

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 M Ω @ 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 m Ω Braid to body: 0.5 m Ω

BNC SERIES

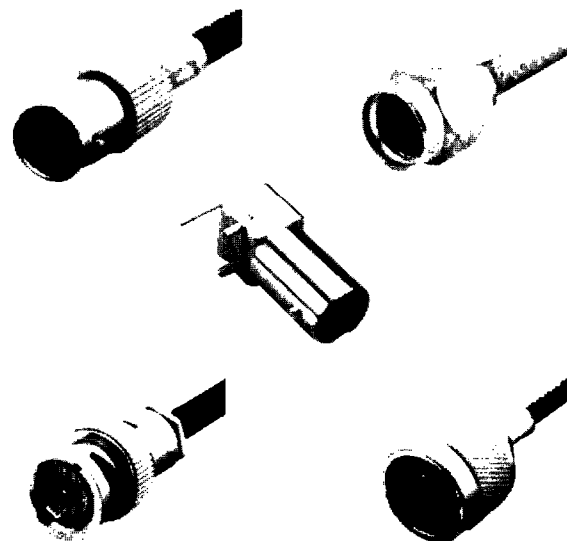
Frequency Range:	0-4 / 0-2 GHz
Voltage Rating:	1500 Volts peak
VSWR:	1.3 max. 0-4 GHz
Contact Resistance:	Center contact 1.5 M Ω Outer contact 1.0 M Ω

N SERIES

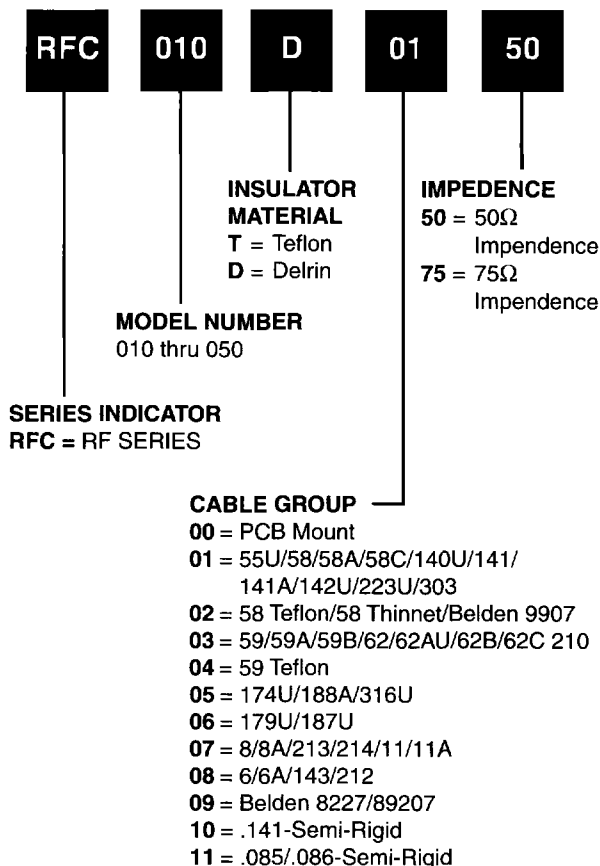
Frequency Range:	0-11 GHz
Voltage Rating:	1500 Volts peak
VSWR:	1.3 max. 0-11 GHz
Contact Resistance:	Center contact 1.0 M Ω Outer contact 0.2 M Ω

TWINAX SERIES

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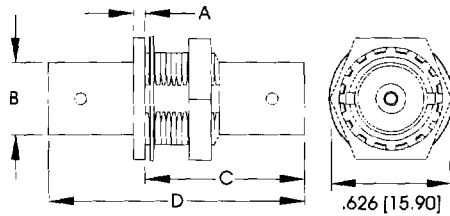
ORDERING INFORMATION



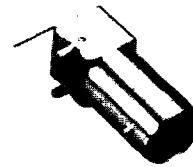
BNC SERIES



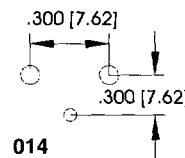
BNC-Jack to Jack Bulkhead Adapter



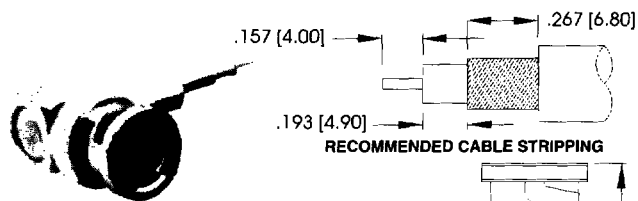
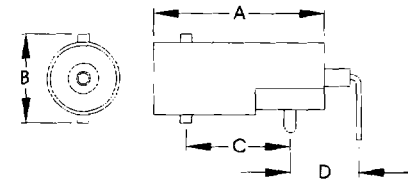
010



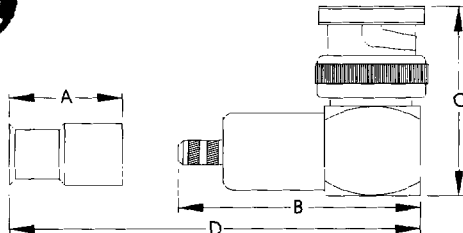
BNC-Right Angle Low Profile PC Board Mount



014



BNC-Right Angle Crimp Plug

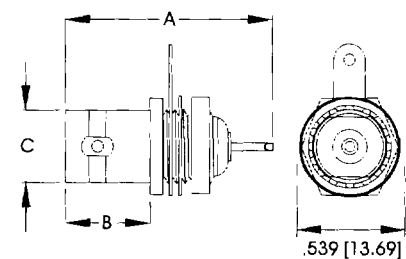


011

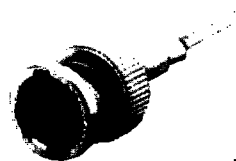
AFTER ASSEMBLY



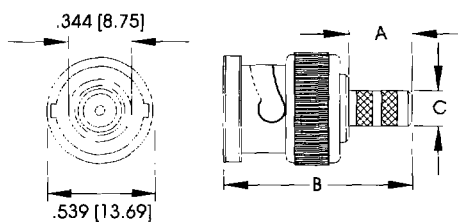
BNC-Bulkhead Crimp Jack



015



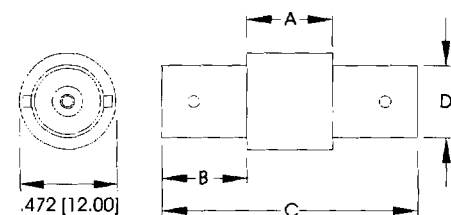
BNC-Straight Crimp Plug



012



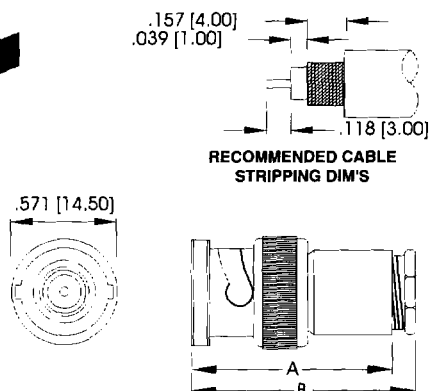
BNC-Jack to Jack Adapter



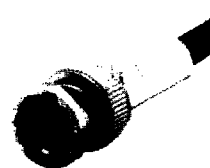
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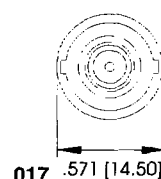
BNC-Straight Solder Plug Captive Contact



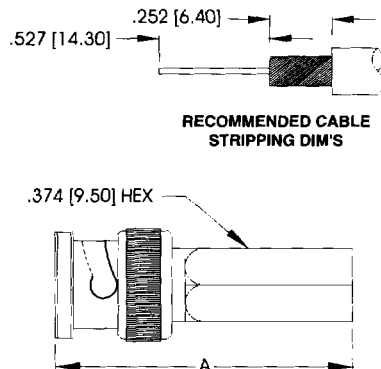
013



BNC-Twist-on Plug



017

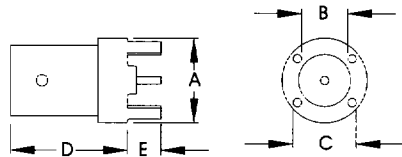


BNC SERIES



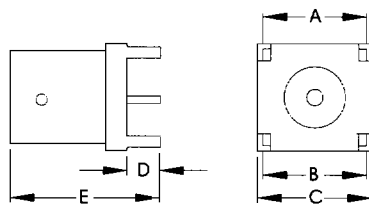
**BNC-Straight
PCB Mount
Jack**

018



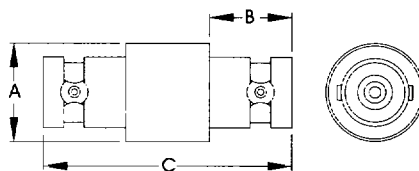
**BNC-Straight
PCB Mount
Jack**

019



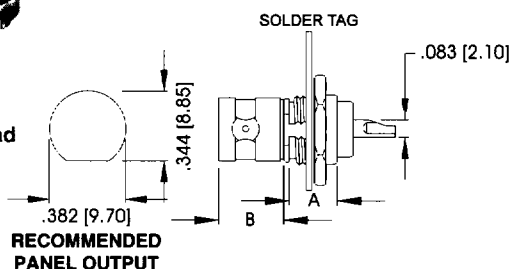
**BNC-Jack to Jack
Adapter**

020



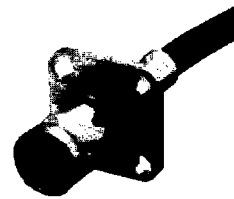
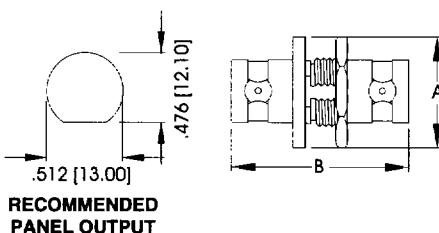
**BNC-Bulkhead
Receptacle
Jack**

021



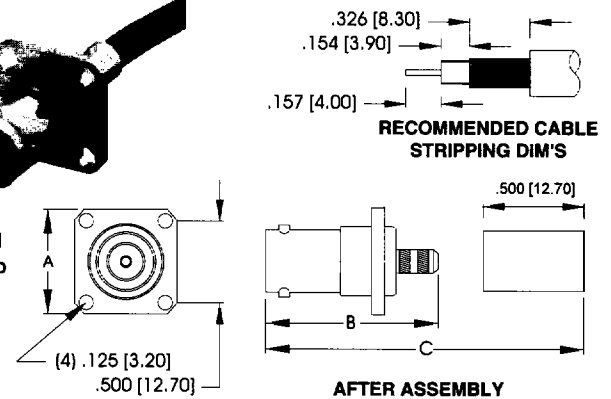
**BNC-Jack to Jack
Bulkhead Adapter**

022



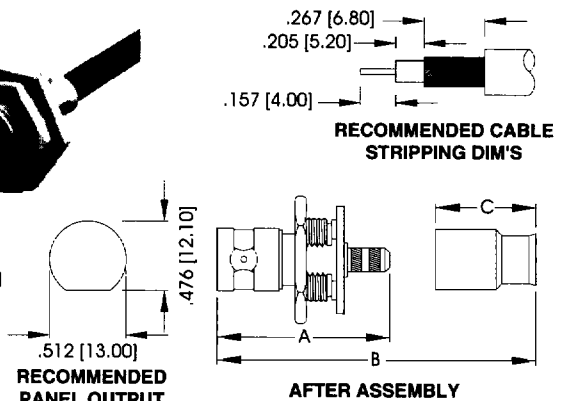
**BNC-Panel
Crimp Jack**

023



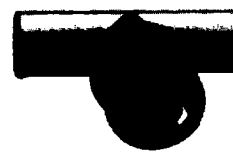
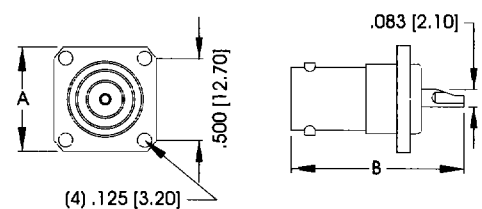
**BNC-
Bulkhead
Crimp
Jack**

024



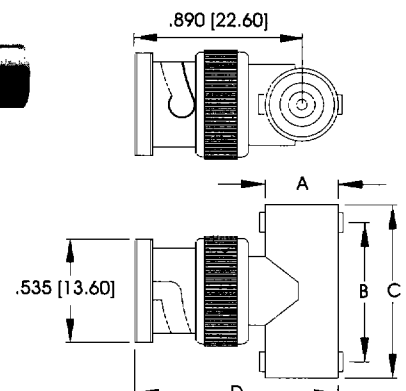
**BNC-Panel
Crimp Jack**

025

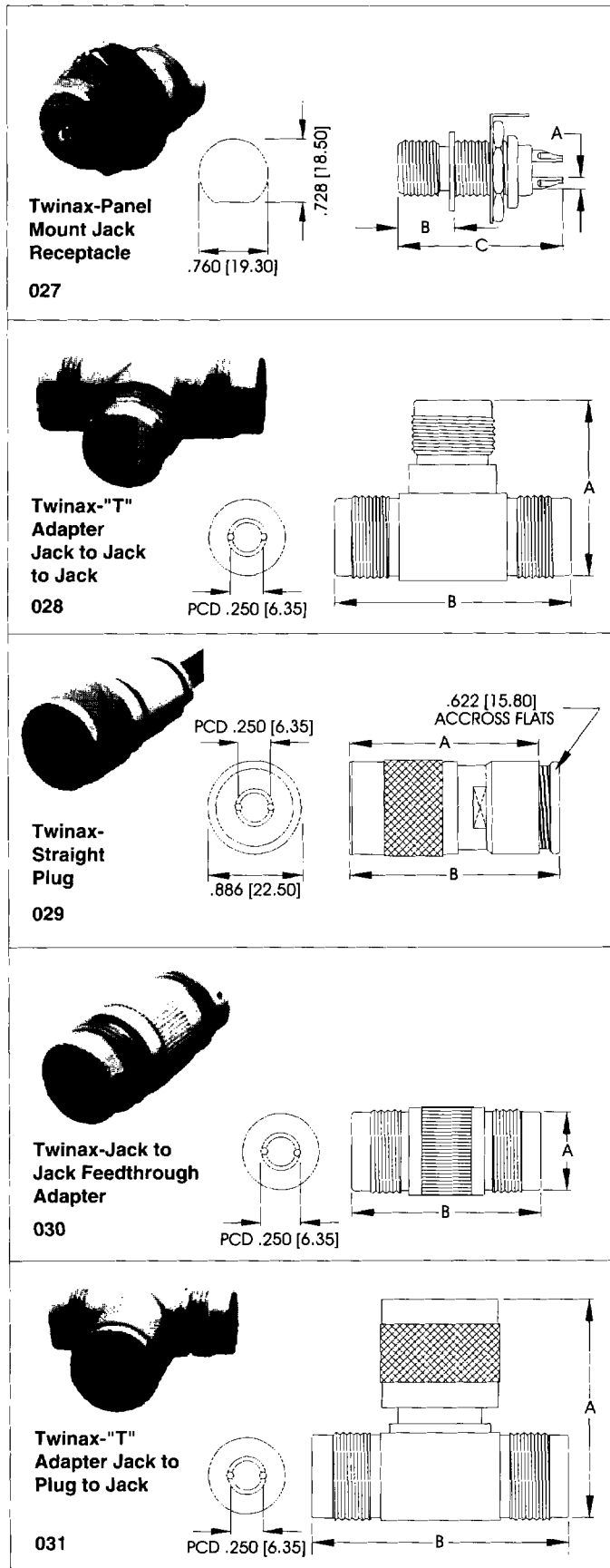


**BNC-'T' Adapter
Jack to Plug to Jack**

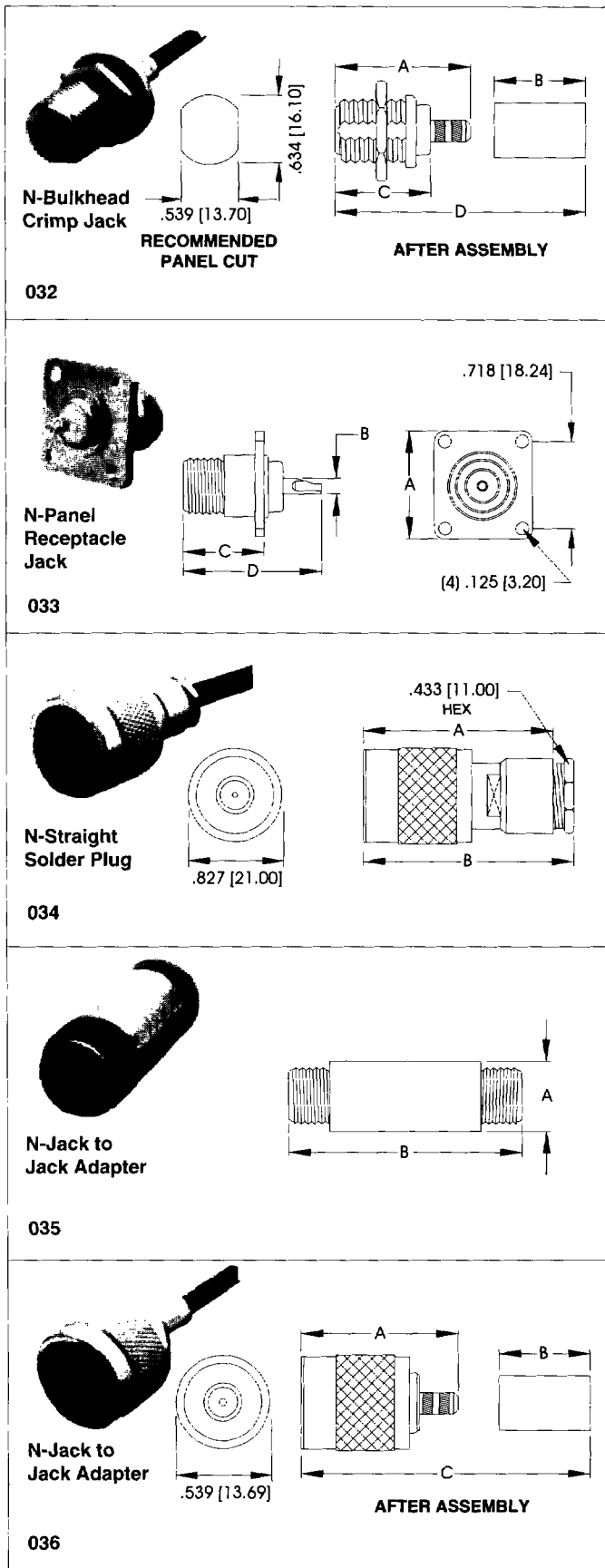
026



TWINAX SERIES



N-SERIES

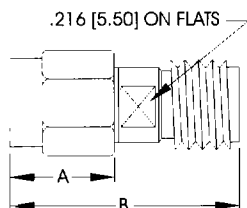


SMA SERIES



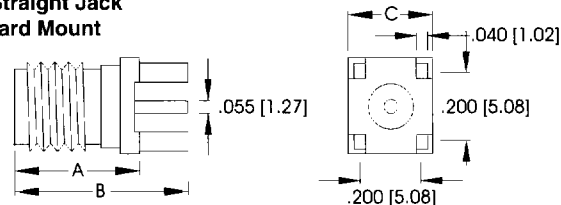
SMA-Plug
To Jack
Adapter

037



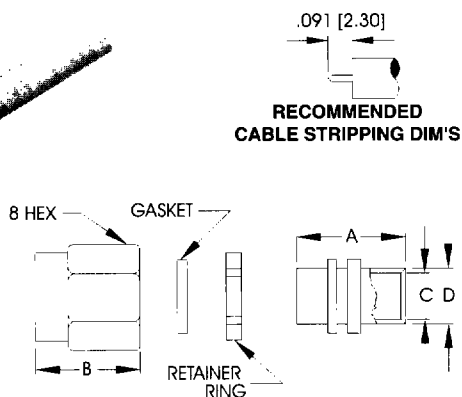
SMA-Straight Jack
PC Board Mount

041



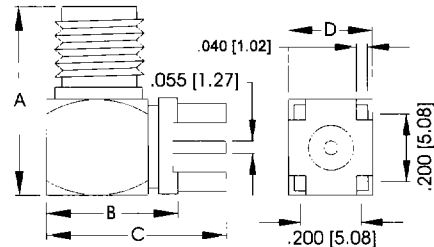
SMA-Straight
Cable Plug

038



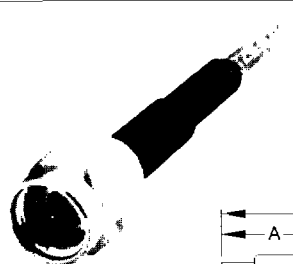
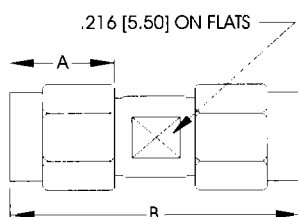
SMA-Right
Angle Jack
PC Board Mount

042



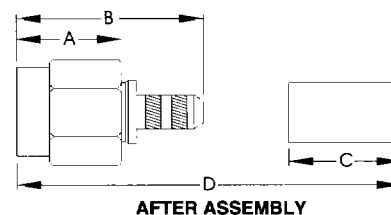
SMA-Plug
To Plug
Adapter

039



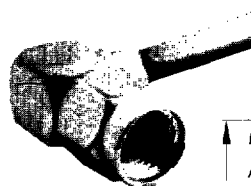
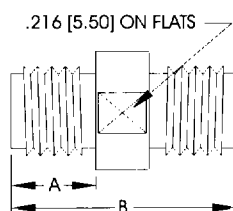
SMA-Straight
Crimp Jack

043



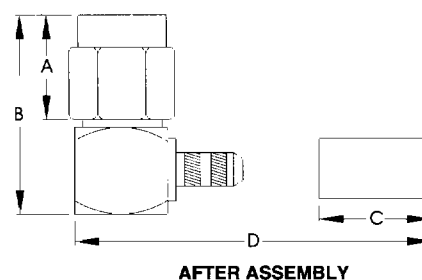
SMA-Jack to
Jack Adapter

040



SMA-Right
Angle Cable Plug

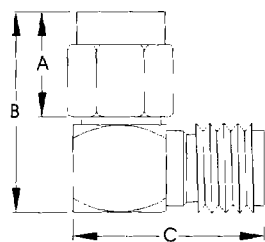
044



SMA SERIES



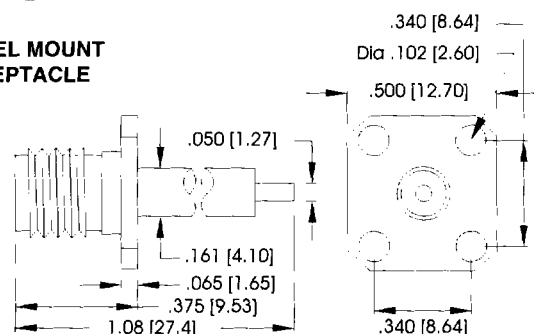
**SMA - PLUG TO JACK
ADAPTER - RIGHT ANGLE**



045



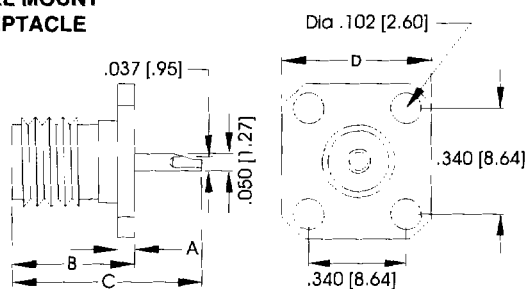
**SMA - PANEL MOUNT
JACK RECEPTACLE**



048



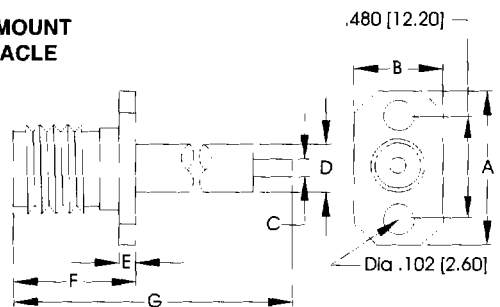
**SMA - PANEL MOUNT
PLUG RECEPTACLE**



046



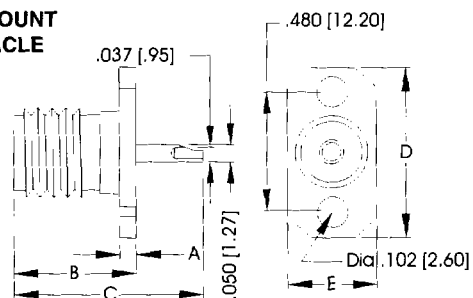
**SMA - PANEL MOUNT
JACK RECEPTACLE**



049

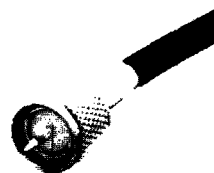


**SMA - PANEL MOUNT
PLUG RECEPTACLE**

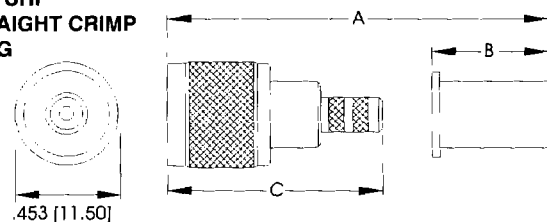
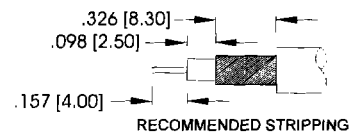


047

MINI-UHF SERIES

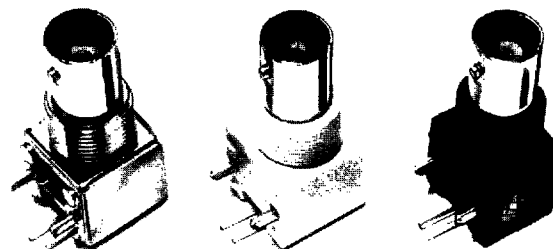
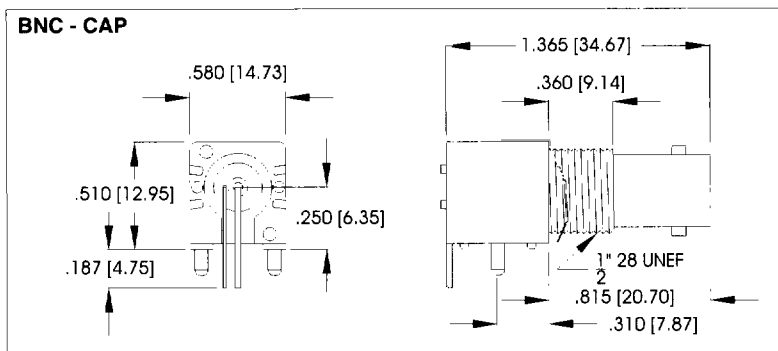


**MINI UHF
STRAIGHT CRIMP
PLUG**

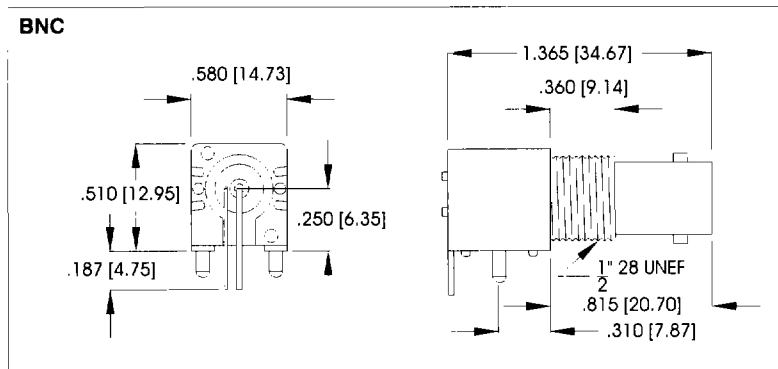


050

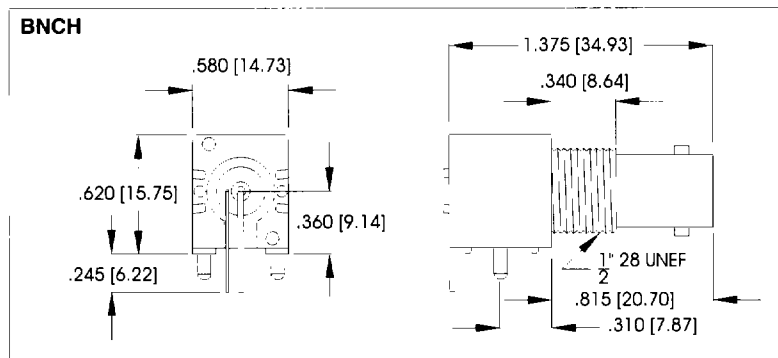
RIGHT ANGLE - CAPACITOR FILTERED



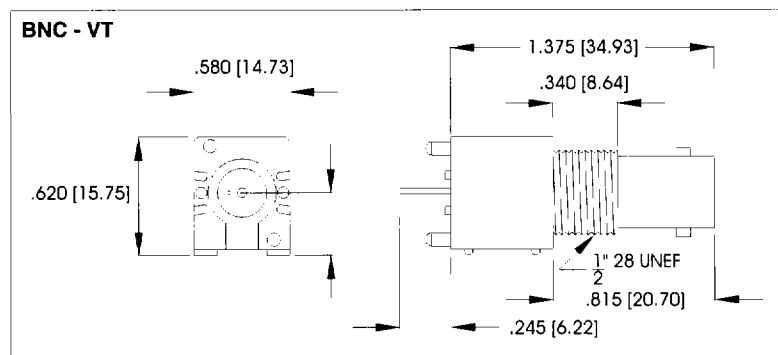
RIGHT ANGLE - LOW PROFILE



RIGHT ANGLE - HIGH PROFILE



VERTICAL - STANDARD PROFILE



ORDERING INFORMATION

BNC	RA	1	P
SERIES INDICATOR BNC = BNC, low profile, PC Board Mount BNCH = BNC, high profile, PC Board Mount (right angle only)	MOUNTING ORIENTATION RA = Right Angle Mount VT = Vertical Mount	MOUNTING 1 = Bayonet Sleeve 2 = Threaded sleeve	BODY CONSTRUCTION P = Plastic body M = Metal body (zinc diecast)

* 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

