

DIN 28 SERIES – COAX

FOR DIN 41612 HOUSING

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

MECHANICAL

MATERIALS

Plug Bodies: Brass per ASTM B 16.
Receptacle Bodies: Beryllium Copper per ASTM B 196.
Insulation: Teflon (PTFE) per ASTM D 1457.
Contacts, Female: Beryllium Copper per ASTM B 196.
Contacts, Male: Brass per ASTM B 16.
Retaining Ring: Beryllium Copper per ASTM B 194.

PLATING

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

FINISH (Add letter to end of part numbers.)

BODIES AND CONTACTS*

"A": .000050 Min. Gold over Nickel.
"B": .000030 Min. Gold over Nickel.

MATING CHARACTERISTICS

Outer Bodies: 3 lbs. Max. Insertion.
2 oz. Min. Withdrawal.
Center Contacts: 14 oz. Max Insertion.
.5 oz. Min. Withdrawal.
Housing Retention: 12 lbs. Min.

ELECTRICAL

Frequency Range: DC to 10 GHz.
Voltage Rating Straight: 1000 V RMS.
Voltage Rating Angled: 800 V RMS.
Current Rating: 2.5 Amps.

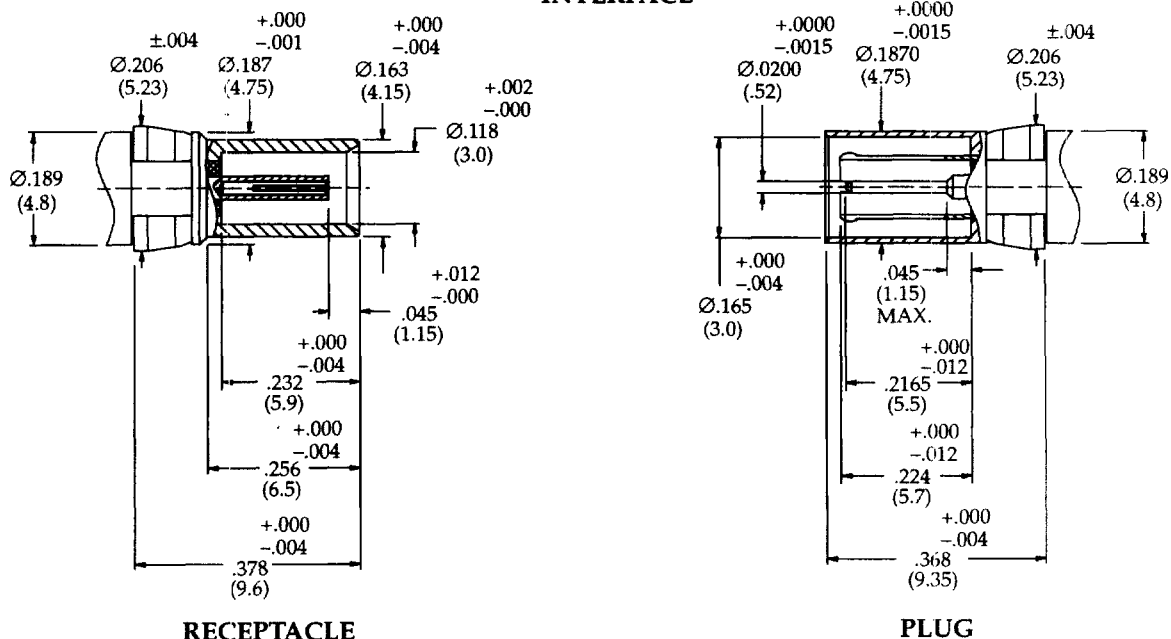
Contact Resistance: Center Contact 10 Milliohms.
Contact Resistance: Outer Contact 3 Milliohms.
Insertion Loss: .2 dB Max.
Insulation Resistance: 5000 Megohms Min.

ENVIRONMENTAL

Operating Temperature Range: -67° F to +257° F.
(-55° C to +125° C)
Vibration: MIL-STD-1344, Method 2005, Test Condition 4.
Shock: MIL-STD-1344, Method 2004, Test Condition E.

Salt Spray: MIL-STD-1344, Method 1001, Condition B.
Durability: 500 Cycles.

INTERFACE



*All other components plated to meet environmental requirements.



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Dimensions are subject to change without notice.

PALCO CONNECTOR

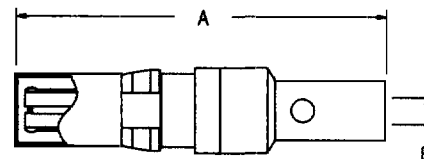
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DIN 28 SERIES SOLDER

Part Number	A REF.	B DIA.	Cable
28-0020-0400*	.940 (23.98)	.040 (1.02)	RG178,196
28-0020-0670*	.940 (23.98)	.067 (1.70)	RG316,188,174
28-0020-1080*	1.040 (26.42)	.108 (2.74)	RG180,195
28-0020-1201*	1.040 (26.42)	.120 (3.05)	RG58,141,303
28-0020-2201*	1.040 (26.42)	.120 (3.05)	RG400,142
28-0020-2670*	.940 (23.98)	.067 (1.70)	RG316 D.S. (M17/152)

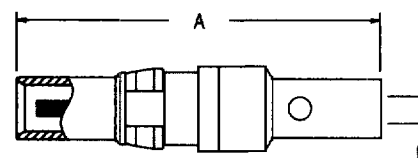
Straight Plug



Solder

Part Number	A REF.	B DIA.	Cable
28-1020-0400*	.940 (23.98)	.040 (1.02)	RG178,196
28-1020-0670*	.940 (23.98)	.067 (1.70)	RG316,188,174
28-1020-1080*	1.040 (26.42)	.108 (2.74)	RG180,195
28-1020-1201*	1.040 (26.42)	.120 (3.05)	RG58,141,303
28-1020-2201*	1.040 (26.42)	.120 (3.05)	RG400,142
28-1020-2670*	.940 (23.98)	.067 (1.70)	RG316 D.S. (M17/152)

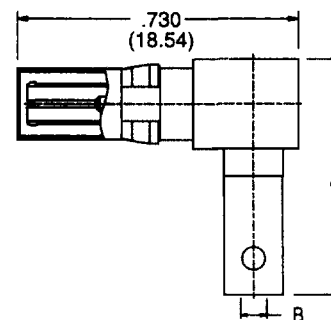
Straight Receptacle



Solder

Part Number	A REF.	B DIA.	Cable
28-0520-0400*	.614 (15.60)	.040 (1.02)	RG178,196
28-0520-0670*	.614 (15.60)	.067 (1.70)	RG316,188,174
28-0520-1080*	.716 (18.19)	.108 (2.74)	RG180,195
28-0520-1201*	.716 (18.19)	.120 (3.05)	RG58,141,303
28-0520-2201*	.716 (18.19)	.120 (3.05)	RG400,142
28-0520-2670*	.614 (15.60)	.067 (1.70)	RG316 D.S. (M17/152)

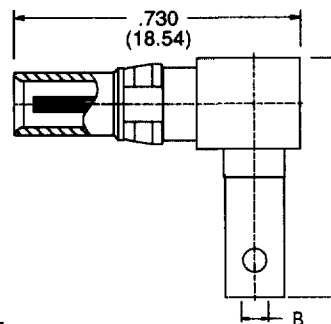
Right Angle Plug



Solder

Part Number	A REF.	B DIA.	Cable
28-1520-0400*	.614 (15.60)	.040 (1.02)	RG178,196
28-1520-0670*	.614 (15.60)	.067 (1.70)	RG316,188,174
28-1520-1080*	.716 (18.19)	.108 (2.74)	RG180,195
28-1520-1201*	.716 (18.19)	.120 (3.05)	RG58,141,303
28-1520-2201*	.716 (18.19)	.120 (3.05)	RG400,142
28-1520-2670*	.614 (15.60)	.067 (1.70)	RG316 D.S. (M17/152)

Right Angle Receptacle



Solder

*See Specification Page for finish suffix.



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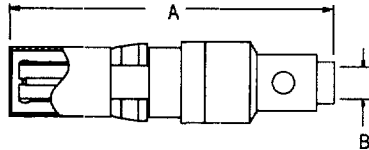
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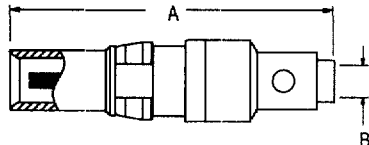
PALCO CONNECTOR

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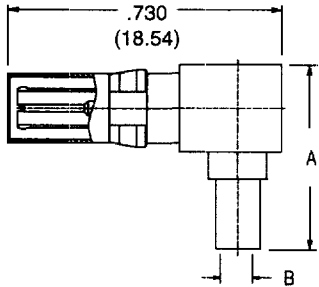
DIN 28 SERIES **SEMI-RIGID – SOLDER**

Part Number	A REF.	B DIA.	Cable	Straight Plug SEMI-RIGID  Solder
28-0020-0860*	.688 (17.5)	.092 (2.34)	RG405-M17/133 (.086 S.R.)	
28-0020-1410*	.688 (17.5)	.145 (3.68)	RG402-M17/130 (.141 S.R.)	

Part Number	A REF.	B DIA.	Cable	Straight Receptacle SEMI-RIGID  Solder
28-1020-0860*	.688 (17.5)	.092 (2.34)	RG405-M17/133 (.086 S.R.)	
28-1020-1410*	.688 (17.5)	.145 (3.68)	RG402-M17/130 (.141 S.R.)	

Part Number	A REF.	B DIA.	Cable
28-0520-0860*	.494 (12.55)	.092 (2.34)	RG405-M17/133 (.086 S.R.)
28-0520-1410*	.494 (12.55)	.145 (3.68)	RG402-M17/130 (.141 S.R.)

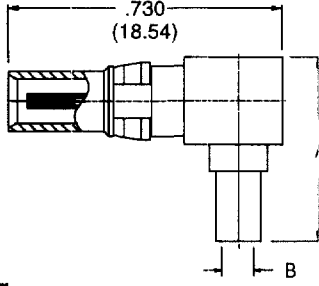
**Right Angle Plug
SEMI-RIGID**



Solder

Part Number	A REF.	B DIA.	Cable
28-1520-0860*	.494 (12.55)	.092 (2.34)	RG405-M17/133 (.086 S.R.)
28-1520-1410*	.494 (12.55)	.145 (3.68)	RG402-M17/130 (.141 S.R.)

**Right Angle Receptacle
SEMI-RIGID**



Solder

*See Specification Page for finish suffix.



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PALCO CONNECTOR

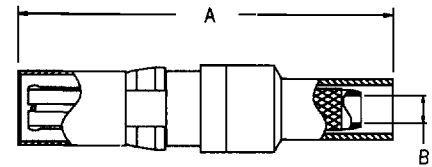
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DIN 28 SERIES CRIMP

Part Number	A REF.	B DIA.	Cable
28-0080-0400*	.940 (23.98)	.040 (1.02)	RG178,196
28-0080-0670*	.940 (23.98)	.067 (1.70)	RG316,188,174
28-0080-1080*	1.040 (26.42)	.108 (2.74)	RG180,195
28-0080-1201*	1.040 (26.42)	.120 (3.05)	RG58,141,303
28-0080-2201*	1.040 (26.42)	.120 (3.05)	RG400,142
28-0080-2670*	.940 (23.98)	.067 (1.70)	RG316 D.S. (M17/152)

Straight Plug

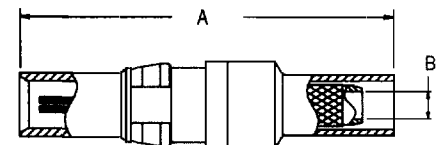


Crimp

Consult Factory For Tooling Information.

Part Number	A REF.	B DIA.	Cable
28-1080-0400*	.940 (23.98)	.040 (1.02)	RG178,196
28-1080-0670*	.940 (23.98)	.067 (1.70)	RG316,188,174
28-1080-1080*	1.040 (26.42)	.108 (2.74)	RG180,195
28-1080-1201*	1.040 (26.42)	.120 (3.05)	RG58,141,303
28-1080-2201*	1.040 (26.42)	.120 (3.05)	RG400,142
28-1080-2670*	.940 (23.98)	.067 (1.70)	RG316 D.S. (M17/152)

Straight Receptacle

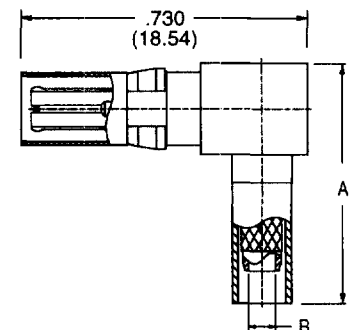


Crimp

Consult Factory For Tooling Information.

Part Number	A REF.	B DIA.	Cable
28-0580-0400*	.614 (15.60)	.040 (1.02)	RG178,196
28-0580-0670*	.614 (15.60)	.067 (1.70)	RG316,188,174
28-0580-1080*	.716 (18.19)	.108 (2.74)	RG180,195
28-0580-1201*	.716 (18.19)	.120 (3.05)	RG58,141,303
28-0580-2201*	.716 (18.19)	.120 (3.05)	RG400,142
28-0580-2670*	.614 (15.60)	.067 (1.70)	RG316 D.S. (M17/152)

Right Angle Plug

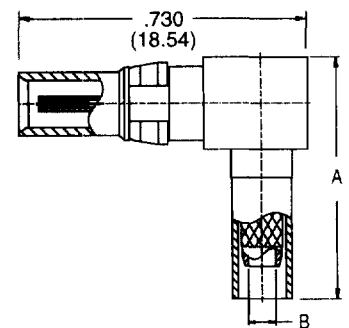


Crimp

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Part Number	A REF.	B DIA.	Cable
28-1580-0400*	.614 (15.60)	.040 (1.02)	RG178,196
28-1580-0670*	.614 (15.60)	.067 (1.70)	RG316,188,174
28-1580-1080*	.716 (18.19)	.108 (2.74)	RG180,195
28-1580-1201*	.716 (18.19)	.120 (3.05)	RG58,141,303
28-1580-2201*	.716 (18.19)	.120 (3.05)	RG400,142
28-1580-2670*	.614 (15.60)	.067 (1.70)	RG316 D.S. (M17/152)

Right Angle Receptacle



Crimp

Consult Factory For Tooling Information.

*See Specification Page for finish suffix.



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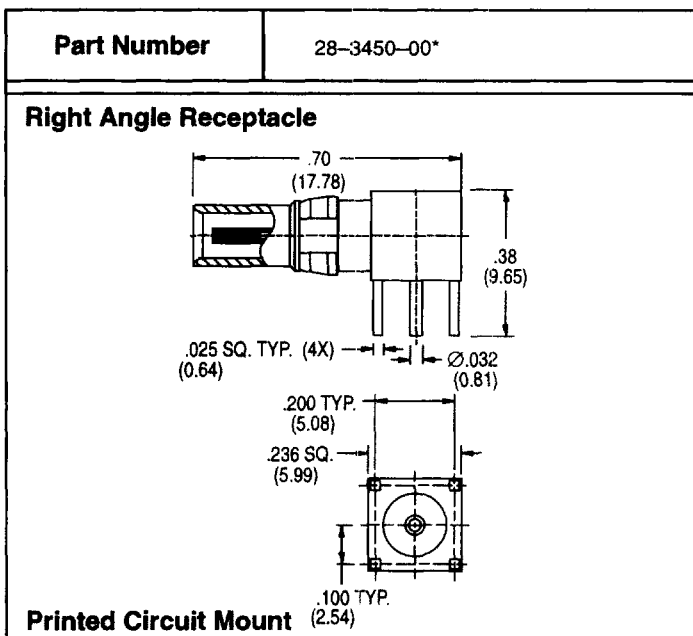
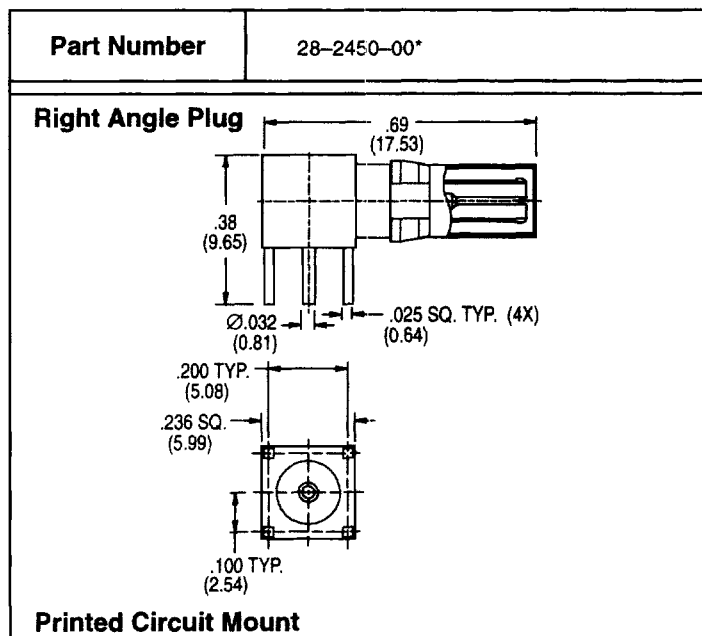
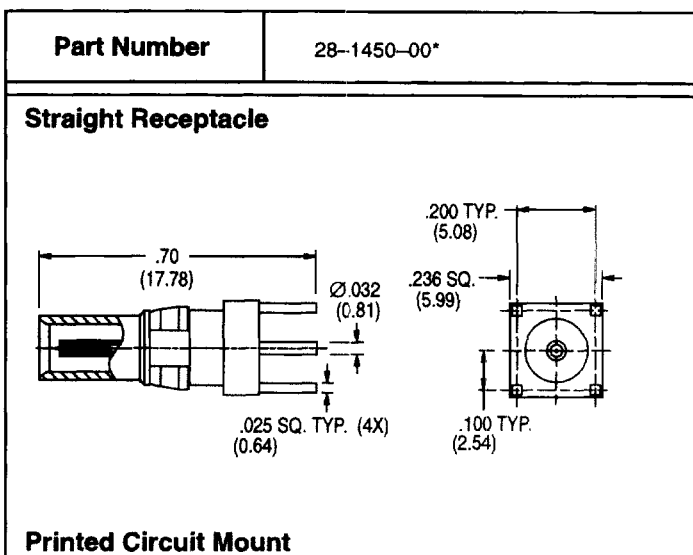
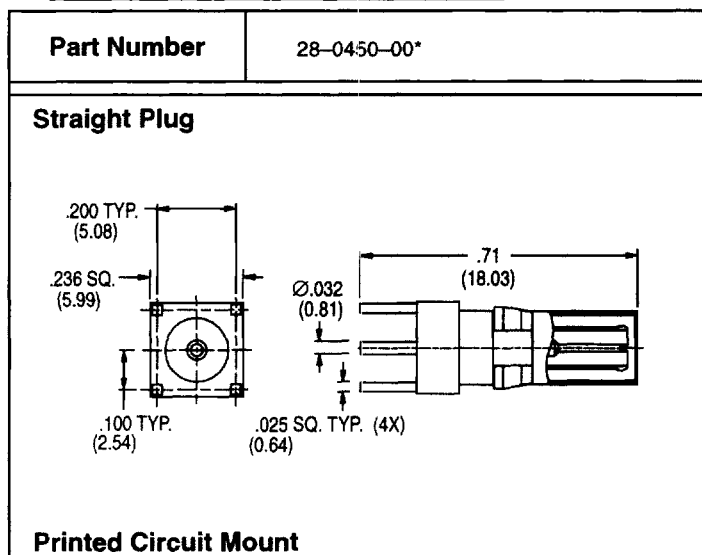
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DIN 28 SERIES PRINTED CIRCUIT MOUNT



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