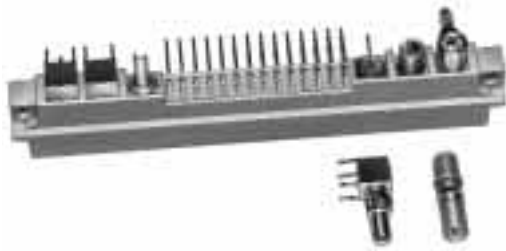
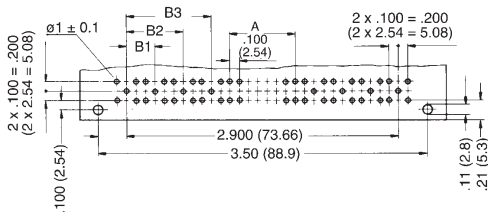


Type M — Series 105

Male Connector
Contact Arrangement:
Row a, b, c
24 + 8*, 42 + 6*, 60 + 4*,
and 78 + 2*



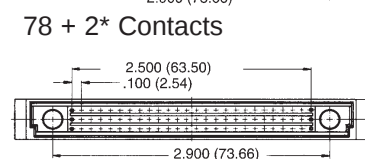
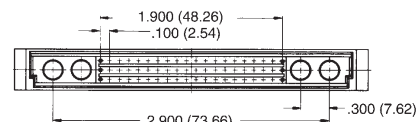
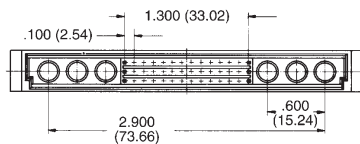
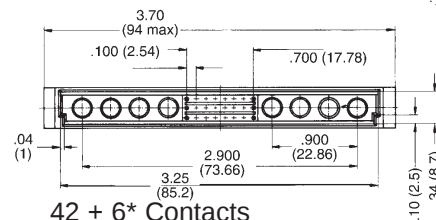
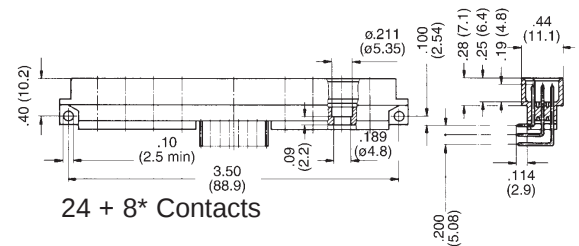
Printed Circuit Layout



No. of Contacts	Dimensions in (mm)			
	A	B ₁	B ₂	B ₃
78 + max. 2*	2.500 (63.50)			
60 + max. 4*	1.900 (48.26)	.300 (7.62)		
42 + max. 6*	1.300 (33.02)	.300 (7.62)	.600 (15.24)	
24 + max. 8*	.700 (17.78)	.300 (7.62)	.600 (15.24)	.900 (22.86)

Part Numbers

No. of Contacts	Contact Arrangement	Performance Level	Termination Methods
			
24 + 8*	Row a, b + c	2	105-024-033
42 + 6*		2	105-042-033
60 + 4*		2	105-060-033
78 + 2*		2	105-078-033



**Female Connector
Contact Arrangement:
Row a, b + c
24 + 8*, 42 + 6*, 60- 4*.
and 78 +2***

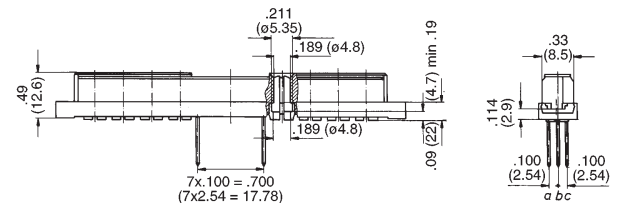


Technical drawing of a shaft with the following dimensions and labels:

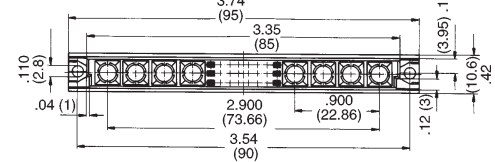
- Overall length: $2 \times 2.54 \pm 5.08$
- Left end diameter: $\phi 0.3$
- Left end feature: 8.15
- Top left dimensions: B_1 , B_2 , B_3
- Top center dimension: 2.54
- Top right dimension: A
- Right end diameter: $\phi 2.8$
- Right end feature: 6 (with *min.* label)
- Bottom left dimension: 8.15
- Bottom center dimension: 73.66
- Bottom right dimension: 90

No. of Contacts	Dimensions in (mm)			
	A	B ₁	B ₂	B ₃
78 + max. 2*	2.500 (63.50)			
60 + max. 4*	1.900 (48.26)	.300 (7.62)		
42 + max. 6*	1.300 (33.02)	.300 (76.2)	.600 (15.24)	
24 + max. 8*	.700 (17.78)	.300 (7.62)	.600 (15.24)	.900 (22.86)

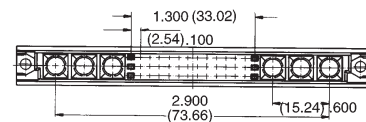
No. of Contacts	Contact Arrangement	Performance Level	Termination Methods
24 + 8*	Row a, b + c	2	105-024-432
42 + 6*		2	105-042-432
60 + 4*		2	105-060-432
78 + 2*		2	105-078-432



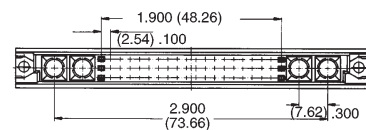
24 + 8* Contacts



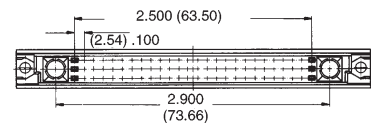
42 + 6* Contacts



60 + 4* Contacts



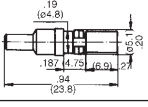
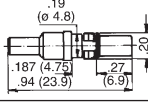
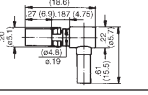
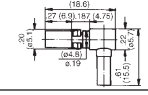
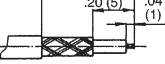
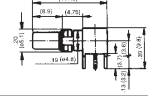
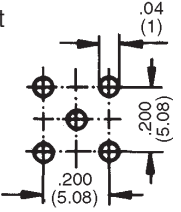
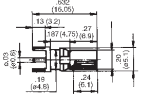
78 + 2* Contacts



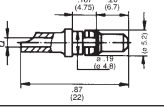
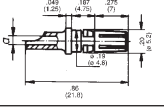
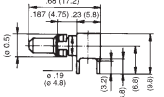
Type M — Series 105

Special Contacts

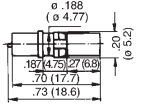
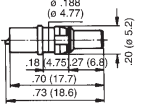
Part Numbers / Coaxial - 50 OHM Contacts

For Male Connectors Type M	For Female Connectors Type M	Frequency	Installation Instruction
		10 GHz max.	RG174/U, RG188/A/U, RG316/U 
		10GHz max.	
		10 GHz max.	P.C. Layout 
		10 GHz max.	

Part Numbers / High Current Contacts

For Male Connectors Type M	For Female Connectors Type M	Rated Current	Termination Method	Dimensions in (mm)
		10A	Solder	.19 (4.8 mm)
		40A		
		10 A	Solder (P.C. Mounting)	P.C. Layout 

Part Numbers / High Voltage Contacts

For Male Connectors Type M	For Female Connectors Type M	Rated Voltage	Termination Method
		2.8 kV	Solder

**For Type M —
Series 105**
Technical Data

Electrical Characteristics	High Frequency Contacts	High Current Contacts	High Voltage Contacts
Working voltage	250 V / 50 Hz,	—	2.8 kV
Withstanding voltage	750 V / 50 Hz	—	3.8 kV
Max. contact current (DC)	1.5 A	40 A	1.5 A
Frequency range	10 GHz	—	—
VSWR-value	1.10 / 4 GHz 1.15 / 4 GHz 1.22 / 10 GHz	—	—
Impedance	Z = 50 Ω	—	—
Insulation resistance	10° M Ω	—	—
Contact resistance			
Inner conductor	≤ 6 m Ω	max. 1.5 m Ω	max. 3 m Ω
Outer conductor	≤ 3 m Ω	—	—
Plating in contact area	—	30 μ" Au / 150 μ" Ni	98 μ" Au / 150 μ Ni
Inner conductor	98 μ" Au / 150 μ" Ni	—	—
Outer conductor	30 μ" Au / 150 μ" Ni	—	—
Mechanical characteristics			
Insertion force	ca. (7 N) 31 lbs.	max. (7 N) 31 lbs.	(4.5 N) 20 lbs.
Withdrawal force	ca. (5.5 N) 24 lbs.	max. (5.5 N) 24 lbs.	(5 N) 22 lbs.
Mating cycles			
Standard	≥ 100	≥ 500	≥ 500
on request	≥ 500	—	—
Materials			
non flexible contact parts	CuZn	CuZn	CuZn
flexible contact parts	CuBe	CuBe	CuBe
Retaining clip	CuBe	CuBe	CuBe
Crimp ferrules	Cu	—	—
Insulators	PTFE	—	PTFE
Temperature range	-67°F/+257°F (–55 °C / + 125 °C)	-67°F/+257°F (–55 °C / + 125 °C)	-67°F/+257°F (–55 °C / + 125 °C)



Crimping Tool 200-013-000


Replacement Tip 200-014-001
Extraction Tool for Inserts 200-014-000