



Contents

	1.0-2.3	1
	BNC	5
	MC-CARD	11
	MCX	19
	MMCX	31
	SMA	45
	SMB	67
	SMC	77
	SMP	83
	SSMA	89
	SSMB	93
	SSMCX	103
	TNC	107
	Type N	117
	BSA - (Between Series Adaptors)	128
	PCB Layout	138

* Pictures shown in this catalog are used as reference only



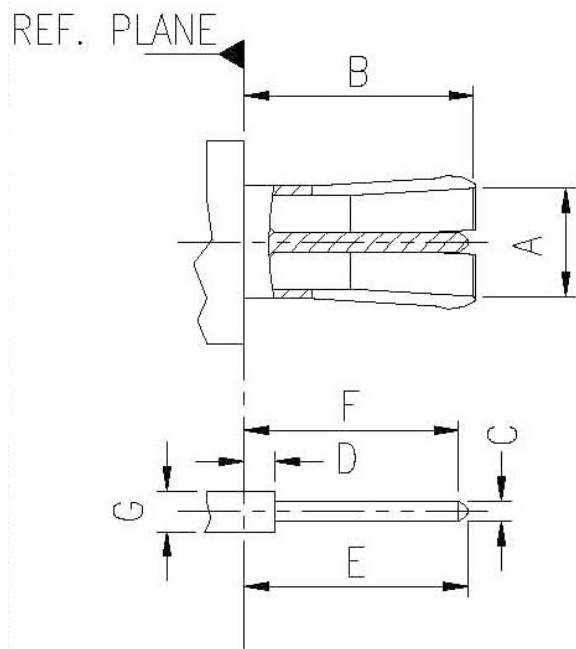
1.0-2.3

1.0-2.3 - Description

Aliner 1.0/2.3 series is a compact design which provides a push-pull coupling system allowing quick installation; they are ideally suited to applications where space is limited. Aliner 1.0/2.3 coaxial connectors are 50 ohm units operating from 0~6 GHz.

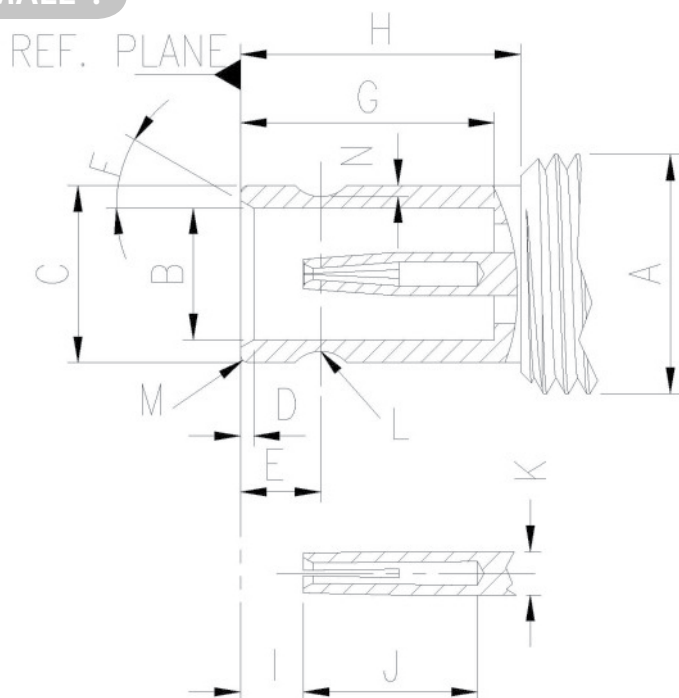
Interface Mating Dimensions

MALE :



LTR.	Millimeters / Inches			
	MINIMUM		MAXIMUM	
A -	Ø 2.30 Ø .091 nominal			
B -	5.40	.213	5.70	.224
C -	Ø 0.47	Ø .018	Ø 0.52	Ø .020
D -			1.15	.045
E -			5.50	.217
F -	4.50	.177		
G -	Ø 1.00 Ø .039 nominal			

FEMALE :



LTR.	Millimeters / Inches			
	MINIMUM		MAXIMUM	
A -	M5.5x0.5			
B -	Ø 3.00	Ø .118	Ø 3.06	Ø .120
C -	Ø 4.03	Ø .159	Ø 4.14	Ø .163
D -	0.50	.020	0.60	.024
E -	1.80	.071	1.90	.075
F -	30°±2°			
G -	5.80	.228	5.90	.232
H -	6.40	.252	6.50	.256
I -	1.15	.045	1.75	.069
J -	4.50	.177		
K -	Ø 1.00 Ø .039 nominal			
L -	R0.75	R.030	R0.85	R.033
M -			R0.30	R.011
N -	Ø 3.53	Ø .139	Ø 3.60	Ø .142



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

Electrical :

Nominal impedance	50Ω
Frequency up to	6.0 GHz
VSWR	1.35 max.
Working voltage	250 Volts rms max.
Dielectric withstanding voltage	1000 Volts rms min.
Insulation resistance	1000 MΩ min.
Contact resistance	center conductor 4.0 mΩ initial outer conductor 2.0 mΩ initial

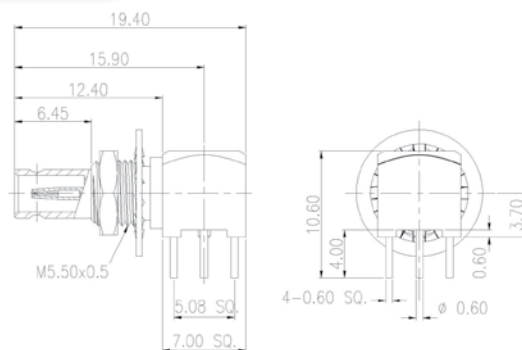
Mechanical & Environmental :

Mating	Snap on coupling
Cable retention	2.3 Kgf typical
Durability	≥ 500 cycles
Engagement force	2.75 kgf max.
Disengagement force	0.4 kgf min.
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



Right Angle Bulkhead Jack(female)

PCB MOUNT



Aliner P/N

Impedance

Plating

Packaging

Mounting Pattern

Note

24-109B0-T

50

Silver

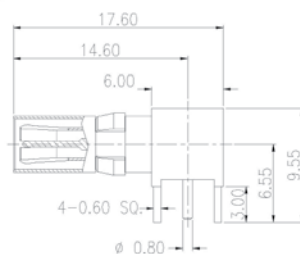
Tray

B83

Standard

Right Angle Plug(male)

PCB MOUNT



Aliner P/N

Impedance

Plating

Packaging

Mounting Pattern

Note

24-209A0-T

50

Gold

Tray

B83

Standard



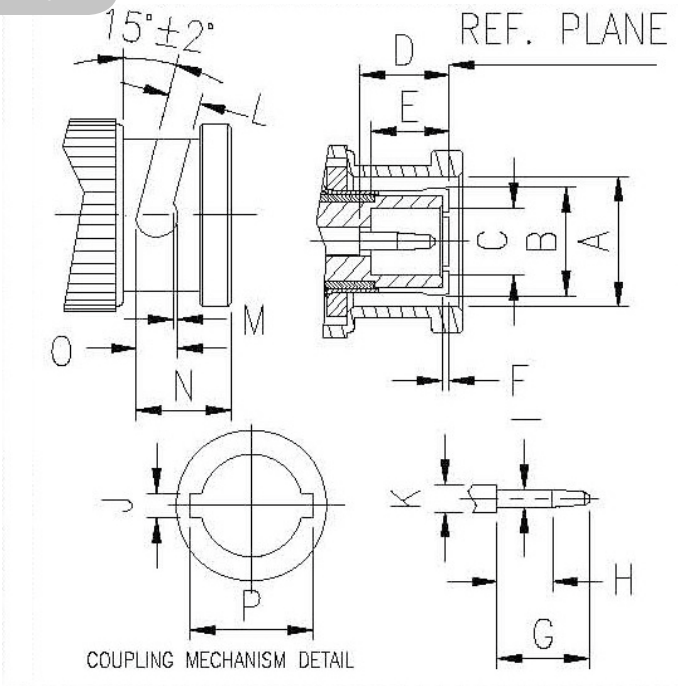
BNC

BNC - Description

Aliner BNC connectors are the RF connectors most frequently used in electronics and network worldwide. BNC connectors are applicable from DC up to 4 GHz with 50Ω and from DC up to 1 GHz with 75Ω characteristic impedance.

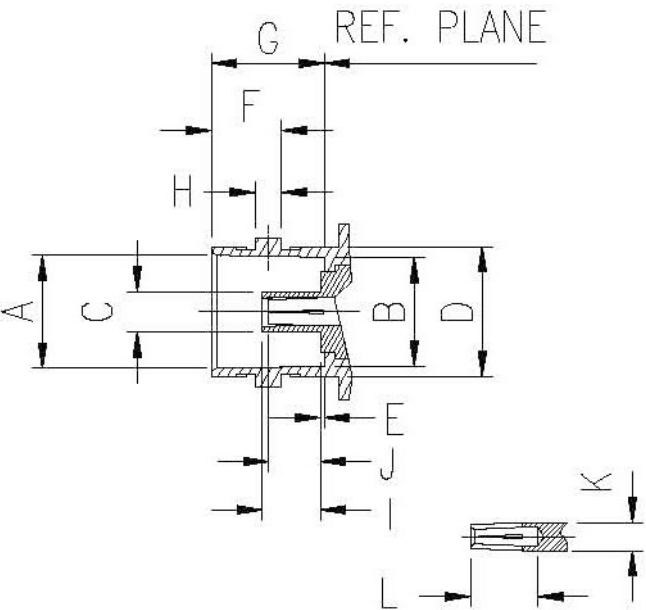
Interface Mating Dimensions

MALE :



LTR.	Millimeters / Inches			
	MINIMUM		MAXIMUM	
A -	Ø 9.78	Ø .385	Ø 9.91	Ø .390
B -	Ø 7.92	Ø .312	Ø 8.10	Ø .319
C -	Ø 4.83	Ø .192		
D -	5.33	.209	5.84	.230
E -	5.28	.208	5.79	.228
F -	0.15	.006		
G -	4.32	.170	5.80	.228
H -	1.98	.077		
I -	Ø 1.32	Ø .052	Ø 1.37	Ø .054
J -	2.31	.091	2.46	.097
K -	Ø 2.06	Ø .081	Ø 2.21	Ø .087
L -	2.31	.091	2.46	.097
M -	0.46	.018	0.56	.022
N -	4.57	.180	4.67	.184
O -	3.15	.124		
P -	11.76	.463	12.01	.473

FEMALE :



LTR.	Millimeters / Inches			
	MINIMUM		MAXIMUM	
A -	Ø 8.31	Ø .327	Ø 8.51	Ø .335
B -	Ø 8.10	Ø .319	Ø 8.15	Ø .321
C -			Ø 4.72	Ø .186
D -	Ø 9.60	Ø .378	Ø 9.68	Ø .381
E -			0.15	.006
F -	5.18	.204	5.28	.208
G -	8.31	.327	8.51	.335
H -	1.91	.075	2.00	.081
I -	4.78	.188	5.28	.208
J -	4.72	.186	5.23	.206
K -	2.06	.081	2.21	.087
L -	4.95	.194		



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 or P.P.	None
Crimp ferrule	Annealed copper	Same as body
Gasket	Silicone rubber	None

Electrical :

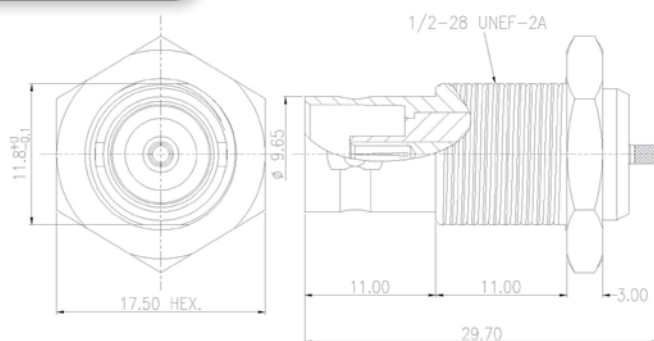
Nominal impedance	50 Ω
Frequency up to	4 GHz
VSWR	1.3 max. @ 1GHz
Working voltage	500 Volts rms.
Dielectric withstanding voltage	1500 Volts rms.
Insulation resistance	5000 M Ω min.
Contact resistance	center conductor 4.0 m Ω outer conductor 1.5 m Ω

Mechanical & Environmental :

Mating	Bayonet Lock Coupling
Cable retention	6 kgf typical
Durability	≥ 500 cycles
Coupling nut retention	15 kgf min.
Temperature range	P.P. -45 °C to +85°C , PTFE -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

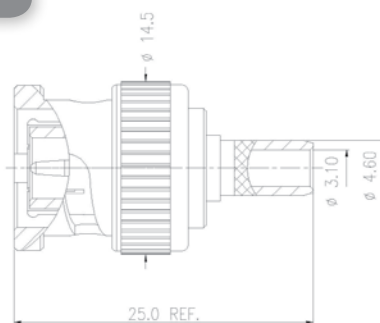


Straight Bulkhead Jack(female)



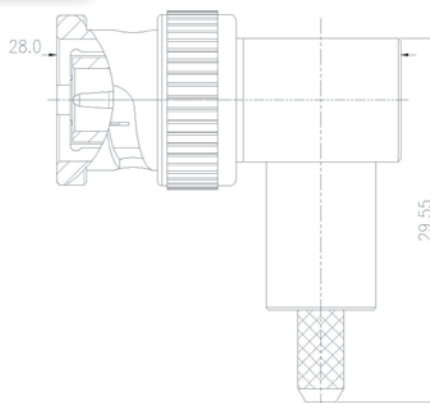
Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
17-220AA-B	50	Nickel	Bulk	1.13 mini coaxial	Standard
17-201AA-B	50	Nickel	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Standard

Straight Plug(male)



Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
17-131A0-B	50	Nickel	Bulk	RG-58 C/U;RG-303/U	Standard
17-132A0-B	75	Nickel	Bulk	RG-59	Standard

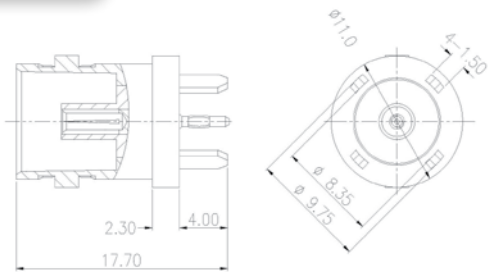
Right Angle Plug(male)



Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
17-109A0-B	50	Nickel	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Standard

Straight Jack(female)

PCB MOUNT



Aliner P/N	Impedance	Plating	Packaging	Mounting Pattern	Note
17-112C0-T	75	Nickel	Tray	B03	Standard





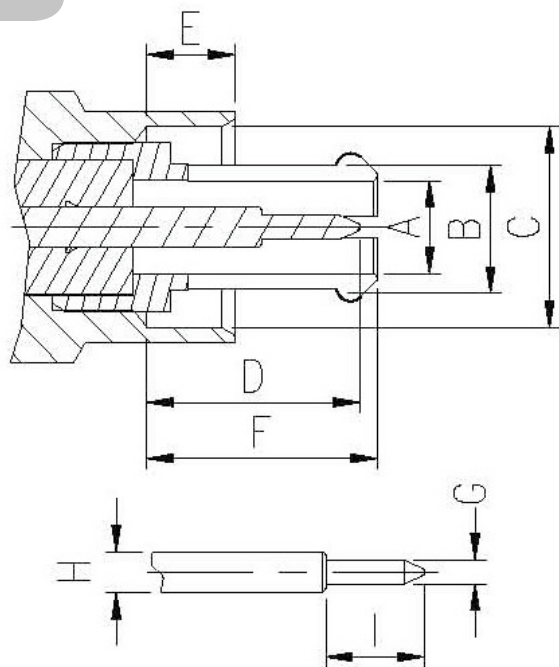
MC-CARD

MC-CARD - Description

Aliner MC-CARD connectors are suitable for DC up to 6 GHz. Applications include wireless network communication and etc.. Aliner MC-CARD is quick connection/disconnection snap-on mating.

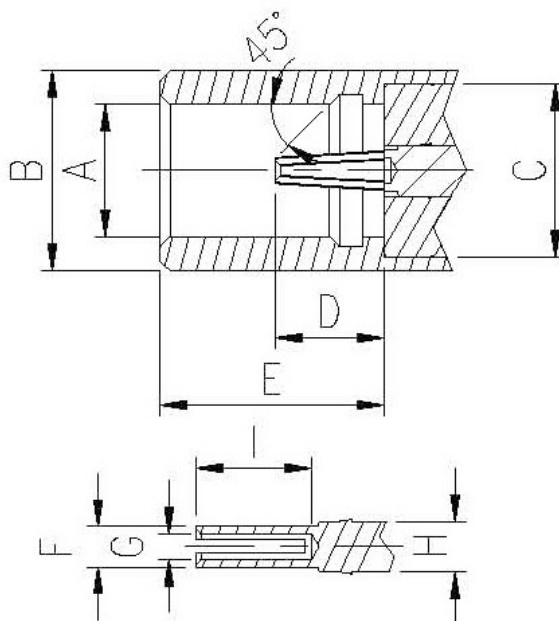
Interface Mating Dimensions

MALE :

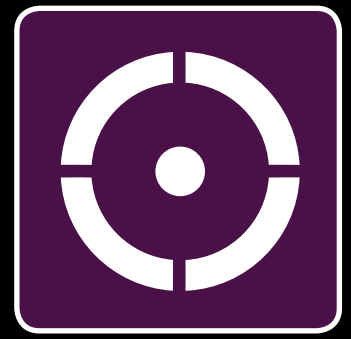


LTR.	Millimeters / Inches			
	MINIMUM		MAXIMUM	
A -	Ø 1.35	Ø .053	Ø 1.45	Ø .057
B -	Ø 1.80	Ø .071	Ø 1.90	Ø .075
C -	Ø 2.95	Ø .116	Ø 3.05	Ø .120
D -	3.15	.124	3.25	.128
E -	1.25	.049	1.35	.053
F -	3.35	.132	3.45	.136
G -	Ø 0.33	Ø .013	Ø 0.37	Ø .041
H -	Ø 0.58	Ø .023	Ø 0.62	Ø .024
I -	1.40	.055	1.50	.059

FEMALE :



LTR.	Millimeters / Inches			
	MINIMUM		MAXIMUM	
A -	Ø 1.90	Ø .075	Ø 2.00	Ø .079
B -	Ø 2.90	Ø .114	Ø 3.05	Ø .120
C -	Ø 2.50	Ø .098	Ø 2.60	Ø .103
D -	1.50	.059	1.70	.067
E -	3.20	.126	3.40	.134
F -	Ø 0.58	Ø .023	Ø 0.62	Ø .024
G -	Ø 0.33	Ø .013	Ø 0.43	Ø .017
H -	Ø 0.70	Ø .027	Ø 0.80	Ø .031
I -	3.20	.126	3.40	.134



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)	Gold plating
Insulator	PTFE	None
Crimp ferrule	Annealed copper	Same as body

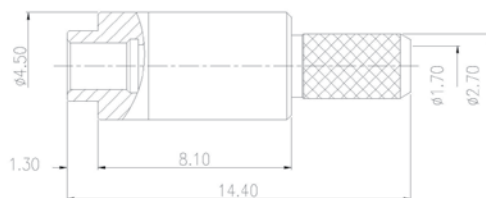
Electrical :

Nominal impedance	50Ω
Frequency up to	6.0 GHz
VSWR	1.20 max.@3GHz
Working voltage	100 Volts rms.
Dielectric withstanding voltage	250 Volts rms.
Insulation resistance	500 MΩ min.
Contact resistance	center conductor 5.0 mΩ initial outer conductor 3.0 mΩ initial

Mechanical & Environmental :

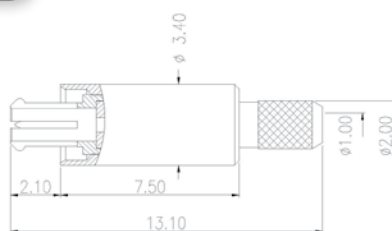
Mating	Snap on coupling
Durability	≥ 500 cycles
Engagement force	2.5 kgf max.
Disengagement force	0.3 kgf min.
Temperature range	-55 °C to +155 °C
Vibration	Per MIL-STD-202 Method 204 Test Condition D
Corrosion	Per MIL-STD-202 Method 101 Test Condition B

Straight Jack(female)



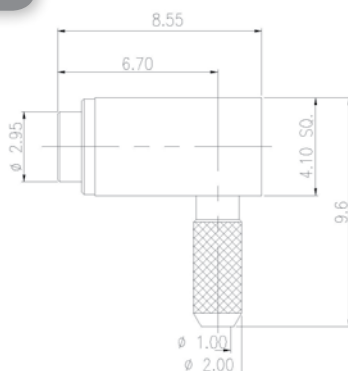
Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
23-230C0-B	50	Nickel	Bulk	1.30 mini coaxial	Standard
23-230B0-B	50	Nickel	Bulk	1.5D-2V	Standard
23-230D0-B	50	Nickel	Bulk	RG-178 B/U;RG-196 A/U	Standard

Straight Plug(male)



Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
23-130D0-B	50	Nickel	Bulk	1.30 mini coaxial	Standard
23-130B0-B	50	Nickel	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Standard
23-130A0-B	50	Nickel	Bulk	RG-178 B/U;RG-196 A/U	Standard

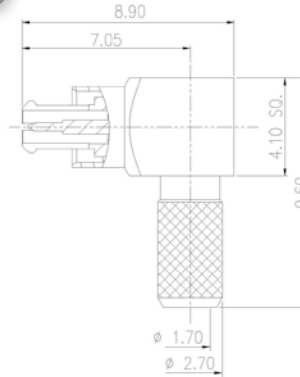
Right Angle Jack(female)



Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
23-209E0-B	50	Nickel	Bulk	RG-178 B/U;RG-196 A/U	Standard



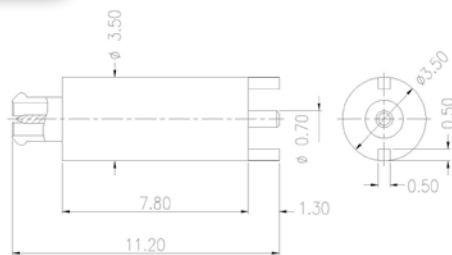
Right Angle Plug(male)



A liner P/N	Impedance	Plating	Packaging	Cable Type	Note
23-109EC-B	50	Nickel	Bulk	1.13 mini coaxial	Standard
23-109FF-B	50	Nickel	Bulk	1.27 mini coaxial	Standard
23-109ED-B	50	Nickel	Bulk	1.30 mini coaxial	Standard
23-109G0-B	50	Nickel	Bulk	1.37 mini coaxial	Standard
23-109AA-B	50	Nickel	Bulk	Filotex 296769	Standard
23-109CB-B	50	Nickel	Bulk	LMR-100	Standard
23-109CA-B	50	Nickel	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Standard
23-109EF-B	50	Nickel	Bulk	RG-178 B/U;RG-196 A/U	Standard

Straight Plug(male)

PCB MOUNT



Aliner P/N

Impedance

Plating

Packaging

Mounting Pattern

Note

23-102A0-T

50

Gold

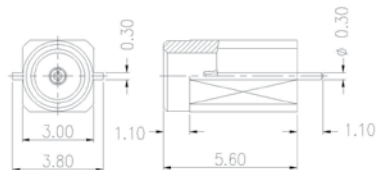
Tray

B68

Standard

Straight Jack(female)

SMD



Aliner P/N

Impedance

Plating

Packaging

Mounting Pattern

Note

23-006C0-T

50

Tin

Tray

B69

Standard

23-006AG-R

50

Gold

Reel

B69

Standard

23-006A0-R

50

Nickel

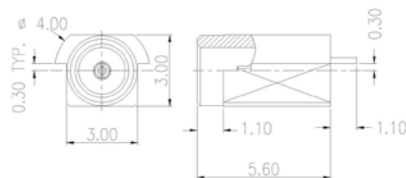
Reel

B69

Standard

Straight Jack(female)

SMD



Aliner P/N

Impedance

Plating

Packaging

Mounting Pattern

Note

23-006B0-R

50

Tin

Reel

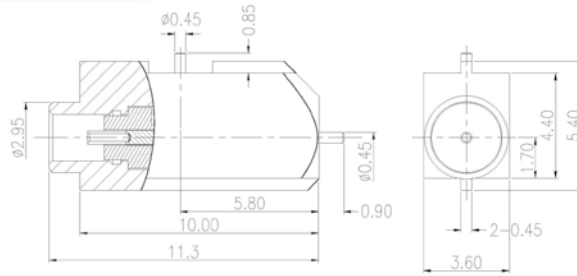
B74

Standard



Straight Jack(female)

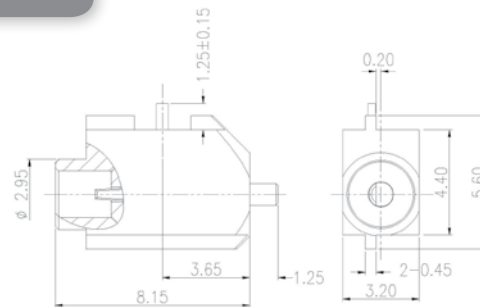
PCB EDGE MOUNT



A liner P/N	Impedance	Plating	Packaging	Mounting Pattern	Note
23-301A0-R	50	Gold	Reel	B75	Standard

Straight Jack(female)

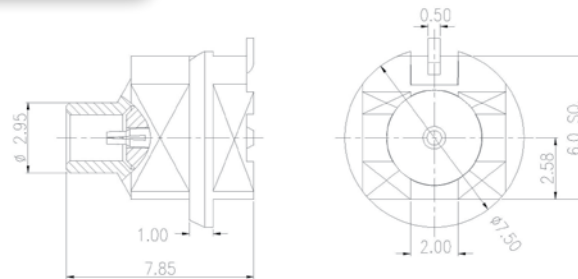
PCB EDGE MOUNT



A liner P/N	Impedance	Plating	Packaging	Mounting Pattern	Note
23-302B0-R	50	Gold	Reel	B76	Standard

Straight Jack(female)

PCB VERTICAL MOUNT



A liner P/N	Impedance	Plating	Packaging	Mounting Pattern	Note
23-403A0-T	50	Gold	Tray	B77	Standard
23-403AA-R	50	Gold	Reel	B77	Standard



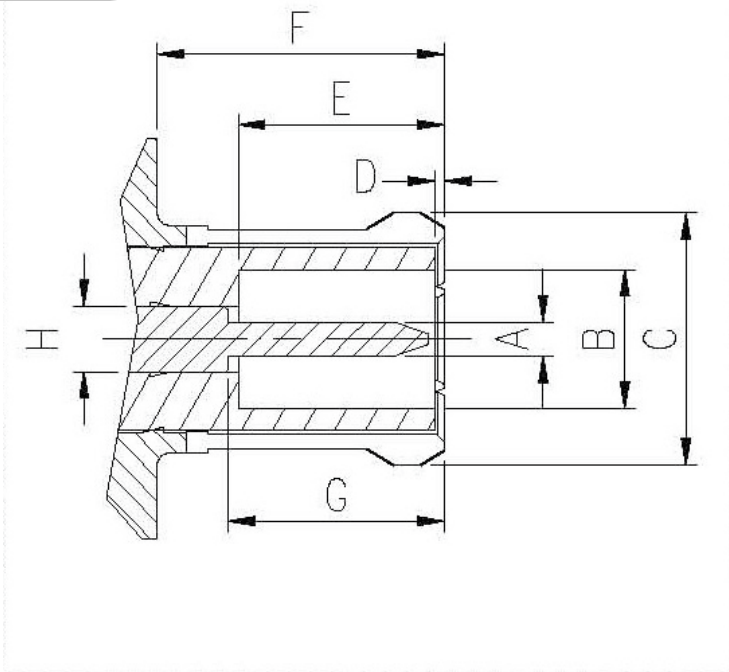
MCX

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.

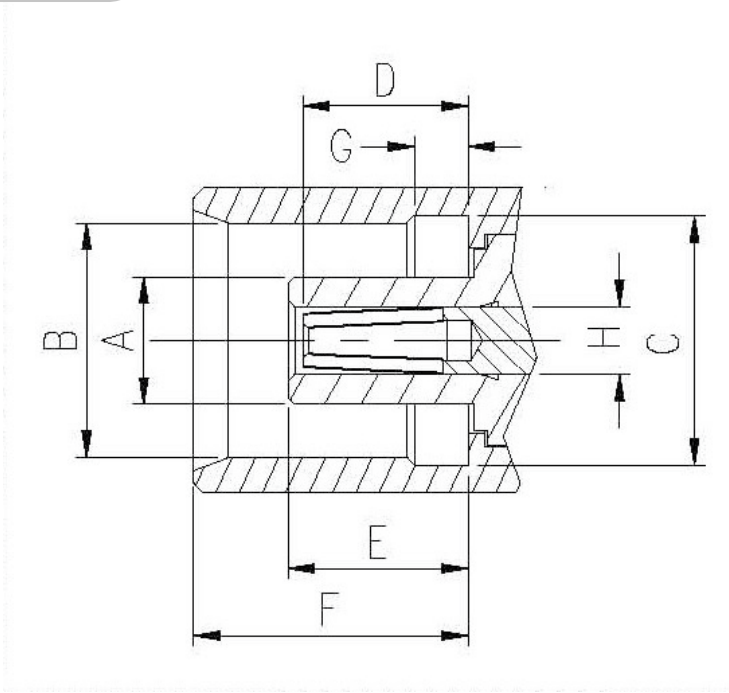
Interface Mating Dimensions

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 :

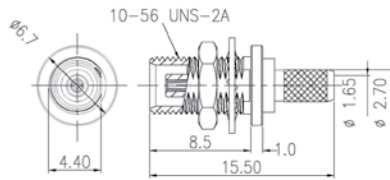
Nominal impedance	50 Ω
Frequency up to	6 GHz
VSWR	1.30 max. straight connector
Working voltage	250 Volts rms.
Dielectric withstanding voltage	500 Volts rms.
Insulation resistance	1000 M Ω min.
Contact resistance	center conductor 5.0 m Ω outer conductor 3.0 m Ω

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

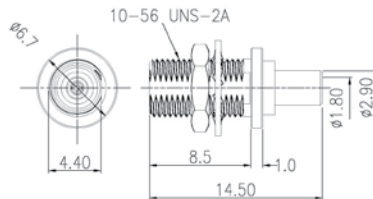


Straight Bulkhead Jack(female)



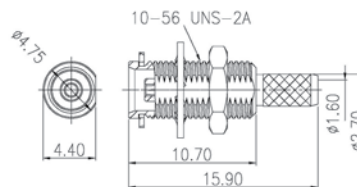
Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
36-101B1-B	50	Gold	Bulk	RD-316	Standard
36-101B0-B	50	Gold	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Standard
36-101BC-B	50	Gold	Bulk	RG-178 B/U;RG-196 A/U	Standard

Straight Bulkhead Jack(female)



Aliner 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

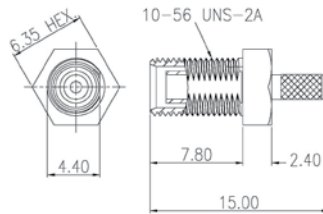
Straight Bulkhead Jack(female)



Aliner 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

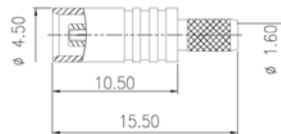


Straight Bulkhead Jack(female)



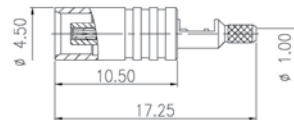
Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
36-103AR-B	50	Gold	Bulk	RG-178 B/U;RG-196 A/U	Reverse Polarity

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

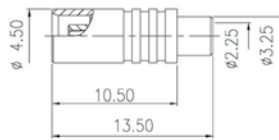
Straight Jack(female)



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

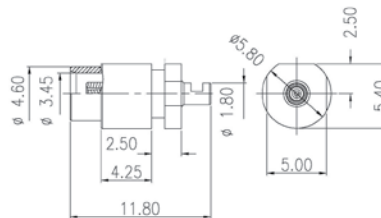


Straight Jack(female)



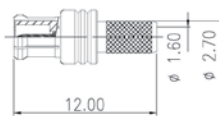
Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
36-101F0-B	50	Gold	Bulk	.085 semi-rigid	Standard

Straight Jack(female)



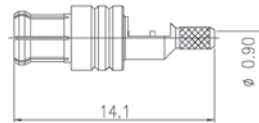
Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
36-104A0-B	50	Gold	Bulk	1.13 mini coaxial	Standard

Straight Plug(male)



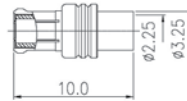
Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
36-130AB-B	50	Gold	Bulk	1.5D-2V	Standard
36-130AF-B	50	Gold	Bulk	Filotex 296769	Standard
36-130A1-B	50	Gold	Bulk	RD-316	Standard
36-130AS-B	50	Silver	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Standard
36-130AC-B	50	Nickel	Bulk	RG-174/U;RG-188 A/U;RG-316/U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



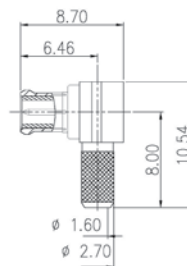
Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
36-130CN-B	50	Nickel	Bulk	1.37 mini coaxial	Standard
36-130C0-B	50	Gold	Bulk	1.37 mini coaxial	Standard
36-130D0-B	50	Nickel	Bulk	RG-178 B/U;RG-196 A/U	Standard
36-130DR-B	50	Nickel	Bulk	RG-178 B/U;RG-196 A/U	Reverse Polarity
36-130CA-B	50	Gold	Bulk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

Straight Plug(male)



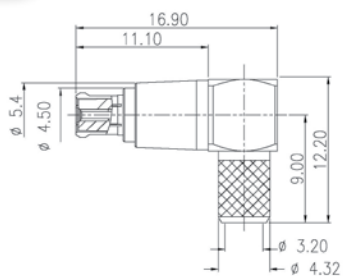
Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
36-202A0-B	50	Gold	Bulk	.085 semi-rigid	Standard
36-201A0-B	50	Gold	Bulk	.141 semi-rigid	Standard

Right Angle Plug(male)



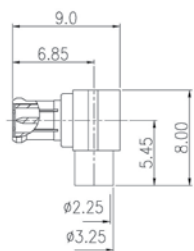
Aliner P/N	Impedance	Plating	Packaging	Mounting Pattern & Cable Type	Note
36-109AS-B	50	Gold	Bulk	1.32 mini coaxial	Standard
36-109AD-B	50	Gold	Bulk	RD-316	Standard
36-109AR-B	50	Gold	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Reverse Polarity
36-109A0-B	50	Gold	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Standard
36-109B0-B	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

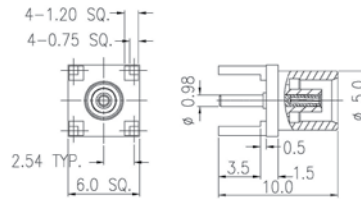
Right Angle Plug(male)



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)

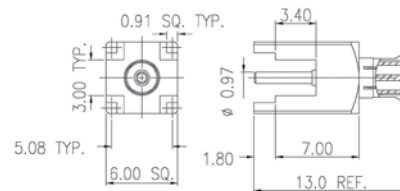
PCB MOUNT



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)

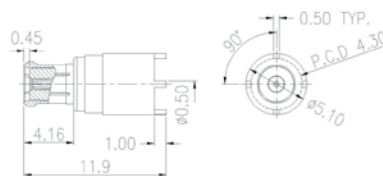
PCB MOUNT



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

Straight Plug(male)

PCB MOUNT

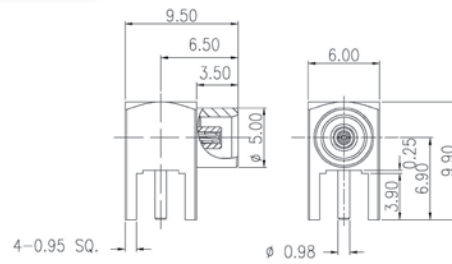


Aliner P/N	Impedance	Plating	Packaging	Mounting Pattern	Note
36-102EB-B	50	Gold	Bulk	B29	Standard
36-102EA-T	50	Gold	Tray	B29	Reverse Polarity
36-102EA-B	50	Gold	Bulk	B29	Reverse Polarity



Right Angle Jack(female)

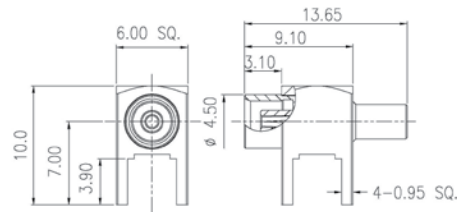
PCB MOUNT



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

Right Angle Jack (female)

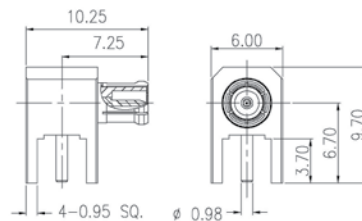
PCB MOUNT & CABLE



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)

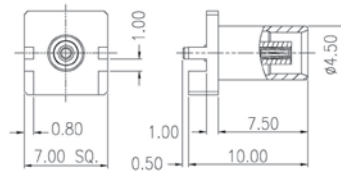
PCB MOUNT



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)

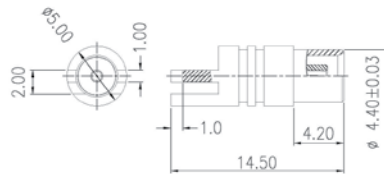
PCB EDGE MOUNT



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)

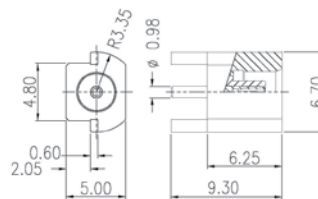
PCB EDGE MOUNT



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

Straight Jack(female)

PCB EDGE MOUNT

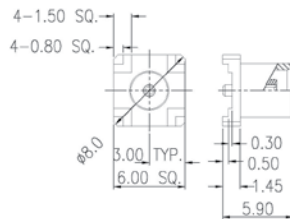


Aliner P/N	Impedance	Plating	Packaging	Mounting Pattern	Note
36-006B0-B	50	Gold	Bulk	B60	Standard
36-006B0-R	50	Gold	Reel	B60	Standard
36-006B1-B	75	Gold	Bulk	B60	Standard



Straight Jack(female)

SMD

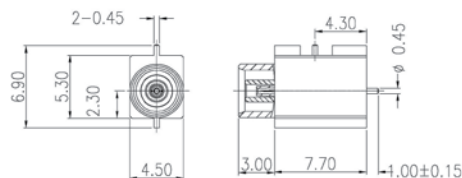


Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
36-001T0-B	50	Tin	Bulk	B28	Standard
36-001TA-T	50	Gold	Tray	B28	Standard
36-001TD-R	75	Gold	Reel	B28	Standard
36-001TD-T	75	Gold	Tray	B28	Standard



Straight Jack(female)

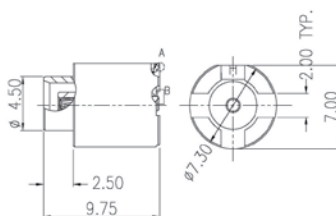
PCB EDGE MOUNT



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



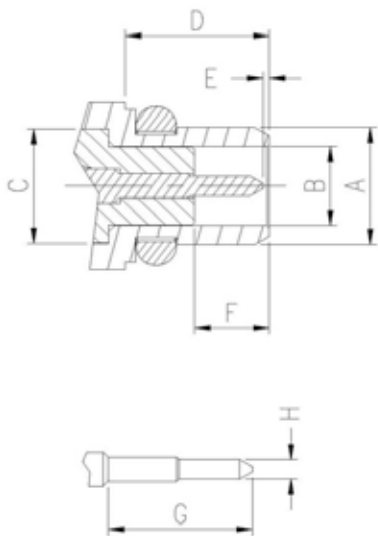
MMCX

MMCX - Description

Aliner MMCX connectors were developed for applications which require smallest dimensions. Aliner 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.

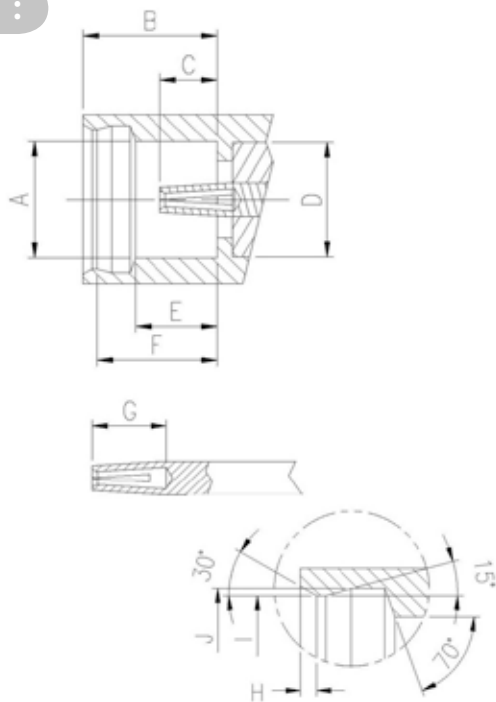
Interface Mating Dimensions

MALE :

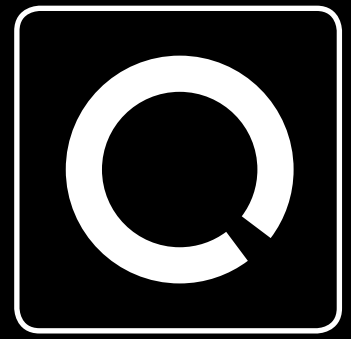


LTR.	Millimeters / Inches			
	MINIMUM		MAXIMUM	
A -			Ø 2.39	Ø .094
B -	Ø 1.57	Ø .062	Ø 1.63	Ø .064
C -	Ø 2.31	Ø .091	Ø 2.36	Ø .092
D -	2.69	.106		
E -	0.00	.000	0.25	.100
F -	1.25	.049		
G -			3.15	.124
H -	0.38	.015	0.43	.017

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

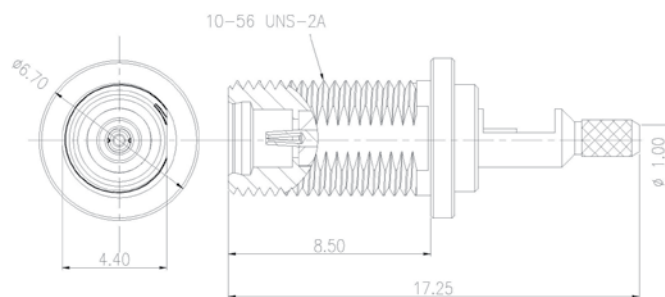
Electrical :

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 :

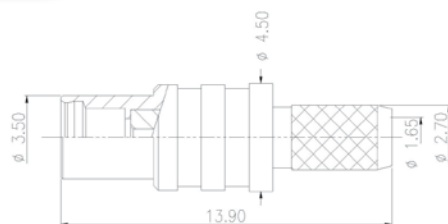
Mating	Snap on coupling
Cable retention	3.0 kgf typical
Engage force	2.0 kgf max.
Disengage force	0.5 kgf min.
Durability	$\geq$ 500 cycles
Temperature range	-55 $^{\circ}$ C to +155 $^{\circ}$ C
Vibration	Per MIL-STD-202 Method 204 Test Condition D
Corrosion	Per MIL-STD-202 Method 101 Test Condition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

Bulkhead Jack(female)



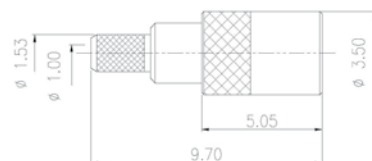
A liner P/N	Impedance	Plating	Packaging	Cable Type	Note
25-121DD-B	50	Gold	Bulk	1.13 mini coaxial	Standard
25-121DA-B	50	Gold	Bulk	RG-178 B/U;RG-196 A/U	Standard

Straight Jack(female)



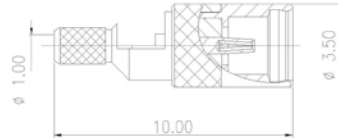
A liner P/N	Impedance	Plating	Packaging	Cable Type	Note
25-121B0-B	50	Gold	Bulk	1.32 mini coaxial	Standard
25-121A0-B	50	Gold	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Standard
25-121AR-B	50	Gold	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Reverse Polarity
25-121C0-B	50	Gold	Bulk	RG-178 B/U;RG-196 A/U	Standard

Straight Jack(female)



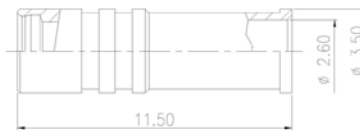
A liner P/N	Impedance	Plating	Packaging	Cable Type	Note
25-122C0-B	50	Gold	Bulk	1.13 mini coaxial	Standard
25-122CD-B	50	Gold	Bulk	1.37 mini coaxial	Standard

Straight Jack(female)



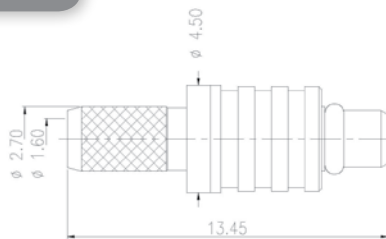
A liner P/N	Impedance	Plating	Packaging	Cable Type	Note
25-122A0-B	50	Gold	Bulk	1.13 mini coaxial	Standard
25-122AR-B	50	Gold	Bulk	1.13 mini coaxial	Reverse Polarity
25-122B0-B	50	Gold	Bulk	1.37 mini coaxial	Standard
25-122BA-B	50	Gold	Bulk	RG-178 B/U;RG-196 A/U	Standard

Straight Jack(female)



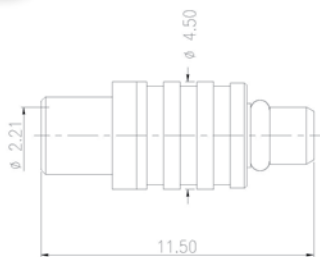
A liner P/N	Impedance	Plating	Packaging	Cable Type	Note
25-123C0-B	50	Gold	Bulk	1.32 mini coaxial	Standard
25-123A0-B	50	Gold	Bulk	RG-178 B/U;RG-196 A/U	Standard

Straight Plug(male)



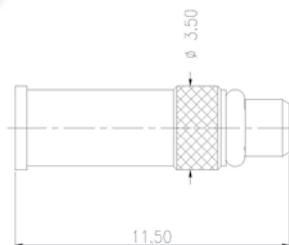
A liner P/N	Impedance	Plating	Packaging	Cable Type	Note
25-301A1-B	50	Gold	Bulk	1.5D-2V	Standard
25-301AA-B	50	Gold	Bulk	RD-316	Standard
25-301A2-B	50	Gold	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Standard
25-301AR-B	50	Gold	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Reverse Polarity
25-301CR-B	50	Gold	Bulk	RG-178 B/U;RG-196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

Straight Plug(male)



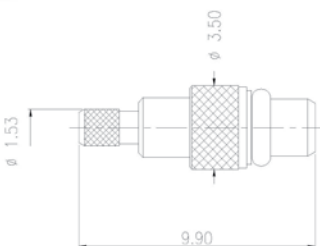
Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
25-301D0-B	50	Gold	Bulk	.085 semi-rigid	Standard

Straight Plug(male)



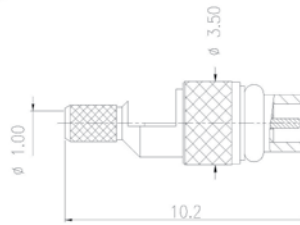
Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
25-303C0-B	50	Gold	Bulk	1.20 mini coaxial	Standard
25-303A0-B	50	Gold	Bulk	RG-178 B/U;RG-196 A/U	Standard

Straight Plug(male)



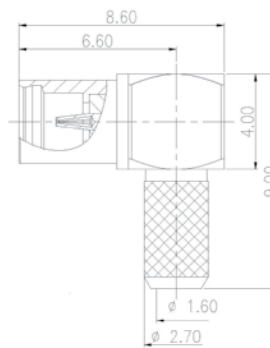
Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
25-304C0-B	50	Gold	Bulk	1.13 mini coaxial	Standard
25-304CD-B	50	Gold	Bulk	1.37 mini coaxial	Standard

Straight Plug(male)



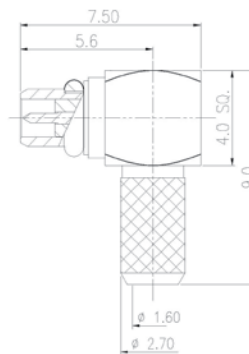
Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
25-304A0-B	50	Gold	Bulk	1.13 mini coaxial	Standard
25-304B0-B	50	Gold	Bulk	1.37 mini coaxial	Standard
25-304BA-B	50	Gold	Bulk	RG-178 B/U;RG-196 A/U	Standard

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

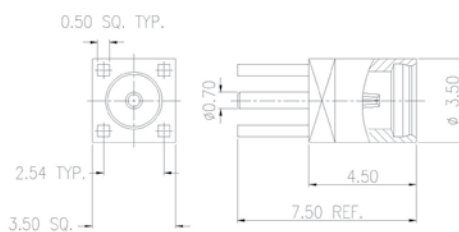
Right Angle Plug(male)



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)

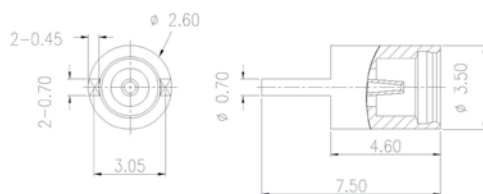
PCB MOUNT



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)

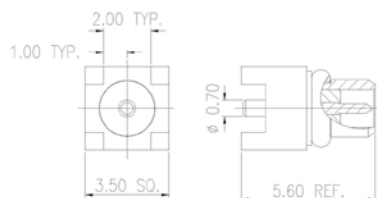
PCB MOUNT



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

Straight Plug(male)

PCB MOUNT

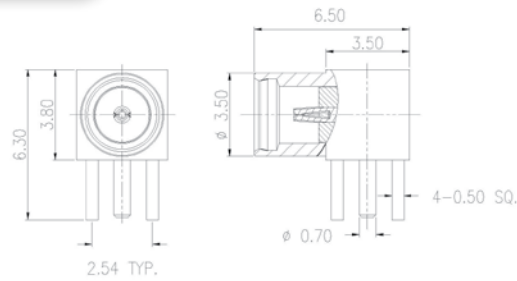


Aliner P/N	Impedance	Plating	Packaging	Mounting Pattern	Note
25-020B0-B	50	Gold	Bulk	B09	Standard
25-020BA-B	50	Gold	Bulk	B09	Standard



Right Angle Jack(female)

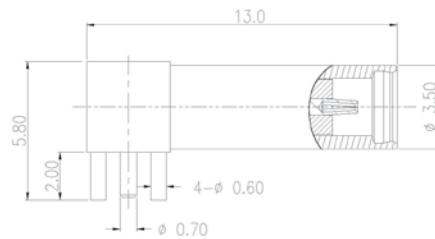
PCB MOUNT



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)

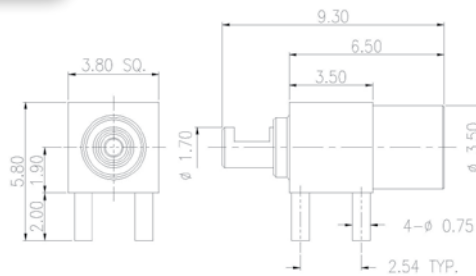
PCB MOUNT



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

Right Angle Jack(female)

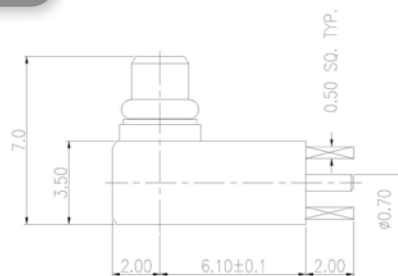
PCB MOUNT & CABLE



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)

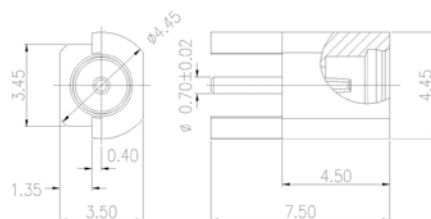
PCB MOUNT



Aliner P/N	Impedance	Plating	Packaging	Mounting Pattern	Note
25-109M0-T	50	Gold	Tray	B06	Standard

Straight Jack(female)

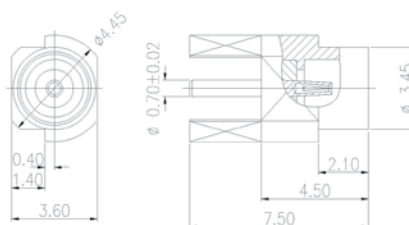
PCB EDGE MOUNT



Aliner P/N	Impedance	Plating	Packaging	Mounting Pattern	Note
25-006A0-R	50	Gold	Reel	B45	Standard
25-006A0-T	50	Gold	Tray	B45	Standard
25-006C0-T	50	Gold	Tray	B35	Standard

Straight Jack(female)

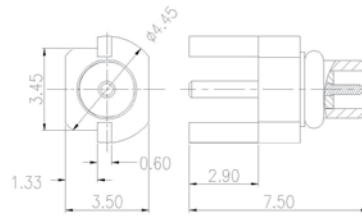
PCB EDGE MOUNT



Aliner P/N	Impedance	Plating	Packaging	Mounting Pattern	Note
25-006E0-R	50	Gold	Reel	B44	Standard
25-006E0-T	50	Gold	Tray	B44	Standard

Straight Plug(male)

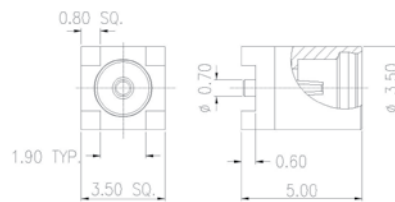
PCB EDGE MOUNT



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)

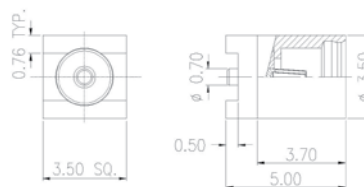
SMD



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)

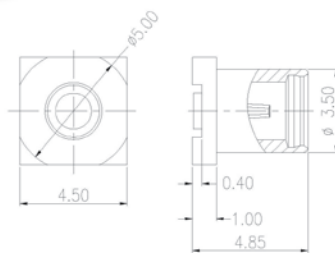
SMD



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)

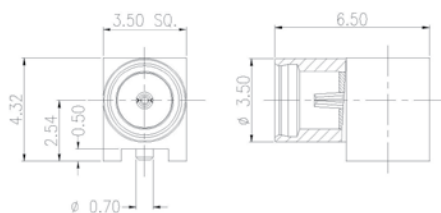
SMD



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

Right Angle Jack(female)

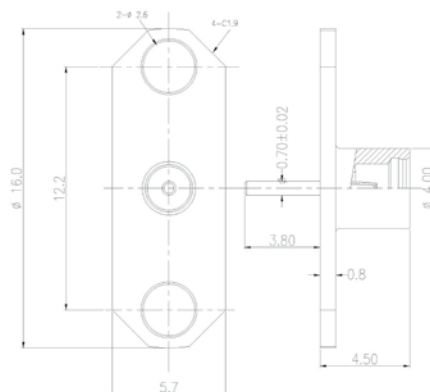
SMD



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

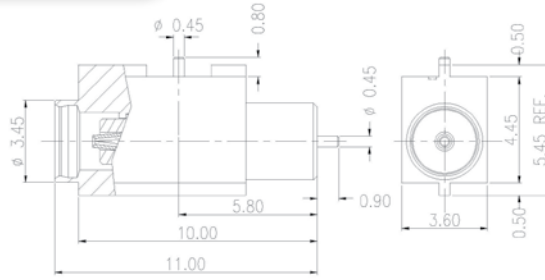
Straight Jack(female)



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

Straight Jack(female)

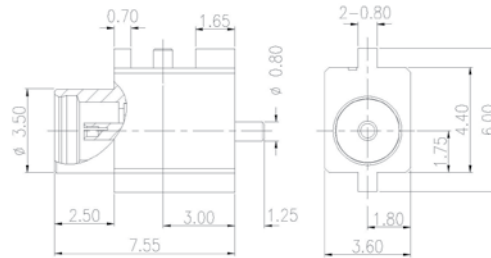
PCB EDGE MOUNT



A liner 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)

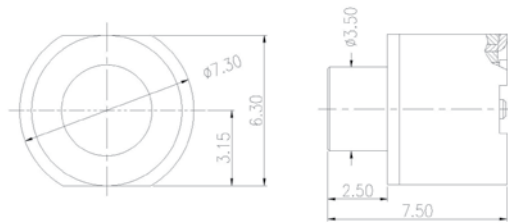
PCB EDGE MOUNT



A liner 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



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

A

CG

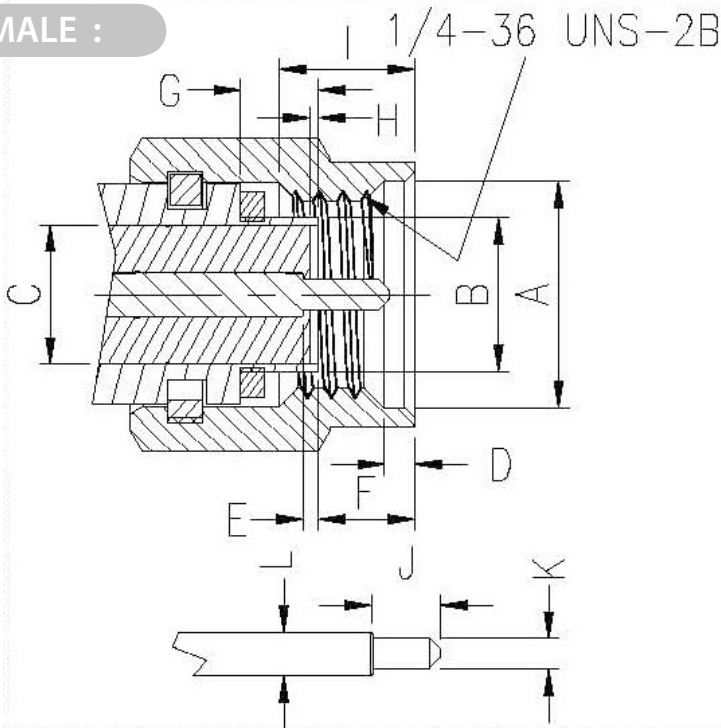
SMA

SMA - Description

Aliner SMA connectors are precision connectors for microwave application up to 18 GHz and higher. The high mechanical strength, high durability and low VSWR indicate the characters. Together with semi-rigid cable, hi-grade lines can be installed. SMA receptacles (launchers) are used to provide transition to coax from stripline or microstrip on PCB.

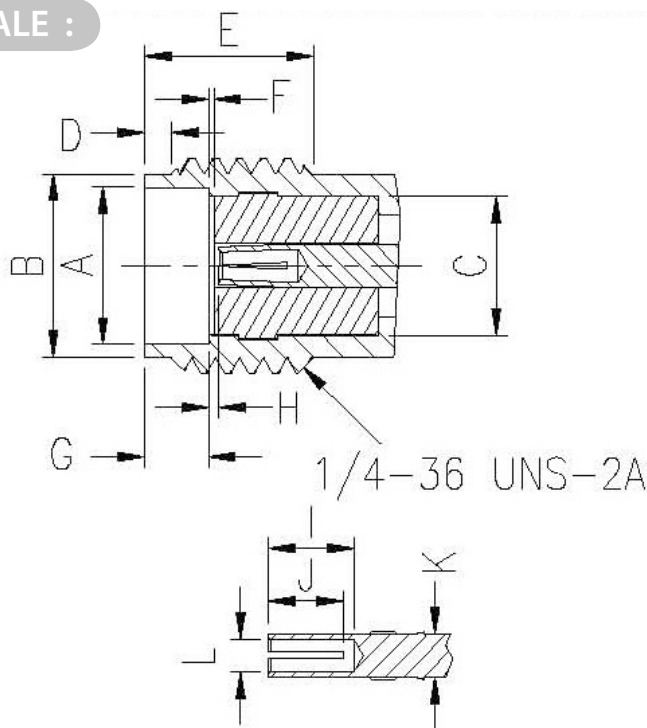
Interface Mating Dimensions

MALE :



LTR.	Millimeters / Inches			
	MINIMUM		MAXIMUM	
A -	Ø 6.48	Ø .255	Ø 6.73	Ø .265
B -	Ø 4.34	Ø .171	Ø 4.59	Ø .181
C -	Ø 4.10	Ø .162	Ø 4.15	Ø .163
D -	0.64	.025	1.14	.045
E -	0.00	.000	0.25	.010
F -	2.59	.102	3.35	.132
G -	2.03	.080		
H -	0.00	.000	0.25	.010
I -	3.71	.146	4.32	.170
J -	2.03	.080	2.29	.090
K -	Ø 0.90	Ø .036	Ø 0.93	Ø .037
L -	Ø 1.25	Ø .049	Ø 1.29	Ø .051

FEMALE :



LTR.	Millimeters / Inches			
	MINIMUM		MAXIMUM	
A -	Ø 4.60	Ø .181	Ø 4.67	Ø .184
B -	Ø 5.28	Ø .208	Ø 5.49	Ø .216
C -	Ø 4.10	Ø .162	Ø 4.15	Ø .163
D -	0.38	.015	1.14	.045
E -	3.81	.150		
F -	0.00	.000	0.25	.010
G -	1.88	.074	1.98	.078
H -	0.00	.000	0.25	.010
I -	2.54	.100		
J -	1.91	.075	2.41	.095
K -	Ø 1.25	Ø .049	Ø 1.29	Ø .051
L -	Ø 0.94	Ø .037	Ø 0.99	Ø .039



Technical Data

Material / Finish :

	Material	Finish
Connector body	Brass per (QQ-B-626 or JIS-C3604B) Zinc alloy (Zinc 5)	Nickel or gold plating
	Stainless steel per (QQ-S-764 class 303)	Passivated
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)	Gold plating
Insulator	PTFE	None
Crimp ferrule	Annealed copper	Same as body
Gasket	Silicone rubber	None

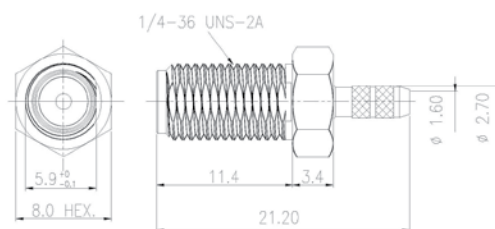
Electrical :

Nominal impedance	50 Ω
Frequency up to	12.4 GHz flexible cable, 18 GHz semi-rigid cable
VSWR	1.15 + 0.02 x f GHz for straight connector typical 1.25 + 0.025 x f GHz for right angle connector typical
Working voltage	335 Volts rms.
Dielectric withstanding voltage	500 Volts rms.
Insulation resistance	5000 M Ω min.
Contact resistance	center conductor 3.0 m Ω outer conductor 2.0 m Ω

Mechanical & Environmental :

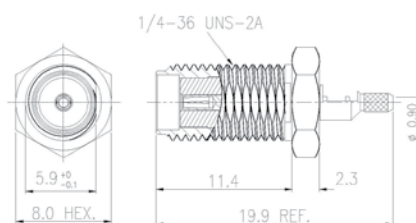
Mating	1/4"-36 UNS thread coupling
Cable retention	6 kgf typical
Durability	$\geq$ 500 cycles
Coupling nut retention	$\geq$ 18 kgf
Temperature range	-55 °C to 1+55°C
Vibration	Per MIL-STD-202 Method 204 Test Condition D
Corrosion	Per MIL-STD-202 Method 101 Test Condition B

Bulkhead Jack(female)



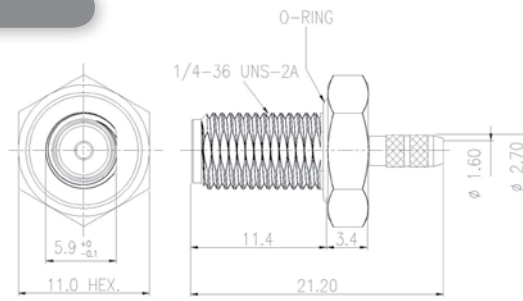
Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
20-130BH-B	50	Gold	Bulk	Belden H155	Standard
20-130AE-B	50	Gold	Bulk	Filotex 296769	Standard
20-130AF-B	50	Gold	Bulk	Filotex 296769	Reverse Polarity
20-130AD-B	50	Gold	Bulk	RD-316	Standard
20-130BS-B	50	Passivation	Bulk	RD-316	Standard
20-130AW-B	50	Nickel	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Standard
20-130AV-B	50	Gold	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Standard
20-130RV-B	50	Gold	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Reverse Polarity
20-130AS-B	50	Gold	Bulk	RG-58 C/U;RG-303/U	Standard
20-130AR-B	50	Gold	Bulk	RG-58 C/U;RG-303/U	Reverse Polarity
20-130T0-B	50	Gold	Bulk	TZC-500-25	Standard

Bulkhead Jack(female)



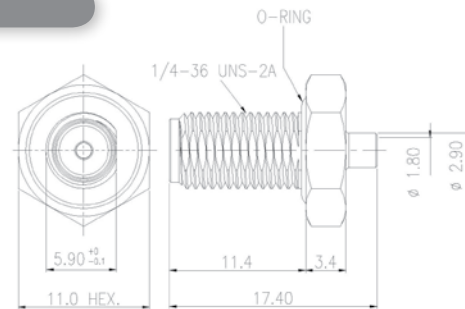
Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
20-130AB-B	50	Gold	Bulk	1.13 mini coaxial	Standard
20-130AM-B	50	Nickel	Bulk	1.13 mini coaxial	Standard
20-131AR-B	50	Gold	Bulk	1.13 mini coaxial	Reverse Polarity
20-130AA-B	50	Gold	Bulk	1.37 mini coaxial	Standard
20-130AN-B	50	Nickel	Bulk	1.37 mini coaxial	Standard
20-130AC-B	50	Gold	Bulk	RG-178 B/U;RG-196 A/U	Standard
20-132AR-B	50	Gold	Bulk	RG-178 B/U;RG-196 A/U	Reverse Polarity

Bulkhead Jack(female)



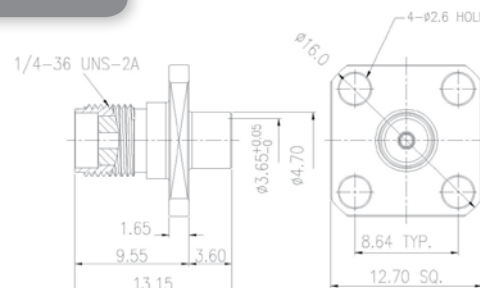
Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
20-130DV-B	50	Nickel	Bulk	RD-316	Standard
20-130NV-B	50	Nickel	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Standard
20-130BV-B	50	Gold	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Standard
20-130EV-B	50	Gold	Bulk	RG-178 B/U;RG-196 A/U	Standard

Bulkhead Jack(female)



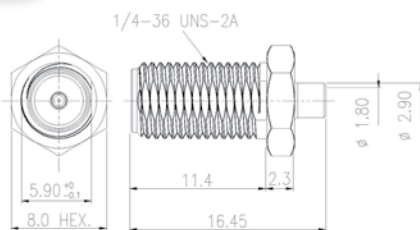
Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
20-130BY-B	50	Gold	Bulk	1.37 mini coaxial	Standard
20-130BR-B	50	Gold	Bulk	1.37 mini coaxial	Reverse Polarity
20-130BA-B	50	Gold	Bulk	1.48 mini coaxial	Standard
20-130BB-B	50	Gold	Bulk	.085 semi-rigid	Standard

Straight Jack(female)



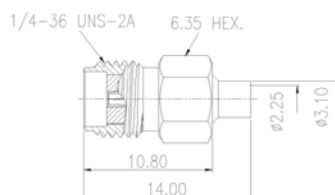
Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
20-231A0-B	50	Gold	Bulk	.085 semi-rigid	Standard
20-102AA-B	50	Gold	Bulk	.141 semi-rigid	Standard

Bulkhead Jack(female)



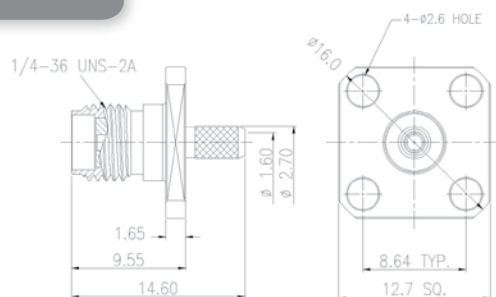
Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
20-136AB-B	50	Gold	Bulk	0.81 mini coaxial	Standard
20-136AA-B	50	Gold	Bulk	1.13 mini coaxial	Standard
20-136RE-B	50	Nickel	Bulk	1.13 mini coaxial	Reverse Polarity
20-136RD-B	50	Gold	Bulk	1.13 mini coaxial	Reverse Polarity
20-136A0-B	50	Gold	Bulk	1.37 mini coaxial	Standard
20-136AD-B	50	Nickel	Bulk	1.37 mini coaxial	Standard
20-136RF-B	50	Nickel	Bulk	1.37 mini coaxial	Reverse Polarity
20-136AE-B	50	Gold	Bulk	1.48 mini coaxial	Standard
20-130C0-B	50	Gold	Bulk	RG-178 B/U;RG-196 A/U	Standard
20-130CR-B	50	Gold	Bulk	RG-178 B/U;RG-196 A/U	Reverse Polarity
20-230C0-B	50	Gold	Bulk	.085 semi-rigid	Standard

Straight Jack(female)



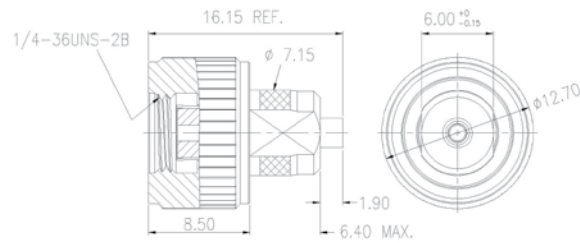
Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
20-212BA-B	50	Gold	Bulk	.085 semi-rigid	Standard

Straight Jack(female)



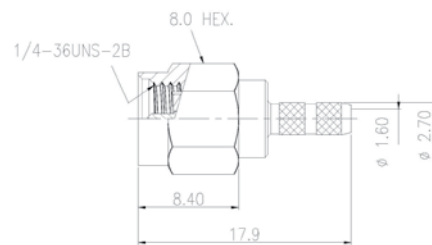
Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
20-112A0-B	50	Gold	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Standard
20-112AR-B	50	Gold	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Reverse Polarity

Straight Plug(male)



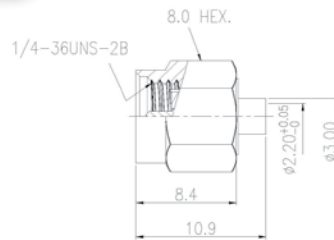
Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
20-003RV-T	50	Nickel	Tray	RG-178 B/U; RG-196 A/U	Reverse Polarity
20-009AR-T	75	Nickel	Tray	RG-179 B/U; RG-187 A/U	Reverse Polarity

Straight Plug(male)



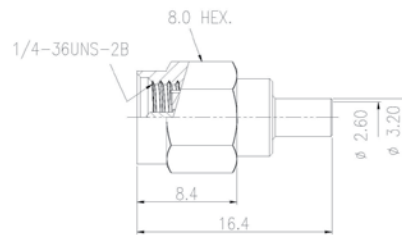
Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
20-101A1-B	50	Gold	Bulk	1.5D-2V	Standard
20-301A1-B	50	Gold	Bulk	1.5D-2V	Reverse Polarity
20-101BH-B	50	Gold	Bulk	Belden H155	Standard
20-101BR-B	50	Gold	Bulk	Belden H155	Reverse Polarity
20-101J0-B	50	Gold	Bulk	Filotex 296769	Standard
20-101JR-B	50	Gold	Bulk	Filotex 296769	Reverse Polarity
20-101KR-B	50	Gold	Bulk	LMR-200	Reverse Polarity
20-101AF-B	50	Gold	Bulk	LMR-240	Standard
20-101AD-B	50	Gold	Bulk	RD-316	Standard
20-101AS-B	50	Passivation	Bulk	RD-316	Standard
20-101A0-B	50	Gold	Bulk	RG-174/U; RG-188 A/U; RG-316/U	Standard
20-101AA-B	50	Nickel	Bulk	RG-174/U; RG-188 A/U; RG-316/U	Standard
20-301A0-B	50	Gold	Bulk	RG-174/U; RG-188 A/U; RG-316/U	Reverse Polarity
20-101CA-B	50	Gold	Bulk	RG-142 B/U; RG-223/U; RG-400/U	Standard
20-301CA-B	50	Gold	Bulk	RG-142 B/U; RG-223/U; RG-400/U	Reverse Polarity
20-101C0-B	50	Gold	Bulk	RG-58 C/U; RG-303/U	Standard
20-101N0-B	50	Nickel	Bulk	RG-58 C/U; RG-303/U	Standard
20-301C0-B	50	Gold	Bulk	RG-58 C/U; RG-303/U	Reverse Polarity
20-101T0-B	50	Gold	Bulk	TZC-500-25	Standard

Straight Plug(male)



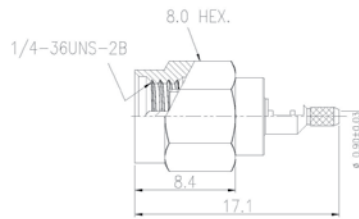
Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
20-101DB-B	50	Gold	Bulk	.047 semi-rigid	Standard
20-101D0-B	50	Gold	Bulk	.085 semi-rigid	Standard
20-101DN-B	50	Nickel	Bulk	.085 semi-rigid	Standard
20-101E0-B	50	Gold	Bulk	.141 semi-rigid	Standard
20-101EA-B	50	Gold	Bulk	SS-402	Standard
20-101DA-B	50	Gold	Bulk	SS-405	Standard

Straight Plug(male)



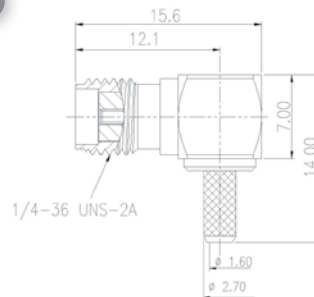
Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
20-101FB-B	50	Gold	Bulk	1.13 mini coaxial	Standard
20-101FD-B	50	Gold	Bulk	1.13 mini coaxial	Reverse Polarity
20-101FA-B	50	Gold	Bulk	1.37 mini coaxial	Standard
20-101FC-B	50	Nickel	Bulk	1.37 mini coaxial	Reverse Polarity
20-101FF-B	50	Gold	Bulk	1.37 mini coaxial	Reverse Polarity
20-101F0-B	50	Gold	Bulk	RG-178 B/U;RG-196 A/U	Standard
20-101FR-B	50	Gold	Bulk	RG-178 B/U;RG-196 A/U	Reverse Polarity

Straight Plug(male)



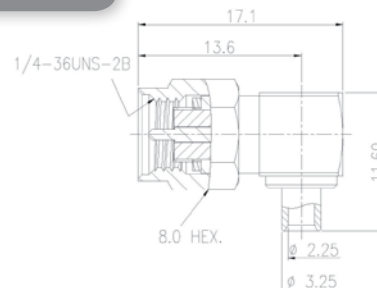
Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
20-101H0-B	50	Gold	Bulk	1.13 mini coaxial	Standard
20-101HP-B	50	Gold	Bulk	1.13 mini coaxial	Reverse Polarity
20-101HC-B	50	Gold	Bulk	1.37 mini coaxial	Standard
20-101HA-B	50	Gold	Bulk	RG-178 B/U;RG-196 A/U	Standard
20-101HR-B	50	Gold	Bulk	RG-178 B/U;RG-196 A/U	Reverse Polarity

Right Angle Jack(female)



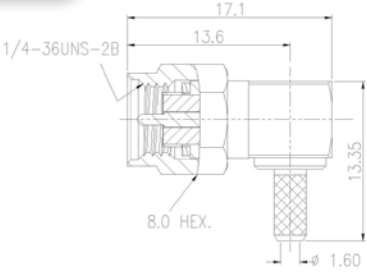
Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
20-209C0-B	50	Gold	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Standard

Right Angle Plug(male)



Aliner P/N	Impedance	Plating Body	Packaging	Cable Type	Note
20-109E0-B	50	Gold	Bulk	.085 semi-rigid	Standard
20-109EN-B	50	Nickel	Bulk	.085 semi-rigid	Standard
20-109F0-B	50	Gold	Bulk	.141 semi-rigid	Standard
20-109FR-B	50	Gold	Bulk	.141 semi-rigid	Reverse Polarity
20-109EA-B	50	Gold	Bulk	SS-405	Standard

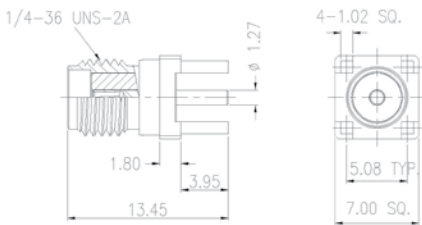
Right Angle Plug(male)



Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
20-109DA-B	50	Gold	Bulk	1.13 mini coaxial	Standard
20-109D0-B	50	Gold	Bulk	1.37 mini coaxial	Standard
20-109B2-B	50	Nickel	Bulk	1.5D-2V	Standard
20-109BA-B	50	Gold	Bulk	LMR-100	Standard
20-109BD-B	50	Gold	Bulk	RD-316	Standard
20-109BS-B	50	Passivation	Bulk	RD-316	Standard
20-109B1-B	50	Nickel	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Standard
20-109B0-B	50	Gold	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Standard
20-109BR-B	50	Gold	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Reverse Polarity
20-109EB-B	50	Gold	Bulk	RG-178 B/U;RG-196 A/U	Standard
20-109ER-B	50	Gold	Bulk	RG-178 B/U;RG-196 A/U	Reverse Polarity
20-109C0-B	50	Gold	Bulk	RG-142 B/U;RG-223/U;RG-400/U	Standard
20-109C1-B	50	Gold	Bulk	RG-58 C/U;RG-303/U	Standard
20-109CR-B	50	Gold	Bulk	RG-58 C/U;RG-303/U	Reverse Polarity

Straight Jack(female)

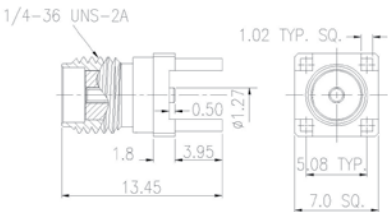
PCB MOUNT



Aliner P/N	Impedance	Plating	Packaging	Mounting Pattern	Note
20-001A0-B	50	Gold	Bulk	B24	Standard
20-001A0-T	50	Gold	Tray	B24	Standard

Straight Jack(female)

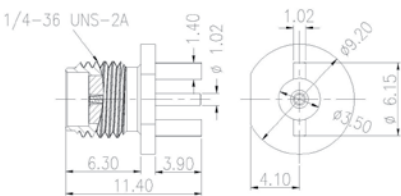
PCB MOUNT



Aliner P/N	Impedance	Plating	Packaging	Mounting Pattern	Note
20-001AB-T	50	Gold	Tray	B25	Standard

Straight Jack(female)

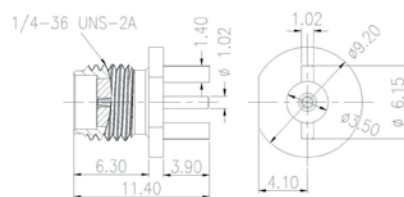
PCB MOUNT



Aliner P/N	Impedance	Plating	Packaging	Mounting Pattern	Note
20-001AD-B	50	Gold	Bulk	B27	Standard

Straight Jack(female)

PCB MOUNT



Aliner P/N

Impedance

Plating

Packaging

Mounting Pattern

Note

20-001D1-B

50

Gold

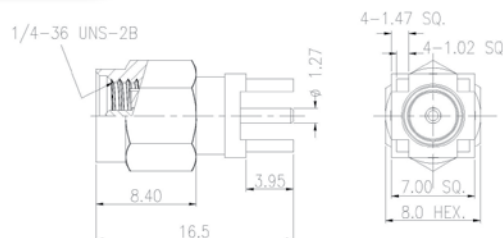
Bulk

B24

Standard

Straight Plug(male)

PCB MOUNT



Aliner P/N

Impedance

Plating

Packaging

Mounting Pattern

Note

20-401D0-T

50

Gold

Tray

B24

Standard

20-401D0-B

50

Gold

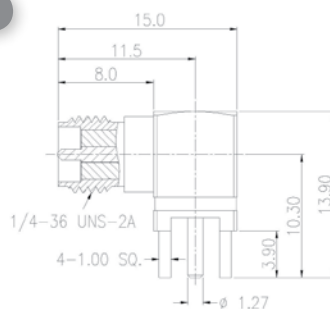
Bulk

B24

Standard

Right Angle Jack(female)

PCB MOUNT



Aliner P/N

Impedance

Plating

Packaging

Mounting Pattern

Note

20-109GA-T

50

Gold

Tray

B11

Standard

20-109GA-B

50

Gold

Bulk

B11

Standard

20-109GK-T

50

Gold

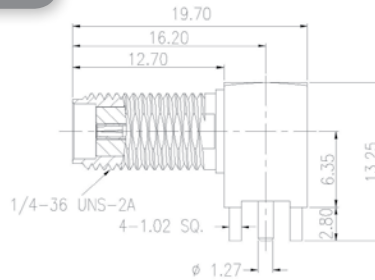
Tray

B11

Reverse Polarity

Right Angle Bulkhead Jack (female)

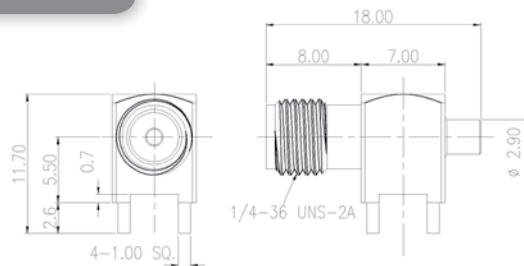
PCB MOUNT



A liner P/N	Impedance	Plating	Packaging	Mounting Pattern	Note
20-109HA-B	50	Gold	Bulk	B80	Standard
20-109HA-T	50	Gold	Tray	B80	Standard
20-109HR-B	50	Gold	Bulk	B80	Reverse Polarity

Right Angle Jack(female)

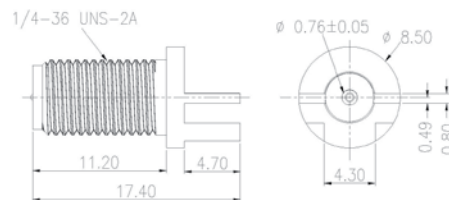
PCB MOUNT & CABLE



A liner P/N	Impedance	Plating	Packaging	Mounting Pattern & Cable Type	Note
20-114AB-B	50	Gold	Bulk	B12 & 1.13 mini coaxial	Standard
20-114AR-B	50	Gold	Bulk	B12 & 1.37 mini coaxial	Reverse Polarity
20-114AS-B	50	Gold	Bulk	B12 & 1.37 mini coaxial	Standard

Bulkhead Jack(female)

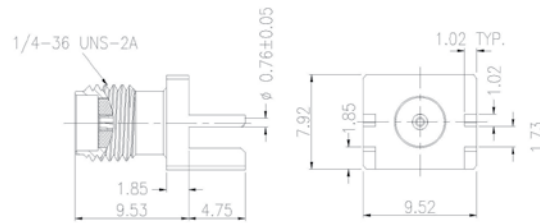
PCB EDGE MOUNT



A liner P/N	Impedance	Plating	Packaging	Mounting Pattern	Note
20-001E0-B	50	Gold	Bulk	B38	Reverse Polarity

Straight Jack(female)

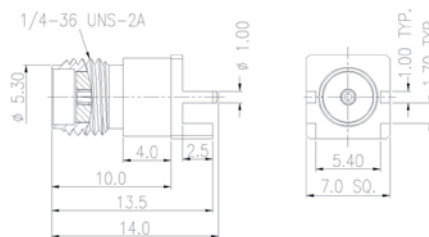
PCB EDGE MOUNT



Aliner P/N	Impedance	Plating Body	Packaging	Mounting Pattern	Note
20-001D0-B	50	Gold	Bulk	B37	Standard
20-001D0-T	50	Gold	Tray	B37	Standard

Straight Jack(female)

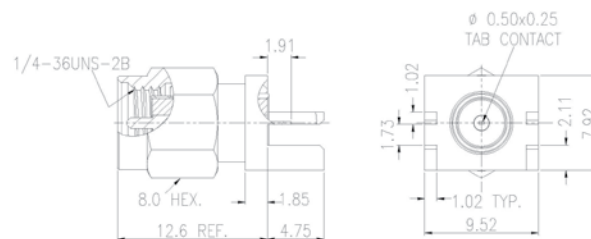
PCB EDGE MOUNT



Aliner P/N	Impedance	Plating	Packaging	Mounting Pattern	Note
20-402A0-B	50	Gold	Bulk	B39	Reverse Polarity
20-402A0-T	50	Gold	Tray	B39	Reverse Polarity
20-402D0-B	50	Gold	Bulk	B39	Standard

Straight Plug(male)

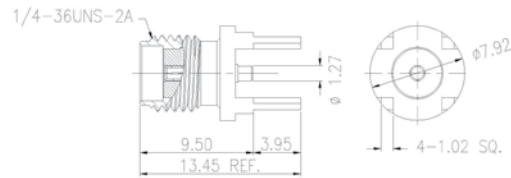
PCB EDGE MOUNT



Aliner P/N	Impedance	Plating	Packaging	Mounting Pattern	Note
20-401E0-T	50	Gold	Tray	B78	Standard
20-401EN-T	50	Nickel	Tray	B78	Standard

Straight Jack(female)

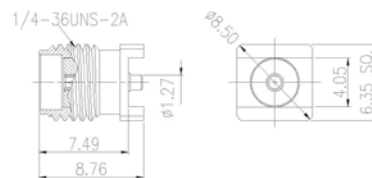
PCB MOUNT



Aliner P/N	Impedance	Plating Body	Packaging	Mounting Pattern	Note
20-001AA-B	50	Gold	Bulk	B24	Standard

Straight Jack(female)

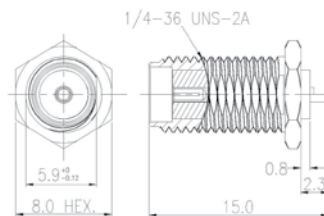
SMD



Aliner P/N	Impedance	Plating	Packaging	Mounting Pattern	Note
20-002AA-B	50	Gold	Bulk	B41	Standard

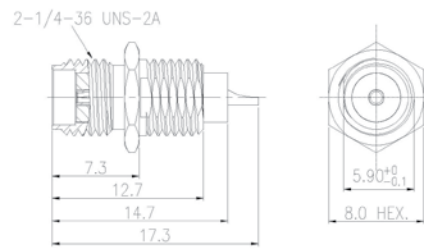
SMA PANEL MOUNT

Bulkhead Jack(female)



Aliner P/N	Impedance	Plating	Packaging	Note
20-104K0-B	50	Gold	Bulk	Standard
20-104KP-B	50	Gold	Bulk	Reverse Polarity

Bulkhead Jack(female)



Aliner P/N
20-104NV-B

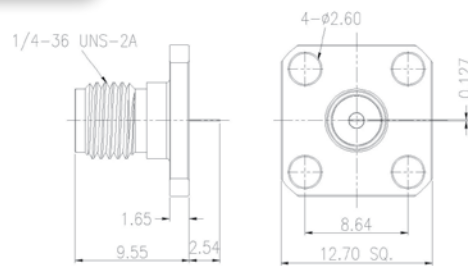
Impedance
50

Plating
Gold

Packaging
Bulk

Note
Standard

Straight Jack(female)



Aliner P/N
20-102C0-B
20-102C0-V

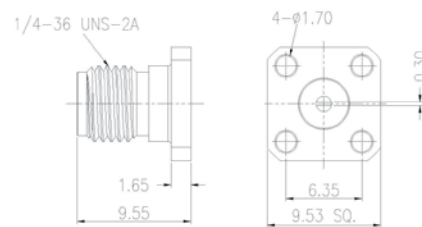
Impedance
50
50

Plating
Passivation
Passivation

Packaging
Bulk
Single

Note
Standard
Standard

Straight Jack(female)



Aliner P/N
20-102DA-B

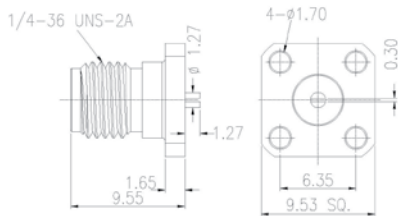
Impedance
50

Plating
Passivation

Packaging
Bulk

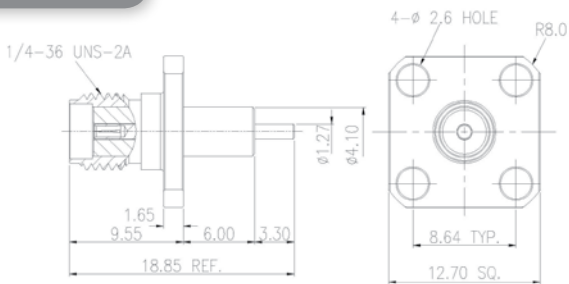
Note
Standard

Straight Jack(female)



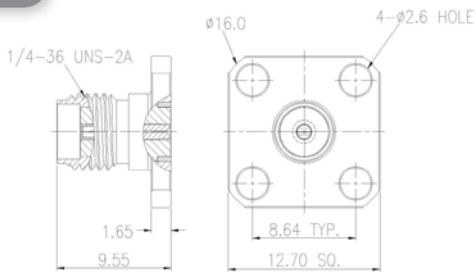
Aliner P/N	Impedance	Plating	Packaging	Note
20-102DB-B	50	Passivation	Bulk	Standard

Straight Jack(female)



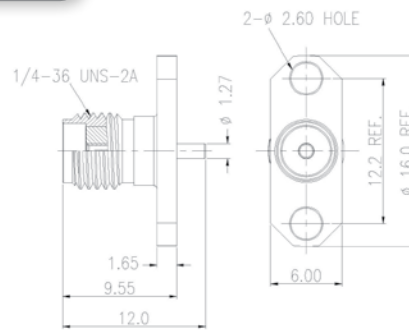
Aliner P/N	Impedance	Plating	Packaging	Note
20-102KA-B	50	Gold	Bulk	Standard

Straight Jack(female)



Aliner P/N	Impedance	Plating	Packaging	Note
20-102KG-V	50	Passivation	Single	Standard

Straight Jack(female)



A liner P/N

Impedance

Plating

Packaging

Note

20-102LB-T

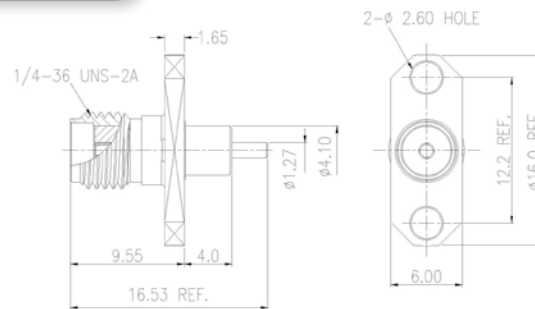
50

Gold

Tray

Standard

Straight Jack(female)



A liner P/N

Impedance

Plating

Packaging

Note

20-102LC-B

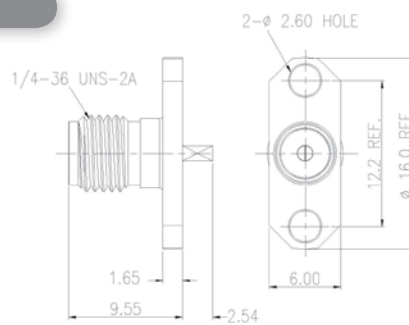
50

Gold

Bulk

Standard

Straight Jack(female)



A liner P/N

Impedance

Plating

Packaging

Note

20-102LK-B

50

Gold

Bulk

Standard

20-102LK-T

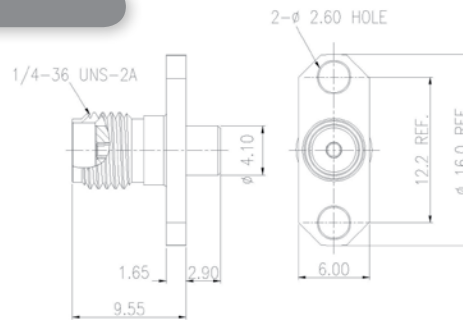
50

Gold

Tray

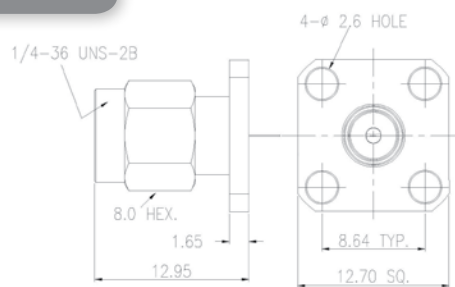
Standard

Straight Jack(female)



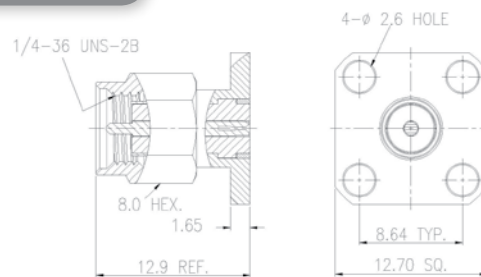
Aliner P/N	Impedance	Plating	Packaging	Note
20-102LM-B	50	Gold	Bulk	Standard

Straight Plug(male)



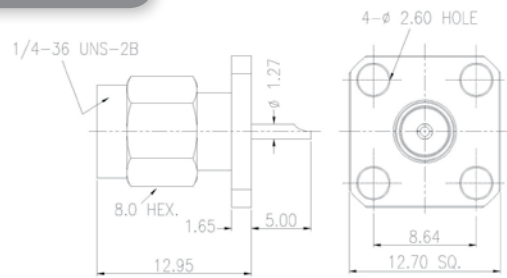
Aliner P/N	Impedance	Plating	Packaging	Note
20-103A0-B	50	Passivation	Bulk	Standard

Straight Plug(male)



Aliner P/N	Impedance	Plating	Packaging	Note
20-103AE-V	50	Passivation	Single	Standard

Straight Plug(male)



A liner P/N

20-103C0-T

Impedance

50

Plating

Gold

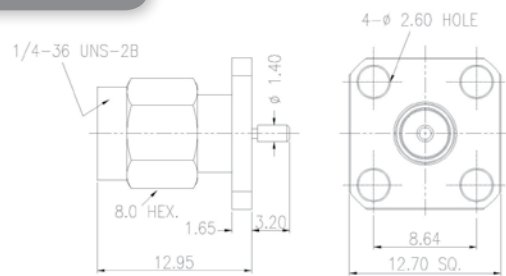
Packaging

Tray

Note

Standard

Straight Plug(male)



A liner P/N

20-103D0-T

Impedance

50

Plating

Gold

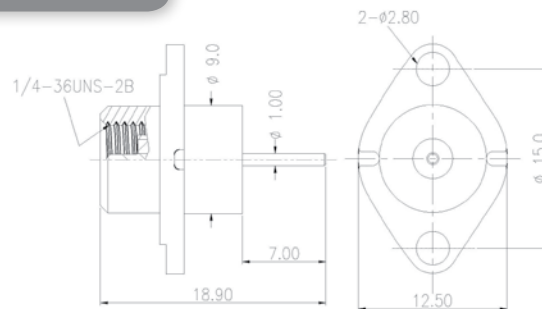
Packaging

Tray

Note

Standard

Straight Plug(male)



A liner P/N

20-202D0-T

Impedance

50

Plating

Nickel

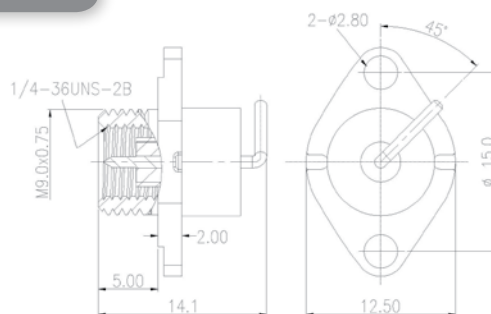
Packaging

Tray

Note

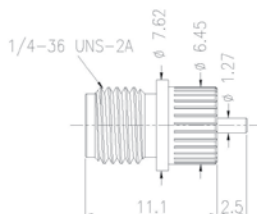
Standard

Straight Plug(male)



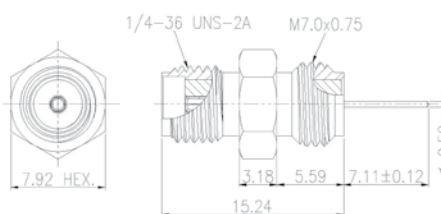
Aliner P/N	Impedance	Plating	Packaging	Note
20-203D0-T	50	Nickel	Tray	Standard

Straight Jack(female)



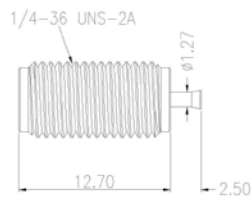
Aliner P/N	Impedance	Plating	Packaging	Note
20-104A0-B	50	Nickel	Bulk	Standard
20-104B0-T	50	Nickel	Tray	Standard

Straight Bulkhead Jack (female)



Aliner P/N	Impedance	Plating	Packaging	Note
20-104BP-T	50	Passivation	Tray	Standard

Straight Jack(female)



Aliner P/N
20-102G0-B

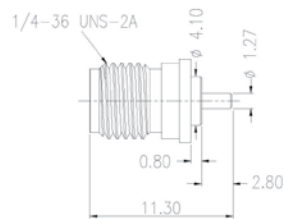
Impedance
50

Plating
Nickel

Packaging
Bulk

Note
Standard

Straight Jack(female)



Aliner P/N
20-106A0-B

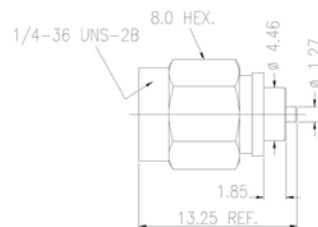
Impedance
50

Plating
Gold

Packaging
Bulk

Note
Standard

Straight Plug(male)



Aliner P/N
20-107A0-B

Impedance
50

Plating
Gold

Packaging
Bulk

Note
Standard



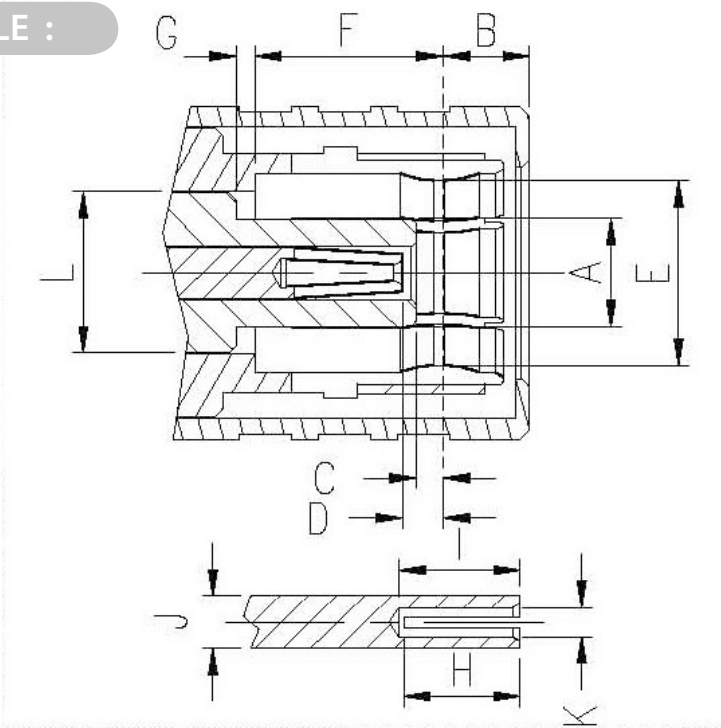
SMB

SMB - Description

Aliner SMB connectors are suitable for application from DC up to 4 GHz, and are quick connection/disconnection snap-on mating.

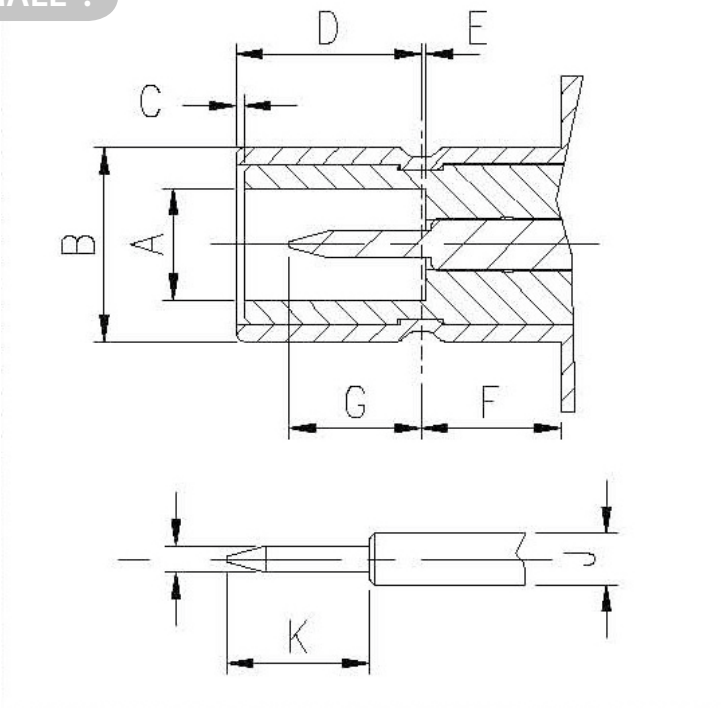
Interface Mating Dimensions

MALE :

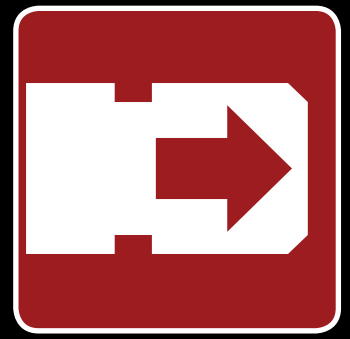


LTR.	Millimeters / Inches			
	MINIMUM		MAXIMUM	
A -	Ø 2.00	Ø .079	Ø 2.08	Ø .082
B -			1.63	.064
C -	0.27	.011	0.52	.021
D -	0.29	.012	0.57	.023
E -	Ø 3.40	Ø .134	Ø 3.50	Ø .138
F -	3.58	.141		
G -	0.00	.000	0.29	.012
H -	1.65	.065		
I -	2.79	.110		
J -	Ø 0.95	Ø .037	Ø 1.02	Ø .040
K -	Ø 0.56	Ø .022	Ø 0.60	Ø .024
L -	Ø 3.05	Ø .120	Ø 3.10	Ø .122

FEMALE :



LTR.	Millimeters / Inches			
	MINIMUM		MAXIMUM	
A -	Ø 2.10	Ø .083	Ø 2.20	Ø .087
B -	Ø 3.66	Ø .144	Ø 3.71	Ø .146
C -	0.04	.002	0.24	.010
D -	3.48	.137	3.53	.139
E -	0.05	.002		
F -	1.65	.065		
G -	2.39	.094	2.72	.107
H -	Ø 3.05	Ø .120	Ø 3.10	Ø .122
I -	Ø 0.48	Ø .019	Ø 0.53	Ø .021
J -	Ø 0.95	Ø .037	Ø 1.02	Ø .040
K -	2.51	.099	2.70	.103



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)	Gold plating
Insulator	PTFE	None
Crimp ferrule	Annealed copper	Same as body

Electrical :

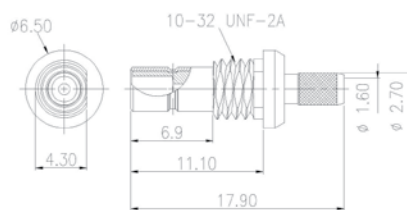
Nominal impedance	50 Ω
Frequency up to	4.0 GHz
VSWR	$1.25 + 0.05 \times f$ GHz
Working voltage	250 Volts rms.
Dielectric withstanding voltage	750 Volts rms.
Insulation resistance	1000 M Ω min.
Contact resistance	center conductor 6.0 m Ω outer conductor 1.5 m Ω

Mechanical & Environmental :

Mating	Snap on coupling
Cable retention	6 kgf typical
Engage force	3.0 kgf max.
Disengage force	0.5 kgf min.
Durability	≥ 500 cycles
Temperature range	PTFE -55 $^{\circ}\text{C}$ to +155 $^{\circ}\text{C}$
Vibration	Per MIL-STD-202 Method 204 Test Condition D
Corrosion	Per MIL-STD-202 Method 101 Test Condition B

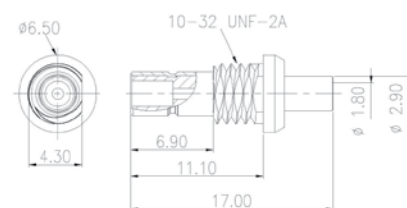


Straight Bulkhead Jack (male contact)



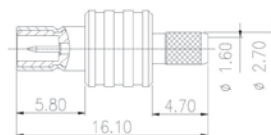
Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
21-133D0-B	50	Nickel	Bulk	RD-316	Standard
21-133G0-B	50	Gold	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Standard
21-133A0-B	50	Nickel	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Standard
21-133B0-B	75	Nickel	Bulk	RG-179 B/U; RG-187 A/U	Standard

Straight Bulkhead Jack (male contact)



Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
21-133C0-B	50	Gold	Bulk	1.37 mini coaxial	Standard
21-133CB-B	50	Gold	Bulk	1.48 mini coaxial	Standard
21-133GA-B	50	Gold	Bulk	RG-178 B/U;RG-196 A/U	Standard

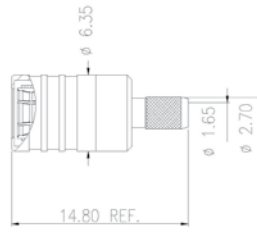
Straight Jack (male contact)



Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
21-131G0-B	50	Gold	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Standard
21-131A0-B	50	Nickel	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Standard
21-131B0-B	75	Nickel	Bulk	RG-179 B/U; RG-187 A/U	Standard
21-131AB-B	50	Gold	Bulk	RG-58 C/U;RG-303/U	Standard

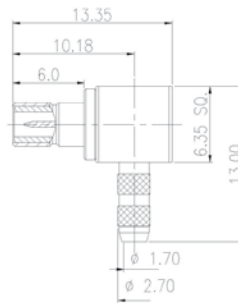


Straight Plug (female contact)



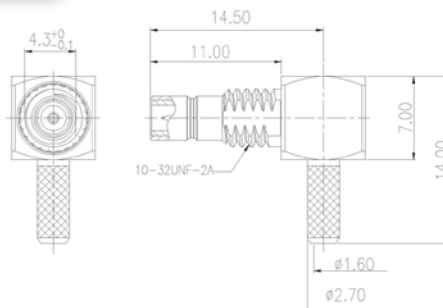
A liner P/N	Impedance	Plating	Packaging	Cable Type	Note
21-102G0-B	50	Gold	Bulk	.085 semi-rigid	Standard
21-102G1-B	50	Gold	Bulk	.141 semi-rigid	Standard
21-101G0-B	50	Gold	Bulk	Filotex 296769	Standard
21-101A2-B	50	Gold	Bulk	RD-316	Standard
21-101A0-B	50	Gold	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Standard
21-10100-B	50	Nickel	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Standard
21-101AA-B	50	Gold	Bulk	RG-178 B/U;RG-196 A/U	Standard
21-201A0-B	75	Gold	Bulk	RG-179 B/U; RG-187 A/U	Standard
21-20100-B	75	Nickel	Bulk	RG-179 B/U; RG-187 A/U	Standard
21-101B0-B	50	Gold	Bulk	RG-58 C/U;RG-303/U	Standard

Right Angle Jack (male contact)



A liner P/N	Impedance	Plating	Packaging	Cable Type	Note
21-309A0-B	50	Gold	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Standard

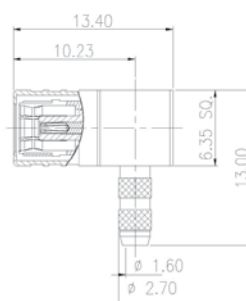
Right Angle Bulkhead Jack(male contact)



A liner P/N	Impedance	Plating	Packaging	Cable Type	Note
21-309BA-B	50	Gold	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Standard

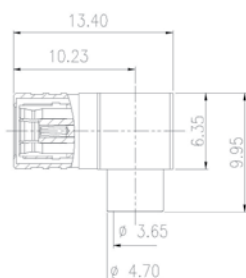


Right Angle Plug (female contact)



Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
21-109E0-B	50	Nickel	Bulk	2.5D-2V	Standard
21-109F0-B	50	Gold	Bulk	2.5D-2V	Standard
21-109D0-B	50	Gold	Bulk	Filotex 296769	Standard
21-109A0-B	50	Nickel	Bulk	RD-316	Standard
21-109AA-B	50	Gold	Bulk	RD-316	Standard
21-109G0-B	50	Gold	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Standard
21-10900-B	50	Nickel	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Standard
21-109C0-B	50	Gold	Bulk	RG-178 B/U;RG-196 A/U	Standard
21-20900-B	75	Nickel	Bulk	RG-179 B/U; RG-187 A/U	Standard
21-20901-B	75	Gold	Bulk	RG-179 B/U; RG-187 A/U	Standard
21-109AD-B	75	Gold	Bulk	RG-179 B/U; RG-187 A/U	Standard
21-109B0-B	50	Gold	Bulk	RG-58 C/U;RG-303/U	Standard

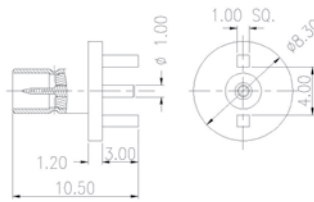
Right Angle Plug (female contact)



Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
21-109HB-B	50	Gold	Bulk	.047 semi-rigid	Standard
21-109HA-B	50	Gold	Bulk	.085 semi-rigid	Standard
21-109HC-B	50	Gold	Bulk	.141 semi-rigid	Standard

Straight Jack (male contact)

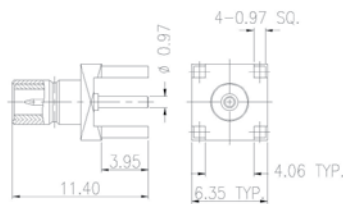
PCB MOUNT



Aliner P/N	Impedance	Plating	Packaging	Mounting Pattern	Note
21-002AB-B	75	Gold	Bulk	B81	Standard

Straight Jack (male contact)

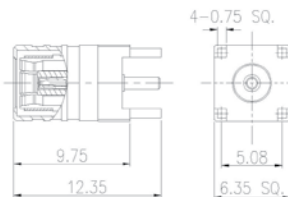
PCB MOUNT



Aliner P/N	Impedance	Plating	Packaging	Mounting Pattern	Note
21-002C0-B	75	Gold	Bulk	B80	Standard
21-002A0-B	50	Nickel	Bulk	B80	Standard
21-002G0-T	50	Gold	Tray	B80	Standard
21-002G0-B	50	Gold	Bulk	B80	Standard

Straight Plug (female contact)

PCB MOUNT

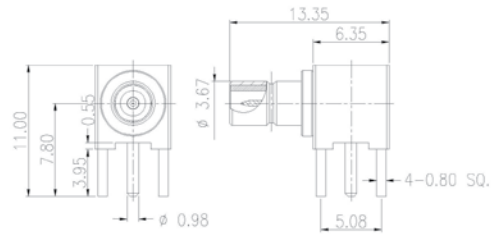


Aliner P/N	Impedance	Plating	Packaging	Mounting Pattern	Note
21-003B0-T	50	Gold	Tray	B17	Standard
21-003B0-B	50	Gold	Bulk	B17	Standard



Right Angle Jack (male contact)

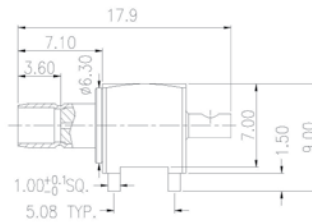
PCB MOUNT



Aliner P/N	Impedance	Plating	Packaging	Mounting Pattern	Note
21-209AC-B	75	Gold	Bulk	B17	Standard
21-209A0-B	50	Gold	Bulk	B17	Standard
21-209A0-T	50	Gold	Tray	B17	Standard
21-209AN-T	50	Nickel	Tray	B17	Standard

Right Angle Jack (male contact)

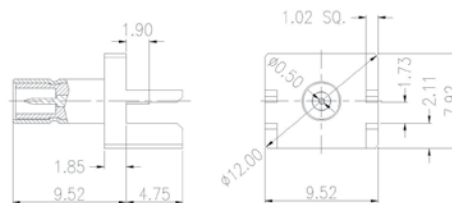
PCB MOUNT & CABLE



Aliner P/N	Impedance	Plating	Packaging	Mounting Pattern & Cable Type	Note
21-209BA-B	75	Gold	Bulk	B82 & 1.31 mini coaxial	Standard

Straight Jack (male contact)

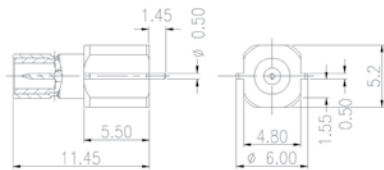
PCB EDGE MOUNT



Aliner P/N	Impedance	Plating	Packaging	Mounting Pattern & Cable Type	Note
21-004AA-B	50	Gold	Bulk	B78	Standard
21-004AA-T	50	Gold	Tray	B78	Standard

Straight Jack (male contact)

PCB EDGE MOUNT

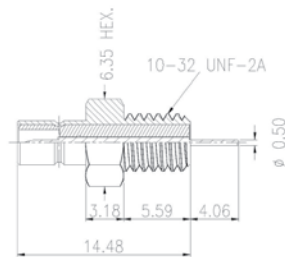


Aliner P/N	Impedance	Plating	Packaging	Mounting Pattern	Note
21-005AA-R	50	Gold	Reel	B79	Standard
21-005AA-T	50	Gold	Tray	B79	Standard

SMB

FEED THROUGH

Straight Bulkhead Jack (male contact)

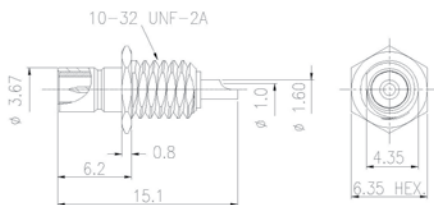


Aliner P/N	Impedance	Plating	Packaging	Note
21-104AP-T	50	Passivation	Tray	Standard

SMB

RECEPTACLE

Straight Bulkhead Jack (male contact)



Aliner P/N	Impedance	Plating	Packaging	Note
21-104CA-B	50	Gold	Bulk	Standard





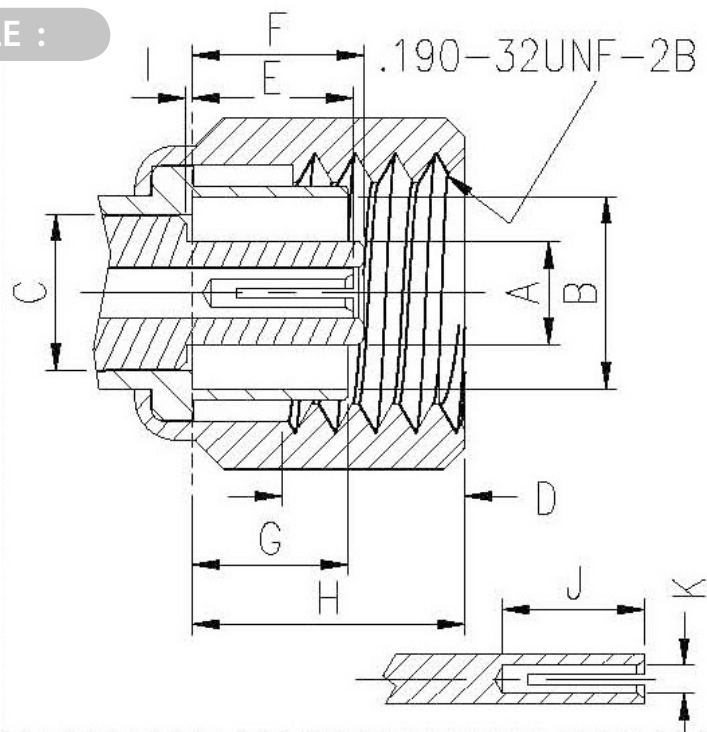
SMC

SMC - Description

Aliner SMC connectors are suitable for application from DC up to 10 GHz, respectively 4 GHz. For quick connection/disconnection even in a limited space.

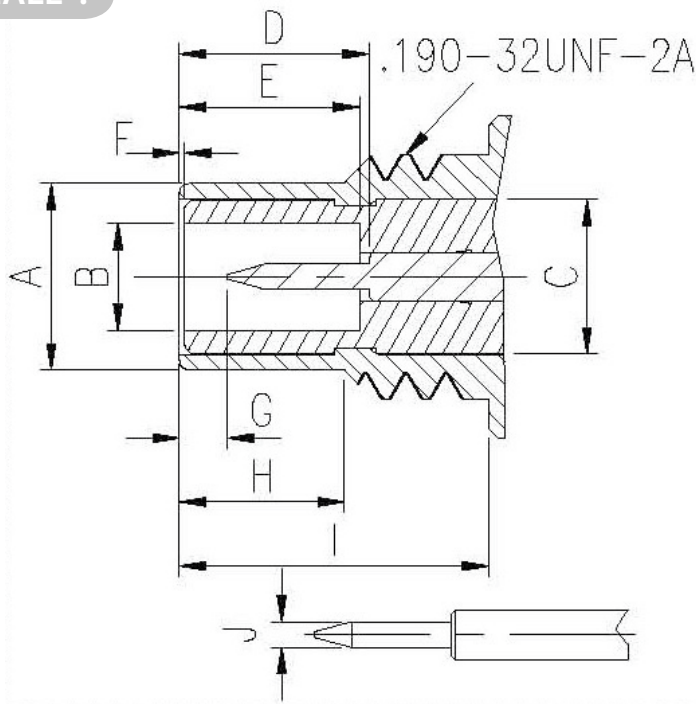
Interface Mating Dimensions

MALE :



LTR.	Millimeters / Inches			
	MINIMUM		MAXIMUM	
A -	Ø 2.00	Ø .079	Ø 2.08	Ø .082
B -	Ø 3.73	Ø .147	Ø 3.81	Ø .150
C -	3.05	.120	3.10	.122
D -	2.79	.110		
E -	3.23	.127	3.40	.134
F -	3.30	.130	3.40	.134
G -	3.05	.120	3.10	.122
H -			5.92	.233
I -	0.00	.110	0.15	.006
J -	2.79	Ø .039		
K -	Ø 0.55	Ø .022	Ø 0.60	Ø .024

FEMALE :



LTR.	Millimeters / Inches			
	MINIMUM		MAXIMUM	
A -	Ø 3.66	Ø .144	Ø 3.71	Ø .144
B -	Ø 2.10	Ø .083	Ø 2.20	Ø .087
C -	Ø 3.05	Ø .120	Ø 3.10	Ø .122
D -	3.40	.134	3.51	.138
E -	3.40	.134	3.61	.142
F -	0.00	.000	0.25	.010
G -	0.79	.031		
H -	3.12	.123	3.38	.133
I -	5.94	.234		
J -	Ø 0.48	Ø .019	Ø 0.53	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
Gasket	Silicone rubber	None

Electrical :

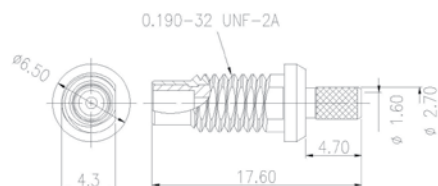
Nominal impedance	50 Ω
Frequency up to	6 GHz
VSWR	$1.20 + 0.05 \times f \text{ GHz}$
Working voltage	250 Volts rms.
Dielectric withstanding voltage	750 Volts rms.
Insulation resistance	1000 MΩ min.
Contact resistance	center conductor 6.0 mΩ outer conductor 1.5 mΩ

Mechanical & Environmental :

Mating	.190-32 UNEF Thread coupling
Cable retention	4.5 kgf typical
Durability	≥ 500 cycles
Coupling nut retention	≥ 10 kgf
Temperature range	PTFE -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

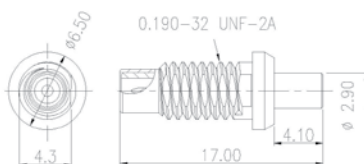


Straight Bulkhead Jack(female)



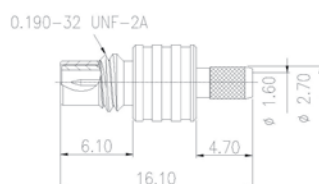
Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
21-432B0-B	50	Gold	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Standard

Straight Bulkhead Jack(female)



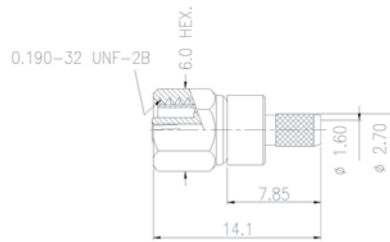
Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
21-432C0-B	50	Gold	Bulk	1.13 mini coaxial	Standard

Straight Jack(female)



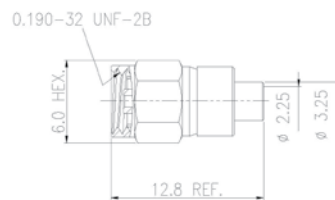
Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
21-431A0-B	50	Nickel	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Standard
21-431G0-B	50	Gold	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Standard

Straight Plug(male)



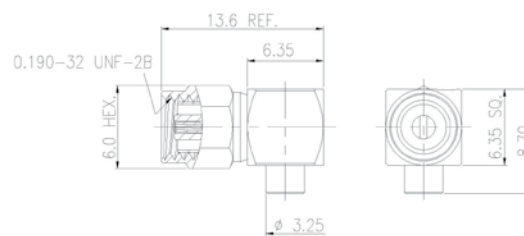
Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
21-401A0-B	50	Nickel	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Standard
21-401G0-B	50	Gold	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Standard

Straight Plug(male)



Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
21-401GA-B	50	Gold	Bulk	.085 semi-rigid	Standard

Right Angle Plug(male)

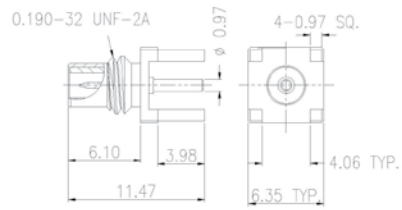


Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
21-309AA-B	50	Gold	Bulk	.085 semi-rigid	Standard



Straight Jack(female)

PCB MOUNT



A liner P/N
21-501G0-B

Impedance

50

Plating

Gold

Packaging

Bulk

Mounting Pattern

B11

Note

Standard



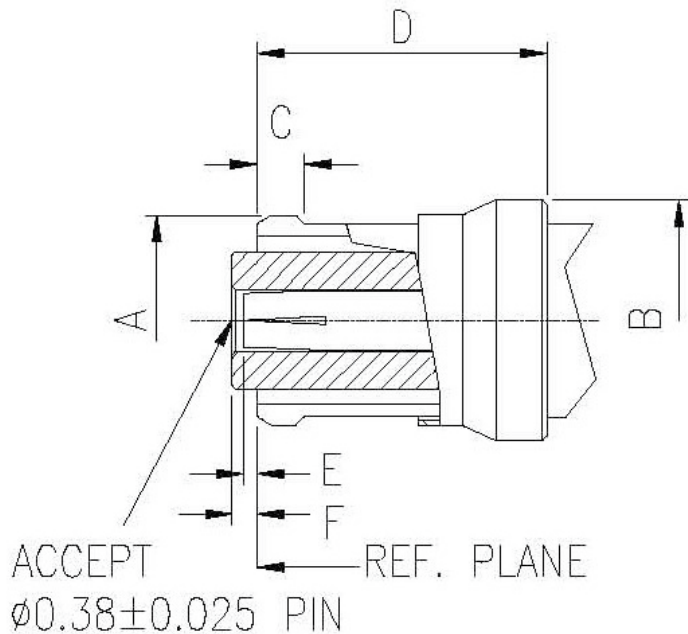
SMP

SMP - Description

Aliner SMP connectors are designed for high density mounting packaging. The low profile design of SMP connectors permit module mounting with a center-to-center dimension as low as possible. Aliner SMP series provides 3 levels of retention by the male contact - smooth bore, limited detent and full detent.

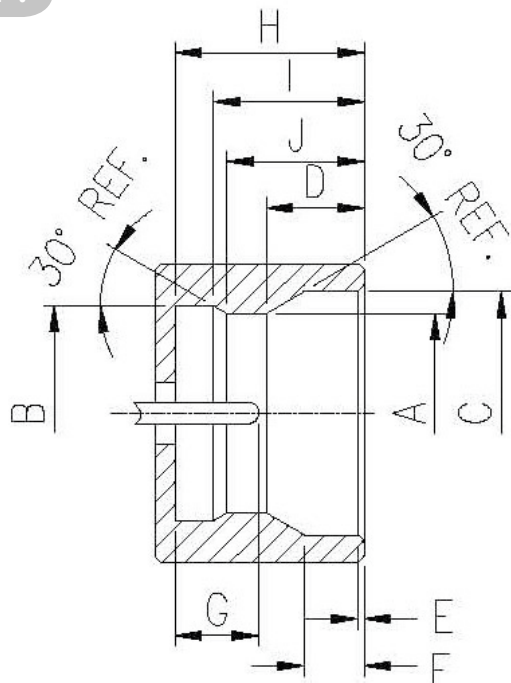
Interface Mating Dimensions

MALE :



LTR.	Millimeters / Inches			
	MINIMUM		MAXIMUM	
A -			$\varnothing 3.43$	$\varnothing .135$
B -			$\varnothing 3.70$	$\varnothing .145$
C -	0.64	.025	0.89	.035
D -	3.40	.132		
E -	-0.12	-.005	0.00	.000
F -	-0.12	-.005	0.00	.000

FEMALE :



LTR.	Millimeters / Inches			
	MINIMUM		MAXIMUM	
A -	$\varnothing 2.90$	$\varnothing .114$	$\varnothing 3.00$	$\varnothing .118$
B -	$\varnothing 3.15$	$\varnothing .124$	$\varnothing 3.23$	$\varnothing .127$
C -	$\varnothing 3.55$	$\varnothing .140$	$\varnothing 3.65$	$\varnothing .144$
D -	$\varnothing 1.40$	$\varnothing .055$	$\varnothing 1.45$	$\varnothing .057$
E -	0.08	.003	0.18	.007
F -	0.84	.033	0.94	.037
G -	0.89	.035	1.78	.070
H -	2.75	.108	2.85	.112
I -	2.18	.086	2.28	.090
J -	1.98	.078	2.08	.082
K -	1.40	.055	1.45	.057

NOTE: DIM B FOR FULL DETENT



Technical Data

Material / Finish :

	Material	Finish
Connector body	Brass per (QQ-B-626 or JIS-C3604B) Beryllium copper per (QQ-C-530 or JIS-C1730)	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)	Gold plating
Insulator	PTFE per ASTM D1710 and ASTM D1457 or none	None
Shroud non-hermetic	Stainless steel (SUS-303)	Passivated

Electrical :

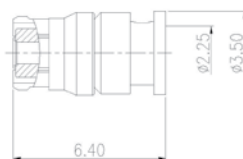
Nominal impedance	50 Ω
Frequency up to	12 GHz
VSWR	≤ 1.25 @ 6.0 GHz ≤ 1.50 @ 12.0 GHz
Working voltage	250 Volts rms.
Dielectric withstanding voltage	500 Volts rms.
Insulation resistance	5000 M Ω min.
Contact resistance	center conductor 6.0m Ω outer conductor 1.5m Ω

Mechanical & Environmental :

Mating	Snap on coupling
Engage force	15 lbs full detent max. 10 lbs limited detent max. 2.5 lbs smooth bore max.
Disengage force	5 lbs full detent min. 2 lbs limited detent min. 0.5 lbs smooth bore min.
Durability	≥ 250 cycles limited detent typical.
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

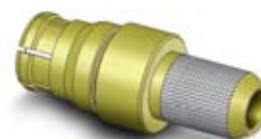
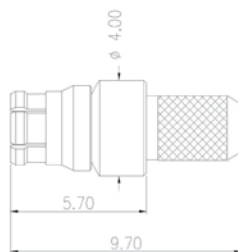


Straight Plug(female contact)



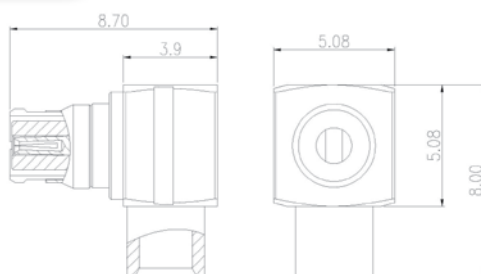
Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
26-001A0-B	50	Gold	Bulk	.047 semi-rigid	Standard
26-001B0-B	50	Gold	Bulk	.085 semi-rigid	Standard

Straight Plug(female contact)



Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
26-101AB-B	50	Gold	Bulk	RG-174/U ; RG-188 A/U ; RG-316/U	Standard
26-101A0-B	50	Gold	Bulk	RG-178 B/U ; RG-196 A/U	Standard

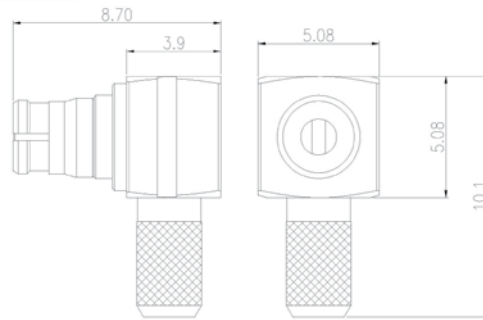
Right Angle Plug(female contact)



Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
26-109A0-B	50	Gold	Bulk	.047 semi-rigid	Standard
26-109B0-B	50	Gold	Bulk	.085 semi-rigid	Standard



Right Angle Plug(female contact)

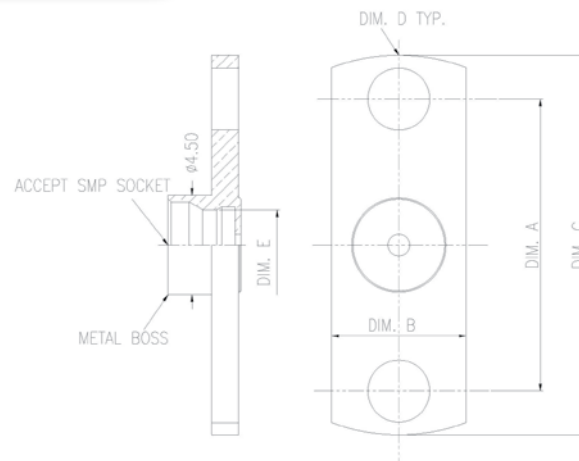


Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
26-109BC-B	50	Gold	Bulk	RG-174/U ; RG-188 A/U ; RG-316/U	Standard

SMP SHROUD



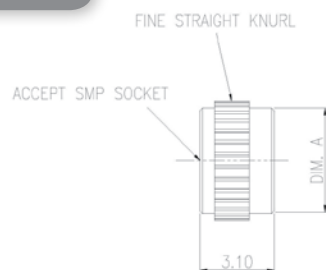
2-Hole Flange Mount Shroud



Aliner P/N	Plating	Engagement Type	DIM A	DIM B	DIM C	DIM D	DIM E
26-103A0-B	Passivation	FULL DETENT	7.16	4.19	Ø10.16	Ø1.85	Ø2.95±0.01
26-103B0-B	Passivation	FULL DETENT	8.33	4.75	Ø12.19	Ø2.49	Ø2.95±0.01
26-103C0-B	Passivation	FULL DETENT	10.16	4.75	Ø13.97	Ø2.59	Ø2.95±0.01
26-103D0-B	Passivation	FULL DETENT	12.22	5.64	Ø15.88	Ø2.59	Ø2.95±0.01
26-103E0-B	Passivation	LIMITED DETENT	7.16	4.19	Ø10.16	Ø1.85	Ø3.05±0.01
26-103F0-B	Passivation	LIMITED DETENT	8.33	4.75	Ø12.19	Ø2.49	Ø3.05±0.01
26-103G0-B	Passivation	LIMITED DETENT	10.16	4.75	Ø13.97	Ø2.59	Ø3.05±0.01
26-103H0-B	Passivation	LIMITED DETENT	12.22	5.64	Ø15.88	Ø2.59	Ø3.05±0.01
26-103J0-B	Passivation	SMOOTH DETENT	7.16	4.19	Ø10.16	Ø1.85	Ø3.18±0.01
26-103K0-B	Passivation	SMOOTH DETENT	8.33	4.75	Ø12.19	Ø2.49	Ø3.18±0.01
26-103L0-B	Passivation	SMOOTH DETENT	10.16	4.75	Ø13.97	Ø2.59	Ø3.18±0.01
26-103M0-B	Passivation	SMOOTH DETENT	12.22	5.64	Ø15.88	Ø2.59	Ø3.18±0.01

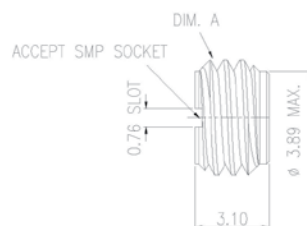


Press-In Shroud



Aliner P/N	Plating	Engagement Type	DIM A
26-008A0-B	Passivation	FULL DETENT	Ø3.91
26-008B0-B	Passivation	FULL DETENT	Ø4.42
26-008C0-B	Passivation	LIMITED DETENT	Ø3.91
26-008D0-B	Passivation	LIMITED DETENT	Ø4.42
26-008E0-B	Passivation	SMOOTH DETENT	Ø3.91
26-008F0-B	Passivation	SMOOTH DETENT	Ø4.42

Thread-In Shroud



Aliner P/N	Plating	Engagement Type	DIM A
26-009A0-B	Passivation	FULL DETENT	#10-48 UNS-2A
26-009B0-B	Passivation	FULL DETENT	#10-36 UNS-2A
26-009C0-B	Passivation	LIMITED DETENT	#10-48 UNS-2A
26-009D0-B	Passivation	LIMITED DETENT	#10-36 UNS-2A
26-009E0-B	Passivation	SMOOTH DETENT	#10-48 UNS-2A
26-009F0-B	Passivation	SMOOTH DETENT	#10-36 UNS-2A

SSA
CG

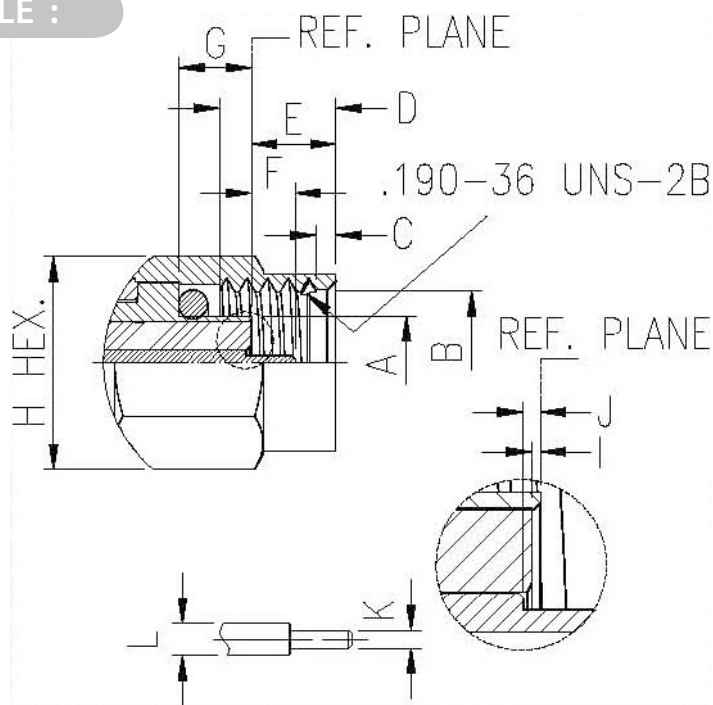
SSMA

SSMA - Description

Aliner SSMA connectors are precision connectors for microwave application up to 18 GHz. The high mechanical strength, high durability, low VSWR and compact size to SMA connector.

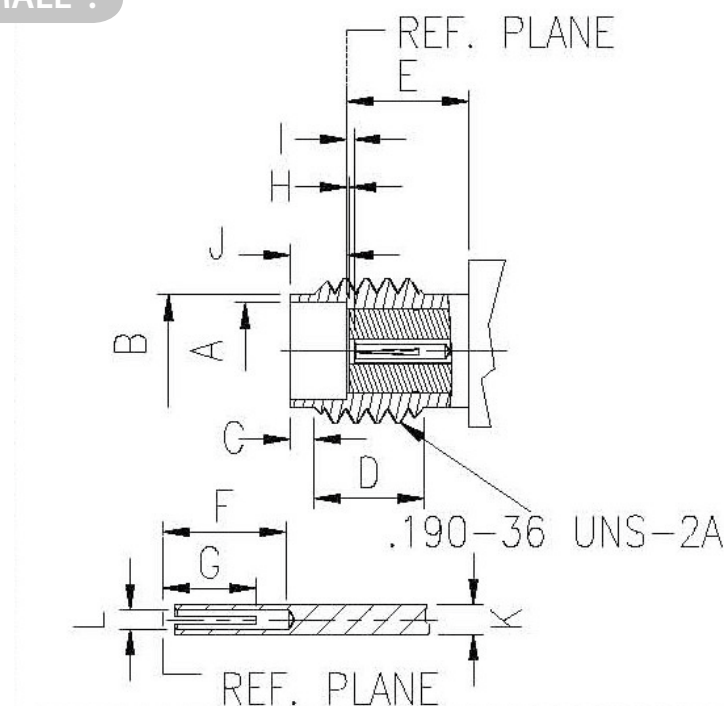
Interface Mating Dimensions

MALE :



LTR.	Millimeters / Inches			
	MINIMUM		MAXIMUM	
A -	Ø 3.17	Ø .125	Ø 3.22	Ø .127
B -	Ø 4.98	Ø .196	Ø 5.21	Ø .205
C -	0.38	.015	1.14	.045
D -	2.54	.100	4.32	.170
E -	2.54	.100	3.40	.134
F -	1.40	.055	1.65	.065
G -	2.03	.080		
H -	6.35 nominal			
I -	0.00	.000	0.13	.005
J -	0.00	.000	0.13	.005
K -	Ø 0.85	Ø .033	Ø 0.88	Ø .035
L -	Ø 0.50	Ø .020	Ø 0.53	Ø .021

FEMALE :



LTR.	Millimeters / Inches			
	MINIMUM		MAXIMUM	
A -	3.23	Ø .127	3.28	Ø .129
B -	3.89	Ø .153	4.04	Ø .159
C -	0.38	.015	1.14	.045
D -	3.81	.150		
E -	3.89	.153		
F -	2.92	.115	3.30	.130
G -	1.52	.060	1.80	.071
H -	0.00	.000	0.13	.005
I -	0.00	.000	0.13	.005
J -	1.88	.074	1.98	.078
K -	Ø 0.85	Ø .033	Ø 0.88	Ø .035
L -	Ø 0.50	Ø .020	Ø 0.53	Ø .021



Technical Data

Material / Finish :

	Material	Finish
Connector body	Brass per (QQ-B-626 or JIS-C3604B)	Nickel or gold plating
	Stainless steel per (QQ-S-764 class 303)	Passivated
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)	Gold plating
Insulator	PTFE	None
Crimp ferrule	Annealed copper	Same as body
Gasket	Silicone rubber	None

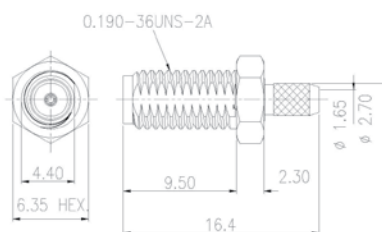
Electrical :

Nominal impedance	50Ω
Frequency up to	12.4 GHz
VSWR	1.15 + 0.02 x f GHz for straight connector typical 1.20 + 0.03 x f GHz for right angle connector typical
Working voltage	335 Volts rms.
Dielectric withstanding voltage	500 Volts rms.
Insulation resistance	5000 MΩ min.
Contact resistance	center conductor 3.0 mΩ outer conductor 2.0 mΩ

Mechanical & Environmental :

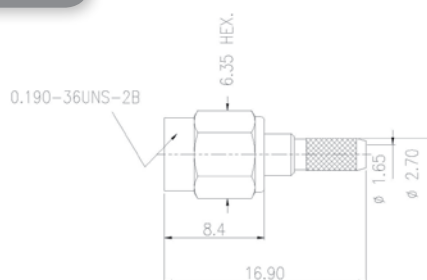
Mating	.190-36 UNS thread coupling
Cable retention	3 kgf typical
Coupling nut retention	≥10 kgf
Temperature range	-55°C to +155°C
Corrosion	Per MIL-STD-202 Method 101 Test Condition B

Straight Bulkhead Jack(female)



Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
34-130A0-B	50	Gold	Bulk	RG-174/U ; RG-188 A/U ; RG-316/U	Standard

Straight Plug(male)



Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
34-101A0-B	50	Gold	Bulk	RG-174/U ; RG-188 A/U ; RG-316/U	Standard



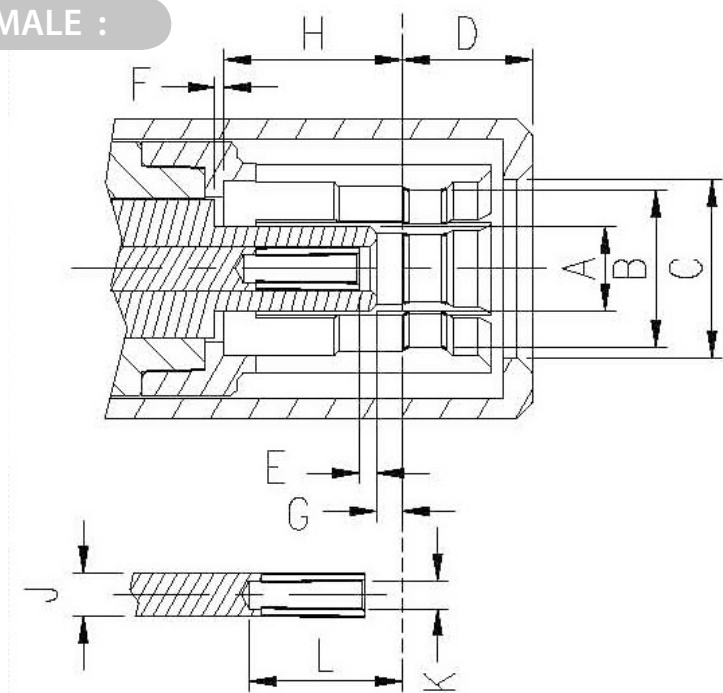
SSMB

SSMB - Description

Aliner SSMB connector, designed for use where small, light-weight interconnection is needed, has a snap-on coupling and is a miniaturized version of SMB connector.

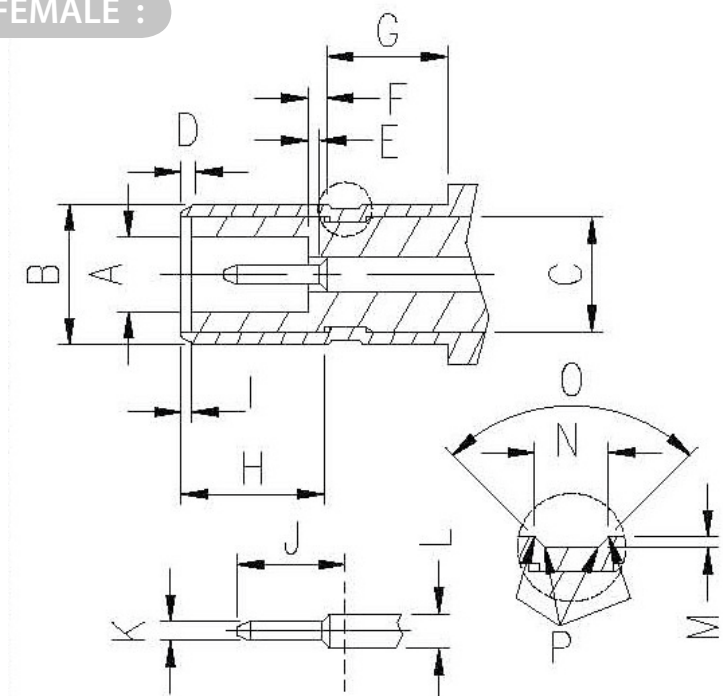
Interface Mating Dimensions

MALE :



LTR.	Millimeters / Inches			
	MINIMUM		MAXIMUM	
A -	Ø 1.30	Ø .051	Ø 1.35	Ø .051
B -	Ø 2.46	Ø .097	Ø 2.51	Ø .097
C -	Ø 2.74	Ø .108	Ø 3.21	Ø .108
D -			2.26	.089
E -	0.00	.000	0.20	.008
F -	0.00	.000	0.20	.008
G -	0.43	.017	0.53	.021
H -	2.74	.108	2.79	.110
I -	Ø 2.11 Ø .083 nominal			
J -	Ø 0.63	Ø .025	Ø 0.68	Ø .027
K -	Ø 0.45	Ø .018	Ø 0.50	Ø .020
L -	2.46	.097		

FEMALE :



LTR.	Millimeters / Inches			
	MINIMUM		MAXIMUM	
A -	Ø 1.37	Ø .054	Ø 1.42	Ø .056
B -	Ø 2.62	Ø .103	Ø 2.68	Ø .106
C -	Ø 2.11 Ø .083 nominal			
D -	0.00	.000	0.50	.020
E -	0.00	.000	0.13	.005
F -	0.46	.018	0.56	.022
G -	2.29	.090		
H -	2.69	.106	2.74	.108
I -	0.00	.000	0.13	.005
J -			2.44	.096
K -	Ø 0.36	Ø .014	Ø 0.40	Ø .016
L -	Ø 0.63	Ø .025	Ø 0.68	Ø .027
M -	0.05	.002	0.15	.006
N -	0.64	.025	0.74	.029
O -	90° nominal			
P -	R0.08 nominal			



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
Gasket	Silicone rubber	None

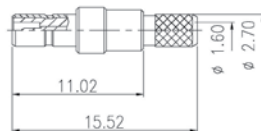
Electrical :

Nominal impedance	50 Ω
Frequency up to	3.0 GHz
VSWR	1.25 max.@1GHz for straight connector 1.5 max. @1GHz for right angle connector
Working voltage	250 Volts rms.
Dielectric withstanding voltage	500 Volts rms.
Insulation resistance	500 M Ω min.
Contact resistance	center conductor 6.0 m Ω initial. outer conductor 1.5 m Ω .

Mechanical & Environmental :

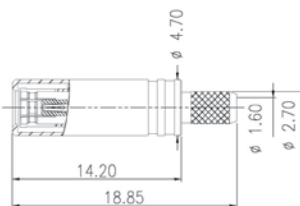
Mating	Snap on coupling
Cable retention	3.0 kgf typical
Durability	$\geq$ 500 cycles
Engagement force	3.0 kgf max.
Disengagement force	0.5 kgf min.
Temperature range	-55 $^{\circ}$ C to +155 $^{\circ}$ C
Vibration	Per MIL-STD-202 Method 204 Test Condition D
Corrosion	Per MIL-STD-202 Method 101 Test Condition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

Straight Jack(male contact)



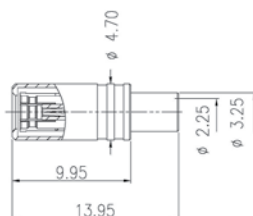
Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
22-301B1-B	50	Gold	Bulk	RD-316	Standard
22-301B0-B	50	Gold	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Standard
22-301A0-B	50	Gold	Bulk	RG-178 B/U;RG-196 A/U	Standard

Straight Plug(female contact)



Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
22-101A1-B	50	Gold	Bulk	RD-316	Standard
22-101A0-B	50	Gold	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Standard

Straight Plug(female contact)



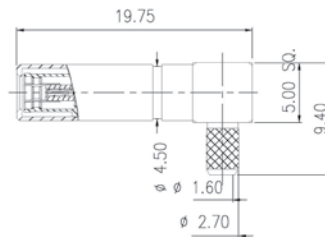
Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
22-101B0-B	50	Gold	Bulk	.047 semi-rigid	Standard
22-101C0-B	50	Gold	Bulk	.085 semi-rigid	Standard
22-101A2-B	50	Gold	Bulk	RG-178 B/U;RG-196 A/U	Standard

Right Angle Jack(male contact)



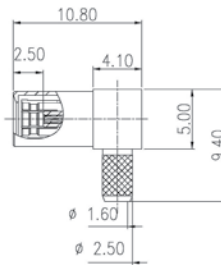
Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
22-109A0-B	50	Gold	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Standard

Right Angle Plug(female contact)



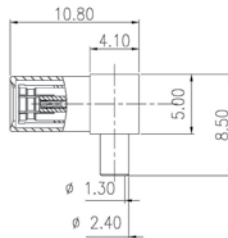
Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
22-209A0-B	50	Gold	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Standard
22-209B0-B	50	Gold	Bulk	RG-178 B/U;RG-196 A/U	Standard

Right Angle Plug(female contact)



Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
22-209C0-B	50	Gold	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Standard
22-209G0-B	50	Gold	Bulk	RG-178 B/U;RG-196 A/U	Standard

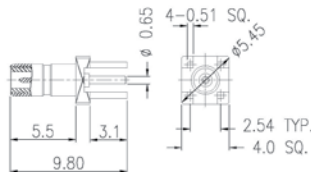
Right Angle Plug(female contact)



Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
22-209E0-B	50	Gold	Bulk	.047 semi-rigid	Standard
22-209D0-B	50	Gold	Bulk	.085 semi-rigid	Standard

Straight Jack(male contact)

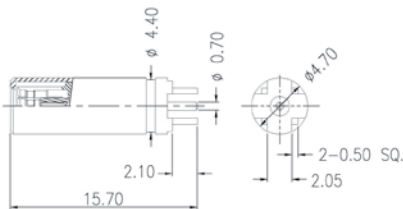
PCB MOUNT



Aliner P/N	Impedance	Plating	Packaging	Mounting Pattern	Note
22-002A0-T	50	Gold	Tray	B02	Standard

Straight Plug(female contact)

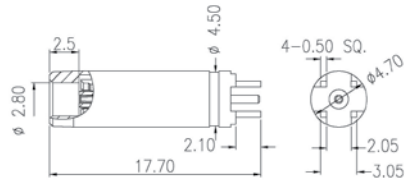
PCB MOUNT



Aliner P/N	Impedance	Plating	Packaging	Mounting Pattern	Note
22-003A0-T	50	Gold	Tray	B02	Standard

Straight Plug(female contact)

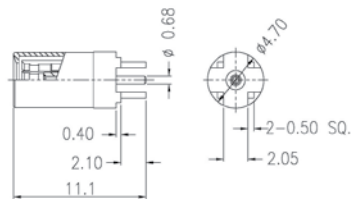
PCB MOUNT



Aliner P/N	Impedance	Plating	Packaging	Mounting Pattern	Note
22-003B0-T	50	Gold	Tray	B02	Standard

Straight Plug(female contact)

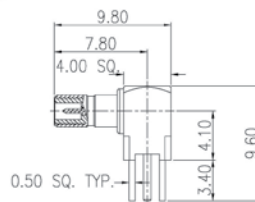
PCB MOUNT



Aliner P/N	Impedance	Plating	Packaging	Mounting Pattern	Note
22-003C0-T	50	Gold	Tray	B02	Standard

Right Angle Jack(male contact)

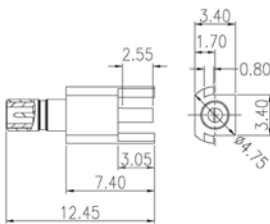
PCB MOUNT



Aliner P/N	Impedance	Plating	Packaging	Mounting Pattern	Note
22-109BA-T	50	Gold	Tray	B02	Standard

Straight Jack(male contact)

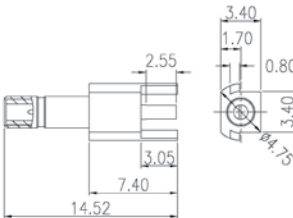
PCB EDGE MOUNT



Aliner P/N	Impedance	Plating	Packaging	Mounting Pattern	Note
22-006A0-T	50	Gold	Tray	B51	Standard
22-006A0-R	50	Gold	Reel	B51	Standard

Straight Jack(male contact)

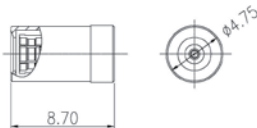
PCB EDGE MOUNT



Aliner P/N	Impedance	Plating	Packaging	Mounting Pattern	Note
22-006B0-T	50	Gold	Tray	B51	Standard
22-006B0-B	50	Gold	Bulk	B51	Standard

Straight Plug(female contact)

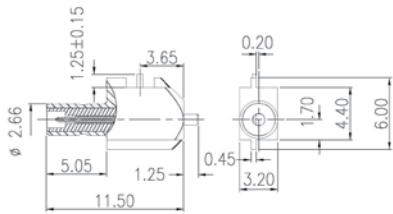
SMD



Aliner P/N	Impedance	Plating	Packaging	Mounting Pattern	Note
22-003D0-B	50	Gold	Bulk	B54	Standard

Straight Jack(male contact)

PCB EDGE MOUNT



Aliner P/N	Impedance	Plating	Packaging	Mounting Pattern	Note
22-302A1-T	50	Gold	Tray	B72	Standard
22-302A1-R	50	Gold	Reel	B72	Standard





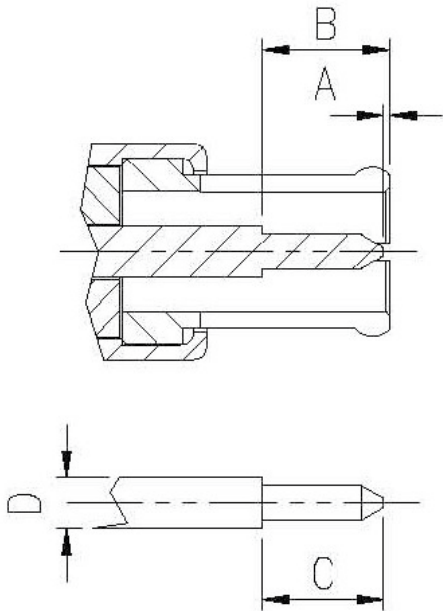
SSMCX

SSMCX - Description

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

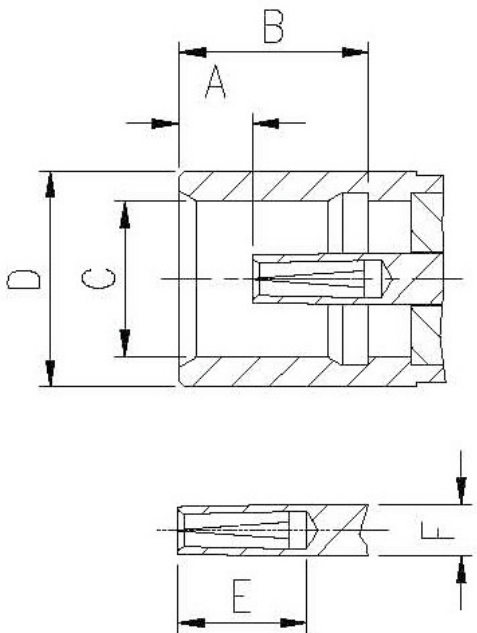
Interface Mating Dimensions

MALE :



LTR.	Millimeters / Inches			
	MINIMUM		MAXIMUM	
A -	0.00	.000	0.25	.001
B -	1.23	.048	1.73	.068
C -	1.30	.051	1.50	.059
D -	Ø 0.57	Ø .022	Ø 0.63	Ø .025

FEMALE :



LTR.	Millimeters / Inches			
	MINIMUM		MAXIMUM	
A -	0.60	.024	1.10	.043
B -	2.08	.082	2.32	.091
C -	Ø 1.75	Ø .069	Ø 1.85	Ø .073
D -	Ø 2.45	Ø .096	Ø 2.55	Ø .100
E -	1.50	.059	1.80	.071
F -	Ø 0.57	Ø .022	Ø 0.63	Ø .025



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)	Gold plating
Insulator	PTFE	None

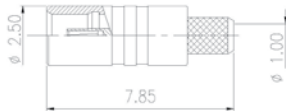
Electrical :

Nominal impedance	50 Ω
Frequency up to	6 GHz
VSWR	1.30 max @ 1-3 GHz 1.50 max @ 3-6 GHz
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 :

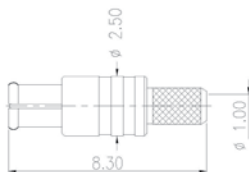
Mating	Snap on coupling
Cable retention	2.5 kgf typical
Engage force	$\leq$ 2.0 kgf
Disengage force	0.5 to 2.0 kgf
Durability	$\geq$ 500 cycles
Vibration	Per MIL-STD-202 Method 204 Test Condition D
Corrosion	Per MIL-STD-202 Method 101 Test Condition B

Straight Jack(female)



Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
32-130B0-B	50	Gold	Bulk	1.37 mini coaxial	Standard
32-130C0-B	50	Gold	Bulk	1.13 mini coaxial	Standard

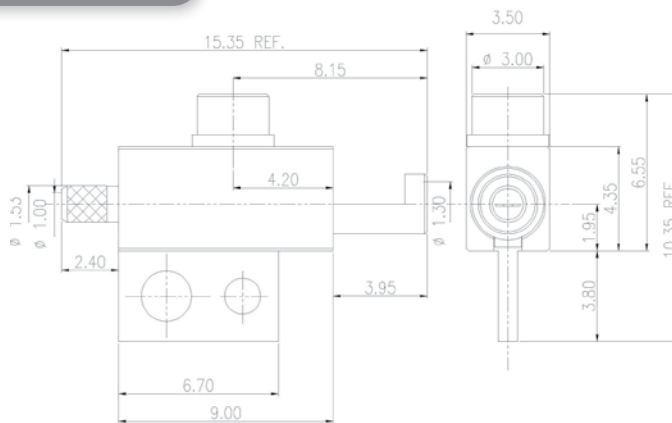
Straight Plug(male)



Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
32-101B0-B	50	Gold	Bulk	1.37 mini coaxial	Standard
32-101C0-B	50	Gold	Bulk	1.13 mini coaxial	Standard

Straight Jack(female)

CABLE SWITCH LOCK



Aliner P/N	Impedance	Plating	Packaging	Note
32-301BA-T	50	Gold	Tray	Standard



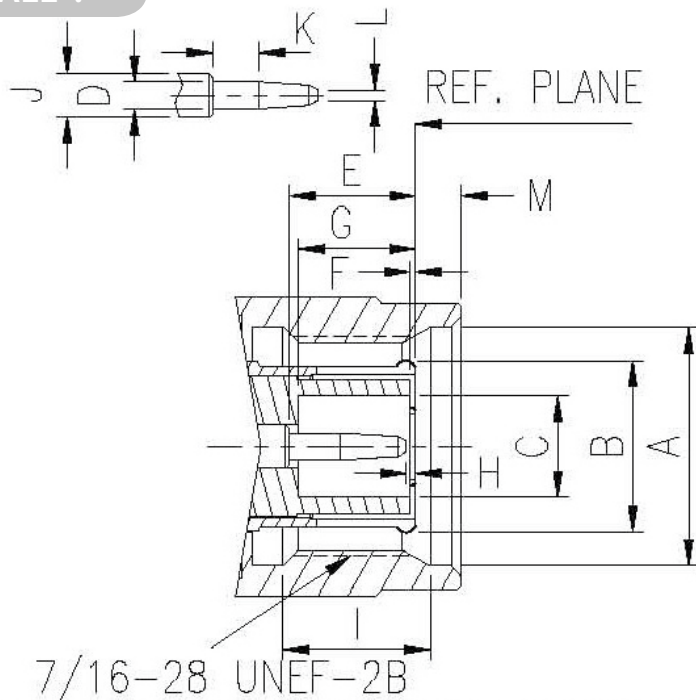
TNC

TNC - Description

Aliner TNC connectors were developed for missile and aircraft application, also called the threaded version of the BNC available in 50Ω and 75Ω types. TNC connectors can be used under higher environmental load than series BNC especially under vibration load.

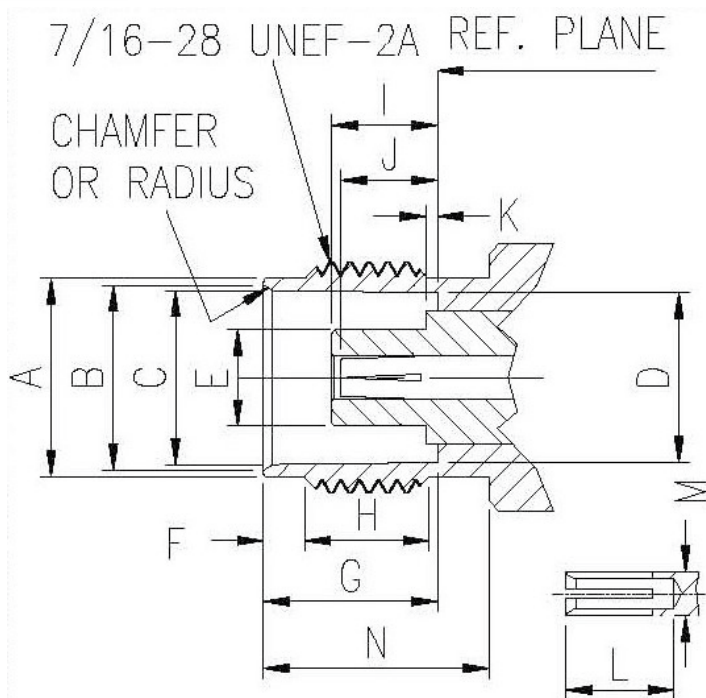
Interface Mating Dimensions

MALE :



LTR.	Millimeters / Inches			
	MINIMUM		MAXIMUM	
A -	Ø 11.18	Ø .440		
B -	Ø 7.93	Ø .312	Ø 8.12	Ø .319
C -	Ø 4.83	Ø .190		
D -	Ø 1.32	Ø .052	Ø 1.37	Ø .054
E -	5.33	.210	5.84	.230
F -	0.15	.006		
G -	5.28	.208	5.79	.228
H -	0.08	.003	1.02	.040
I -	3.96	.156		
J -	2.06	.081	2.21	.087
K -	1.98	.078		
L -			0.64	.025
M -			1.98	.078

FEMALE :



LTR.	Millimeters / Inches			
	MINIMUM		MAXIMUM	
A -	Ø 9.60	Ø .378	Ø 9.68	Ø .381
B -	Ø 8.79	Ø .346	Ø 9.04	Ø .356
C -	Ø 8.31	Ø .327	Ø 8.46	Ø .333
D -	Ø 8.10	Ø .319	Ø 8.15	Ø .321
E -			Ø 4.72	Ø .186
F -	1.73	.068	2.24	.088
G -	8.31	.327	8.51	.335
H -	4.75	.187		
I -	4.78	.188	5.28	.208
J -	4.72	.186	5.23	.206
K -			0.15	.006
L -	4.95	.195		
M -	2.06	.081	2.21	.087
N -	10.52	.414		



Technical Data

Material / Finish :

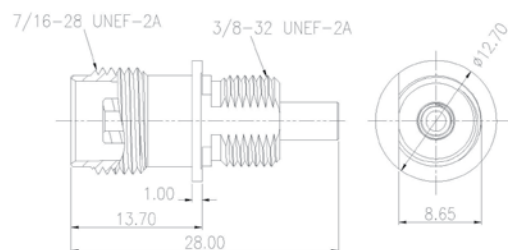
	Material	Finish
Connector body	Brass per (QQ-B-626 or JIS-C3604B)	Nickel or Gold plating
Center contact male	Brass per (QQ-B-626 or JIS-C3604B)	Gold plating
Center contact female	Beryllium copper per (QQ-C-530 or JIS-C1730) or Phosphor bronze per (QQ-B-750 or JIS-C5441B)	Gold plating
Insulator	PTFE or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

Electrical :

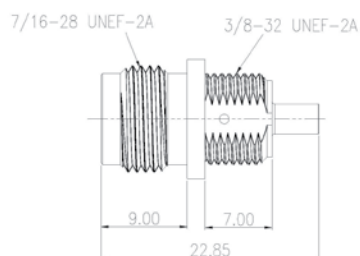
Nominal impedance	50 Ω
Frequency up to	11 GHz
VSWR	$1.25 + 0.02 \times f$ GHz
Working voltage	500 Volts rms.
Dielectric withstanding voltage	1500 Volts rms.
Insulation resistance	5000 M Ω min.
Contact resistance	center conductor 4.0 m Ω outer conductor 1.5 m Ω

Mechanical & Environmental :

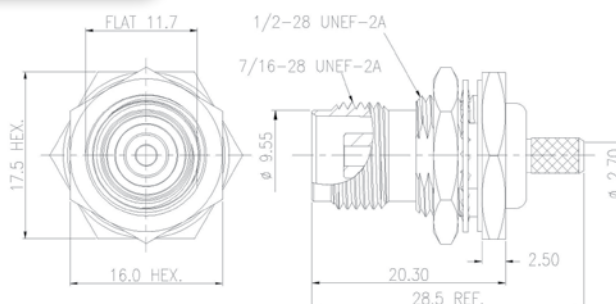
Mating	7/16"-28UNEF thread coupling
Cable retention	6 kgf typical
Durability	≥ 500 cycles
Coupling nut retention	50 kgf min.
Temperature range	P.P. -45 °C to +85°C , PTFE -55°C to +155°C
Vibration	Per MIL-STD-202 Method 204 Test Condition D
Corrosion	Per MIL-STD-202 Method 101 Test Condition B

Straight Bulkhead Jack(female)


Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
12-201AA-B	50	Nickel	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Standard

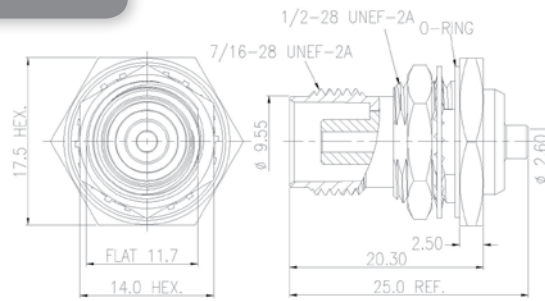
Straight Bulkhead Jack(female)


Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
12-130HR-B	50	Nickel	Bulk	RG-178 B/U;RG-196 A/U	Reverse Polarity

Straight Bulkhead Jack(female)


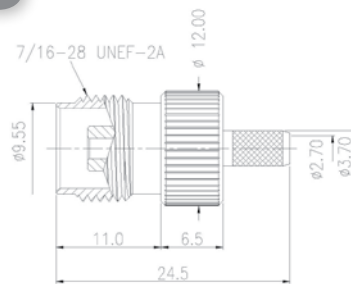
Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
12-135BR-B	50	Nickel	Bulk	1.37 mini coaxial	Reverse Polarity
12-135AD-B	50	Nickel	Bulk	RD-316	Standard
12-135A1-B	50	Nickel	Bulk	RG-142 B/U;RG-223/U;RG-400/U	Standard
12-135AR-B	50	Nickel	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Reverse Polarity
12-135A0-B	50	Nickel	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Standard
12-135A2-B	50	Nickel	Bulk	RG-58 C/U;RG-303/U	Standard
12-135CR-B	50	Nickel	Bulk	RG-58 C/U;RG-303/U	Reverse Polarity
12-135LA-B	50	Nickel	Bulk	LMR-100/A	Standard
12-135LR-B	50	Nickel	Bulk	LMR-100/A	Reverse Polarity

Straight Bulkhead Jack(female)

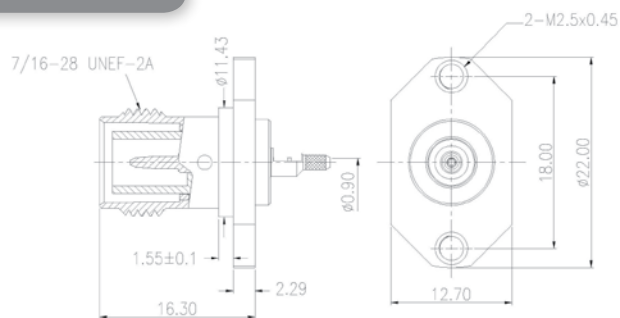


Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
12-135ER-B	50	Nickel	Bulk	1.13 mini coaxial	Reverse Polarity
12-135EB-B	50	Nickel	Bulk	1.13 mini coaxial	Standard
12-135EA-B	50	Nickel	Bulk	1.37 mini coaxial	Standard
12-135DR-B	50	Nickel	Bulk	RG-178 B/U;RG-196 A/U	Reverse Polarity
12-135EC-B	50	Nickel	Bulk	RG-178 B/U;RG-196 A/U	Standard

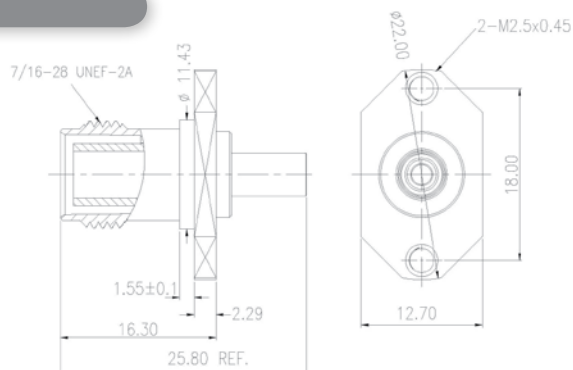
Straight Jack(female)



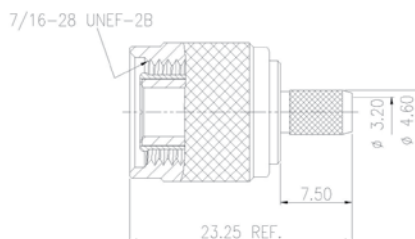
Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
12-130E0-B	50	Nickel	Bulk	2.5D-2V	Standard
12-130FR-B	50	Nickel	Bulk	Filotex 296769	Reverse Polarity
12-130F0-B	50	Nickel	Bulk	Filotex 296769	Standard
12-130AR-B	50	Nickel	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Reverse Polarity
12-130A0-B	50	Nickel	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Standard
12-130AP-B	50	Nickel	Bulk	RG-58 C/U;RG-303/U	Reverse Polarity
12-130BR-B	50	Nickel	Bulk	RG-58 C/U;RG-303/U	Standard

Straight Jack(female)


Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
12-139R0-B	50	Nickel	Bulk	1.13 mini coaxial	Reverse Polarity
12-142R0-B	50	Nickel	Bulk	1.37 mini coaxial	Reverse Polarity

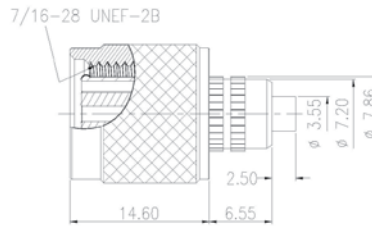
Straight Jack(female)


Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
12-141R0-B	50	Nickel	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Reverse Polarity
12-138R0-B	50	Nickel	Bulk	RG-178 B/U;RG-196 A/U	Reverse Polarity

Straight Plug(male)


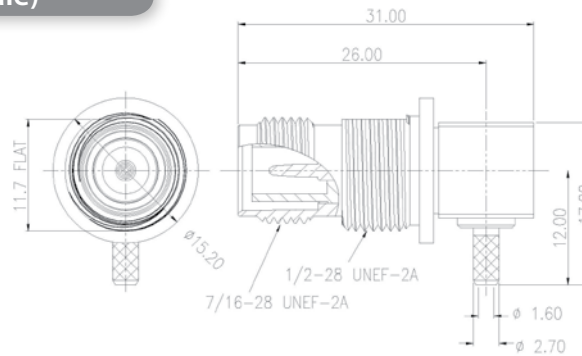
Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
12-131RB-B	50	Nickel	Bulk	Belden H155	Reverse Polarity
12-131RC-B	50	Nickel	Bulk	Filotex 296769	Reverse Polarity
12-131AB-B	50	Nickel	Bulk	LMR-200	Standard
12-131R2-B	50	Nickel	Bulk	LMR-240	Reverse Polarity
12-131CD-B	50	Nickel	Bulk	RD-316	Standard
12-131B0-B	50	Nickel	Bulk	RG-142 B/U;RG-223/U;RG-400/U	Standard
12-131RF-B	50	Nickel	Bulk	RG-142 B/U;RG-223/U;RG-400/U	Reverse Polarity
12-131C0-B	50	Nickel	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Standard
12-131A0-B	50	Nickel	Bulk	RG-58 C/U;RG-303/U	Standard
12-131R0-B	50	Nickel	Bulk	RG-58 C/U;RG-303/U	Reverse Polarity

Straight Plug(male)



Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
12-132C0-B	50	Black Chrome	Bulk	RG-178 B/U;RG-196 A/U	Standard
12-131RN-T	50	Black Chrome	Tray	RG-178 B/U;RG-196 A/U	Reverse Polarity

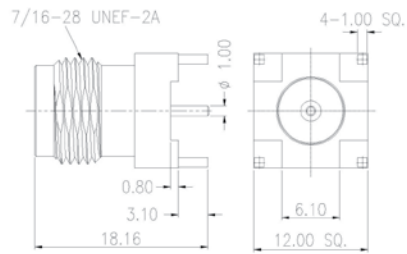
Right Angle Bulkhead Jack(female)



Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
12-109BR-B	50	Nickel	Bulk	LMR-100A	Reverse Polarity

Straight Jack(female)

PCB MOUNT



Alier P/N

Impedance

Plating

Packaging

Mounting Pattern

Note

12-002AA-T

50

Nickel

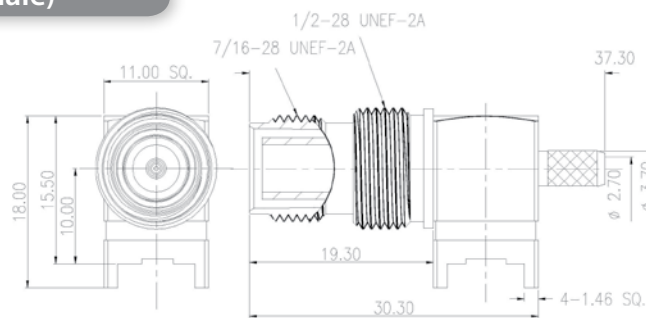
Tray

B65

Standard

Right Angle Bulkhead Jack(female)

PCB MOUNT & CABLE



Alier P/N

Impedance

Plating

Packaging

Mounting Pattern & Cable Type

Note

12-109AA-T

50

Nickel

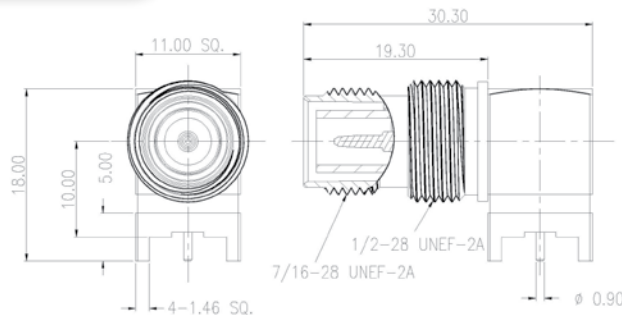
Tray

B67 & RG-174 / RG-316 cable

Reverse Polarity

Right Angle Bulkhead Jack(female)

PCB MOUNT



Alier P/N

Impedance

Plating

Packaging

Mounting Pattern

Note

12-109AR-T

50

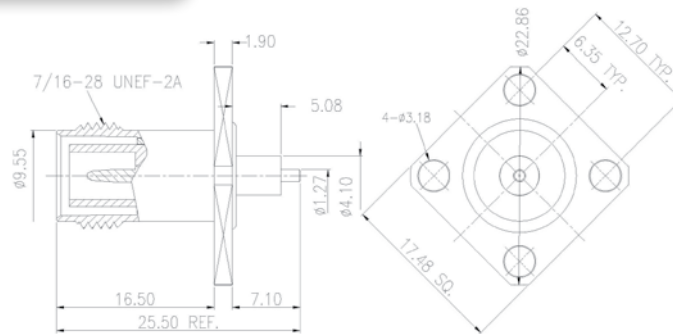
Nickel

Tray

B67

Reverse Polarity

Straight Jack(female)

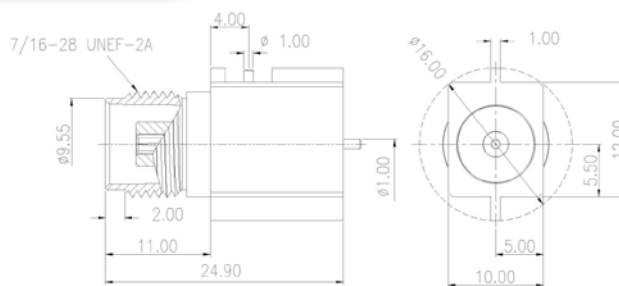


A liner P/N	Impedance	Plating	Packaging	Note
12-136CA-V	50	Tri-alloy	Single	Reverse Polarity

TNC SWITCH CONNECTOR

Straight Jack(female)

PCB EDGE MOUNT



A liner P/N	Impedance	Plating	Packaging	Mounting Pattern	Note
12-301AA-T	50	Gold	Tray	B84	Standard

N
G

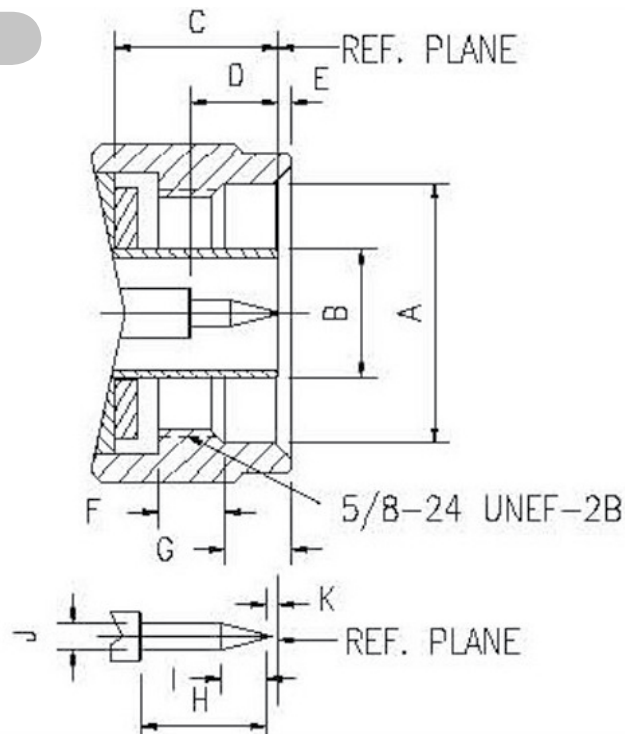
Type N

Type N - Description

Aliner N connectors are available with 50Ω and 75Ω impedance operating to 11GHz on semi-rigid cable. N connectors have variety of clamp and solder types.

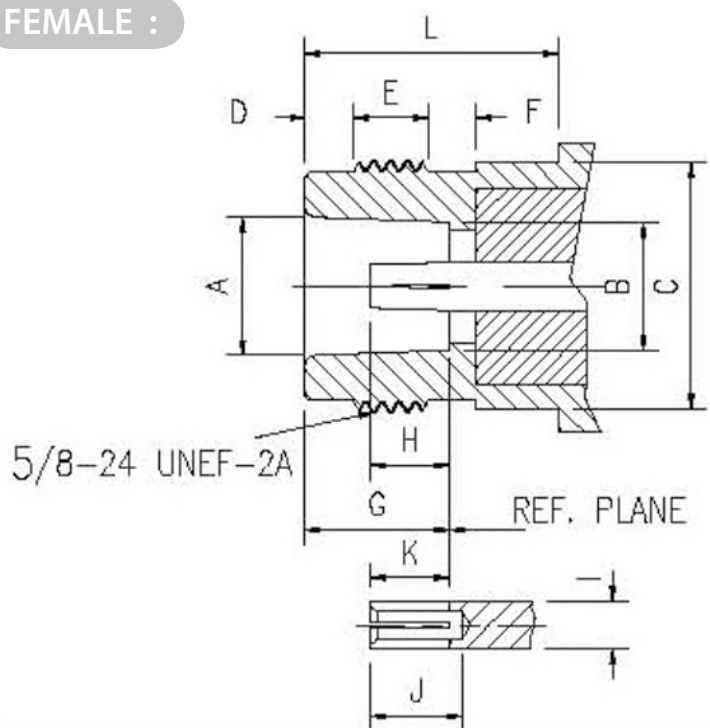
Interface Mating Dimensions

MALE :



LTR.	Millimeters / Inches			
	MINIMUM		MAXIMUM	
A -	Ø 16.0	Ø .630		
B -			Ø 8.38	Ø .330
C -	10.11	.398	10.46	.412
D -	5.33	.210	5.84	.230
E -	0.41	.016	1.52	.060
F -	4.50 / .177 full thread min.			
G -	4.01	.158	4.27	.168
H -	5.33	.210		
I -	2.80	.110	3.56	.140
J -	Ø 1.60	Ø .063	Ø 1.68	Ø .066
K -	0.08	.003		

FEMALE :



LTR.	Millimeters / Inches			
	MINIMUM		MAXIMUM	
A -	Ø 8.53	Ø .336	Ø 8.74	Ø .344
B -	Ø 8.03	Ø .316	Ø 8.13	Ø .320
C -			Ø 15.93	Ø .627
D -	1.19	.047	1.96	.077
E -	4.37	.172	5.13	.202
F -	1.19	.047	1.96	.077
G -	9.04	.356	9.19	.363
H -	4.75	.187	5.26	.207
I -	Ø 3.00	Ø .118	Ø 3.15	Ø .124
J -	5.33	.210		
K -	4.75	.187	5.26	.207
L -	10.72	.422		



Technical Data

Material / Finish :

	Material	Finish
Connector body	Brass per (QQ-B-626 or JIS-C3604B)	Nickel or Tri-alloy 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
Gasket	Silicone rubber	None

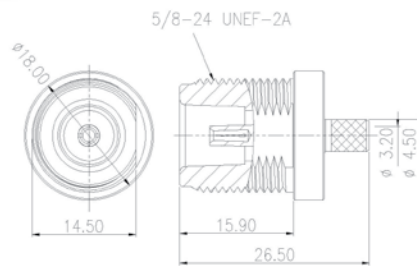
Electrical :

Nominal impedance	50 Ω
Frequency up to	11 GHz
VSWR	$1.15 + 0.02f \times \text{GHz}$ max.
Working voltage	500 Volts rms.
Dielectric withstanding voltage	2500 Volts rms.
Insulation resistance	5000 M Ω min.
Contact resistance	center conductor 1.5 m Ω outer conductor 1.5 m Ω

Mechanical & Environmental :

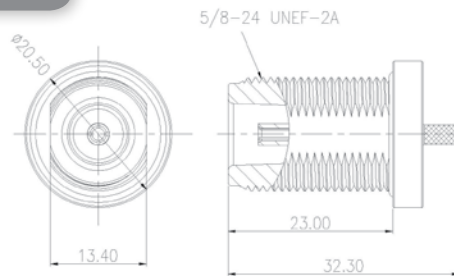
Mating	5/8"-24 UNEF thread coupling
Cable retention	10 kgf typical
Durability	≥ 500 cycles
Coupling nut retention	20 kgf min.
Temperature range	-55 °C to 155°C
Vibration	Per MIL-STD-202 Method 204 Test Condition D
Corrosion	Per MIL-STD-202 Method 101 Test Condition B

Straight Bulkhead Jack(female)



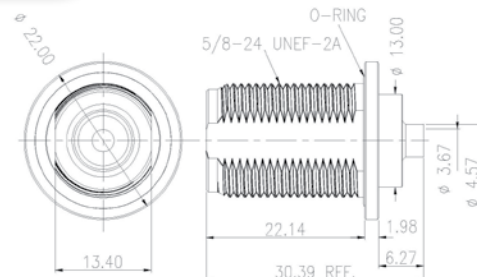
Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
18-234A0-B	50	Nickel	Bulk	Belden H155	Standard
18-233B0-B	50	Nickel	Bulk	LMR-400	Standard
18-233A0-B	50	Nickel	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Standard
18-234B0-B	50	Nickel	Bulk	RG-178 B/U;RG-196 A/U	Standard
18-231A0-B	50	Nickel	Bulk	RG-58 C/U;RG-303/U	Standard

Straight Bulkhead Jack(female)



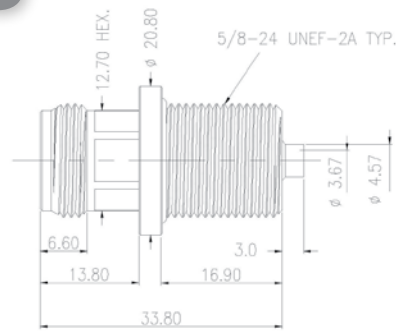
Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
18-234F0-B	50	Nickel	Bulk	1.13 mini coaxial	Standard
18-234GL-B	50	Nickel	Bulk	LMR-240	Standard
18-234D0-B	50	Nickel	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Standard
18-234C2-B	50	Nickel	Bulk	RG-58 C/U;RG-303/U	Standard

Straight Bulkhead Jack(female)



Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
18-234H0-B	50	Nickel	Bulk	.085 semi-rigid	Standard
18-234G0-B	50	Nickel	Bulk	.141 semi-rigid	Standard
18-234GD-B	50	Nickel	Bulk	1.37 mini coaxial	Standard
18-234GG-B	50	Nickel	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Standard
18-234G1-B	50	Nickel	Bulk	RG-178 B/U;RG-196 A/U	Standard

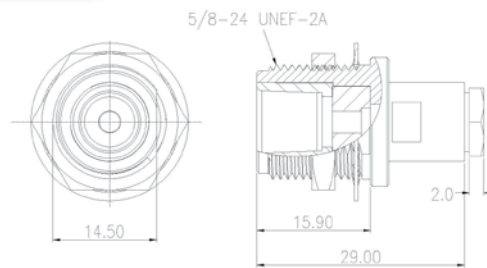
Straight Bulkhead Jack(female)



Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
18-234GJ-V	50	Nickel	Single	.085 semi-rigid	Standard
18-234GK-T	50	Nickel	Tray	1.32 mini coaxial	Standard
18-234GH-V	50	Nickel	Single	RG-174/U;RG-188 A/U;RG-316/U	Standard

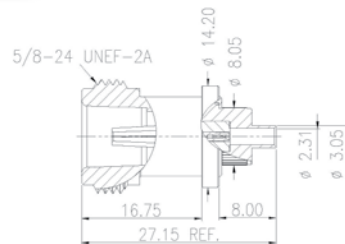
Straight Jack(female)

CLAMP TYPE



Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
18-104A0-B	50	Nickel	Bulk	Filotex 296769	Standard
18-104D0-B	50	Nickel	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Standard
18-104AB-B	50	Nickel	Bulk	RG-178 B/U;RG-196 A/U	Standard

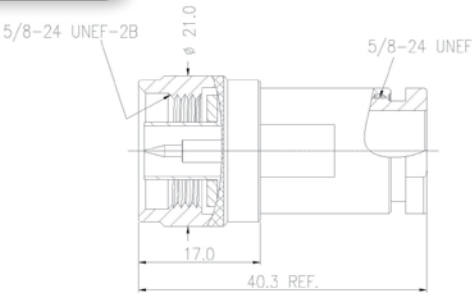
Straight Jack(female)



Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
18-105VA-B	50	Silver	Bulk	.085 semi-rigid	Standard
18-105VD-B	50	Nickel	Bulk	.085 semi-rigid	Standard
18-105VB-B	50	Nickel	Bulk	.141 semi-rigid	Standard

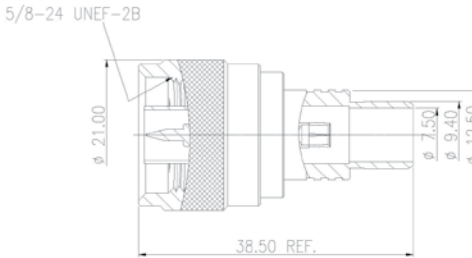
Straight Plug(male)

CLAMP TYPE



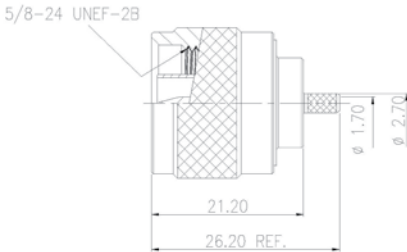
Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
18-101B0-B	50	Nickel	Bulk	Filotex 296769	Standard
18-101A0-B	50	Nickel	Bulk	RG-8/D	Standard

Straight Plug(male)



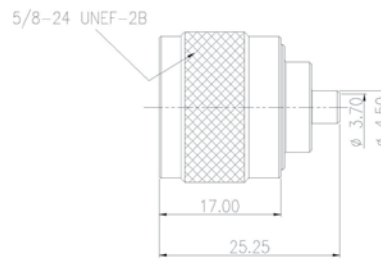
Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
18-130CF-B	50	Nickel	Bulk	LMR-400	Standard

Straight Plug(male)



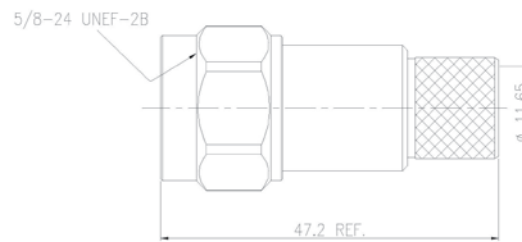
Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
18-130CB-B	50	Nickel	Bulk	Belden H1001	Standard
18-130BH-B	50	Nickel	Bulk	Belden H155	Standard
18-130A0-B	50	Nickel	Bulk	Filotex 296769	Standard
18-131BC-B	50	Nickel	Bulk	LMR-100A	Standard
18-130BA-B	50	Nickel	Bulk	LMR-240	Standard
18-130CD-B	50	Nickel	Bulk	LMR-400	Standard
18-131BA-B	50	Nickel	Bulk	RG-142 B/U;RG-223/U;RG-400/U	Standard
18-131BB-B	50	Nickel	Bulk	RG-174/U;RG-188 A/U;RG-316/U	Standard
18-131B0-B	50	Nickel	Bulk	RG-58 C/U;RG-303/U	Standard

Straight Plug(male)



Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
18-130GA-B	50	Nickel	Bulk	.141 semi-rigid	Standard
18-130GD-B	50	Nickel	Bulk	1.37 mini coaxial	Standard
18-130G0-B	50	Nickel	Bulk	RG-178 B/U;RG-196 A/U	Standard

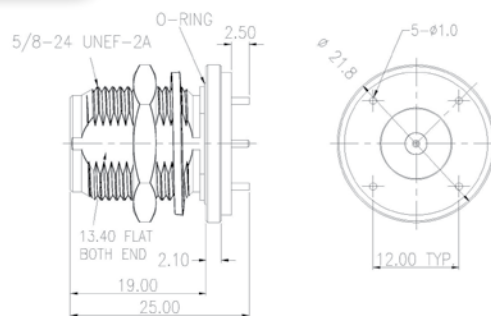
Straight Plug(male)



Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
18-132A0-B	50	Tri-alloy	Bulk	LMR-600	Standard
18-132AA-V	50	Silver	Single	LMR-600	Standard

Bulkhead Jack(female)

PCB MOUNT



Aliner P/N

18-002AA-T

Impedance

50

Plating

Tri-alloy

Packaging

Tray

Mounting Pattern

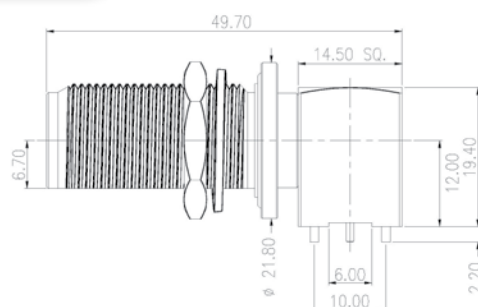
B04

Note

Standard

Right Angle Bulkhead Jack(female)

PCB MOUNT



Aliner P/N

18-108A0-T

Impedance

50

Plating

Nickel

Packaging

Tray

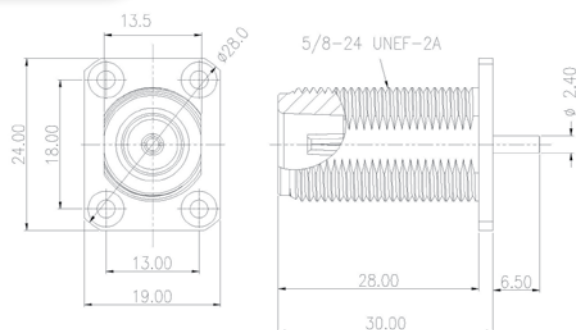
Mounting Pattern

B05

Note

Standard

Straight Bulkhead Jack(female)



A liner P/N

Impedance

Plating

Packaging

Note

18-002BA-T

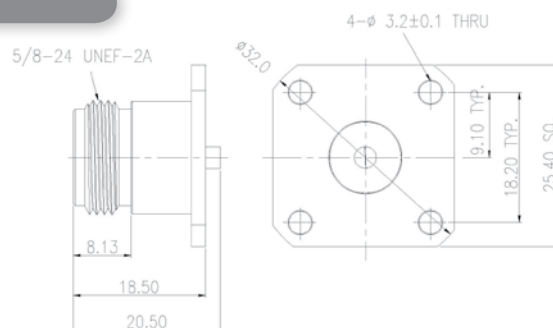
50

Nickel

Tray

Standard

Straight Jack(female)



A liner P/N

Impedance

Plating

Packaging

Note

18-102F0-T

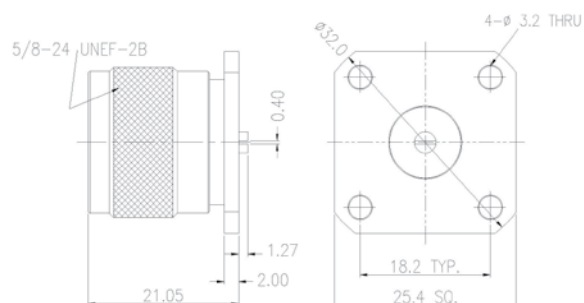
50

Nickel

Tray

Standard

Straight Plug(male)



A liner P/N

Impedance

Plating

Packaging

Note

18-104B0-B

50

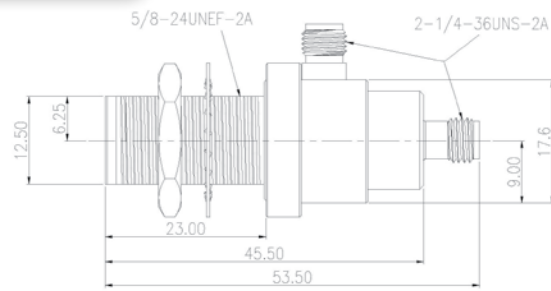
Nickel

Bulk

Standard

Bulkhead Jack(female)

SWITCH WITH SMA PORT



Aliner P/N
18-501AA-V

Impedance
50

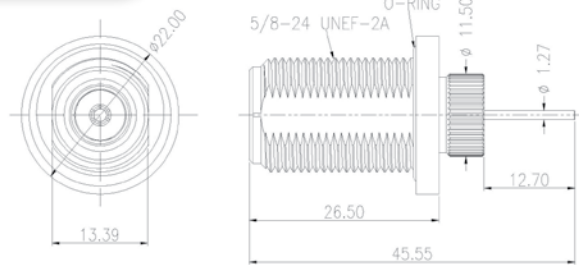
Plating
Nickel

Packaging
Single

Note
Standard

Type N PRESS FIT

Straight Bulkhead Jack(female)



Aliner P/N
18-015B0-B

Impedance
50

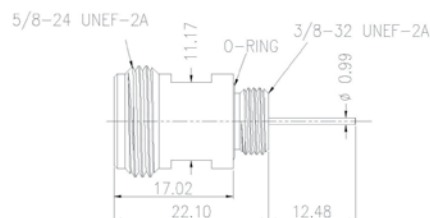
Plating
Nickel

Packaging
Bulk

Note
Standard

Type N FEED THROUGH

Straight Jack(female)



Aliner P/N
18-015A0-B

Impedance
50

Plating
Nickel

Packaging
Bulk

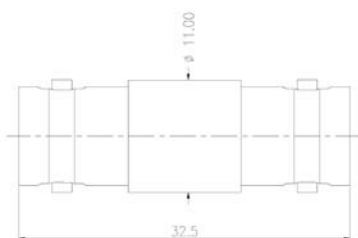
Note
Standard



1 14-170AA-B

BNC jack (f)
BNC jack (f)

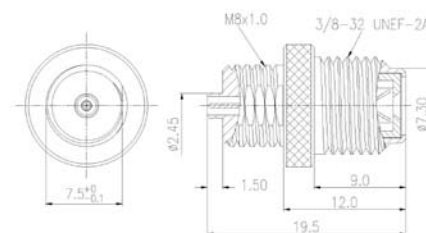
Note :



4 14-110AB-B

H.FL plug (m)
Type F jack (f)

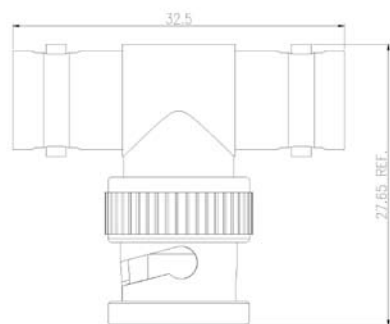
Note :



2 14-170AB-B

BNC jack (f)
BNC plug (m)

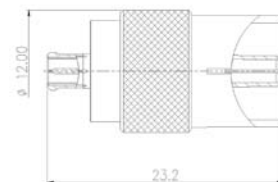
Note :



5 14-220AA-B

MCX plug (m)
PAL jack (f)

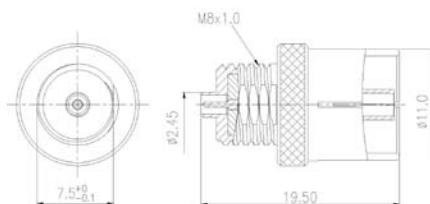
Note :



3 14-110AA-B

H.FL plug (m)
PAL jack (f)

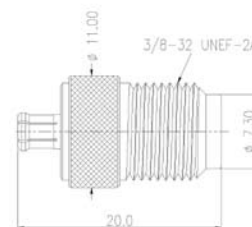
Note :



6 14-220AB-B

MCX plug (m)
Type F jack (f)

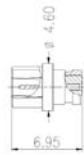
Note :



7

14-205AA-B

MS-147 plug (m)
MS-147 jack (f)

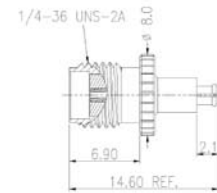


Note :

11

14-231A0-B

SMA jack (f)
MC-CARD plug (m)

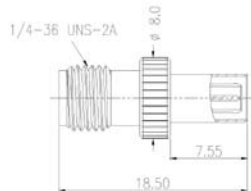


Note :

8

14-210A0-B

SMA jack (f)
1.0/2.3 plug (m)

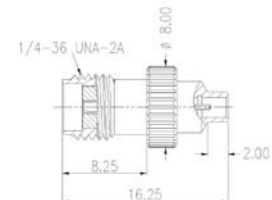


Note :

12

14-230A0-B

SMA jack (f)
MC-CARD jack (f)

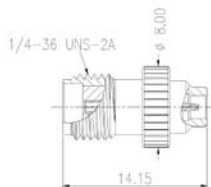


Note :

9

14-233B0-B

SMA jack (f)
ACX jack (f)

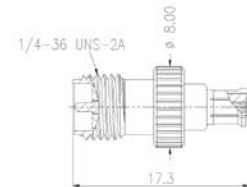


Note :

13

14-220A0-B

*SMA jack (f)
*MCX plug (m)



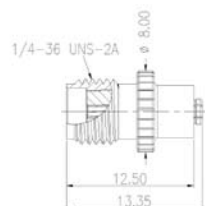
Note :

*SMA Reverse Polarity
*MCX Reverse Polarity

10

14-232B0-B

SMA jack (f)
ACX plug (m)



Note :

14

14-201DB-B

SMA jack (f)
*MCX jack (f)



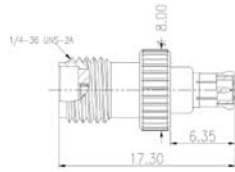
Note :

SMA standard
*MCX Reverse Polarity

15

14-221A0-B

SMA jack (f)
MCX plug (m)

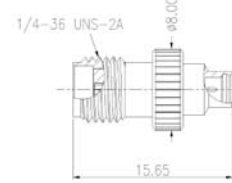


Note :

19

14-256A0-B

SMA jack (f)
*MMCX jack (f)



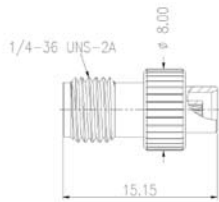
Note :

SMA Standard
*MMCX Reverse Polarity

16

14-222A0-T

SMA jack (f)
MCX jack (f)

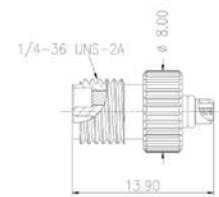


Note :

20

14-201C0-B

*SMA jack (f)
*MMCX plug (m)



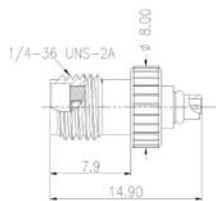
Note :

*SMA Reverse Polarity
*MMCX Reverse Polarity

17

14-201A0-B

SMA jack (f)
MMCX plug (m)

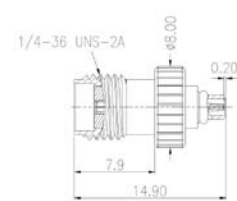


Note :

21

14-201B0-B

SMA jack (f)
*MMCX plug (m)



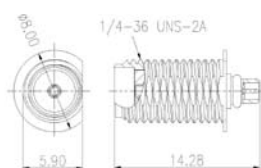
Note :

SMA Standard
*MMCX Reverse Polarity

18

14-251A0-B

SMA jack (f)
MMCX plug (m)

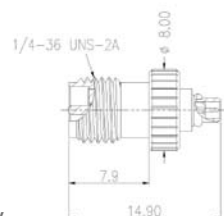


Note :

22

14-201AR-B

*SMA jack (f)
MMCX plug (m)



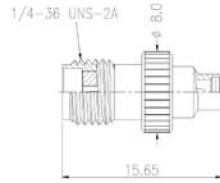
Note :

*SMA Reverse Polarity
MMCX Standard

23

14-250A0-B

SMA jack (f)
MMCX jack (f)

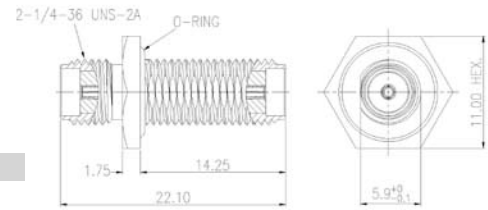


Note :

27

14-105AB-B

SMA jack (f)
SMA jack (f)

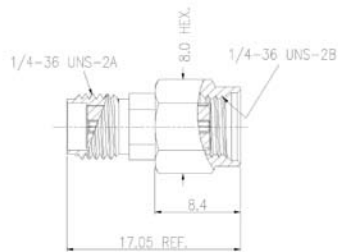


Note :

24

14-235A0-B

SMA jack (f)
*SMA plug (m)



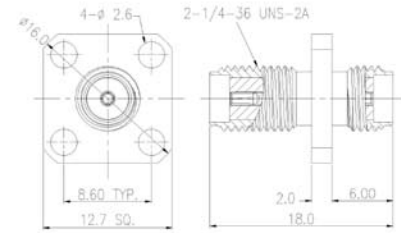
Note :

SMA Standard
*SMA Reverse Polarity

28

14-105A0-B

SMA jack (f)
SMA jack (f)

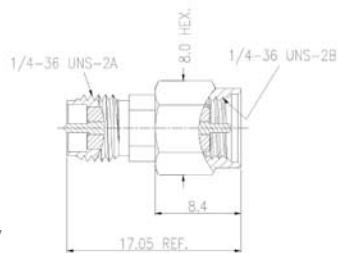


Note :

25

14-234B0-B

*SMA jack (f)
SMA plug (m)



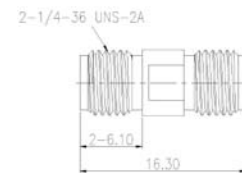
Note :

*SMA Reverse Polarity
SMA Standard

29

14-105B0-B

SMA jack (f)
SMA jack (f)

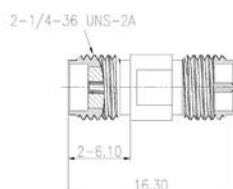


Note :

26

14-105BA-B

SMA jack (f)
*SMA jack (f)



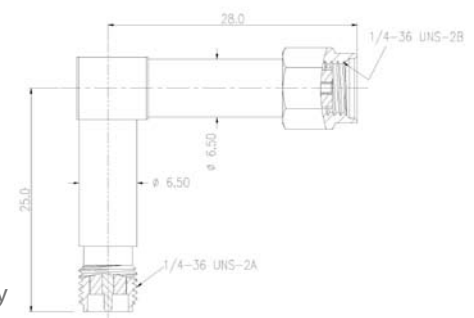
Note :

SMA standard
*SMA Reverse Polarity

30

14-109AA-B

*SMA jack (f)
*SMA plug (m)



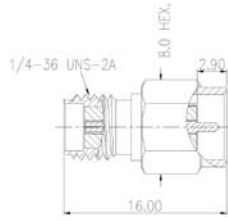
Note :

*SMA Reverse Polarity
*SMA Reverse Polarity

31

14-236A0-B

SMA jack (f)
SMA plug (m)

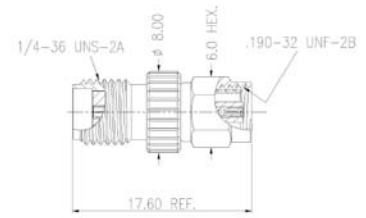


Note :

35

14-101AB-B

SMA jack (f)
SMC plug (m)

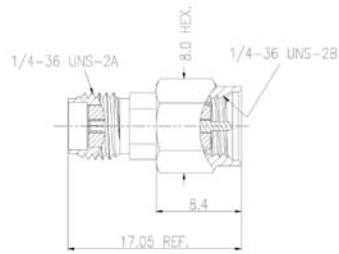


Note :

32

14-234A0-B

SMA jack (f)
SMA plug (m)

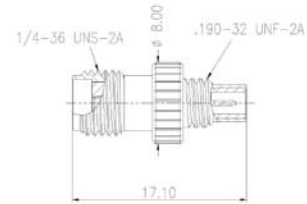


Note :

36

14-101AA-B

SMA jack (f)
SMC jack (f)

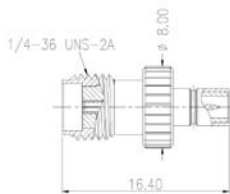


Note :

33

14-201CA-B

SMA jack (f)
SMB jack (f)

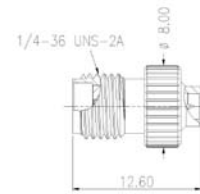


Note :

37

14-223A0-B

SMA jack (f)
SMCX jack (f)

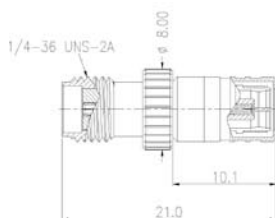


Note :

34

14-201CB-B

SMA jack (f)
SMB plug (m)

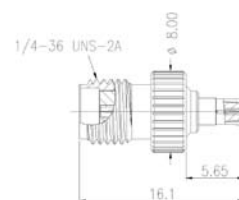


Note :

38

14-223B0-B

SMA jack (f)
SMCX plug (m)

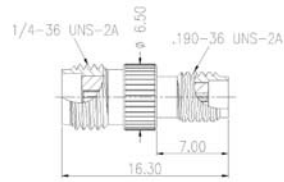


Note :

39

14-259A0-B

SMA jack (f)
SSMA jack (f)

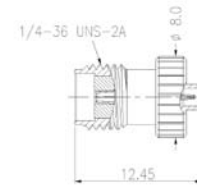


Note :

43

14-224A3-B

SMA jack (f)
SSMCX jack (f)

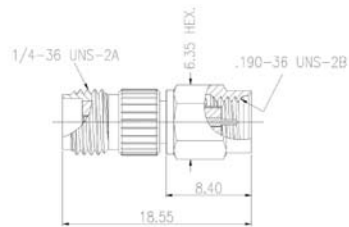


Note :

40

14-258A0-B

SMA jack (f)
SSMA plug (m)

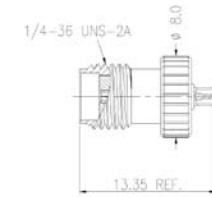


Note :

44

14-224A2-B

SMA jack (f)
SSMCX plug (m)

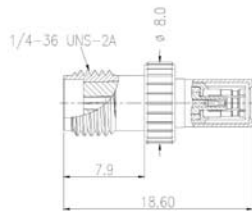


Note :

41

14-242A0-T

SMA jack (f)
SSMB plug (m)

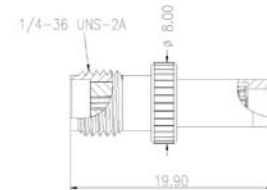


Note :

45

14-240A0-B

SMA jack (f)
SSWI plug (m)

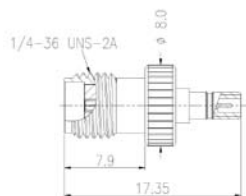


Note :

42

14-241A0-B

SMA jack (f)
SSMB jack (f)

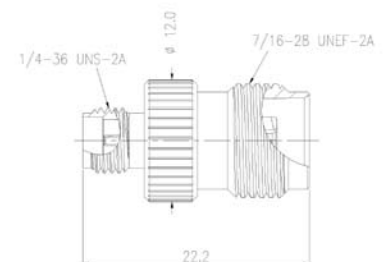


Note :

46

14-257BC-B

SMA jack (f)
TNC jack (f)

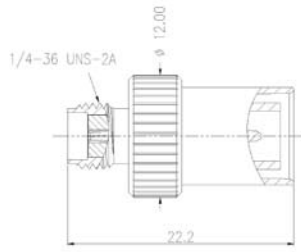


Note :

47

14-257BB-B

SMA jack (f)
 *TNC jack (f)



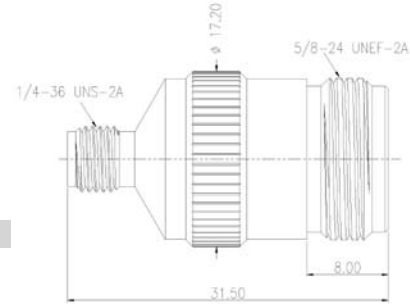
Note :

SMA Standard
 *TNC Reverse Polarity

51

14-103AA-B

SMA jack (f)
 Type N jack (f)

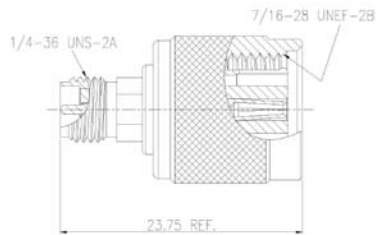


Note :

48

14-257B0-B

*SMA jack (f)
 *TNC plug (m)



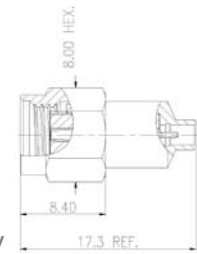
Note :

*SMA Reverse Polarity
 *TNC Reverse Polarity

52

14-130A0-B

*SMA plug (m)
 MC-CARD jack (f)



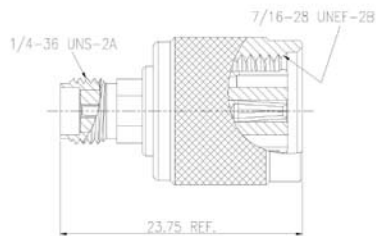
Note :

*SMA Reverse Polarity
 MC-CARD Standard

49

14-257C0-B

SMA jack (f)
 *TNC plug (m)



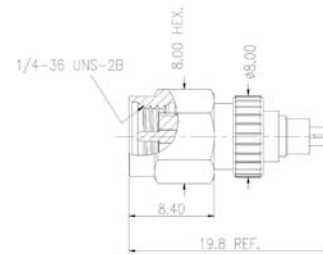
Note :

SMA Standard
 *TNC Reverse Polarity

53

14-202B0-B

SMA plug (m)
 MC-CARD plug (m)

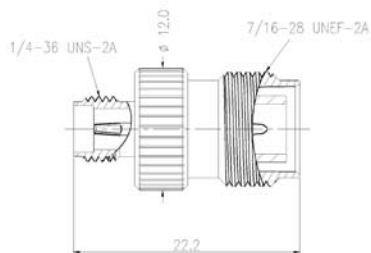


Note :

50

14-257BA-B

SMA jack (f)
 *TNC jack (f)



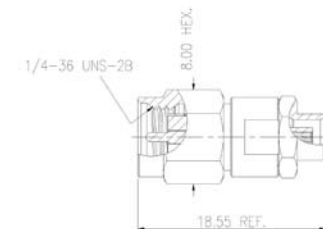
Note :

SMA Standard
 *TNC Reverse Polarity

54

14-255A0-T

SMA plug (m)
 MCX jack (f)

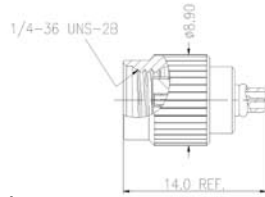


Note :

55

14-202AR-B

*SMA plug (m)
MMCX plug (m)



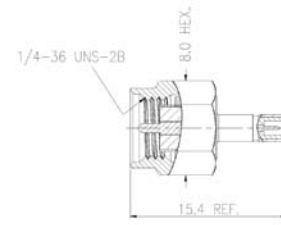
Note :

*SMA Reverse Polarity
MMCX Standard

59

14-225A0-B

SMA plug (m)
SSMB jack (f)

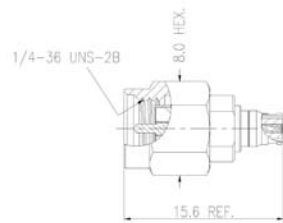


Note :

56

14-120AA-B

SMA plug (m)
SMP plug (m)

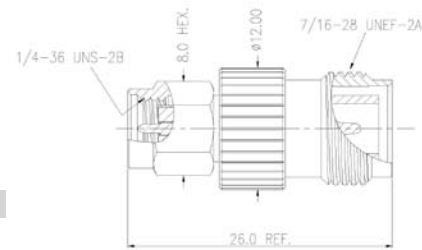


Note :

60

14-253A0-B

SMA plug (m)
*TNC jack (f)



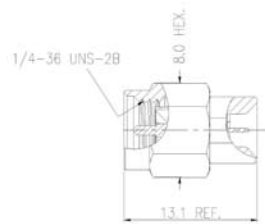
Note :

SMA Standard
*TNC Reverss Polarity

57

14-120AB-B

SMA plug (m)
SMP jack (f)

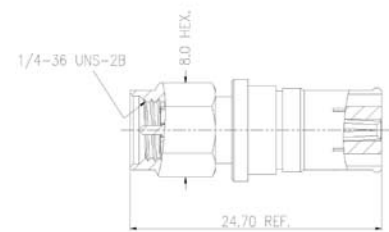


Note :

61

14-252AA-T

SMA plug (m)
*TNC plug (m)



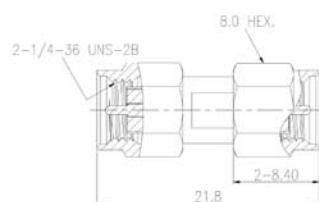
Note :

SMA Standard
*TNC Reverse Polarity

58

14-108A0-B

SMA plug (m)
SMA plug (m)

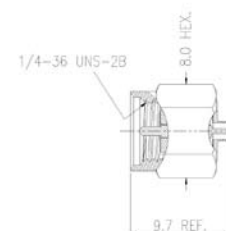


Note :

62

14-263C0-B

SMA plug (m)
U.FL plug (m)

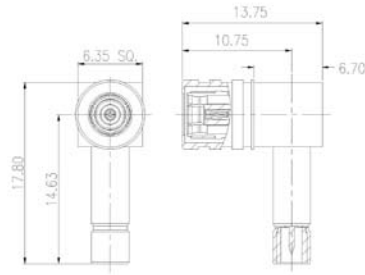


Note :

63

14-208A0-B

SMB jack (f)
SMB plug (m)

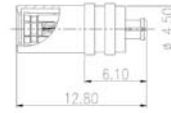


Note :

67

14-262B0-B

SSMB plug (m)
MC-CARD plug (m)

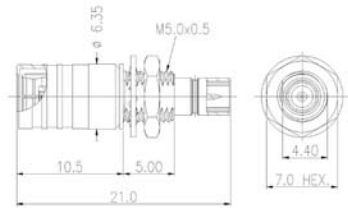


Note :

64

14-201CC-B

SMB jack (f)
SMB plug (m)

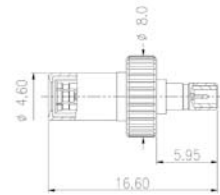


Note :

68

14-260A0-B

SSMB plug (m)
SSMB jack (f)

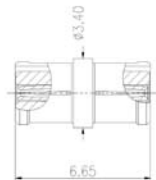


Note :

65

14-005AA-B

SMP plug (m)
SMP plug (m)

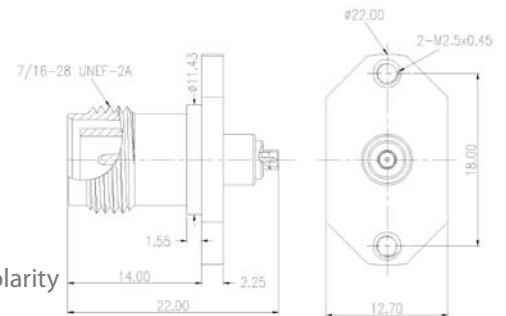


Note :

69

14-141A0-B

*TNC jack (f)
U.FL plug (m)



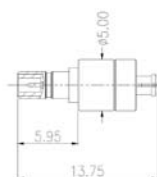
Note :

*TNC Reverse Polarity
U.FL Standard

66

14-261B0-B

SSMB jack (f)
MC-CARD plug (m)

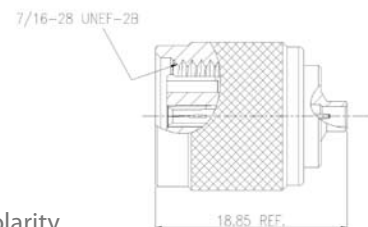


Note :

70

14-257A0-B

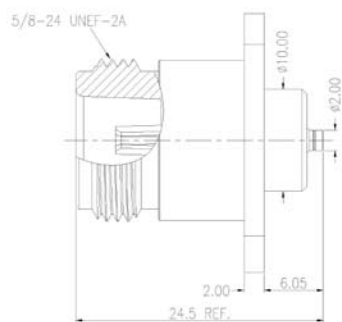
*TNC plug (m)
MC-CARD jack (f)



Note :

*TNC Reverse Polarity
MC-CARD Standard

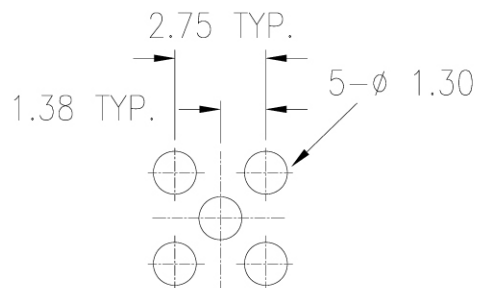
Type N jack (f)
U.FL plug (m)



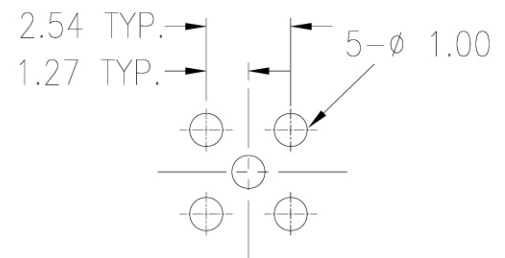
Note :

PCB Layout

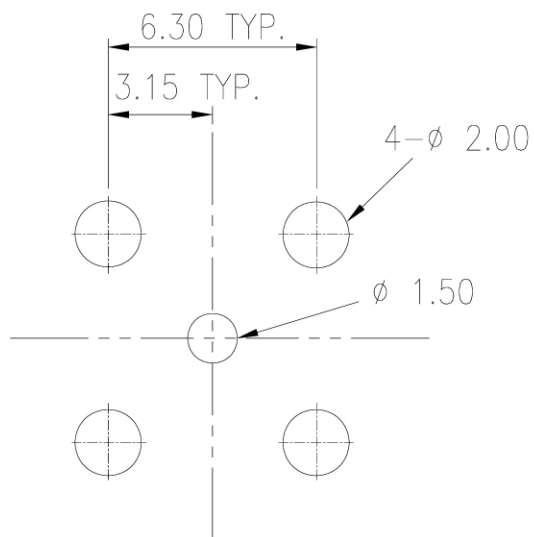
B001



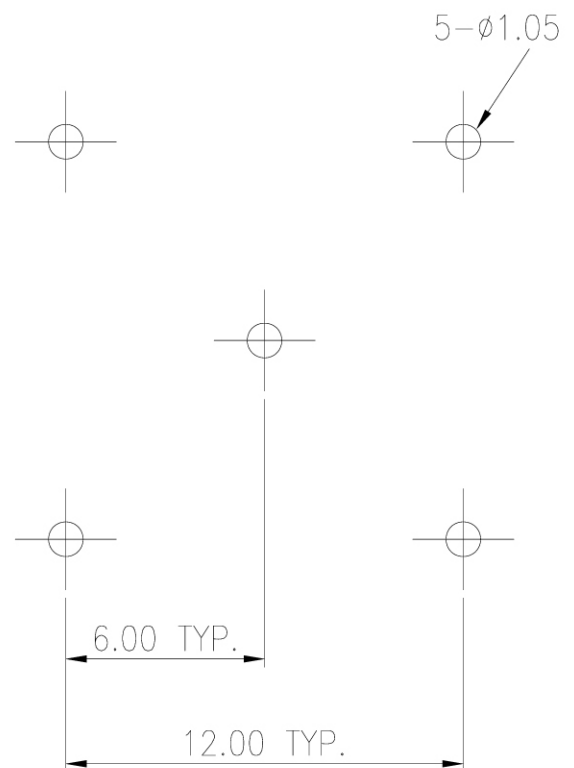
B002



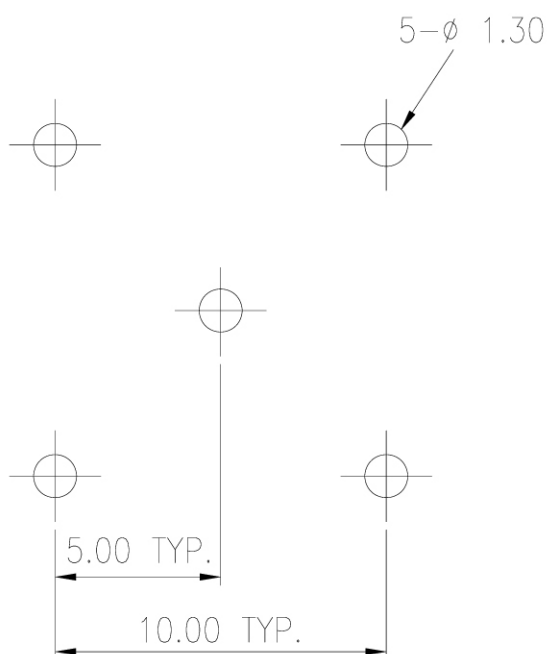
B003



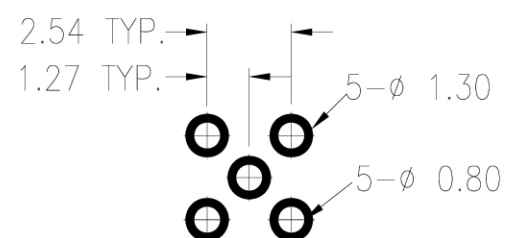
B004



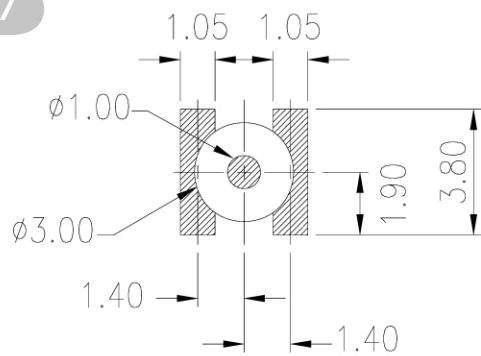
B005



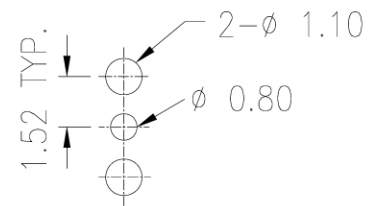
B006



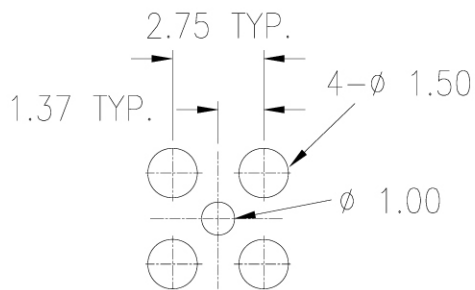
B007



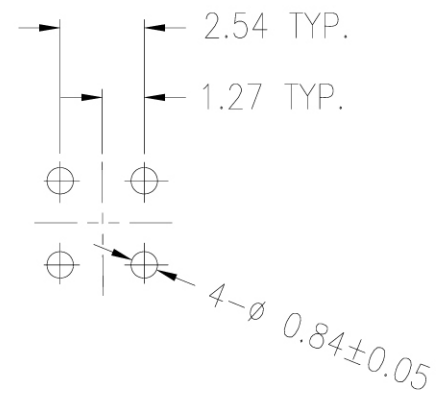
B008



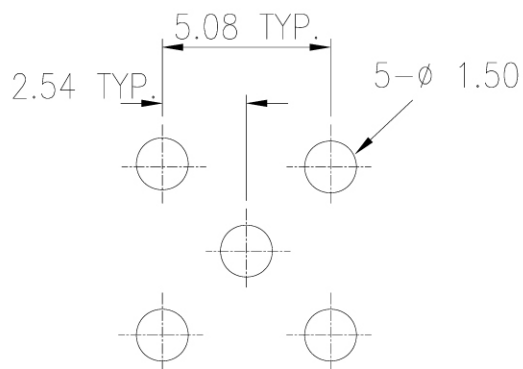
B009



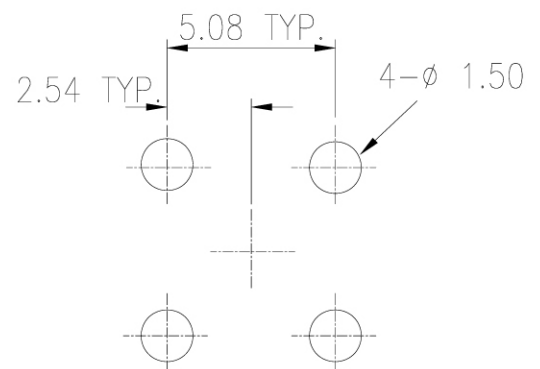
B010



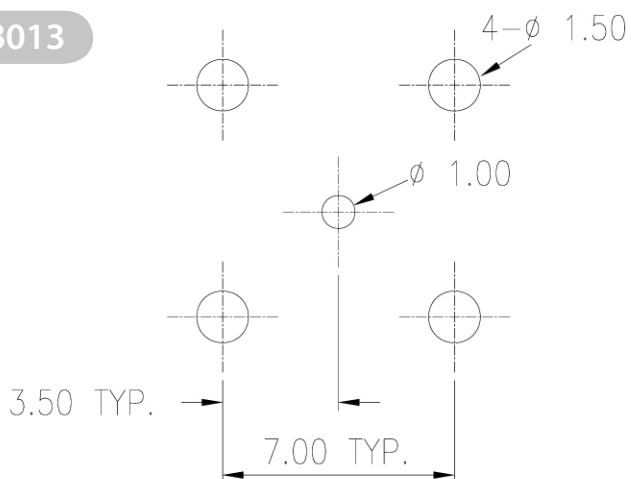
B011



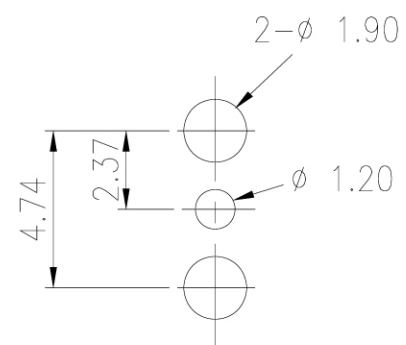
B012



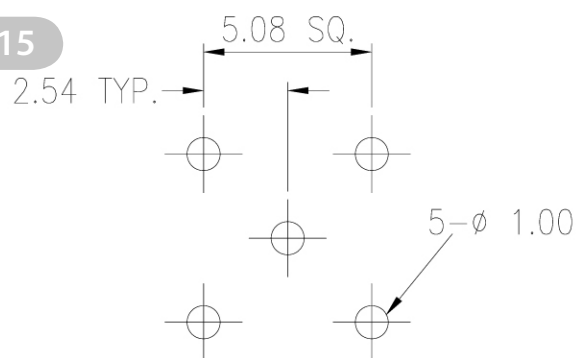
B013



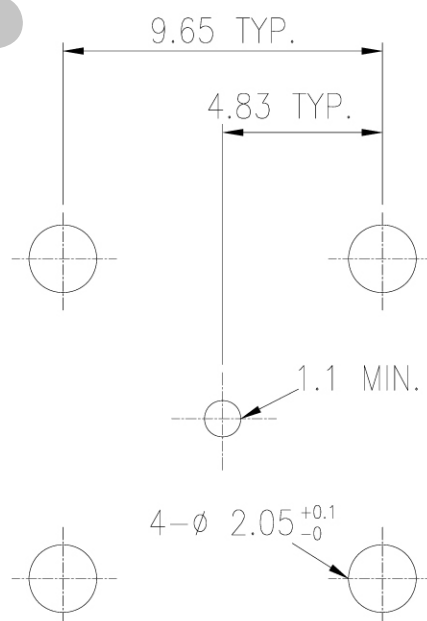
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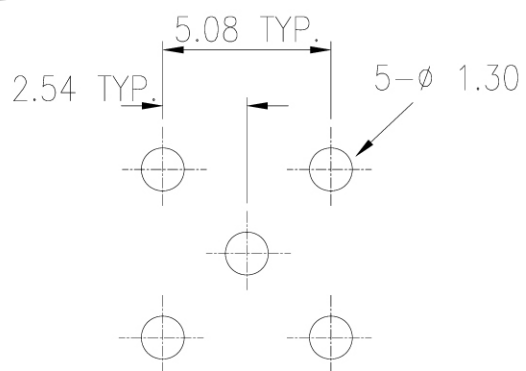
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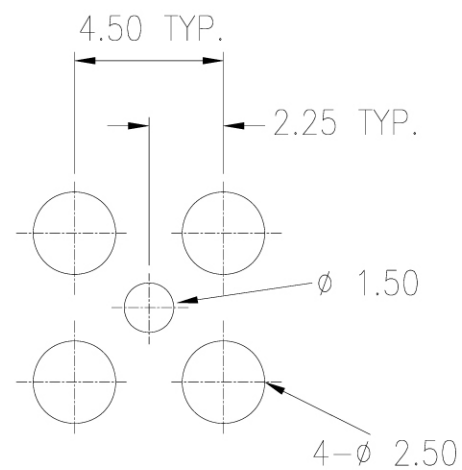
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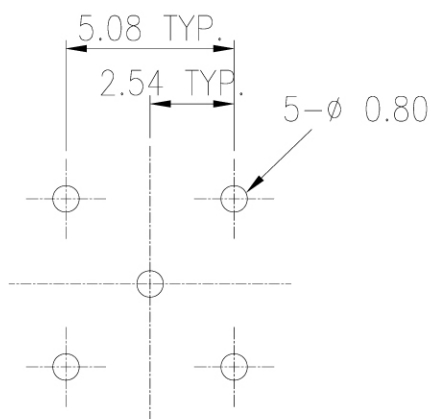
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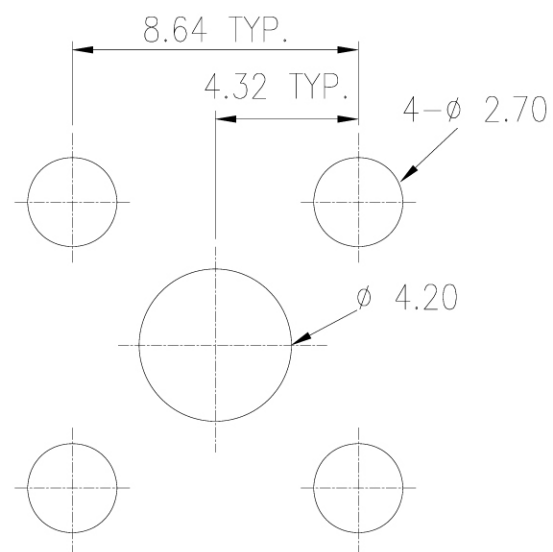
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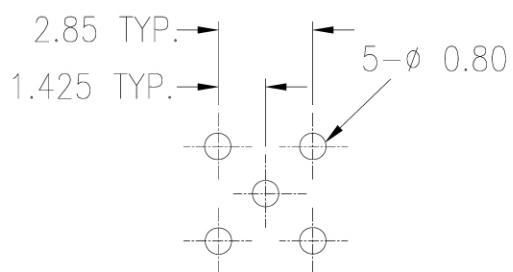
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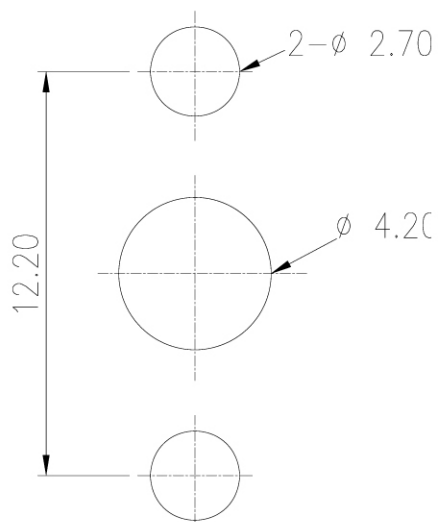
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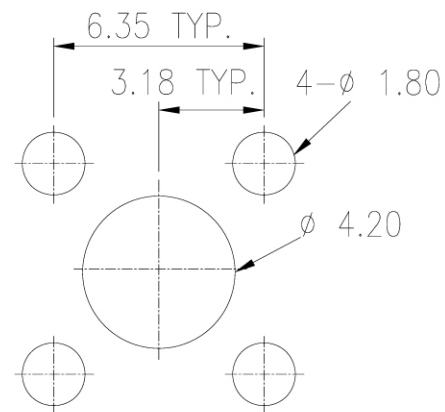
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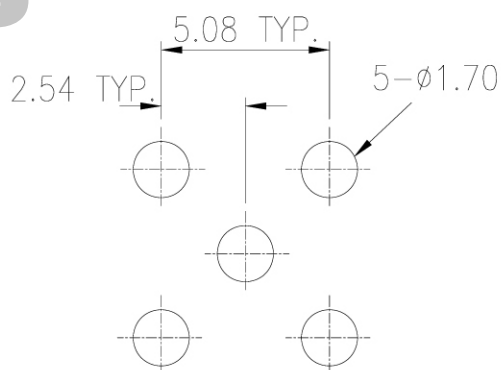
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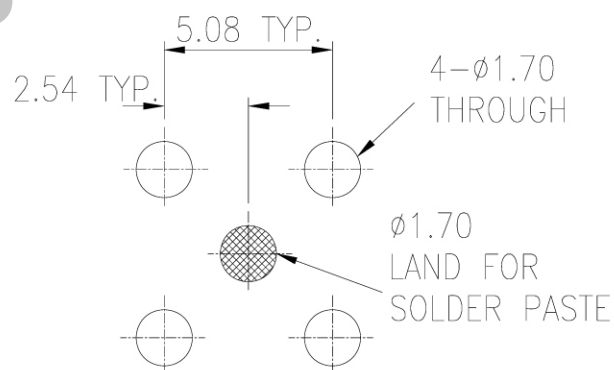
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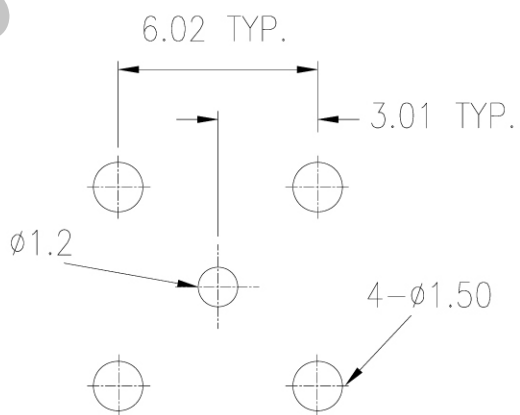
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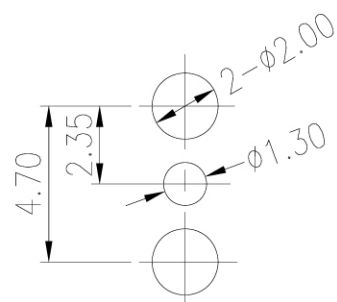
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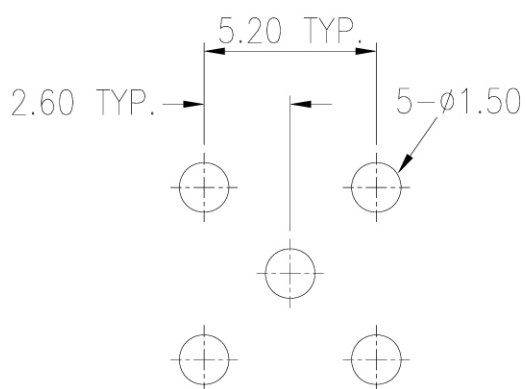
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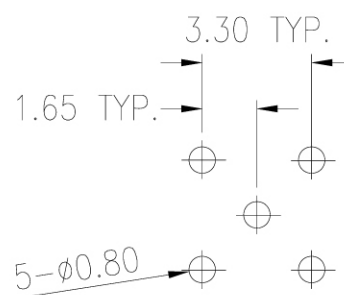
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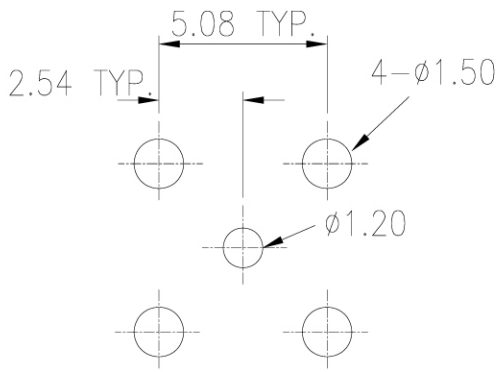
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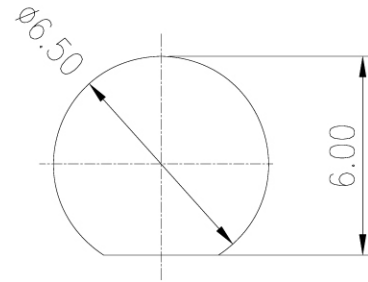
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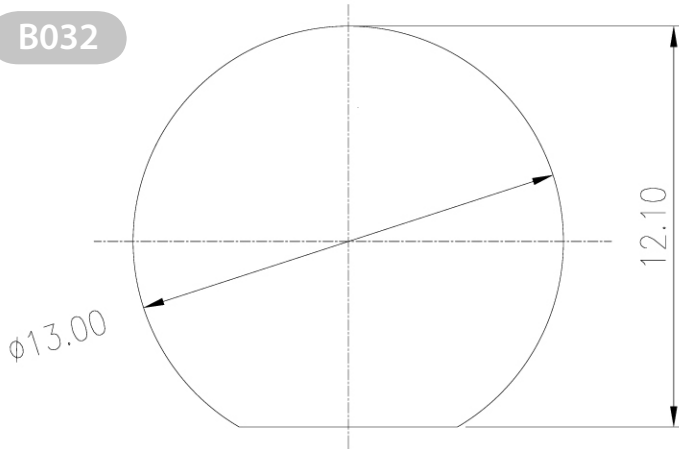
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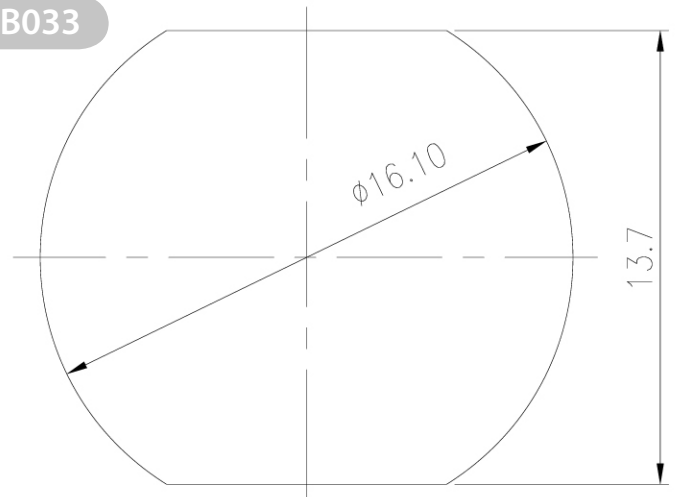
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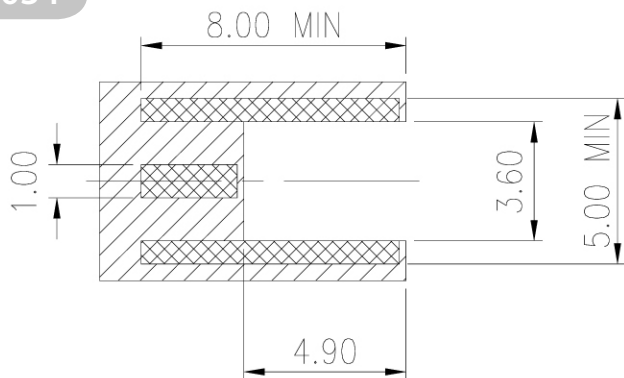
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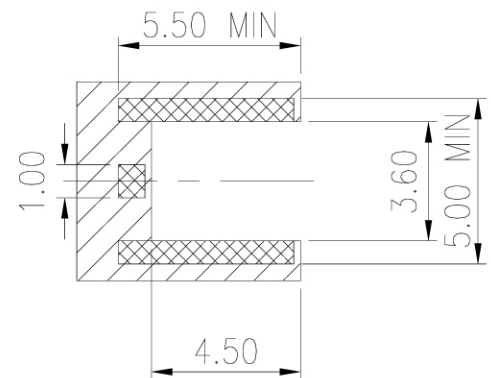
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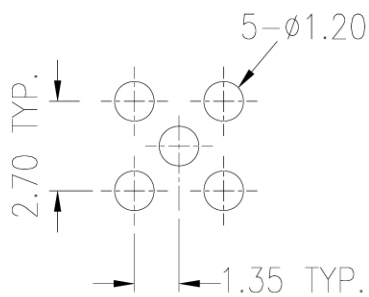
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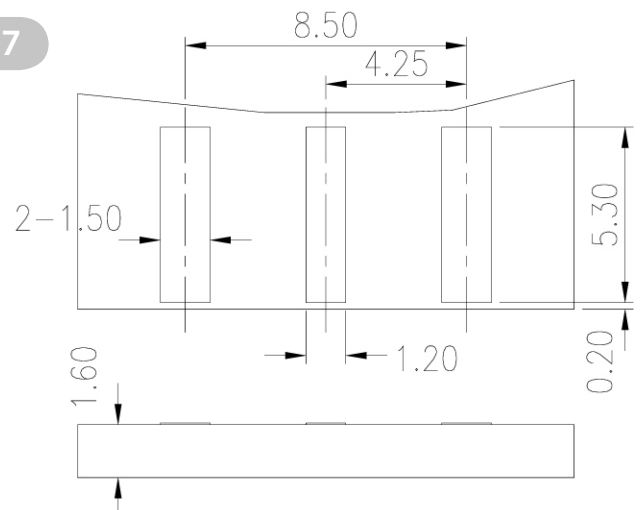
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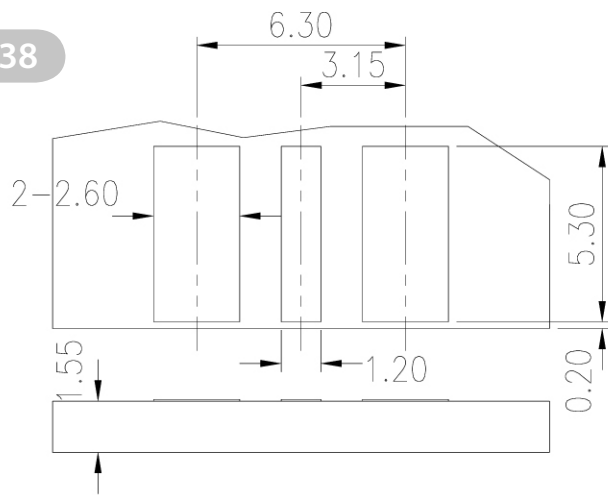
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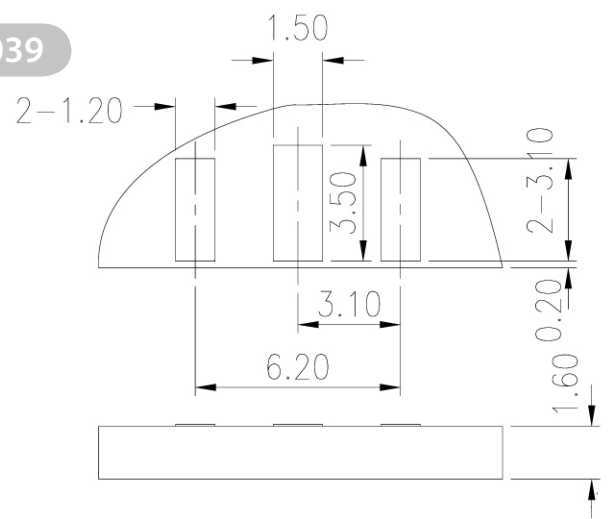
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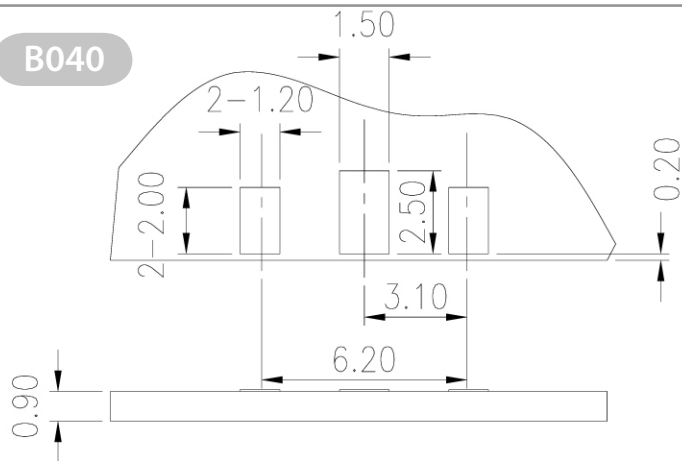
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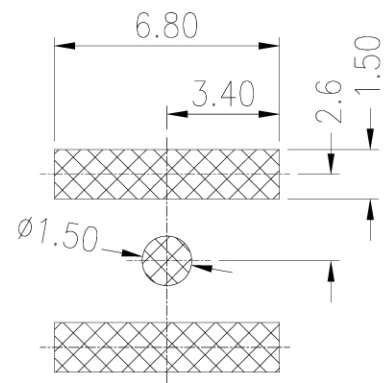
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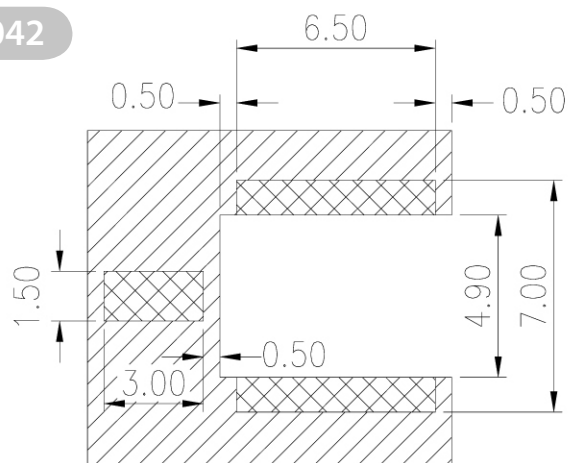
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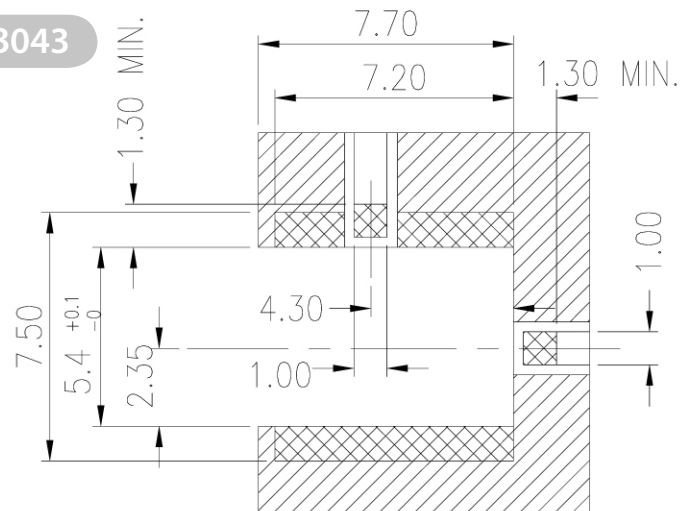
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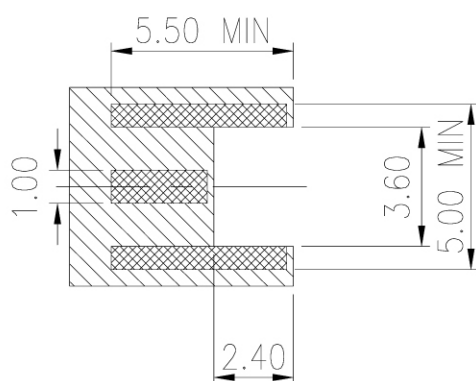
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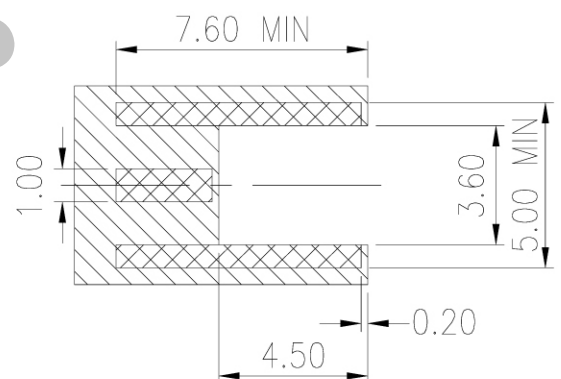
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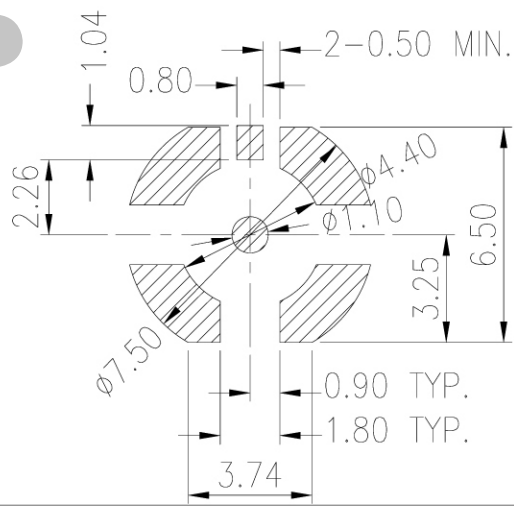
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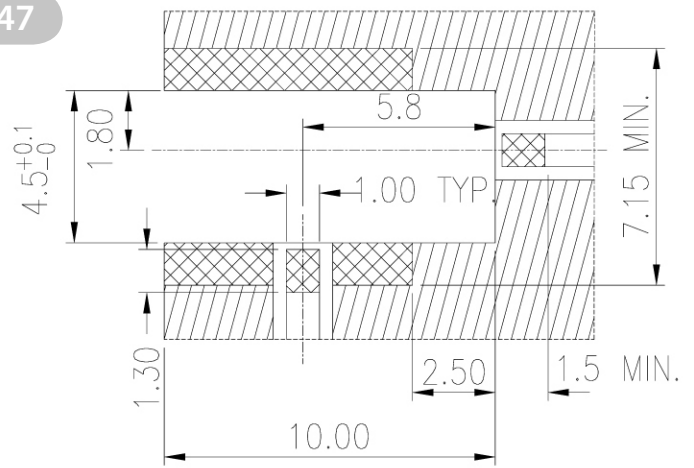
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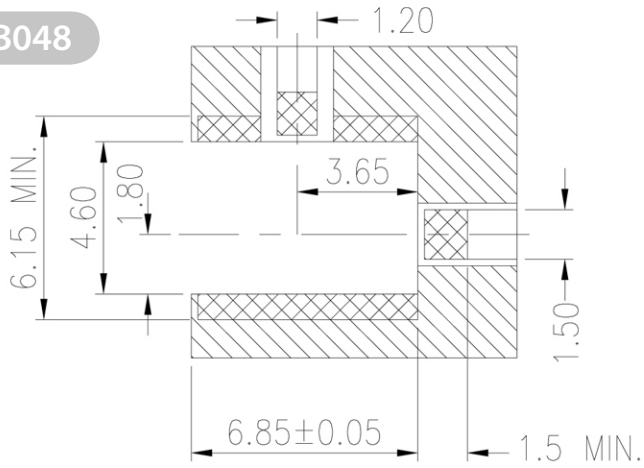
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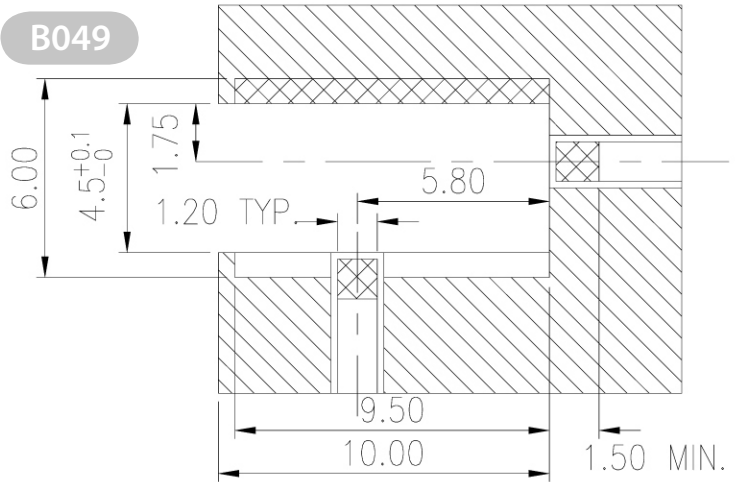
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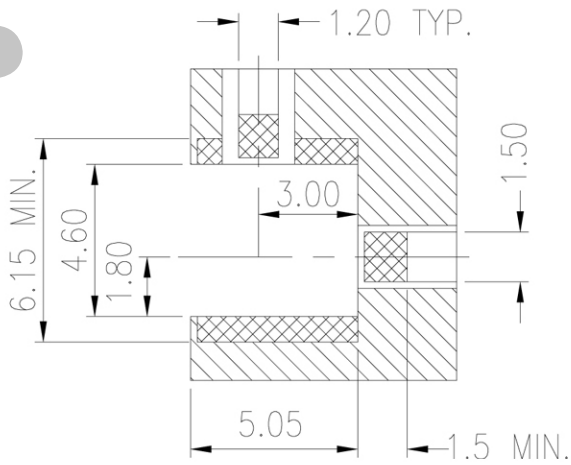
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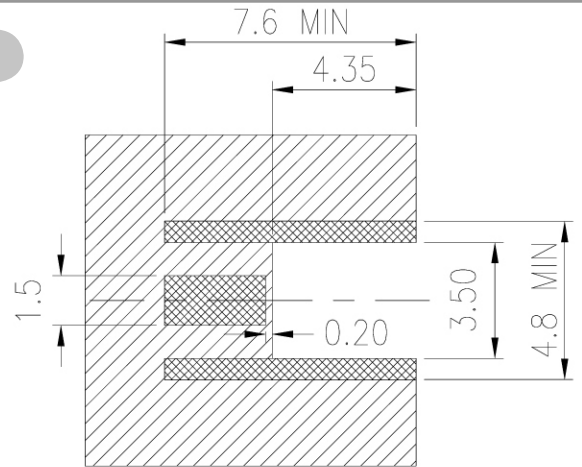
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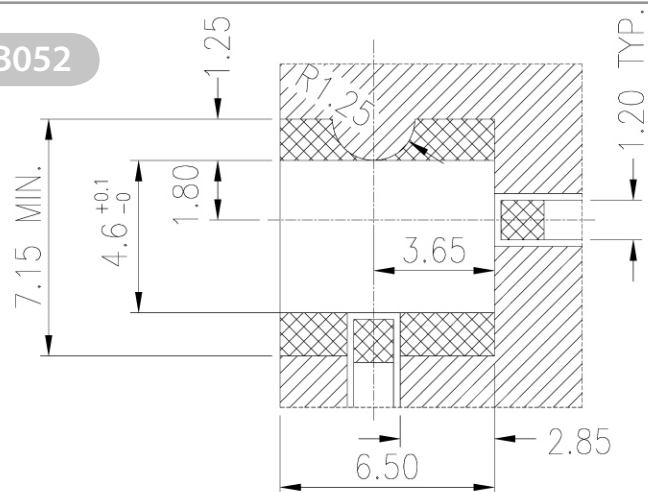
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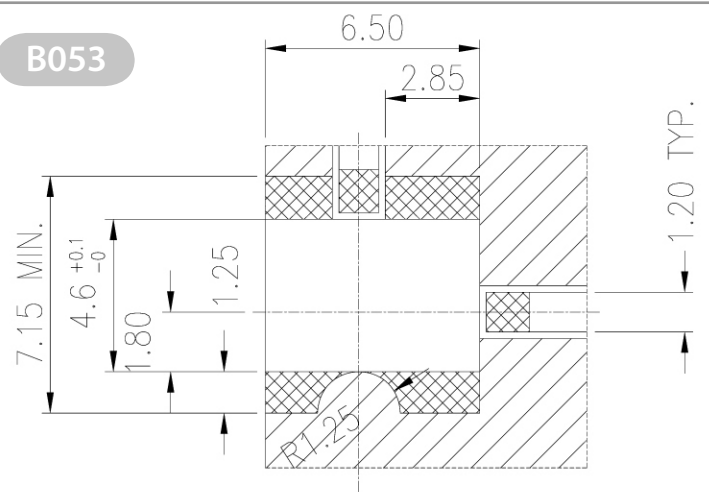
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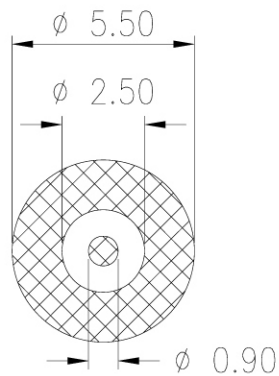
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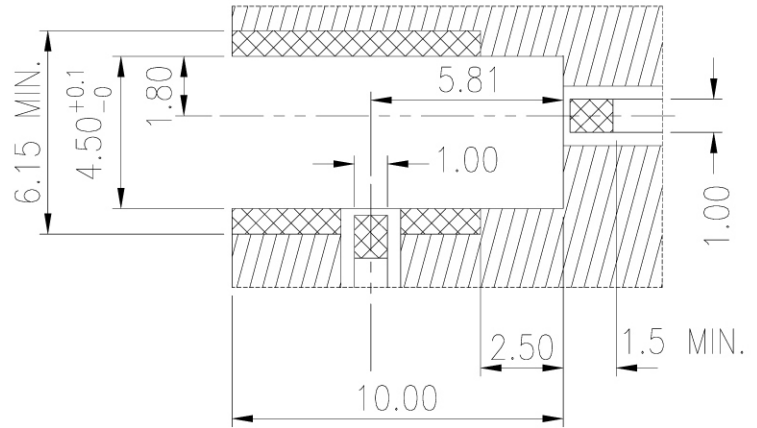
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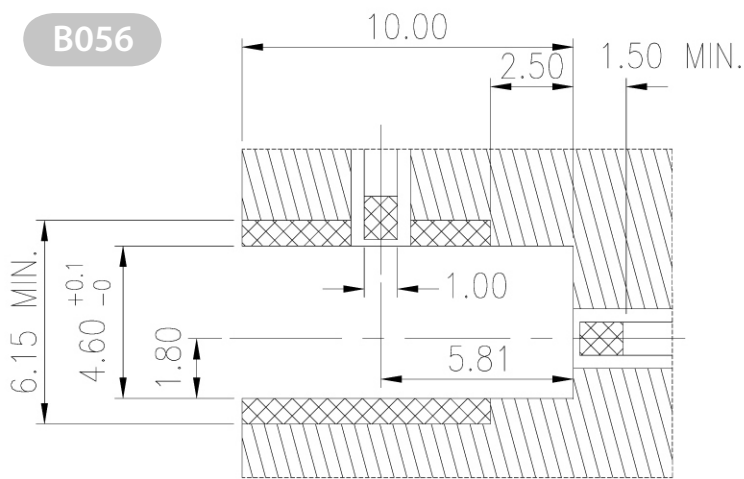
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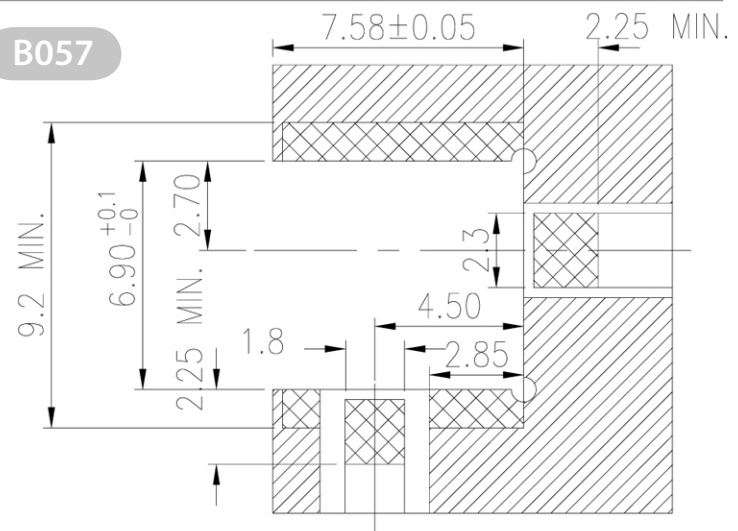
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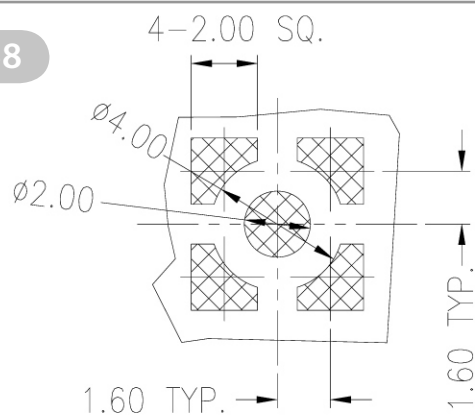
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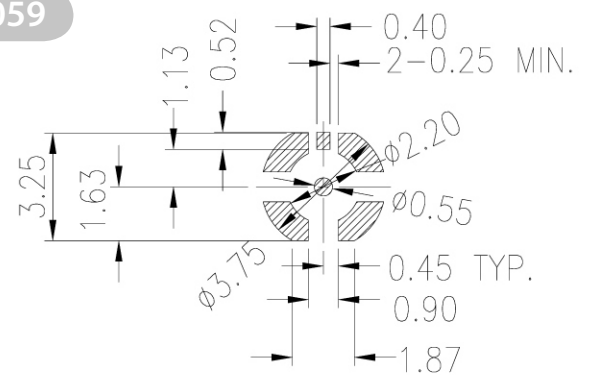
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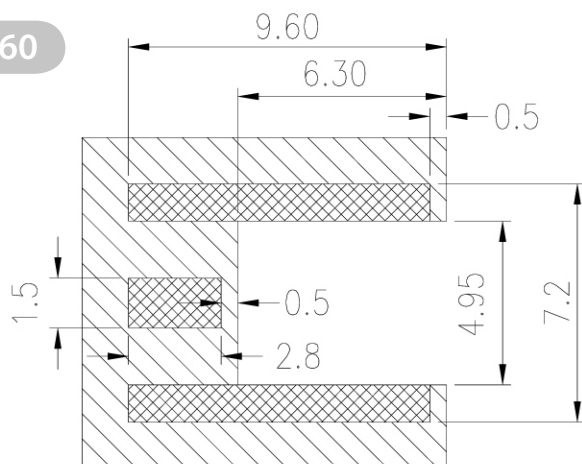
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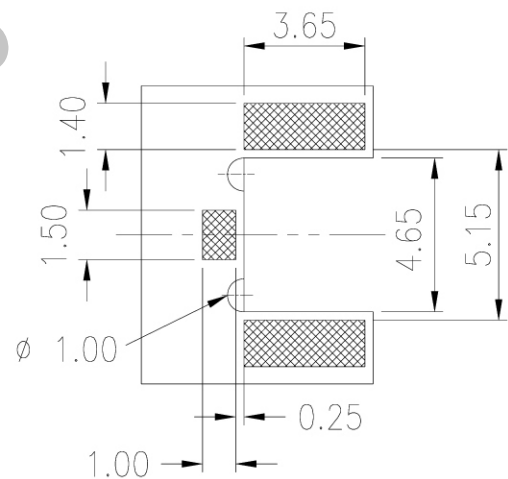
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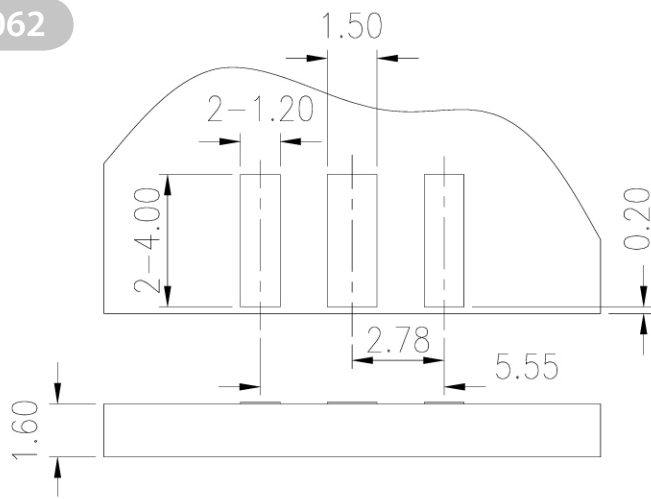
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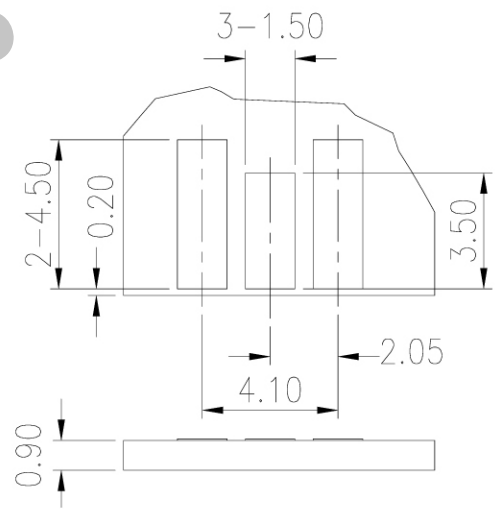
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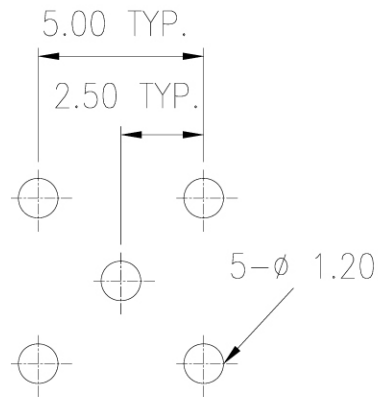
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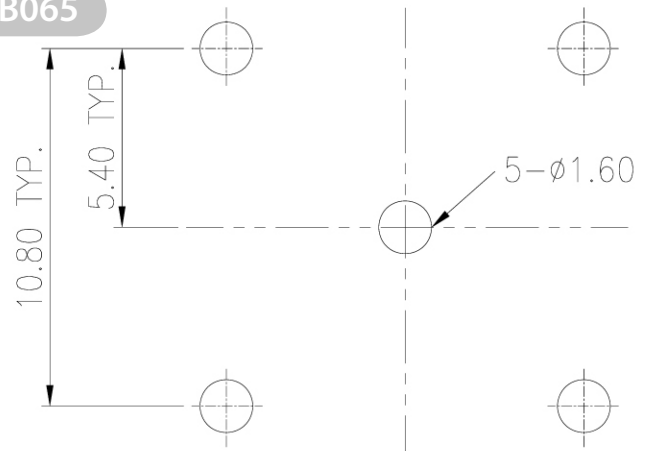
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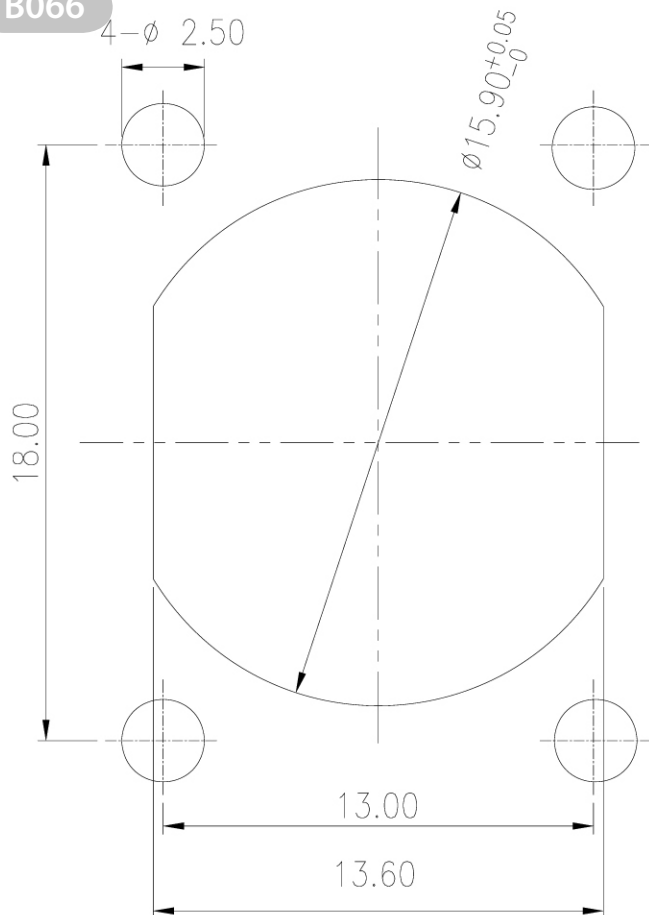
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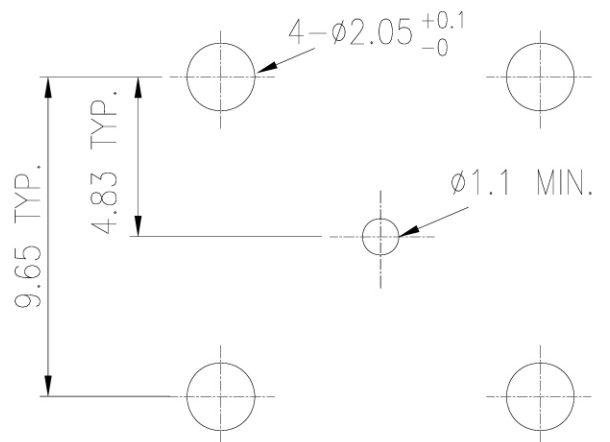
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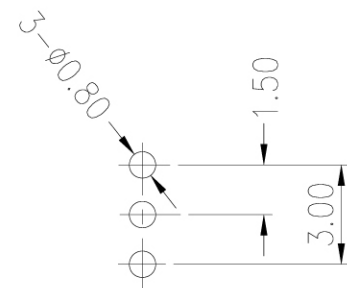
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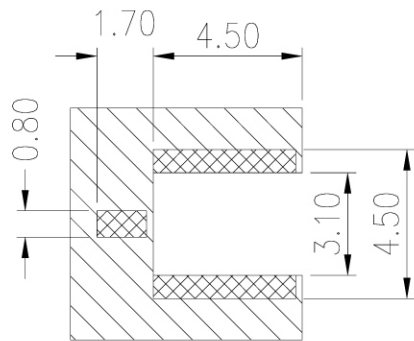
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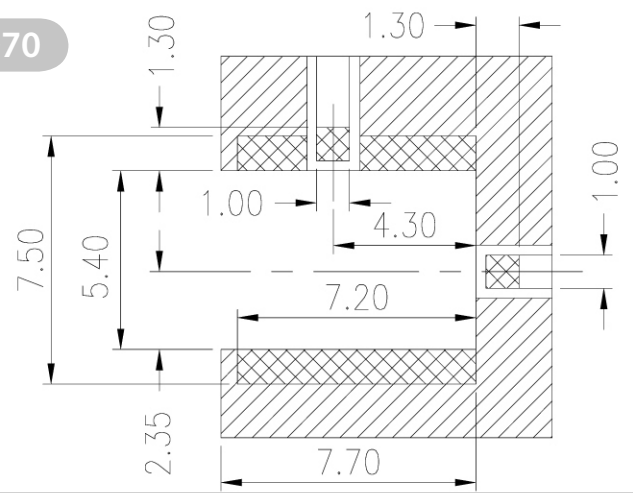
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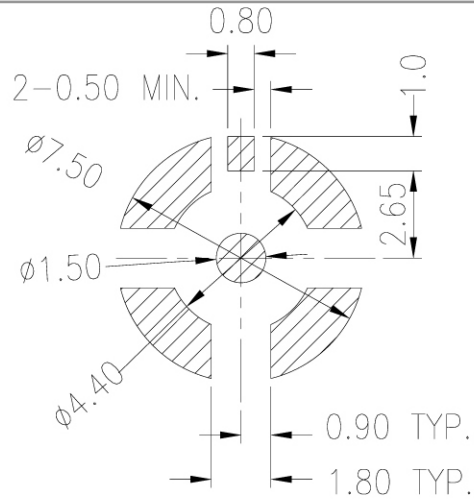
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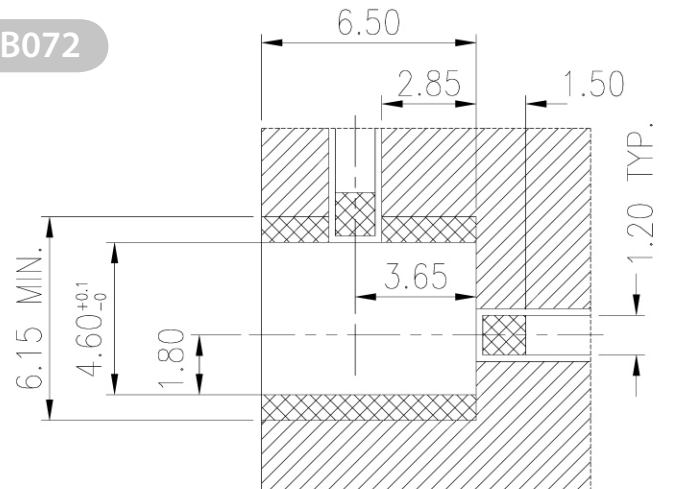
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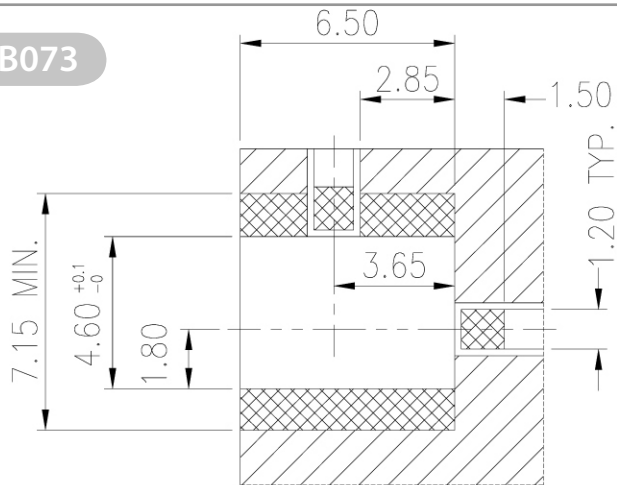
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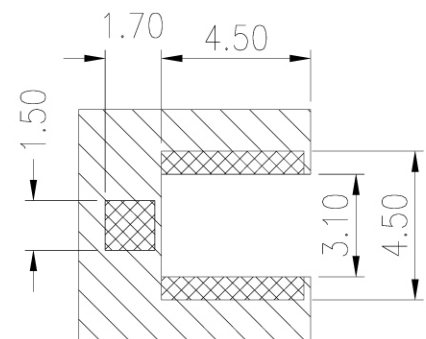
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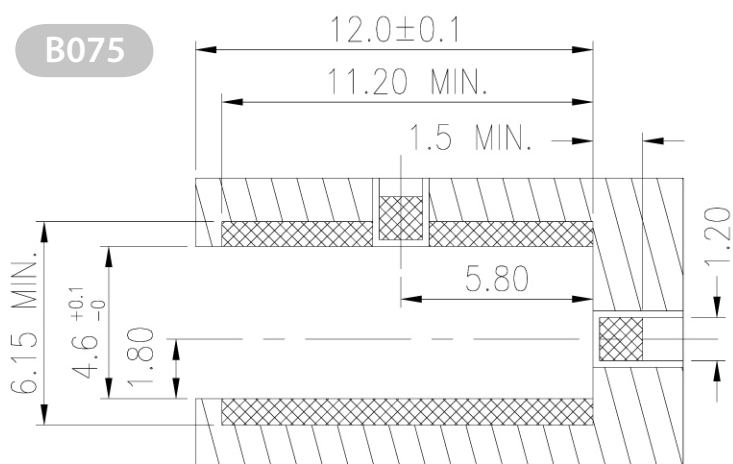
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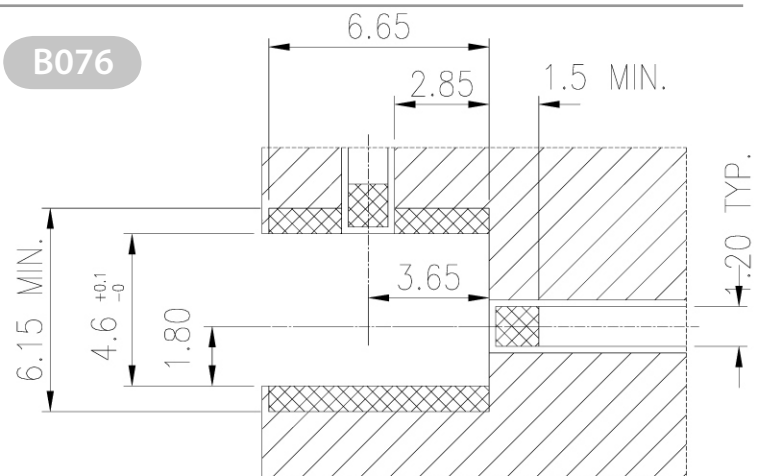
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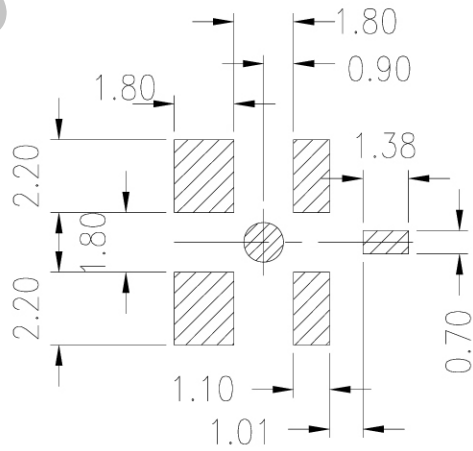
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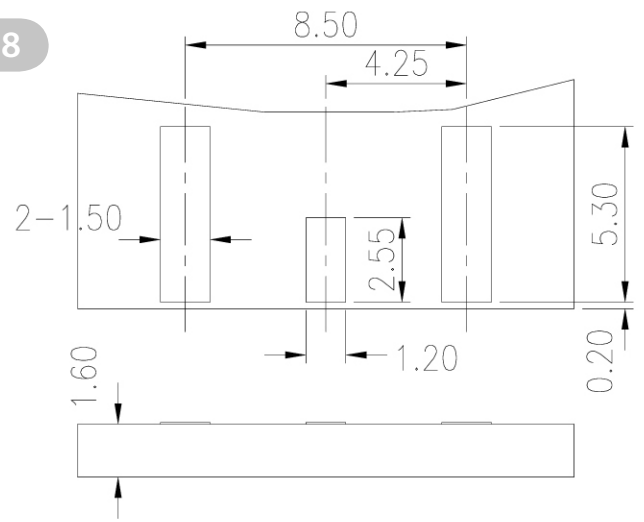
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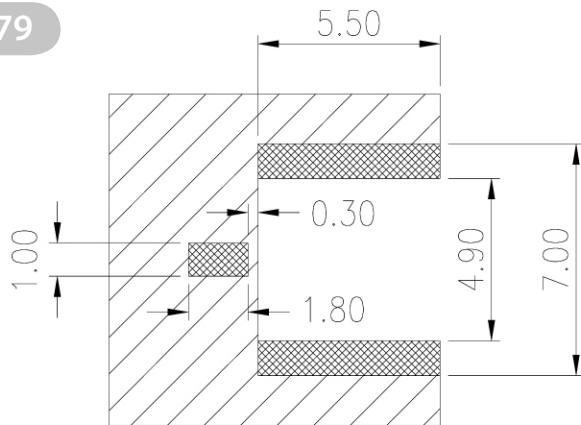
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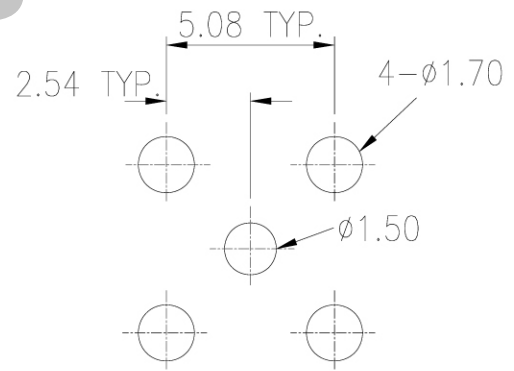
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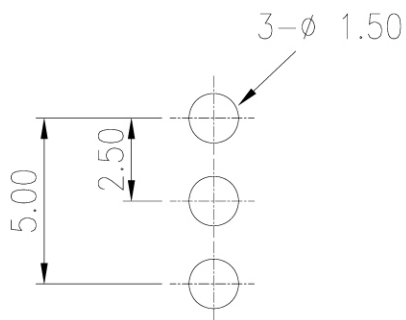
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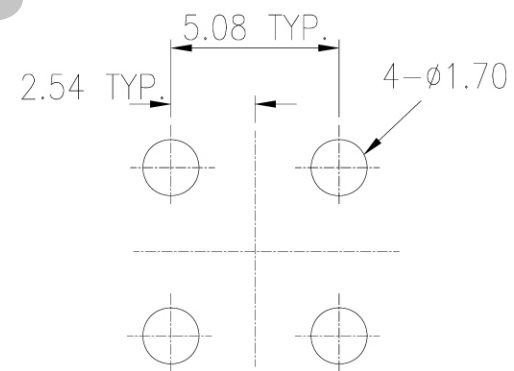
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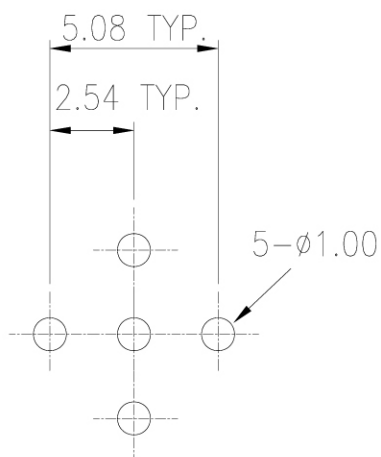
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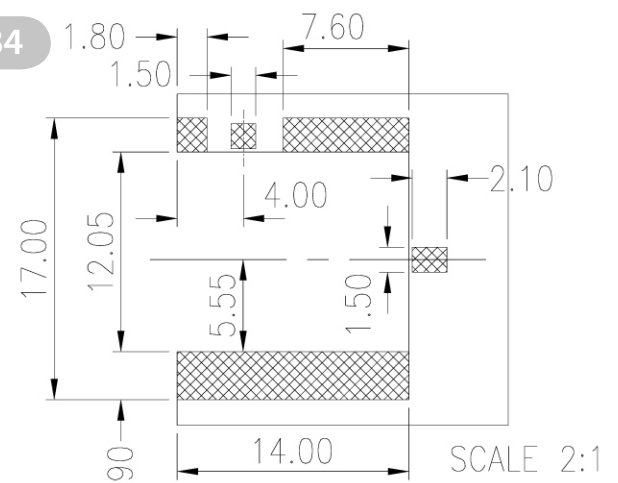
B082



B083



B084





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