

TEST/CHARACTERISTICS	STANDARD REFERENCE	VALUES/REMARKS
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ELECTRICAL CHARACTERISTICS

Impedance		75 Ω
Frequency range		DC-1 GHz
V.S.W.R. max <i>Straight models cable group :</i> 2.6/75, 5/75, 6/75, 8/75, 10 + 11/75 <i>Right angle models</i> 2.6/75, 6/75		1.30 1.35
Insertion loss <i>straight connector</i> <i>right-angle connector</i>		0.2 dB max at 1 GHz 0.3 dB max at 1 GHz
RF Leakage		- 55 dB min from 2 to 3 GHz
Insulation resistance		5000 MΩ min
Contact resistance <i>center contact</i> <i>outer contact</i>	MIL	1.5 mΩ 0.2 mΩ
Working voltage in VRMS <i>at sea level</i> <i>(at 21 000m)</i>		500 125
Dielectric withstanding voltage in VRMS <i>at sea level</i> <i>(at 21 000m)</i>		1500 375
RF testing voltage in VRMS <i>sea level (5 MHz)</i>		1000

MECHANICAL CHARACTERISTICS

Durability		500 matings
Force to engage and disengage <i>axial</i> <i>torque</i>		13.6 N max 28.6 Ncm
Coupling nut retention force	MIL	445 N
Cable retention force <i>cable 2.6/75, 5/75, 6/75, 8/75, 10 + 11/75</i>		340 N
Center contact retention force		

ENVIRONMENTAL CHARACTERISTICS

Temperature range <i>flexible cables</i>	MIL	- 65°C + 165°C
Thermo cycling test		MIL STD 202, method 107, condition B
Thermal shock		
Hight temperature endurance		MIL STD 202, method 108
Corrosion salt spray		MIL STD 202, method 101, condition B
Vibration		MIL STD 202, method 204, condition B
Shock		MIL STD 202, method 213, condition G
Moisture resistance		MIL STD 202, method 106
Hermetic test		MIL STD 202, method 112, condition C vacuum 10 ⁻⁶ Hgmm (Torr) leakage rate < 10 ⁻⁶ atm/cm ³ /s
Barometric pressure		Pressure test : 3.5 bars; duration : 2 mn; temperature : 15° C to 25 °C

MATERIALS

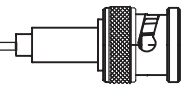
Bodies		Brass
Center contact <i>male</i> <i>female</i>		Brass Bronze or heat treated beryllium following QQ-C-530
Nut		Brass
Insulator		PTFE
Gasket		Silicon rubber

PLATINGS

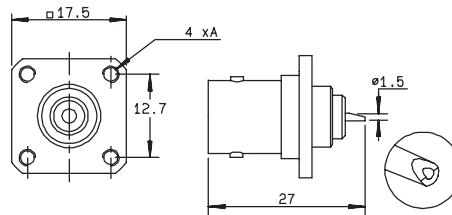
Bodies		Nickel
Center contacts		Gold

Standard packaging : unit

All dimensions are given in mm.



STRAIGHT SQUARE FLANGE RECEPTACLES WITH SOLDER POT



part number	captive center contact	cut out	flange holes A
R142 407 000	yes	P11	4 x 2,6
R142 412 000	yes	P11	4 x M2.5

STRAIGHT BULKHEAD RECEPTACLES WITH SOLDER POT

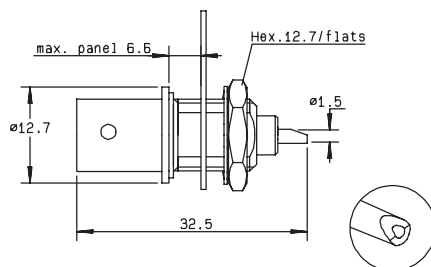


Fig. 1

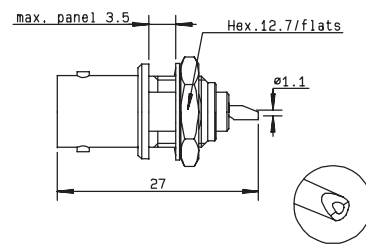
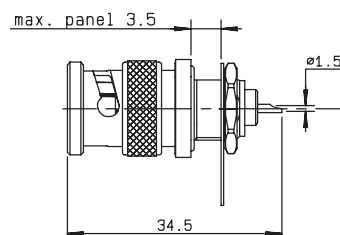


Fig. 2

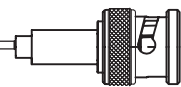
part number	fig.	captive center contact	cut out	note
R142 562 000	1	yes	P07	
R142 562 290●	2	yes	P07	with 2 insulated washers + solder tag

BULKHEAD MALE RECEPTACLE WITH SOLDER POT

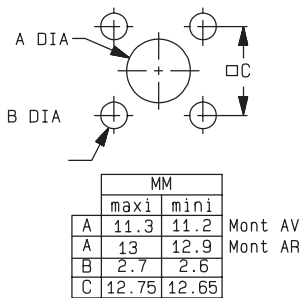


part number	captive center contact	cut out	note
R142 580 000	yes	P07	panel sealed + solder tag

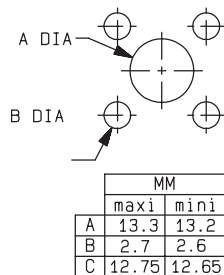
- Upon request



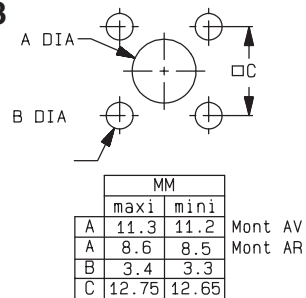
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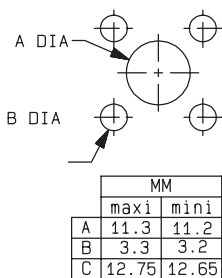
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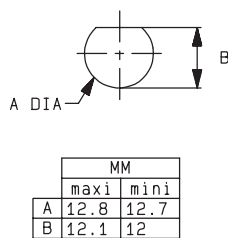
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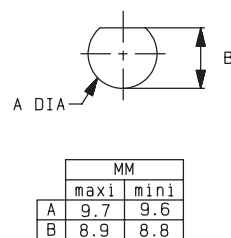
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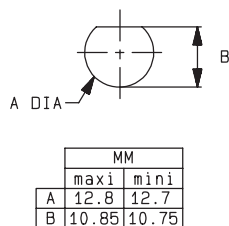
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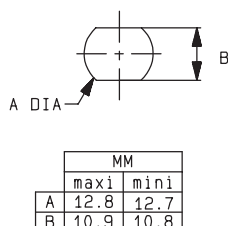
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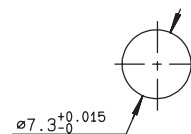
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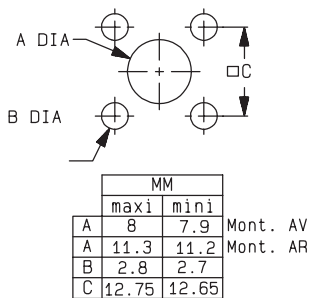
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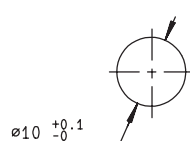
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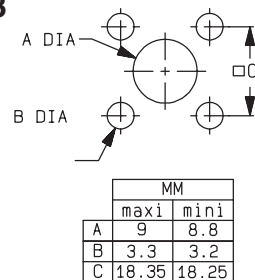
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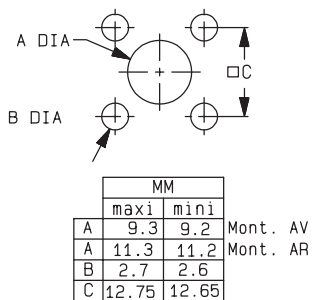
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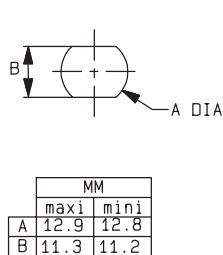
P13



P14



P15



P16

