



MMCX



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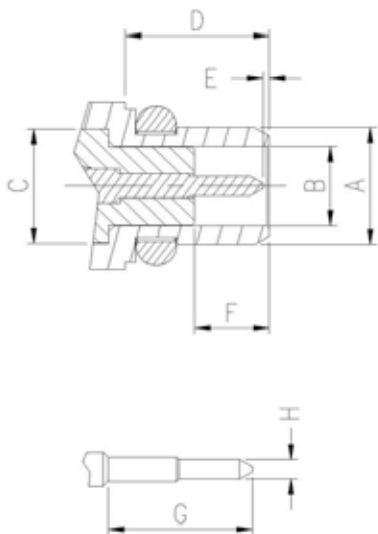
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<http://www.aliner.com.tw>

MMCX - Description

A liner MMCX connectors were developed for applications which require smallest dimensions. A liner MMCX connectors can be used from DC up to 6 GHz and higher. The locking consists of a snap-on mechanism. Also the non-slotted outer conductor connection has a low Rf-leakage.

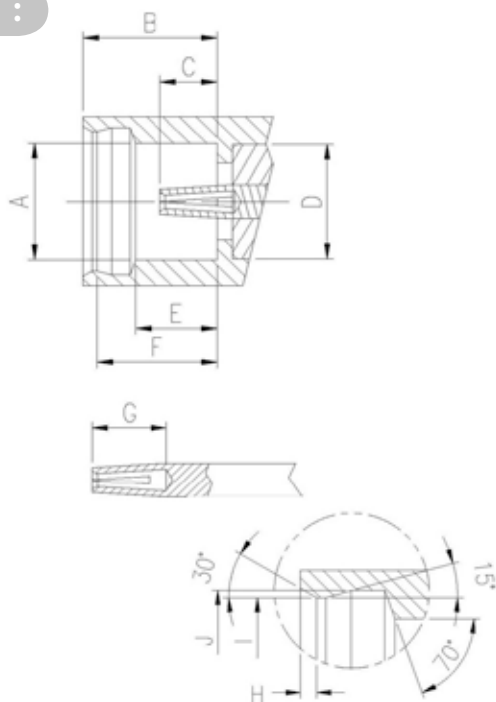
Interface Mating Dimensions

MALE :

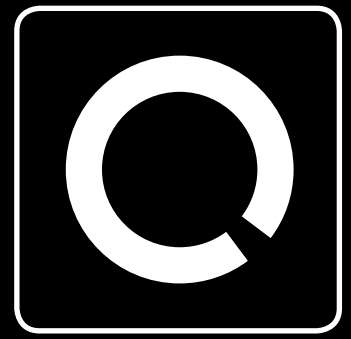


LTR.	Millimeters / Inches			
	MINIMUM		MAXIMUM	
A -			Ø 2.39	Ø .094
B -	Ø 1.57	Ø .062	Ø 1.63	Ø .064
C -	Ø 2.31	Ø .091	Ø 2.36	Ø .092
D -	2.69	.106		
E -	0.00	.000	0.25	.100
F -	1.25	.049		
G -			3.15	.124
H -	0.38	.015	0.43	.017

FEMALE :



LTR.	Millimeters / Inches			
	MINIMUM		MAXIMUM	
A -	Ø 2.41	Ø .181		
B -	2.59	.102		
C -	0.89	.035	1.20	.047
D -	Ø 2.31	Ø .091	Ø 2.36	Ø .093
E -	1.57	.062	1.63	.064
F -	2.28	.090	2.33	.092
G -	1.40	.055		
H -			0.23	.009
I -	Ø 2.87	Ø .113	Ø 2.90	Ø .114
J -	Ø 3.00	Ø .118	Ø 3.05	Ø .120



Technical Data

Material / Finish :

	Material	Finish
Connector body	Brass per (QQ-B-626 or JIS-C3604B)	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	Gold plating

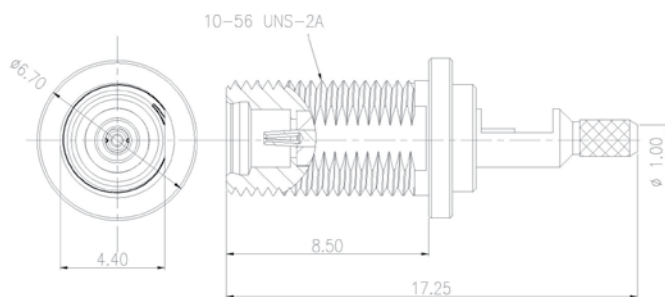
Electrical :

Nominal impedance	50 Ω
Frequency up to	6 GHz
VSWR	1.35 max.
Working voltage	125 Volts rms.
Dielectric withstanding voltage	500 Volts rms.
Insulation resistance	500 M Ω min.
Contact resistance	center conductor 5.0 m Ω outer conductor 2.5 m Ω

Mechanical & Environmental :

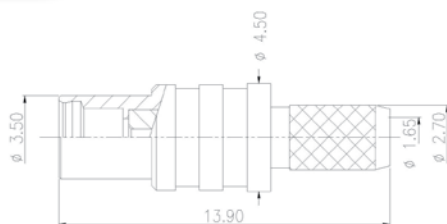
Mating	Snap on coupling
Cable retention	3.0 kgf typical
Engage force	2.0 kgf max.
Disengage force	0.5 kgf min.
Durability	\geq 500 cycles
Temperature range	-55 $^{\circ}$ C to +155 $^{\circ}$ C
Vibration	Per MIL-STD-202 Method 204 Test Condition D
Corrosion	Per MIL-STD-202 Method 101 Test Condition B

Bulkhead Jack(female)



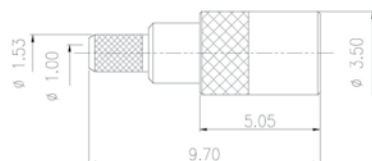
Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
25-121DD-B	50	Gold	Bulk	1.13 mini coaxial	Standard
25-121DA-B	50	Gold	Bulk	RG-178 B/U;RG-196 A/U	Standard

Straight Jack(female)



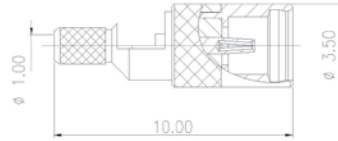
Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
25-121B0-B	50	Gold	Bulk	1.32 mini coaxial	Standard
25-121A0-B	50	Gold	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Standard
25-121AR-B	50	Gold	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Reverse Polarity
25-121C0-B	50	Gold	Bulk	RG-178 B/U;RG-196 A/U	Standard

Straight Jack(female)



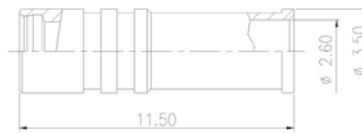
Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
25-122C0-B	50	Gold	Bulk	1.13 mini coaxial	Standard
25-122CD-B	50	Gold	Bulk	1.37 mini coaxial	Standard

Straight Jack(female)



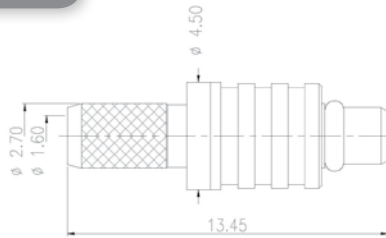
Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
25-122A0-B	50	Gold	Bulk	1.13 mini coaxial	Standard
25-122AR-B	50	Gold	Bulk	1.13 mini coaxial	Reverse Polarity
25-122B0-B	50	Gold	Bulk	1.37 mini coaxial	Standard
25-122BA-B	50	Gold	Bulk	RG-178 B/U;RG-196 A/U	Standard

Straight Jack(female)



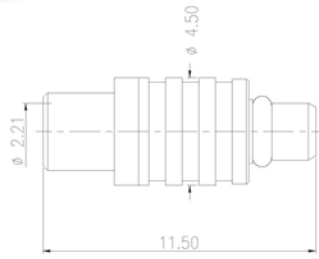
Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
25-123C0-B	50	Gold	Bulk	1.32 mini coaxial	Standard
25-123A0-B	50	Gold	Bulk	RG-178 B/U;RG-196 A/U	Standard

Straight Plug(male)



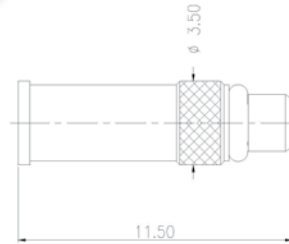
Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
25-301A1-B	50	Gold	Bulk	1.5D-2V	Standard
25-301AA-B	50	Gold	Bulk	RD-316	Standard
25-301A2-B	50	Gold	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Standard
25-301AR-B	50	Gold	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Reverse Polarity
25-301CR-B	50	Gold	Bulk	RG-178 B/U;RG-196 A/U	Reverse Polarity

Straight Plug(male)



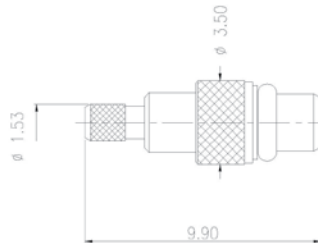
Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
25-301D0-B	50	Gold	Bulk	.085 semi-rigid	Standard

Straight Plug(male)



Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
25-303C0-B	50	Gold	Bulk	1.20 mini coaxial	Standard
25-303A0-B	50	Gold	Bulk	RG-178 B/U;RG-196 A/U	Standard

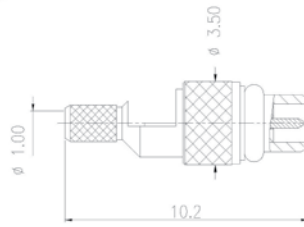
Straight Plug(male)



Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
25-304C0-B	50	Gold	Bulk	1.13 mini coaxial	Standard
25-304CD-B	50	Gold	Bulk	1.37 mini coaxial	Standard

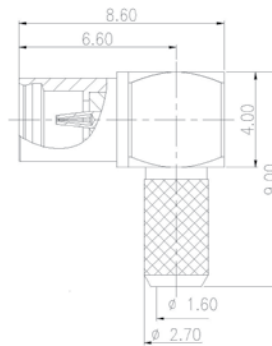


Straight Plug(male)



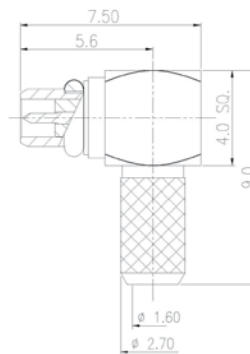
Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
25-304A0-B	50	Gold	Bulk	1.13 mini coaxial	Standard
25-304B0-B	50	Gold	Bulk	1.37 mini coaxial	Standard
25-304BA-B	50	Gold	Bulk	RG-178 B/U;RG-196 A/U	Standard

Right Angle Jack(female)



Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
25-309D0-B	50	Gold	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Standard
25-309C0-B	50	Gold	Bulk	RG-178 B/U;RG-196 A/U	Standard

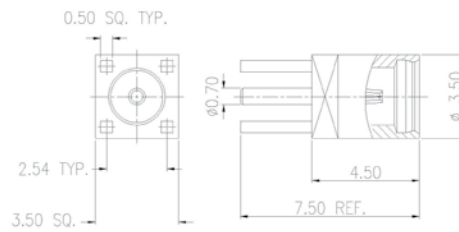
Right Angle Plug(male)



Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
25-109EE-B	50	Gold	Bulk	1.13 mini coaxial	Standard
25-109FR-B	50	Gold	Bulk	1.13 mini coaxial	Reverse Polarity
25-109EP-B	50	Gold	Bulk	1.37 mini coaxial	Standard
25-109RA-B	50	Gold	Bulk	1.37 mini coaxial	Reverse Polarity
25-109D0-B	50	Gold	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Standard
25-109DR-B	50	Gold	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Reverse Polarity
25-109EG-B	50	Gold	Bulk	RG-178 B/U;RG-196 A/U	Standard
25-109EH-B	50	Gold	Bulk	RG-178 B/U;RG-196 A/U	Reverse Polarity

Straight Jack(female)

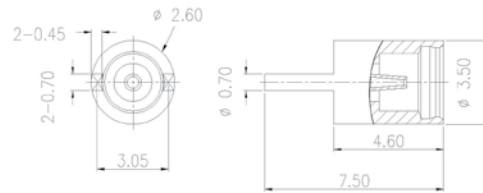
PCB MOUNT



Aliner P/N	Impedance	Plating	Packaging	Mounting Pattern	Note
25-00200-T	50	Gold	Tray	B06	Standard
25-002E0-T	50	Gold	Tray	B06	Standard
25-002E1-R	50	Gold	Reel	B06	Standard

Straight Jack(female)

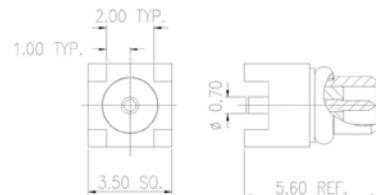
PCB MOUNT



Aliner P/N	Impedance	Plating	Packaging	Mounting Pattern	Note
25-004A0-T	50	Gold	Tray	B08	Standard

Straight Plug(male)

PCB MOUNT

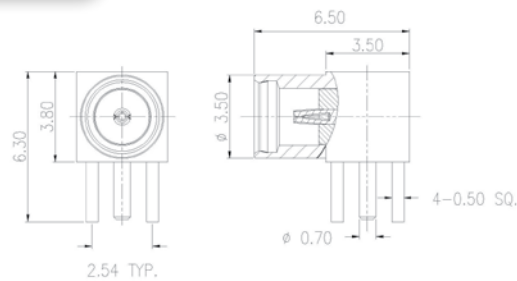


Aliner P/N	Impedance	Plating	Packaging	Mounting Pattern	Note
25-020B0-B	50	Gold	Bulk	B09	Standard
25-020BA-B	50	Gold	Bulk	B09	Standard



Right Angle Jack(female)

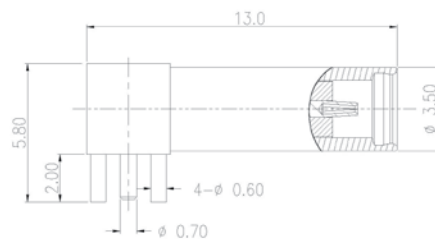
PCB MOUNT



Aliner P/N	Impedance	Plating	Packaging	Mounting Pattern	Note
25-10902-R	50	Gold	Reel	B06	Standard
25-10902-T	50	Gold	Tray	B06	Standard

Right Angle Jack (female)

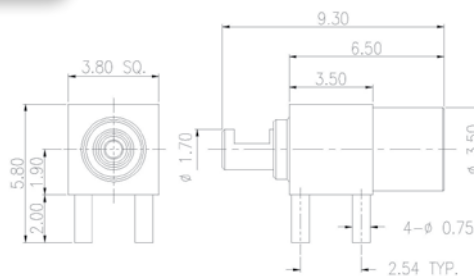
PCB MOUNT



Aliner P/N	Impedance	Plating	Packaging	Mounting Pattern	Note
25-109L0-T	50	Gold	Tray	B20	Standard

Right Angle Jack(female)

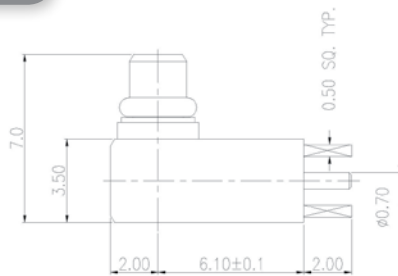
PCB MOUNT & CABLE



Aliner P/N	Impedance	Plating	Packaging	Mounting Pattern & Cable Type	Note
25-114A1-B	50	Gold	Bulk	B10 & 1.13 mini coaxial	Standard

Right Angle Plug(male)

PCB MOUNT

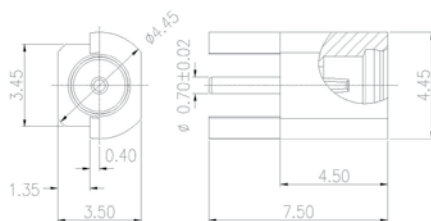


Aliner P/N
25-109M0-T

Impedance	Plating	Packaging	Mounting Pattern	Note
50	Gold	Tray	B06	Standard

Straight Jack(female)

PCB EDGE MOUNT



Aliner P/N
25-006A0-R

Impedance	Plating	Packaging	Mounting Pattern	Note
50	Gold	Reel	B45	Standard

25-006A0-T

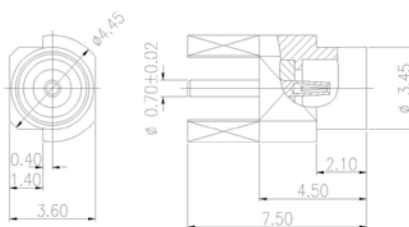
50	Gold	Tray	B45	Standard
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25-006C0-T

50	Gold	Tray	B35	Standard
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Straight Jack(female)

PCB EDGE MOUNT



Aliner P/N
25-006E0-R

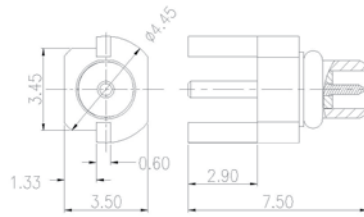
Impedance	Plating	Packaging	Mounting Pattern	Note
50	Gold	Reel	B44	Standard

25-006E0-T

50	Gold	Tray	B44	Standard
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Straight Plug(male)

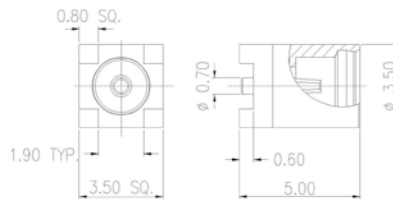
PCB EDGE MOUNT



Aliner P/N	Impedance	Plating	Packaging	Mounting Pattern	Note
25-005AR-T	50	Gold	Tray	B44	Reverse Polarity
25-005A0-T	50	Gold	Tray	B44	Standard
25-005AL-T	50	Gold	Tray	B34	Standard

Straight Jack(female)

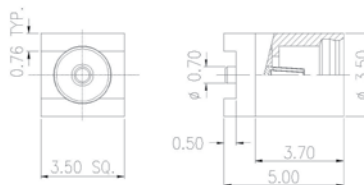
SMD



Aliner P/N	Impedance	Plating	Packaging	Mounting Pattern	Note
25-002F0-T	50	Gold	Tray	B36	Standard
25-002F2-R	50	Gold	Reel	B36	Standard

Straight Jack(female)

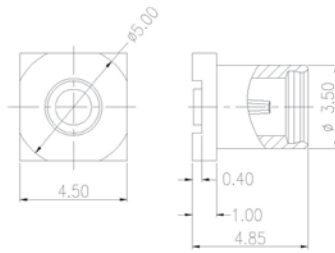
SMD



Aliner P/N	Impedance	Plating	Packaging	Mounting Pattern	Note
25-002F1-B	50	Gold	Bulk	B07	Standard
25-002FB-R	50	Gold	Reel	B07	Standard
25-002FC-T	50	Gold	Tray	B07	Standard

Straight Jack(female)

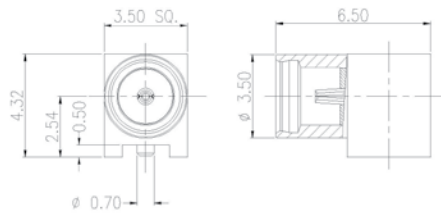
SMD



Aliner P/N	Impedance	Plating	Packaging	Mounting Pattern	Note
25-002G0-T	50	Gold	Tray	B58	Standard

Right Angle Jack(female)

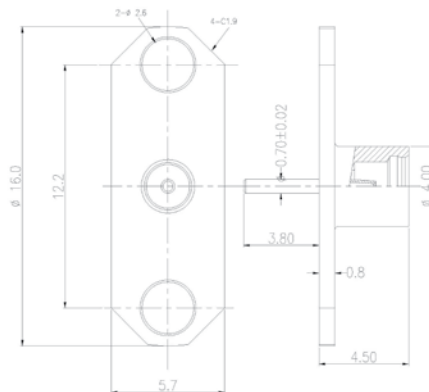
SMD



Aliner P/N	Impedance	Plating	Packaging	Mounting Pattern	Note
25-10904-R	50	Gold	Reel	B07	Standard
25-10904-T	50	Gold	Tray	B07	Standard

MMCX PANEL MOUNT

Straight Jack(female)

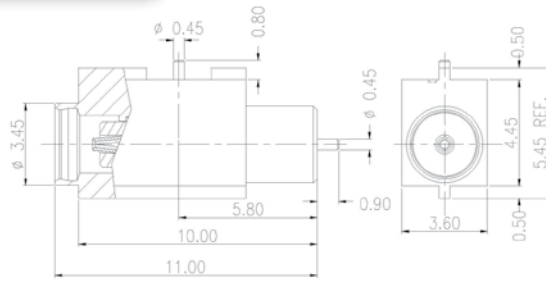


Aliner P/N	Impedance	Plating	Packaging	Note
25-00300-T	50	Gold	Tray	Standard



Straight Jack(female)

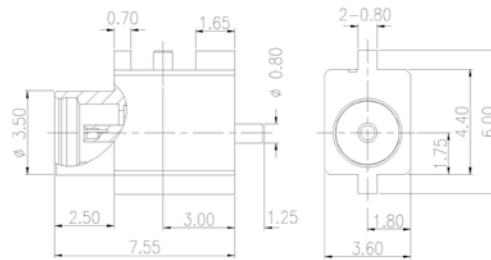
PCB EDGE MOUNT



Aliner P/N	Impedance	Plating	Packaging	Mounting Hole	Note
25-501A0-R	50	Gold	Reel	B55	Standard
25-501AF-R	50	Gold	Reel	B47	Standard

Straight Jack(female)

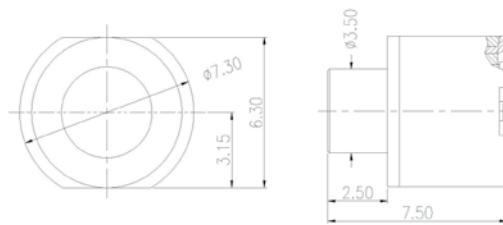
PCB EDGE MOUNT



Aliner P/N	Impedance	Plating	Packaging	Mounting Hole	Note
25-501AB-R	50	Gold	Reel	B56	Standard
25-501AC-R	50	Gold	Reel	B50	Standard

Straight Jack(female)

PCB VERTICAL MOUNT



Aliner P/N	Impedance	Plating	Packaging	Mounting Hole	Note
25-501B0-T	50	Gold	Tray	B59	Standard
25-501B0-R	50	Gold	Reel	B59	Standard

