



MCX



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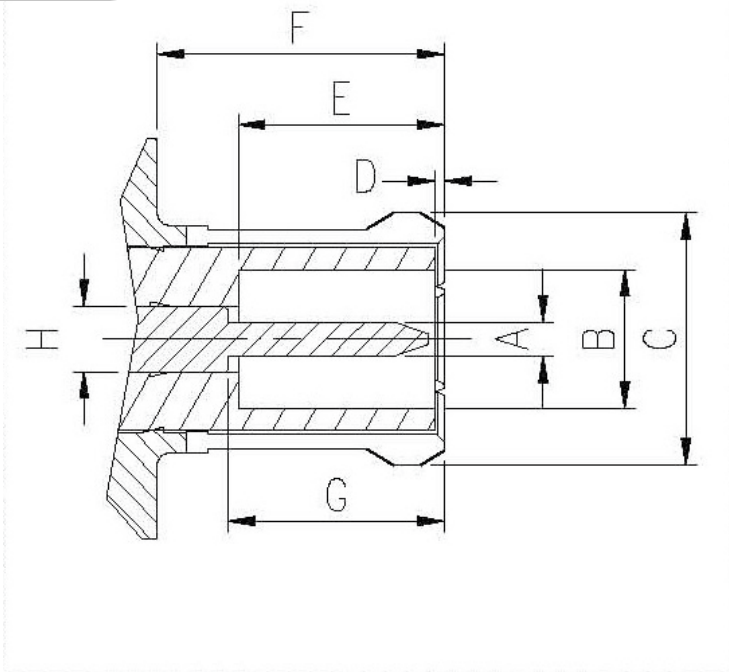
Fax : +886-2-2203-8052 / 2205-5628
<http://www.aliner.com.tw>

MCX - Description

Aliner MCX micro miniature connectors have essential space reduction against SMB. Aliner MCX connectors can be used from DC up to 6 GHz and higher. The features are of high reliability and durability as well as ease of assembly to coaxial cables.

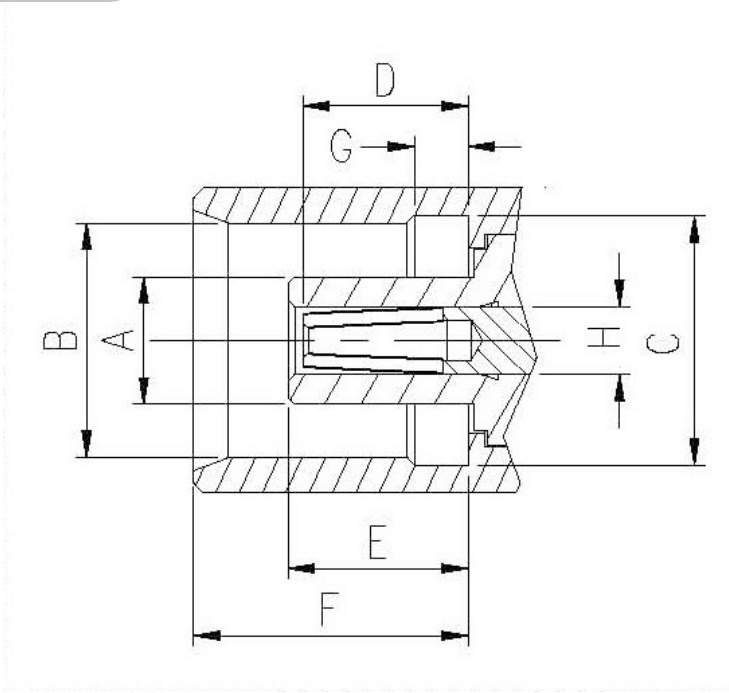
Interface Mating Dimensions

MALE :



LTR.	Millimeters / Inches			
	MINIMUM		MAXIMUM	
A -	Ø 0.48	Ø .019	Ø 0.53	Ø .021
B -	Ø 2.00	Ø .079	Ø 2.07	Ø .081
C -	Ø 3.66	Ø .144	Ø 3.76	Ø .148
D -	0.00	.000	0.30	.012
E -	2.81	.111	3.20	.126
F -	4.16	.164		
G -	2.81	.111	3.20	.126
H -	Ø 0.94	Ø .037	Ø 0.98	Ø .039

FEMALE :



LTR.	Millimeters / Inches			
	MINIMUM		MAXIMUM	
A -	Ø 1.80	Ø .071	Ø 1.97	Ø .076
B -	Ø 3.43	Ø .135	Ø 3.48	Ø .137
C -	Ø 3.61	Ø .142	Ø 3.75	Ø .148
D -	2.31	.091	2.79	.110
E -	2.61	.103	2.79	.110
F -	4.00	.157	4.12	.162
G -	0.75	.030	0.85	.033
H -	Ø 0.94	Ø .037	Ø 0.98	Ø .039



Technical Data

Material / Finish :

	Material	Finish
Connector body	Brass per (QQ-B-626 or JIS-C3604B)	Nickel or gold plating
Center contact male	Brass per (QQ-B-626 or JIS-C3604B)	Gold plating
Center contact female	Beryllium copper per (QQ-C-530 or JIS-C1730) or Phosphor bronze per (QQ-B-750 or JIS-C5441B)	Gold plating
Insulator	PTFE	None
Crimp ferrule	Annealed copper	Same as body

Electrical :

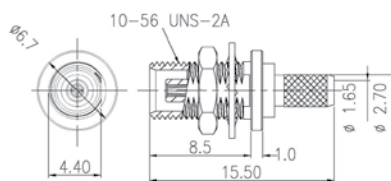
Nominal impedance	50 Ω
Frequency up to	6 GHz
VSWR	1.30 max. straight connector
Working voltage	250 Volts rms.
Dielectric withstanding voltage	500 Volts rms.
Insulation resistance	1000 M Ω min.
Contact resistance	center conductor 5.0 m Ω outer conductor 3.0 m Ω

Mechanical & Environmental :

Mating	Snap on coupling
Cable retention	3 kgf typical
Engage force	2.5 kgf max.
Disengage force	0.5 kgf min.
Durability	≥ 500 cycles
Temperature range	-55°C to +155°C
Vibration	Per MIL-STD-202 Method 204 Test Condition D
Corrosion	Per MIL-STD-202 Method 101 Test Condition B

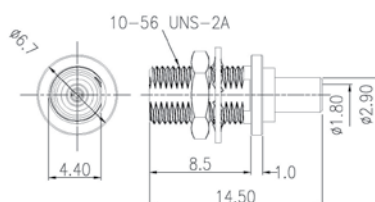


Straight Bulkhead Jack(female)



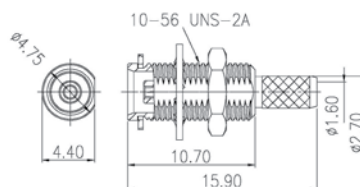
A liner P/N	Impedance	Plating	Packaging	Cable Type	Note
36-101B1-B	50	Gold	Bulk	RD-316	Standard
36-101B0-B	50	Gold	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Standard
36-101BC-B	50	Gold	Bulk	RG-178 B/U;RG-196 A/U	Standard

Straight Bulkhead Jack(female)



A liner P/N	Impedance	Plating	Packaging	Cable Type	Note
36-101BH-B	50	Gold	Bulk	0.81 mini coaxial	Standard
36-101BG-B	75	Gold	Bulk	1.32 mini coaxial	Standard
36-101BE-B	50	Gold	Bulk	1.37 mini coaxial	Standard
36-101BF-B	50	Gold	Bulk	1.48 mini coaxial	Standard

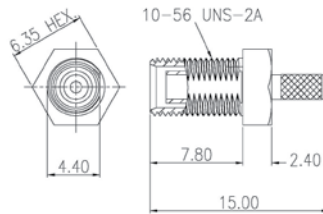
Straight Bulkhead Jack(female)



A liner P/N	Impedance	Plating	Packaging	Cable Type	Note
36-101C0-B	50	Gold	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Standard
36-101D0-B	50	Gold	Bulk	RG-178 B/U;RG-196 A/U	Standard

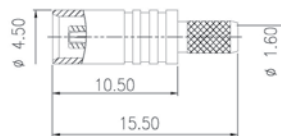


Straight Bulkhead Jack(female)



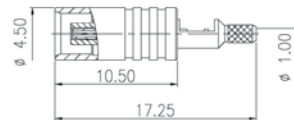
Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
36-103AR-B	50	Gold	Bulk	RG-178 B/U;RG-196 A/U	Reverse Polarity

Straight Jack(female)



Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
36-101A1-B	50	Gold	Bulk	RD-316	Standard
36-101A0-B	50	Gold	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Standard

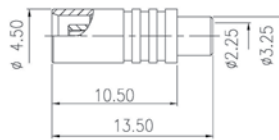
Straight Jack(female)



Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
36-101AB-B	50	Gold	Bulk	1.13 mini coaxial	Standard
36-101AC-B	50	Nickel	Bulk	RG-178 B/U;RG-196 A/U	Standard
36-101AD-B	50	Gold	Bulk	RG-178 B/U;RG-196 A/U	Standard

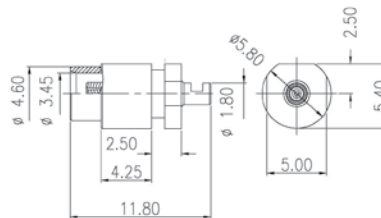


Straight Jack(female)



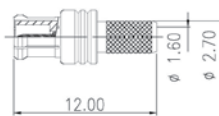
Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
36-101F0-B	50	Gold	Bulk	.085 semi-rigid	Standard

Straight Jack(female)



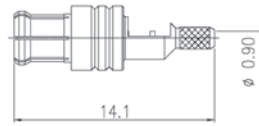
Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
36-104A0-B	50	Gold	Bulk	1.13 mini coaxial	Standard

Straight Plug(male)



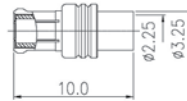
Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
36-130AB-B	50	Gold	Bulk	1.5D-2V	Standard
36-130AF-B	50	Gold	Bulk	Filotex 296769	Standard
36-130A1-B	50	Gold	Bulk	RD-316	Standard
36-130AS-B	50	Silver	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Standard
36-130AC-B	50	Nickel	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Standard
36-130A0-B	50	Gold	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Standard
36-130AY-B	75	Gold	Bulk	RG-179 B/U; RG-187 A/U	Standard
36-130AW-B	75	Nickel	Bulk	RG-179 B/U; RG-187 A/U	Standard

Straight Plug(male)



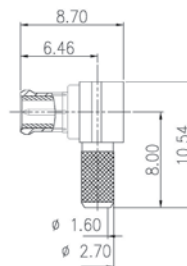
Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
36-130CN-B	50	Nickel	Bulk	1.37 mini coaxial	Standard
36-130C0-B	50	Gold	Bulk	1.37 mini coaxial	Standard
36-130D0-B	50	Nickel	Bulk	RG-178 B/U;RG-196 A/U	Standard
36-130DR-B	50	Nickel	Bulk	RG-178 B/U;RG-196 A/U	Reverse Polarity
36-130CA-B	50	Gold	Bulk	RG-178 B/U;RG-196 A/U	Standard

Straight Plug(male)



Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
36-202A0-B	50	Gold	Bulk	.085 semi-rigid	Standard
36-201A0-B	50	Gold	Bulk	.141 semi-rigid	Standard

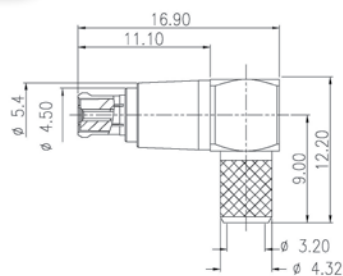
Right Angle Plug(male)



Aliner P/N	Impedance	Plating	Packaging	Mounting Pattern & Cable Type	Note
36-109AS-B	50	Gold	Bulk	1.32 mini coaxial	Standard
36-109AD-B	50	Gold	Bulk	RD-316	Standard
36-109AR-B	50	Gold	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Reverse Polarity
36-109A0-B	50	Gold	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Standard
36-109B0-B	50	Gold	Bulk	RG-178 B/U;RG-196 A/U	Standard
36-109AC-B	75	Gold	Bulk	RG-179 B/U; RG-187 A/U	Standard
36-109H0-B	50	Gold	Bulk	RG-58 C/U;RG-303/U	Standard

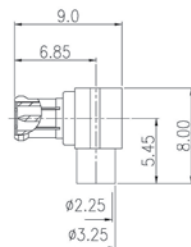


Right Angle Plug(male)



Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
36-205CR-B	50	Gold	Bulk	Filotex 296769	Reverse Polarity
36-205AR-B	50	Gold	Bulk	LMR-200	Reverse Polarity

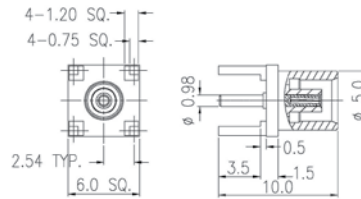
Right Angle Plug(male)



Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
36-207AB-B	50	Gold	Bulk	.047 semi-rigid	Standard
36-208AB-B	50	Gold	Bulk	.085 semi-rigid	Standard
36-209AA-B	50	Gold	Bulk	.141 semi-rigid	Standard

Straight Jack(female)

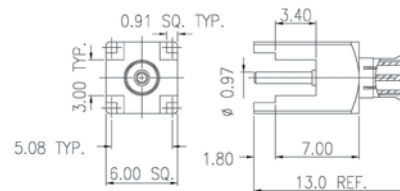
PCB MOUNT



Aliner P/N	Impedance	Plating	Packaging	Mounting Pattern	Note
36-001AR-B	50	Gold	Bulk	B17	Reverse Polarity
36-001A0-T	50	Gold	Tray	B17	Standard
36-001A0-B	50	Gold	Bulk	B17	Standard

Straight Plug(male)

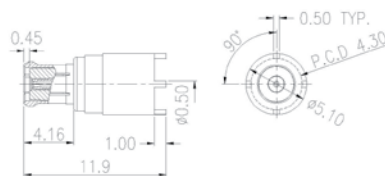
PCB MOUNT



Aliner P/N	Impedance	Plating	Packaging	Mounting Pattern	Note
36-102A0-B	50	Gold	Bulk	B11	Standard

Straight Plug(male)

PCB MOUNT

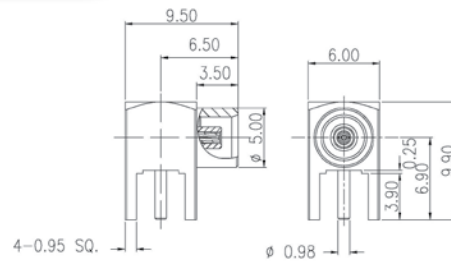


Aliner P/N	Impedance	Plating	Packaging	Mounting Pattern	Note
36-102EB-B	50	Gold	Bulk	B29	Standard
36-102EA-T	50	Gold	Tray	B29	Reverse Polarity
36-102EA-B	50	Gold	Bulk	B29	Reverse Polarity



Right Angle Jack(female)

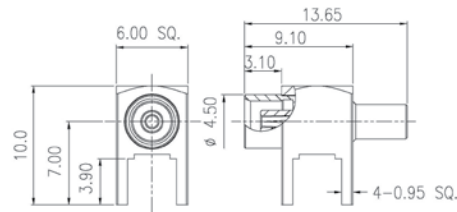
PCB MOUNT



Aliner P/N	Impedance	Plating	Packaging	Mounting Pattern	Note
36-109F0-T	50	Gold	Tray	B30	Standard

Right Angle Jack (female)

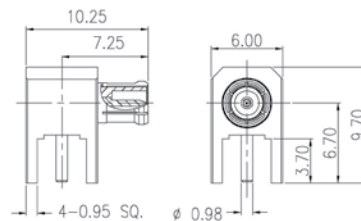
PCB MOUNT & CABLE



Aliner P/N	Impedance	Plating	Packaging	Mounting Pattern & Cable Type	Note
36-109FD-B	50	Gold	Bulk	B12 & 1.13 mini coaxial	Standard
36-109FE-B	75	Gold	Bulk	B12 & 1.37 mini coaxial	Standard
36-109FG-B	50	Gold	Bulk	B12 & 1.48 mini coaxial	Standard
36-109FP-B	50	Gold	Bulk	B12 & 1.48 mini coaxial	Standard

Right Angle Plug(male)

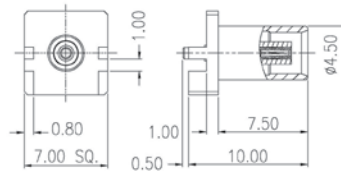
PCB MOUNT



Aliner P/N	Impedance	Plating	Packaging	Mounting Pattern	Note
36-109HG-T	50	Gold	Tray	B64	Standard
36-109HN-T	50	Nickel	Tray	B64	Standard

Straight Jack(female)

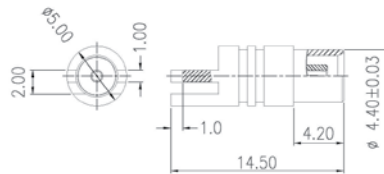
PCB EDGE MOUNT



Aliner P/N	Impedance	Plating	Packaging	Mounting Pattern	Note
36-001B1-T	75	Gold	Tray	B40	Standard
36-001B0-T	50	Gold	Tray	B40	Standard
36-001B0-B	50	Gold	Bulk	B40	Standard

Straight Jack(female)

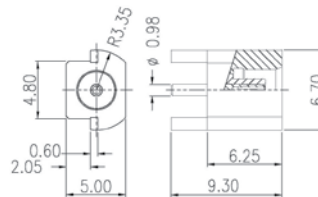
PCB EDGE MOUNT



Aliner P/N	Impedance	Plating	Packaging	Mounting Pattern	Note
36-001N0-B	50	Nickel	Tray	B63	Standard

Straight Jack(female)

PCB EDGE MOUNT

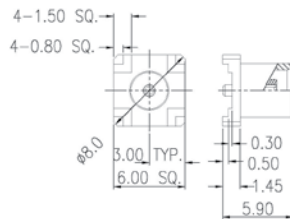


Aliner P/N	Impedance	Plating	Packaging	Mounting Pattern	Note
36-006B0-B	50	Gold	Bulk	B60	Standard
36-006B0-R	50	Gold	Reel	B60	Standard
36-006B1-B	75	Gold	Bulk	B60	Standard



Straight Jack(female)

SMD

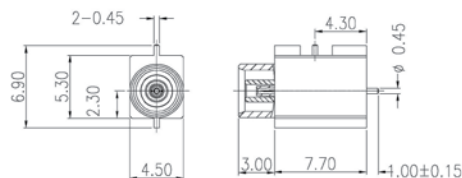


Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
36-001T0-B	50	Tin	Bulk	B28	Standard
36-001TA-T	50	Gold	Tray	B28	Standard
36-001TD-R	75	Gold	Reel	B28	Standard
36-001TD-T	75	Gold	Tray	B28	Standard



Straight Jack(female)

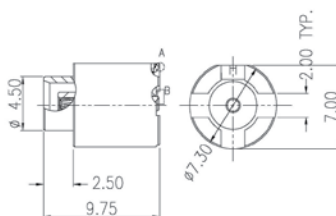
PCB EDGE MOUNT



Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
36-301AA-R	50	Gold	Reel	B70	Standard
36-301AA-T	50	Gold	Tray	B70	Standard

Straight Jack(female)

PCB VERTICAL MOUNT



Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
36-501BB-T	50	Gold	Tray	B71	Standard