

ADAM TECH

ADAM TECHNOLOGIES INC.

RF CONNECTORS

RFC SERIES

INTRODUCTION:

Adam Tech RF Series Connectors are high frequency connectors offering broadband performance with low reflection and constant 50 or 75 ohm impedance. They are economical, durable and available in a wide selection of housing and insulator materials.

FEATURES:

- SMA - Subminiature with DC Rating to 18 GHz exceptional mechanical strength, high durability and low VSWR
- BNC - Coaxial with full crimp cable or clamp type with soldered inner contact
- N - Screw on coupling and interchangeable with MIL-C-39012 specification
- TIWNAX - IBM Host Compatible Network design with polarized key and keyway construction

GENERAL SPECIFICATIONS:

Material:

Housing: Brass, nickel-plated
Diecast, nickel-plated

Insulator: Teflon or Delrin, as specified

Contact: Beryllium Copper, gold-plated

Electrical:

Impedance: 50 or 75 ohm, as specified

Dielectric Withstanding Voltage: 1000 VAC min rms (sea level)

Insulation Resistance: 5000 MΩ @ 1000 VAC between adjacent contacts (75° and 50% R.H.)

SMA SERIES

Frequency Range:	Semi-rigid cable in .141" or .085" O.D. Copper jacket: 0-18 GHz Flexible cable: 0-12.4 GHz
Voltage Rating:	RG-58, 141, 142, 223: 500V peak RG-174, 188, 316: 375V peak
VSWR GHz:	.141" semi-rigid cable group: 1.05 + .005f (Straight RG-58 cable group: 1.15 + .01f) RG-174 cable group: 1.15 + .02f RG-178 cable group: 1.20 + .025f
Contact Resistance:	Center/Body: 2.0 mΩ Braid to body: 0.5 mΩ

BNC SERIES

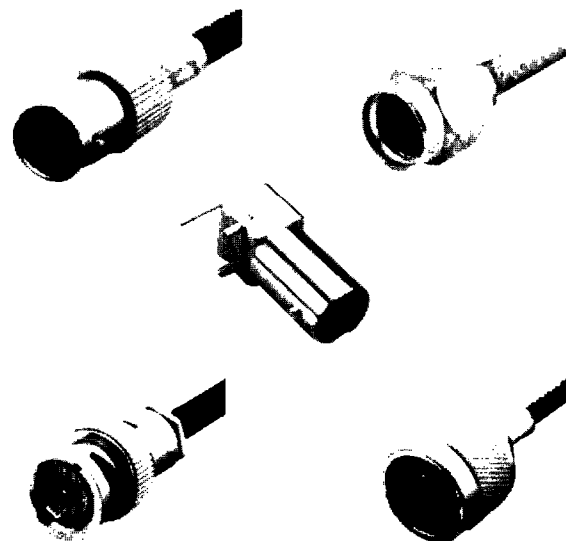
Frequency Range:	0-4 / 0-2 GHz
Voltage Rating:	1500 Volts peak
VSWR:	1.3 max. 0-4 GHz
Contact Resistance:	Center contact 1.5 MΩ Outer contact 1.0 MΩ

N SERIES

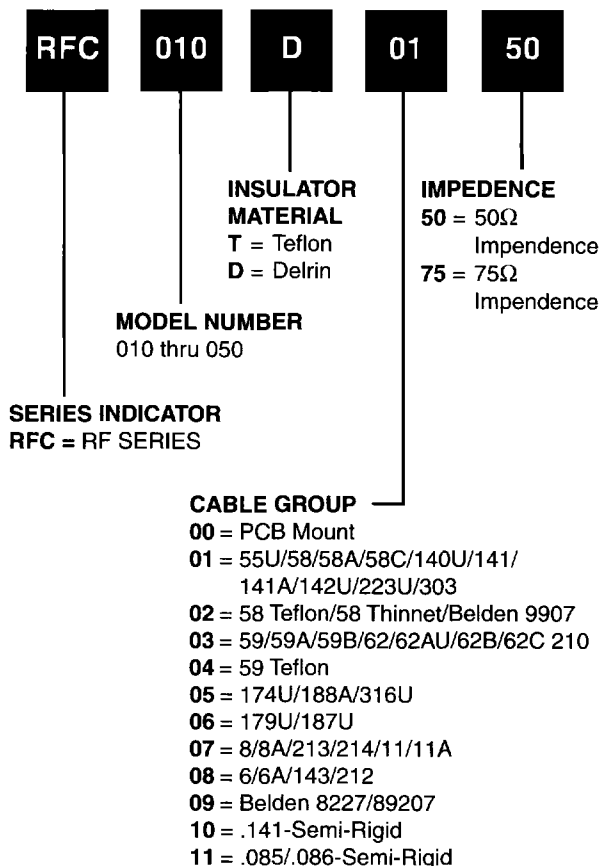
Frequency Range:	0-11 GHz
Voltage Rating:	1500 Volts peak
VSWR:	1.3 max. 0-11 GHz
Contact Resistance:	Center contact 1.0 MΩ Outer contact 0.2 MΩ

TWINAX SERIES

Frequency Range:	Keyway polarization and Nonpolarized: 0-200 MHz μin Contact polarization: 100 Volts peak
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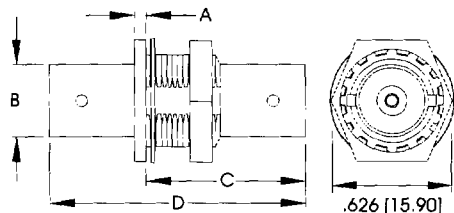
ORDERING INFORMATION



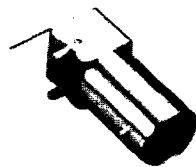
BNC SERIES



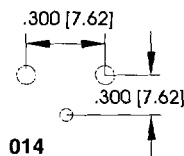
BNC-Jack to Jack Bulkhead Adapter



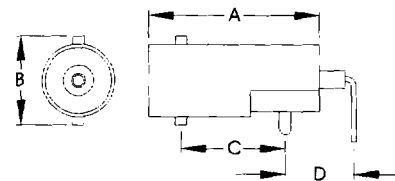
010



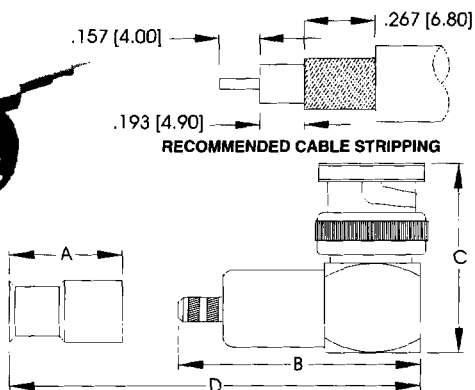
BNC-Right Angle Low Profile PC Board Mount



014



BNC-Right Angle Crimp Plug

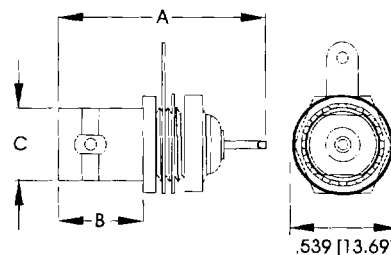


AFTER ASSEMBLY

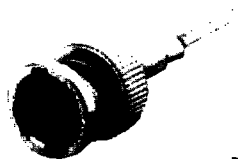
011



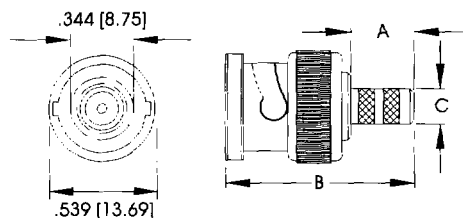
BNC-Bulkhead Crimp Jack



015



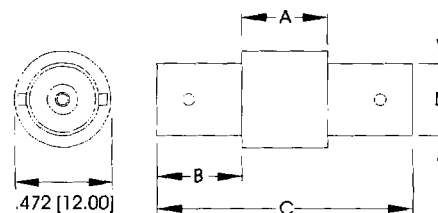
BNC-Straight Crimp Plug



012



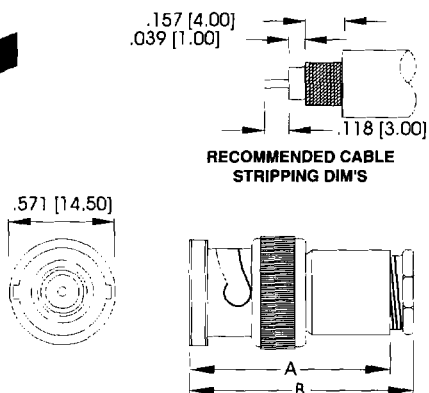
BNC-Jack to Jack Adapter



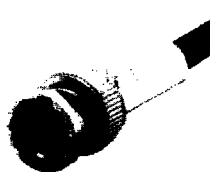
016



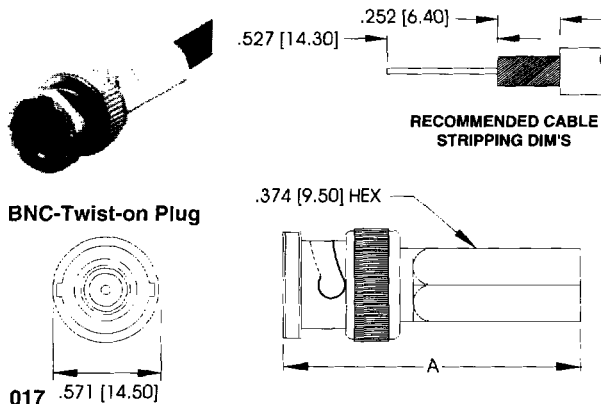
BNC-Straight Solder Plug Captive Contact



013


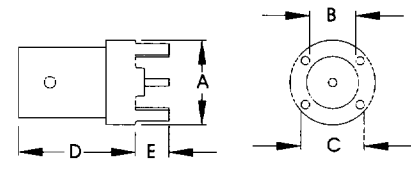
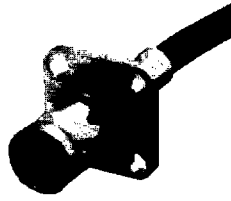
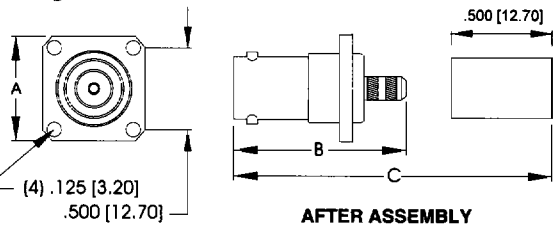
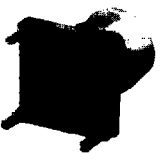
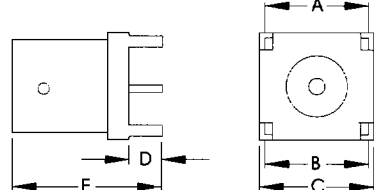
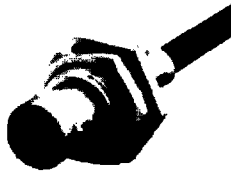
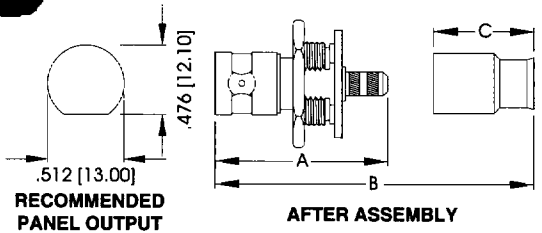

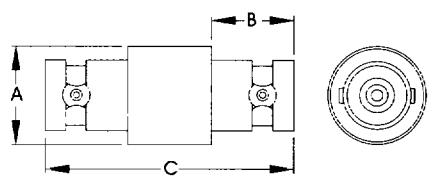

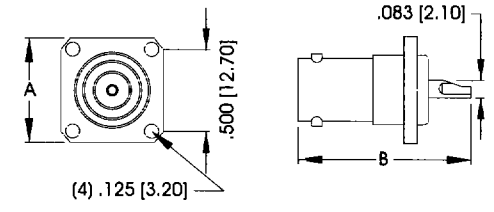

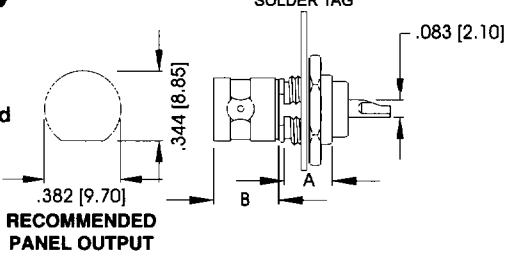

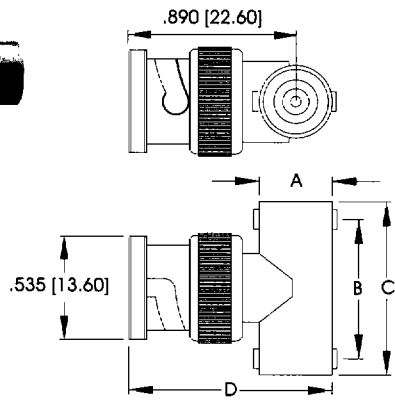


BNC-Twist-on Plug



017

BNC SERIES

 <p>BNC-Straight PCB Mount Jack 018</p> 	 <p>BNC-Panel Crimp Jack 023</p>  <p>RECOMMENDED CABLE STRIPPING DIM'S</p> <p>AFTER ASSEMBLY</p>
 <p>BNC-Straight PCB Mount Jack 019</p> 	 <p>BNC-Bulkhead Crimp Jack 024</p>  <p>RECOMMENDED CABLE STRIPPING DIM'S</p> <p>RECOMMENDED PANEL OUTPUT</p> <p>AFTER ASSEMBLY</p>
 <p>BNC-Jack to Jack Adapter 020</p> 	 <p>BNC-Panel Crimp Jack 025</p> 
 <p>BNC-Bulkhead Receptacle Jack 021</p>  <p>RECOMMENDED PANEL OUTPUT</p>	 <p>BNC-"T" Adapter Jack to Plug to Jack 026</p> 

TWINAX SERIES

027 Twinax-Panel Mount Jack Receptacle

028 Twinax-"T" Adapter Jack to Jack

029 Twinax-Straight Plug

030 Twinax-Jack to Jack Feedthrough Adapter

031 Twinax-"T" Adapter Jack to Plug to Jack

N-SERIES

032 N-Bulkhead Crimp Jack


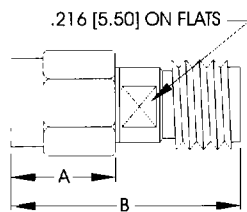

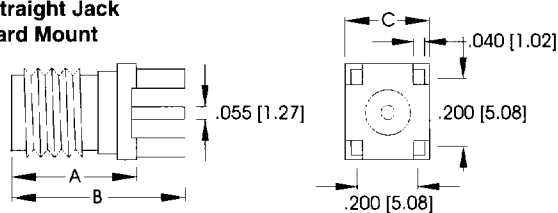

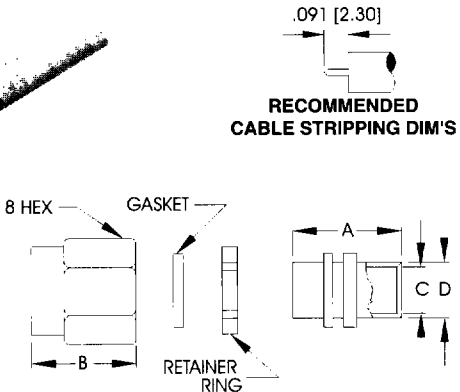

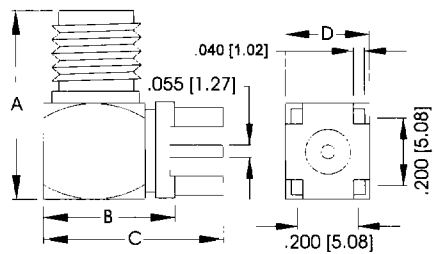

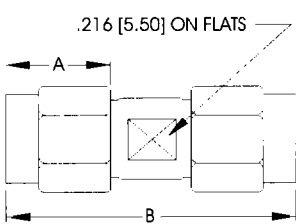

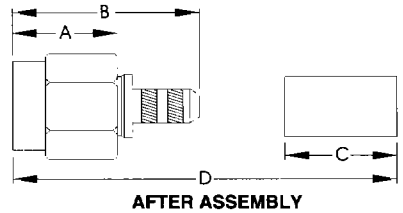

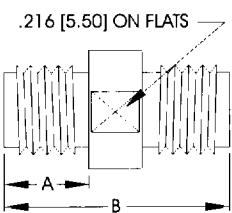
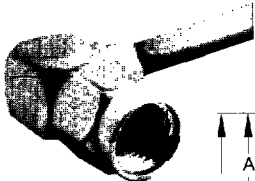
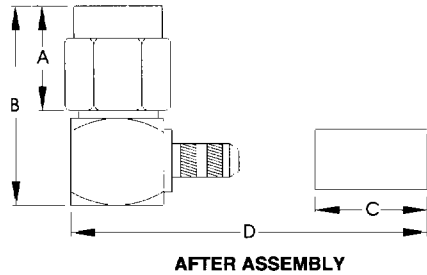
033 N-Panel Receptacle Jack

034 N-Straight Solder Plug

035 N-Jack to Jack Adapter

036 N-Jack to Jack Adapter

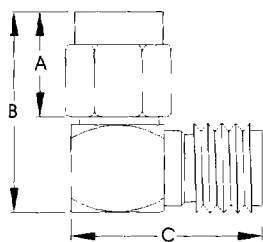
SMA SERIES

 <p>SMA-Plug To Jack Adapter</p> <p>037</p> 	 <p>SMA-Straight Jack PC Board Mount</p> <p>041</p> 
 <p>SMA-Straight Cable Plug</p> <p>038</p> 	 <p>SMA-Right Angle Jack PC Board Mount</p> <p>042</p> 
 <p>SMA-Plug To Plug Adapter</p> <p>039</p> 	 <p>SMA-Straight Crimp Jack</p> <p>043</p> 
 <p>SMA-Jack to Jack Adapter</p> <p>040</p> 	 <p>SMA-Right Angle Cable Plug</p> <p>044</p> 

SMA SERIES



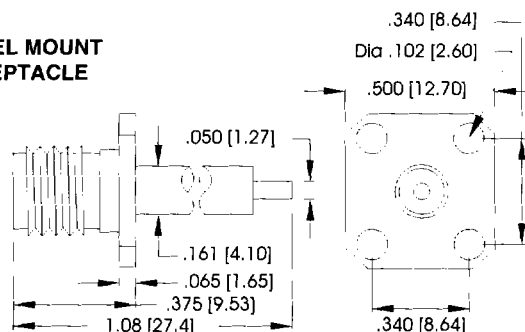
SMA - PLUG TO JACK
ADAPTER - RIGHT ANGLE



045



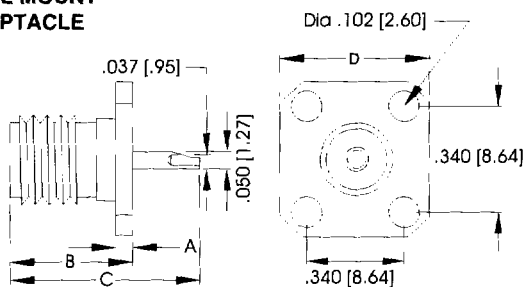
SMA - PANEL MOUNT
JACK RECEPTACLE



048



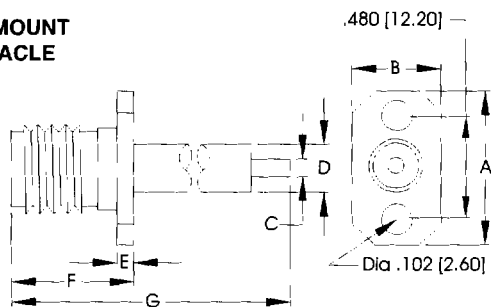
SMA - PANEL MOUNT
PLUG RECEPTACLE



046



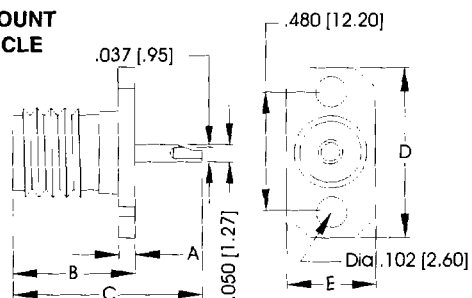
SMA - PANEL MOUNT
JACK RECEPTACLE



049

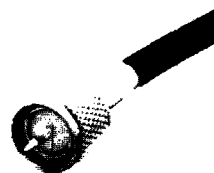


SMA - PANEL MOUNT
PLUG RECEPTACLE

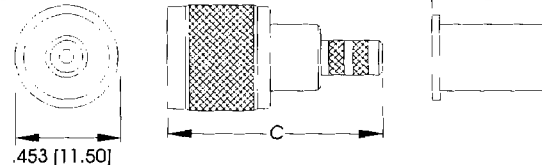
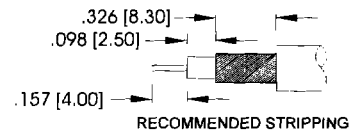


047

MINI-UHF SERIES

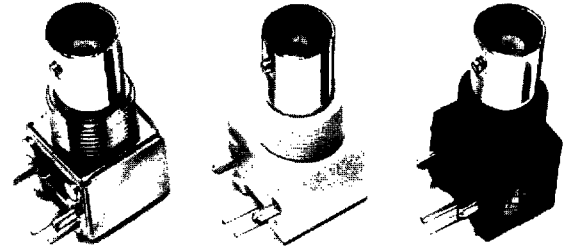
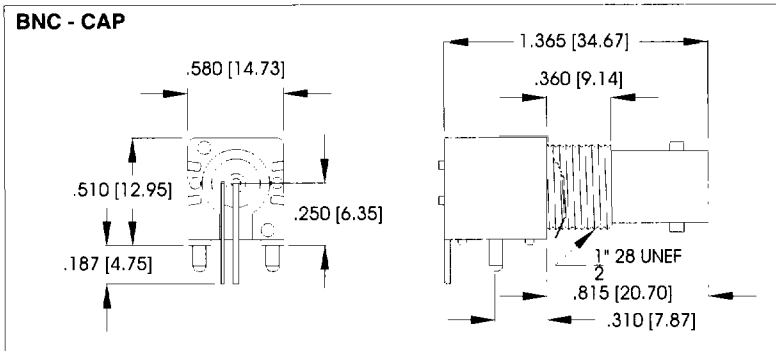


MINI UHF
STRAIGHT CRIMP
PLUG

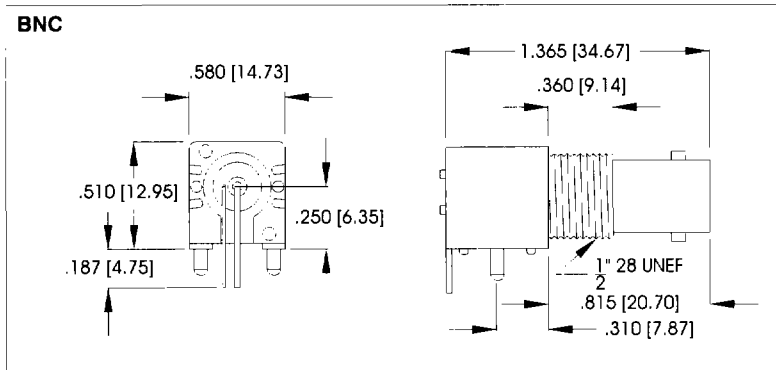


050

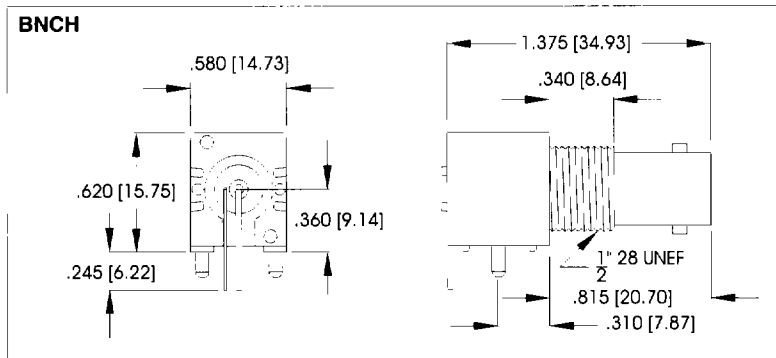
RIGHT ANGLE - CAPACITOR FILTERED



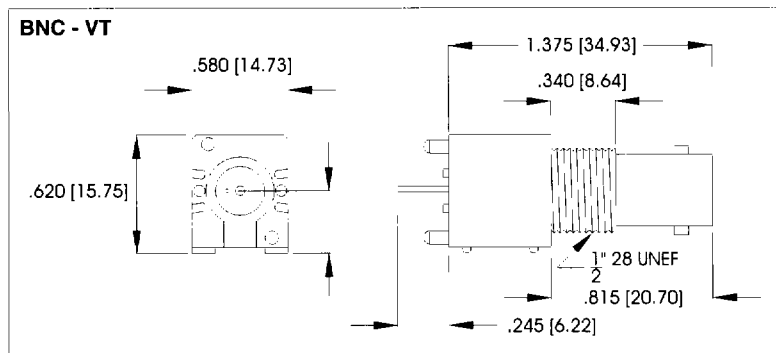
RIGHT ANGLE - LOW PROFILE



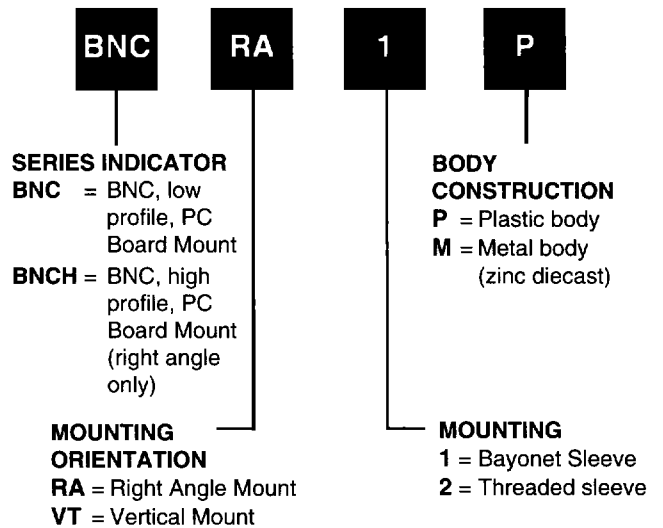
RIGHT ANGLE - HIGH PROFILE



VERTICAL - STANDARD PROFILE



ORDERING INFORMATION



* 50Ω standard or 75Ω option.

OPTIONS:

- Add as suffix to basic part number
- CAP** = Capacitor filtered version, 500 VDC
 - WT** = White Color Insulator
 - HDW** = Washer and Nut Included
 - 75** = 75Ω Impedance

PC Board Layout Right Angle Mount

