



LAYOUT SHOWN AS EXAMPLE

Keying 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 : 55.43 g ± 10%

Connector dimension	
Dim	Nominal
A	52.4±0.3
B	36.5+0.1/-0.15
R	32.5Max
S	49.2±0.4
W	3+0.9/-0.1
VV THREAD	M31x1-6g

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Country	Jurisdiction & Control List
FR	Not Listed

PN: 8D721Z11SCL

A	08-11-2016	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° 8D721Z11SCL-C
			SHEET 1/2

BASIC SERIES: 8D 7 - 21 Z 11 S C L
 SHELL TYPE : Jam nut Receptacle
 CONTACT TYPE : Standard Crimp Contact
 SHELL SIZE : 21
 PLATING : Z = Black Zinc Nickel

Delivered W/O Contacts
 ORIENTATION : C
 CONTACT TYPE : SOCKET(500 Matings)
 CONTACT LAYOUT : 21-11

Contact Layout



Contacts (Insert arrangement 21-11)						
Contact position ID	Location		Contact position ID	Location		
	X-axis (mm)	Y-axis (mm)		X-axis (mm)	Y-axis (mm)	
A	+121 (3.07)	+332 (8.43)	G	-348 (8.84)	-061 (1.55)	
B	+306 (7.77)	+177 (4.50)	H	-306 (7.77)	+177 (4.50)	
C	+348 (8.84)	-061 (1.55)	J	-121 (3.07)	+332 (8.43)	
D	+227 (5.77)	-270 (6.86)	K	+000 (0.00)	+123 (3.12)	
E	+000 (0.00)	-353 (8.97)	L	+000 (0.00)	-115 (2.92)	
F	-227 (5.77)	-270 (6.86)	---	---	---	

Shell size	Arrangement no.	Number of contacts	Size contacts	Service rating	Contact location	Supersedes
21	-11	11	12	I	All	MS20055-11

Panel cutout

JAM NUT RECEPTACLE (TYPE 7)



Max. thickness panel for receptacle: Type 7: 3.2 mm

Dim	Nominal
B	37.08+0/-0.25
ØC	38.35+0.25/-0

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TITLE	Aluminium Receptacle 8D series		
SCALE		General linear Tolerances:	NPRDS / PROJECT
NA		±--	859
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FORMAT	SOURIAU DRG N° 8D721Z11SCL-C		SHEET 2/2