



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

**CHARACTERISTICS**

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Composite
- Shell Plating : 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 +200°C
- Salt Spray : 2000 hours
- Mass : 29.9 g ± 10%

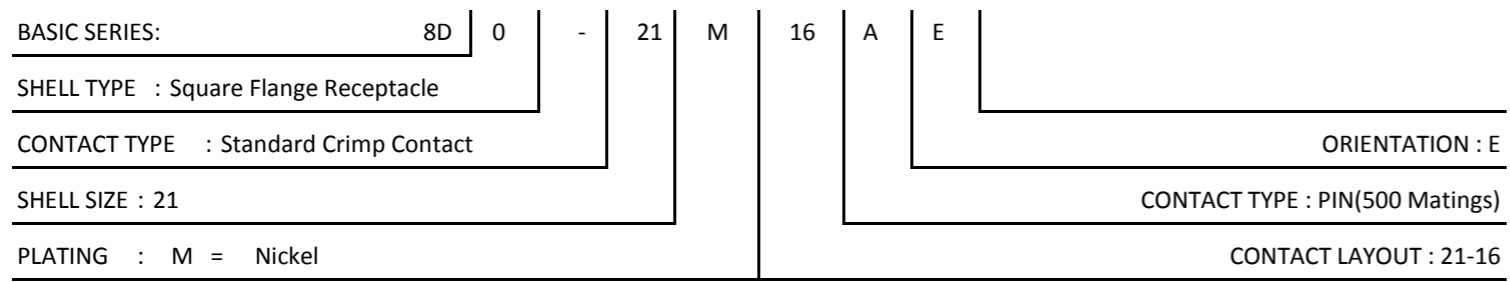
Connector dimension	
Dim	Nominal
P	3.25±0.2
PP	4.93±0.2
R1	31.75
R2	29.36
S	39.7±0.3
V'	18.7+1.4/-0
W'	2.1/4.35
Z'	32 Max
VV THREAD	M31x1-6g

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: 8D021M16AE**

A	02-11-2016	First Release	
ISS	DATE	Latest modification - by	MOD N°
Designed By:		Date:	<b>CUSTOMER DRAWING</b>
<b>TITLE</b>	<b>Composite Receptacle 8D series</b>		
SCALE	NA	General linear Tolerances: ±--	NPRDS / PROJECT <b>859</b>
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FORMAT	<b>A3</b>		<b>SOURIAU DRG N° 8D021M16AE-C</b>
			SHEET 1/2



BASIC SERIES: 8D 0 - 21 M 16 A E  
 SHELL TYPE : Square Flange Receptacle  
 CONTACT TYPE : Standard Crimp Contact  
 SHELL SIZE : 21  
 PLATING : M = Nickel

ORIENTATION : E  
 CONTACT TYPE : PIN(500 Matings)  
 CONTACT LAYOUT : 21-16

Contact Layout



Contacts (Insert arrangement 21-16)					
Contact position ID	Location		Contact position ID	Location	
	X-axis	Y-axis		X-axis	Y-axis
A	+118 (3.00)	+322 (8.18)	J	-341 (8.66)	+036 (0.91)
B	+271 (6.88)	+211 (5.36)	K	-271 (6.88)	+211 (5.36)
C	+341 (8.66)	+036 (0.91)	L	-118 (3.00)	+322 (8.18)
D	+308 (7.82)	-150 (3.81)	M	+000 (0.00)	+175 (4.45)
E	+182 (4.62)	-290 (7.37)	N	+154 (3.91)	+062 (1.57)
F	+000 (0.00)	-343 (8.71)	P	+094 (2.39)	-122 (3.10)
G	-182 (4.62)	-290 (7.37)	R	-094 (2.39)	-122 (3.10)
H	-308 (7.82)	-150 (3.81)	S	-154 (3.91)	+062 (1.57)

Shell size	Arrangement no.	Number of contacts	Size contacts	Service rating	Contact location	Supersedes
21	-16	16	16	II	All	MS20055-16

Panel Cutout



Dim	Nominal
ØA	36.12 min
ØAA	32.16 min
R1	31.75
ØT	3.25 ±0.13

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FORMAT	<b>SOURIAU DRG N° 8D021M16AE-C</b>		SHEET 2/2