

PDM 16 SERIES – 75 OHM

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 number.)

BODIES AND CONTACTS*

"A": .000050 Min. Gold over Nickel.
"B": .000030 Min. Gold over Nickel.
"C": .000050 Min. Gold over Copper.
"D": .000030 Min. Gold over Copper.
**"F": .000010 Min. Gold over Nickel

MATING CHARACTERISTICS

Outer Bodies: 3 lbs. Max. Insertion.
2 oz. Min. Withdrawal.
Center Contacts: 16 oz. Max. Insertion.
.5 oz. Min. Withdrawal.
Housing Retention: 12 lbs. Min.

ELECTRICAL

Frequency Range: DC To 2000 MHz.
Voltage Rating Straight: 1000 V RMS.
Voltage Rating Angled: 800 V RMS.
Current Rating: 3.5 Amps.

Contact Resistance: Center Contact 5 Milliohms.
Contact Resistance: Outer Contact 3 Milliohms.
Insertion Loss: .5 dB Max.
Insulation Resistance: 3000 Megohms Min.
DWV – See detailed chart located in Appendix A.

ENVIRONMENTAL

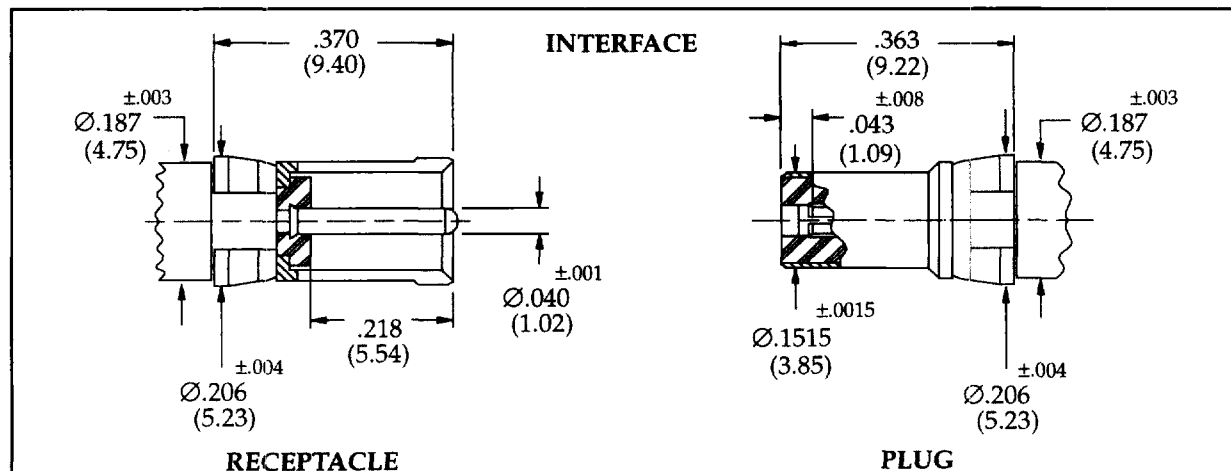
Operating Temperature Range: -67° F to +257° F.
(-55° C to +125° C)

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.



* All other components plated to meet environmental requirements.

***F Plating may not meet all aspects of Environmental Specifications.



THE PHOENIX COMPANY
of CHICAGO, INC.

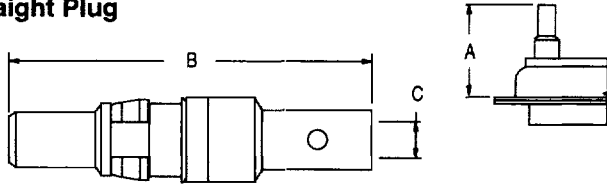
Dimensions are subject to change without notice.

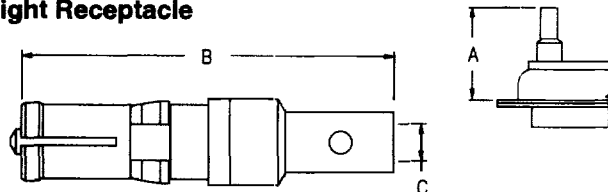
PALCO CONNECTOR

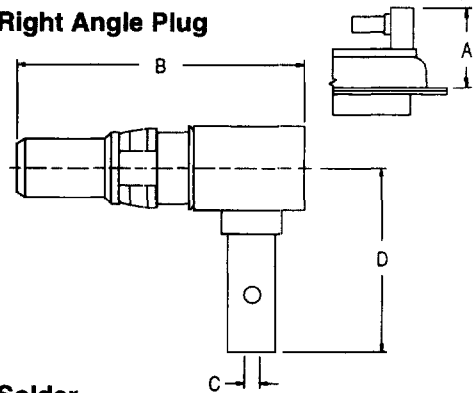
A subsidiary of The Phoenix Company

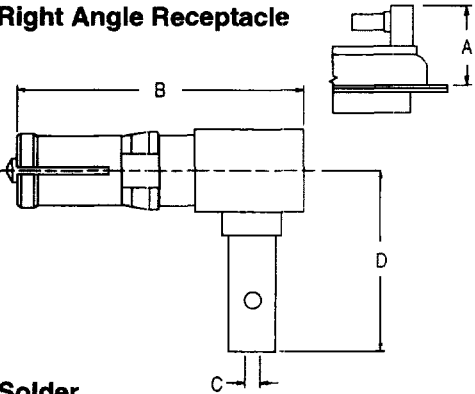
555 Pond Drive • Wood Dale, IL 60191-1192 • Toll Free (800)323-9562

PDM 16 SERIES SOLDER

Part Number	A MAX.	B REF.	C DIA.	Cable
16-0020-0670*	.739 (18.77)	.929 (23.60)	.067 (1.70)	RG179
Straight Plug 				
Solder				

Part Number	A MAX.	B REF.	C DIA.	Cable
16-1020-0670*	.739 (18.77)	.929 (23.60)	.067 (1.70)	RG179
Straight Receptacle 				
Solder				

Part Number	A MAX.	B REF.	C DIA.	D REF.	Cable
16-0520-0670*	.530 (13.46)	.734 (18.64)	.067 (1.70)	.492 (12.50)	RG179
Right Angle Plug 					
Solder					

Part Number	A MAX.	B REF.	C DIA.	D REF.	Cable
16-1520-0670*	.530 (13.46)	.734 (18.64)	.067 (1.70)	.492 (12.50)	RG179
Right Angle Receptacle 					
Solder					

*See Specification Page for finish suffix.



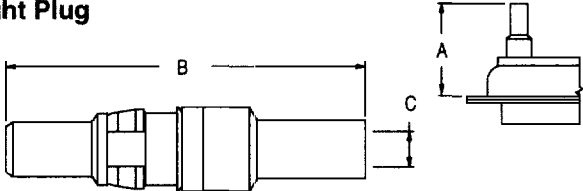
THE PHOENIX COMPANY
of CHICAGO, INC.

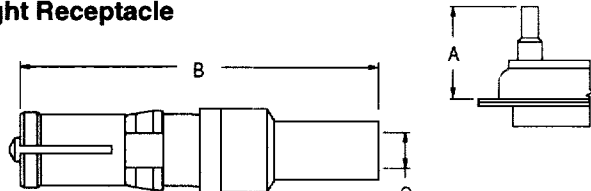
Dimensions are subject to change without notice.

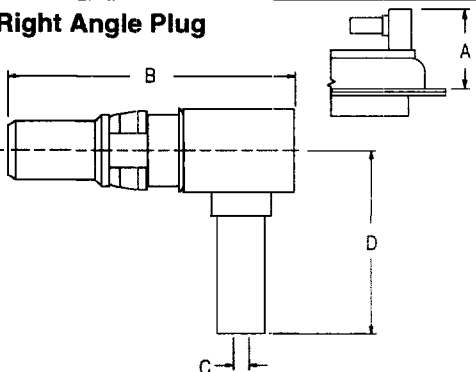
PALCO CONNECTOR

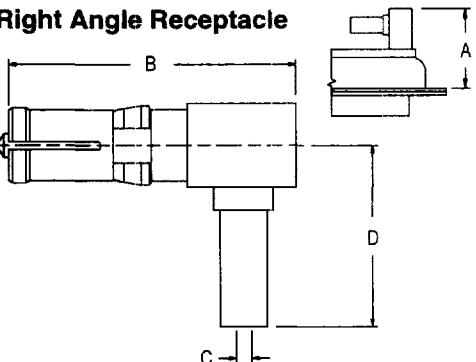
A subsidiary of The Phoenix Company

555 Pond Drive • Wood Dale, IL 60191-1192 • Toll Free (800)323-9562

Part Number	A MAX.	B REF.	C DIA.	Cable
16-0080-0670*	.739 (18.77)	.929 (23.60)	.067 (1.70)	RG179
Straight Plug  Crimp Consult Factory For Tooling Information.				

Part Number	A MAX.	B REF.	C DIA.	Cable
16-1080-0670*	.739 (18.77)	.929 (23.60)	.067 (1.70)	RG179
Straight Receptacle  Crimp Consult Factory For Tooling Information.				

Part Number	A MAX.	B REF.	C REF.	D DIA.	Cable
16-0580-0670*	.530 (13.46)	.734 (18.64)	.067 (1.70)	.492 (12.50)	RG179
Right Angle Plug  Crimp Consult Factory For Tooling Information.					

Part Number	A MAX.	B REF.	C REF.	D DIA.	Cable
16-1580-0670*	.530 (13.46)	.734 (18.64)	.067 (1.70)	.492 (12.50)	RG179
Right Angle Receptacle  Crimp Consult Factory For Tooling Information.					

*See Specification Page for finish suffix.



PDM 16 SERIES DOUBLE CRIMP

Phoenix double crimp, size 8 contacts are offered in standard, 50 and 75 ohm versions, as solderless, cost effective alternatives for high volume manufacturing needs. The double crimp contact design consists of a one piece body, a separate snap fit, center contact and an outer ferrule. Both center contact and outer ferrule can be terminated with a high speed crimping operation or conventional hand-held tool. Phoenix double crimp contacts are intermateable to "industry standard" equivalent, D-subminiature coaxial contact varieties.

Part Number	Cable	A MAX.	Straight Plug
16-0090-0675*	RG179	.739 (18.77)	
			Double Crimp
Part Number	Cable	A MAX.	Straight Receptacle
16-1090-0673*	RG179	.739 (18.77)	
			Double Crimp

*See Specification Page for finish suffix.



THE PHOENIX COMPANY
of CHICAGO, INC.

Dimensions are subject to change without notice.

PALCO CONNECTOR
555 Pond Drive • Wood Dale, IL 60191-1192 • Toll Free (800)323-9562

A subsidiary of The Phoenix Company