∅ A

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 without Souriau contacts

-Temperature Range : -65°C to +175°C

-Salt Spray   : 500 hours

-Mass   : 42.49 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

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: 8D725W20PBL

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

Designed By: Date: **CUSTOMER DRAWING**

TITLE   Aluminium Receptacle 8D series

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

NA

BASIC SERIES: 8D 7 - 25 W 20 P B L

SHELL TYPE   : Jam nut Receptacle

CONTACT TYPE   : Standard Crimp Contact

SHELL SIZE : 25

PLATING   : W =   Olive drab Cadmium

Delivered W/O Contacts

ORIENTATION : B

CONTACT TYPE : PIN(500 Matings)

CONTACT LAYOUT : 25-20

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FORMAT
A3

SOURIAU DRG N°
8D725W20PBL-C

SHEET
1/2

Contact Layout

Panel cutout

JAM NUT RECEPTACLE (TYPE 7)

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

Contacts
(Insert arrangement 25-20)

Contact position ID	Location X-axis (mm)	Location Y-axis (mm)	Contact position ID	Location X-axis (mm)	Location Y-axis (mm)
A	+ .000 (0.00)	+ .407 (10.34)	S	- .234 (5.94)	+ .511 (12.98)
B	+ .234 (5.94)	+ .511 (12.98)	T	+ .243 (6.17)	+ .270 (6.86)
C	+ .352 (8.94)	+ .411 (10.44)	U	+ .357 (9.07)	+ .136 (3.45)
D	+ .466 (11.84)	+ .275 (6.99)	V	+ .450 (11.43)	- .183 (4.65)
E	+ .530 (13.46)	+ .111 (2.82)	w	+ .000 (0.00)	- .131 (3.33)
F	+ .537 (13.64)	- .060 (1.52)	X	- .450 (11.43)	- .183 (4.65)
G	+ .467 (11.86)	- .312 (7.92)	Y	- .357 (9.07)	+ .136 (3.45)
H	+ .208 (5.28)	- .353 (8.97)	Z	- .243 (6.17)	+ .270 (6.86)
J	+ .000 (0.00)	- .541 (13.74)	1	+ .195 (4.95)	+ .115 (2.92)
K	- .208 (5.28)	- .353 (8.97)	2	+ .317 (8.05)	- .061 (1.55)
L	- .467 (11.86)	- .312 (7.92)	3	- .317 (8.05)	- .061 (1.55)
M	- .537 (13.64)	- .060 (1.52)	4	- .195 (4.95)	+ .115 (2.92)

Contacts
(Insert arrangement 25-20)

Contact position ID	Location X-axis (mm)	Location Y-axis (mm)	Contact position ID	Location X-axis (mm)	Location Y-axis (mm)
N	- .530 (13.46)	+ .111 (2.82)	5	+ .000 (0.00)	+ .099 (2.51)
P	- .466 (11.84)	+ .275 (6.99)	6	+ .141 (3.58)	- .018 (0.46)
R	- .352 (8.94)	+ .411 (10.44)	7	- .141 (3.58)	- .018 (0.46)

Shell size	Arrangement no.	Number of contacts	Size contacts	Service rating	Contact location	Standard contact Pin	Standard contact Socket
25	-20	3	8	Twinax	A,H,K	M39029/90-529	M39029/91-530
		4	12	Coax	2,3	M39029/28-211	M39029/75-416
					W,5	M39029/102-558	M39029/103-559
		13	16	N	C,D,E,F,J,M,N,P,R,T,U,Y,Z	M39029/58-364	M39029/56-352
		10	20		B,G,L,S,V,X,1,4,6,7	M39029/58-363	M39029/56-351

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

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FORMAT	SOURIAU DRG N°	SHEET
A3	8D725W20PBL-C	2/2