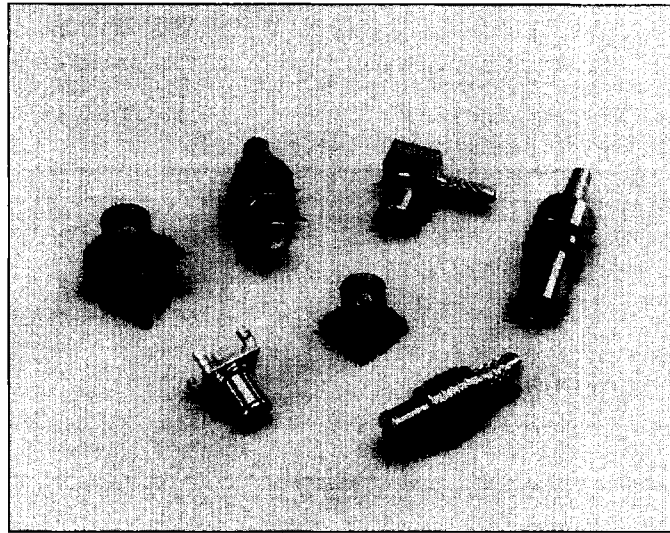


Microminiature Connectors



For space saving designs demanding a microminiature coax connector, the PCX features a 30% size reduction over the SMB series. Operating to 6 GHz, the Phoenix "PCX" connector offers the benefits of lower insertion force, lighter weight and snap-on mating, with availability in many variations to accommodate RG178, RG316 and .086" (semi-rigid) cable groups. Printed circuit plugs and jacks are also available with .030", .068" or .155" leg extensions. The Phoenix "PCX" connector is intermateable to standard "OSX" and "MCX" connectors.

Contents:

Specifications/Interface Drawings
Direct Solder
Crimp\Clamp
Direct Crimp
Printed Circuit Mount
Mounting Hole Dimensions

PCX 13 SERIES

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

MECHANICAL

MATERIALS

Bodies and Male Contacts: Brass per ASTM B 16.
Ferrules and Caps: Brass per ASTM B 16.
Insulation: Teflon (PTFE) per ASTM D 1457.
Female Contacts: Beryllium Copper per ASTM B 196.

PLATING

Gold per MIL-G-45204.
Copper per MIL-C-14550.
Nickel per QQ-N-290.

FINISH (Add letter to end of part number.)

"B": Body - .000030 Gold over .000050 Nickel.
"N": Body - .000200 Nickel.
Contact - .000030 Gold over .000050 Nickel.
Other Metal Parts: Gold or Nickel Plated
to meet Environmental Requirements.

MATING CHARACTERISTICS

Engagement: 3.4 lbs. Max.
Disengagement: 4.5 lbs. Max.
Durability: 500 Cycles.
Conforms to CECC 22 220 Standards.

ELECTRICAL

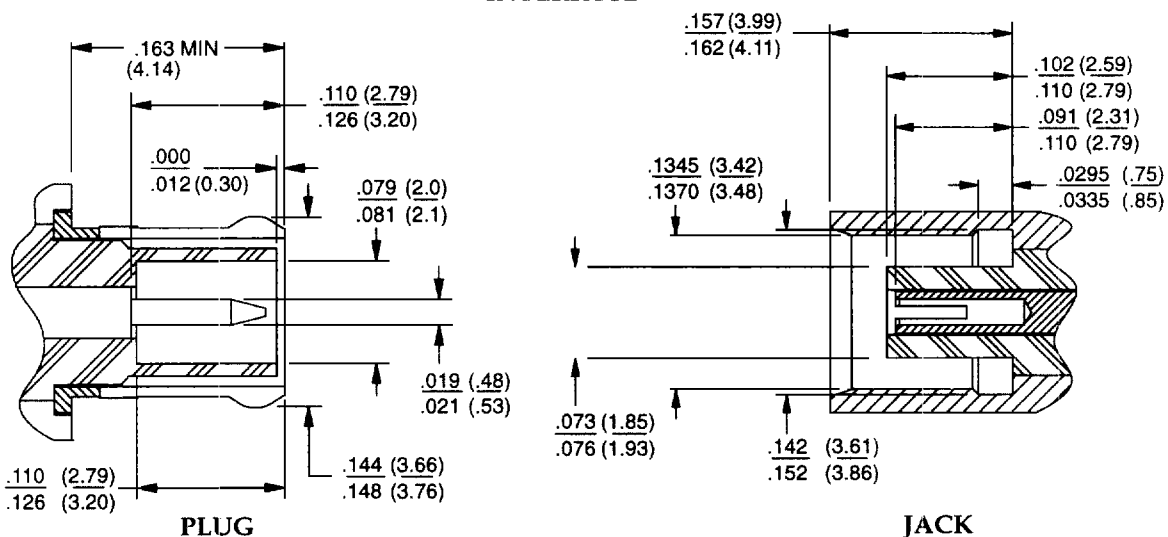
Impedance: 50 Ohms.
Frequency Range: 0-6 GHz.
Voltage Rating: 335 V RMS.
Insulation Resistance: 5,000 Megohms Min.
Temperature Rating: -85° F to +257° F (-65° C to +125° C).
DWV: 1000 V RMS.
RF High Potential: 600 V RMS Min. at 5 MHz.

Contact Resistance: Center Contact: 5.0 Milliohms.
Outer Contact: 1.0 Milliohms.
VSWR: 1.30 Max. at 4 GHz.
1.40 Max. at 6 GHz.
Corona Level: 70,000 Ft - 185 Volts (RG178).
250 Volts (RG 316).
Insertion Loss: 0.1 dB Max./1 GHz.

ENVIRONMENTAL

Vibration, High Frequency: MIL-STD-202, Method 204, Condition B.
Shock: MIL-STD-202, Method 213, Condition A.
Thermal Shock: MIL-STD-202, Method 107, Test Condition B at +185° F (+85° C).
Corrosion: MIL-STD-202, Method 101, Test Condition B.

INTERFACE



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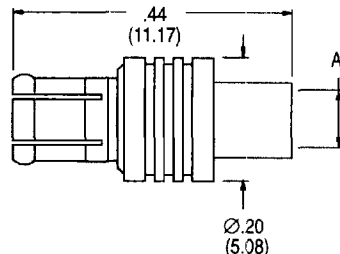
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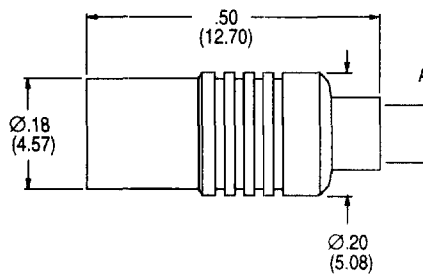
PALCO CONNECTOR

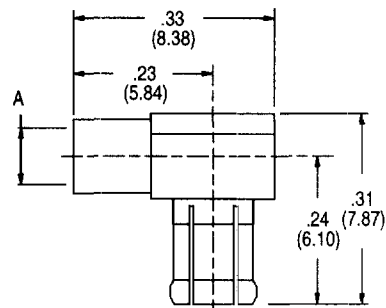
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PCX 13 SERIES DIRECT SOLDER

Part Number	A DIA.	Cable	Straight Plug
13-0200-0860*	.092 (2.34)	RG405-M17/133 (.086 S.R.)	
			Direct Solder

Part Number	A DIA.	Cable	Straight Jack
13-1200-0860*	.092 (2.34)	RG405-M17/133 (.086 S.R.)	
			Direct Solder

Part Number	A DIA.	Cable	Right Angle Plug
13-2200-0860*	.092 (2.34)	RG405-M17/133 (.086 S.R.)	
			Direct Solder

*See Specification Page for finish suffix.



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PALCO CONNECTOR

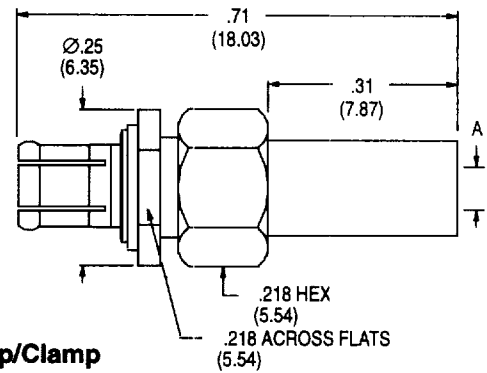
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PCX 13 SERIES CRIMP/CLAMP

Part Number	A DIA.	Cable
13-0800-0400*	.040 (1.02)	RG178,196,404
13-0800-0670*	.067 (1.70)	RG188,316,187,174,179
13-0800-2670*	.067 (1.70)	RG316 D.S. (M17/152)

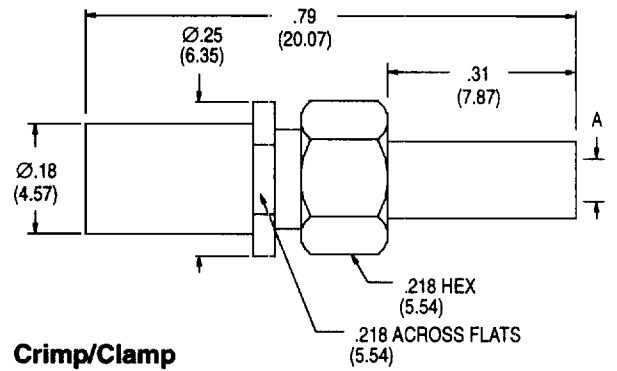
Straight Plug



Crimp/Clamp

Part Number	A DIA.	Cable
13-1800-0400*	.040 (1.02)	RG178,196,404
13-1800-0670*	.067 (1.70)	RG188,316,187,174,179
13-1800-2670*	.067 (1.70)	RG316 D.S. (M17/152)

Straight Jack



Crimp/Clamp

*See Specification Page for finish suffix.



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PALCO CONNECTOR

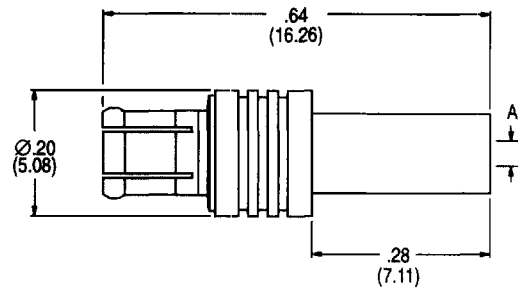
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PCX 13 SERIES DIRECT CRIMP

Part Number	A DIA.	Cable
13-0900-0400*	.040 (1.02)	RG178,196,404
13-0900-0670*	.067 (1.70)	RG188,316,174
13-0900-2670*	.067 (1.70)	RG316 D.S. (M17/152)
NOTE: Center contact can be crimped or soldered.		

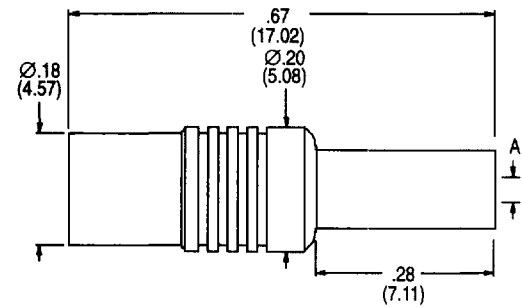
Straight Plug



Direct Crimp

Part Number	A DIA.	Cable
13-1900-0400*	.040 (1.02)	RG178,196,404
13-1900-0670*	.067 (1.70)	RG188,316,174
13-1900-2670*	.067 (1.70)	RG316 D.S. (M17/152)
NOTE: Center contact can be crimped or soldered.		

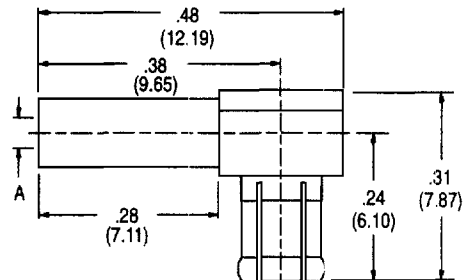
Straight Jack



Direct Crimp

Part Number	A DIA.	Cable
13-2800-0400*	.040 (1.02)	RG178,196,404
13-2800-0670*	.067 (1.70)	RG188,316,187,174,179
13-2800-2670*	.067 (1.70)	RG316 D.S. (M17/152)

Right Angle Plug



Direct Crimp

*See Specification Page for finish suffix.



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PALCO CONNECTOR

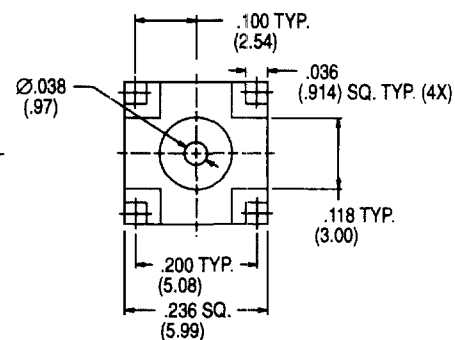
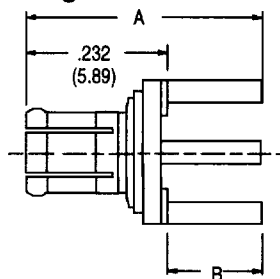
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PCX 13 SERIES PRINTED CIRCUIT MOUNT

Part Number	A	B
13-0450-00*	.39 (9.91)	.155 (3.94)
13-0450-01*	.30 (7.62)	.068 (1.73)
13-0450-02*	.26 (6.60)	.03 (.76)

Straight Plug

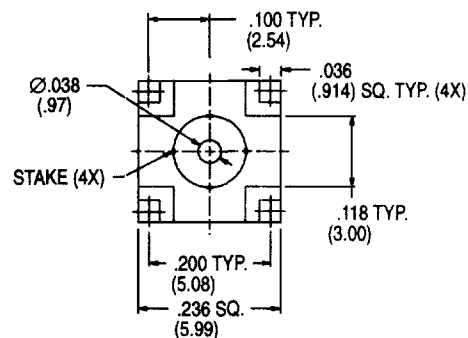
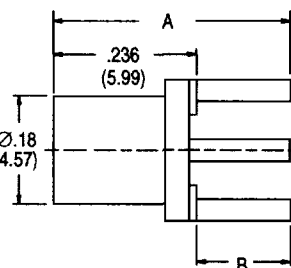


PC Mount

See Mounting Data Page, FIG. 4

Part Number	A	B
13-1450-00*	.39 (9.91)	.155 (3.94)
13-1450-01*	.30 (7.62)	.068 (1.73)
13-1450-02*	.26 (6.60)	.03 (.76)

Straight Jack

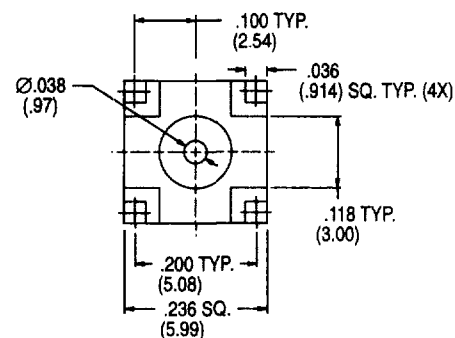
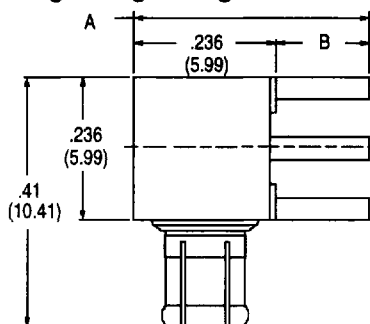


PC Mount

See Mounting Data Page, FIG. 4

Part Number	A	B
13-2450-00*	.39 (9.91)	.155 (3.94)

Right Angle Plug

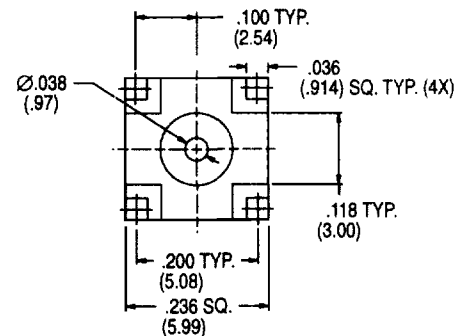
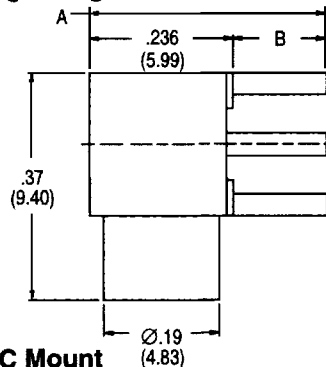


PC Mount

See Mounting Data Page, FIG. 4

Part Number	A	B
13-3450-00*	.39 (9.91)	.155 (3.94)
13-3450-01*	.30 (7.62)	.068 (1.73)

Right Angle Jack



PC Mount

See Mounting Data Page, FIG. 4

*See Specification Page for finish suffix.



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MOUNTING HOLE DIMENSIONS

