



# N Series

N Series connectors are medium size, high quality connectors. They feature a threaded coupling and operate up to 11GHz. N Series connectors are most suitable when high performance and precision are necessary. Applications include Test and Measurement, Antennas, and Broadcast Equipment.

**Electrical Specification:** **MIL-C-39012 Paragraph**

Impedance:	50Ω 75Ω	
Frequency Range:	DC - 11GHz DC - 1.5GHz	
Contact Current:	DC 3.5A Max.	
Working Voltage:	5000 VDC RMS	
Contact Resistance:	Center contacts 3.0 mΩ max @ 1A, DC	(3-16)
	Outer contacts 0.3 mΩ	
Insulation Resistance:	5000 MΩ, min.	(3-11)
Insertion Loss:	<0.15dB at 10 GHz	(3-29)
VSWR:	≤ 1.5	(3-15)
RF Leakage:	-90 dBm min from 2-3 GHz	(3-28)

**Mechanical Data:**

Coupling Torque:	20 Ncm ~ 170 Ncm
Inner Conductor Retention Force Axial:	27 N
Mating Cycles:	500 matings

**Environmental Data:**

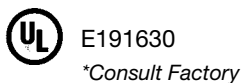
Temperature Range:	-55°C ~ +165°C	
Corrosion Resistance:		
MIL-STD-202 Method 101 Condition B		(3-14)
Thermal Cycling Tests:		
MIL-STD-202 Method 102 Condition C		
Shock:		
MIL-STD-202 Method 213 Condition I		(3-20)
Vibration:		
MIL-STD-202 Method 204 Condition B		(3-19)

**Materials:**

Bodies and Male Contacts:	Brass
Center Contact Female:	Beryllium Copper
Insulators:	PTFE Teflon
Gaskets:	Silicon Rubber

**Platings**

Bodies:	Nickel
Contacts:	Gold



Methode offers additional products and options, not illustrated in the catalog. Please contact the factory if you require additional assistance to resolve your design needs.



North and South America:  
**Methode Electronics, Inc. Connector Products**  
 1700 Hicks Road • Rolling Meadows, IL 60008 USA  
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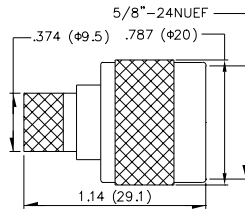


# N Series

## MN01

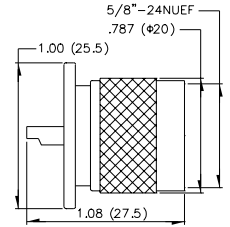
RG58/U RG59/U RG213/U

N MALE CRIMP TYPE



## MN08

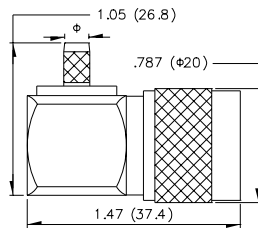
N MALE SOLDER PANEL



## MN03

RG58/U RG59/U RG213/U

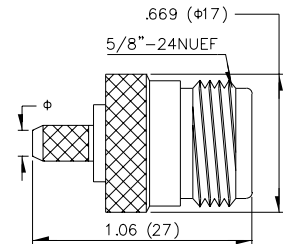
N RIGHT ANGLE MALE CRIMP TYPE



## MN09

RG58/U RG59/U

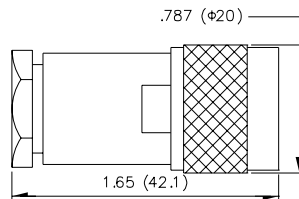
N FEMALE CRIMP TYPE



## MN04

RG58/U RG59/U RG213/U

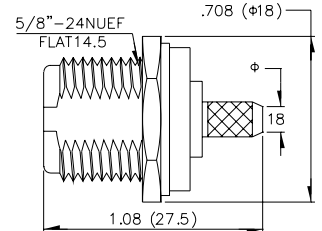
N MALE CLAMP TYPE



## MN10

RG58/U RG59/U

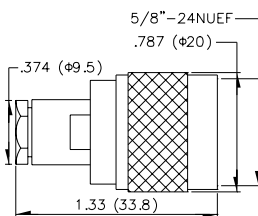
N FEMALE BULKHEAD CRIMP TYPE



## MN05

RG58/U RG59/U

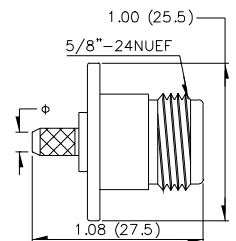
N MALE CLAMP TYPE



## MN11

RG58/U RG59/U

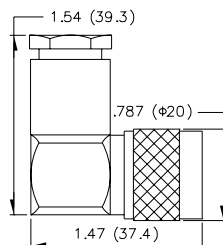
N FEMALE CRIMP PANEL RECEPTACLE



## MN06

RG58/U RG59/U RG213/U

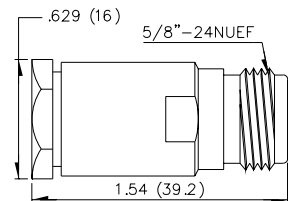
N RIGHT ANGLE MALE CLAMP TYPE



## MN12

RG58/U RG59/U RG213/U

N FEMALE CLAMP TYPE



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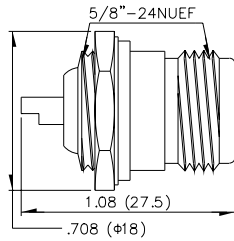
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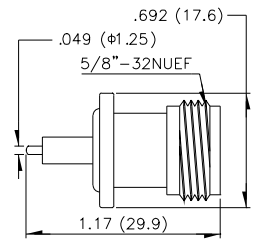
## MN15

N FEMALE SOLDER TYPE BULKHEAD



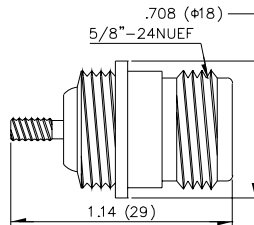
## MN18

N FEMALE PANEL RECEPTACLE



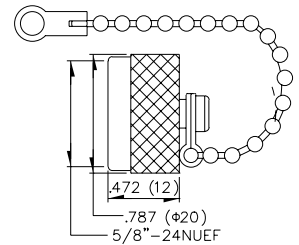
## MN151

N FEMALE SOLDER TYPE BULKHEAD



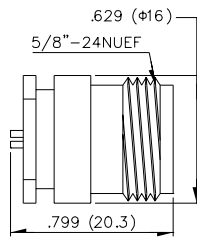
## MN19CAP

N FEMALE PROTECTIVE CAP



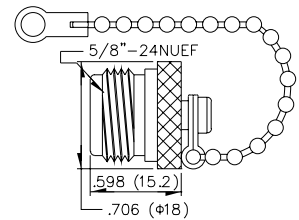
## MN15M

N FEMALE PANEL RECEPTACLE



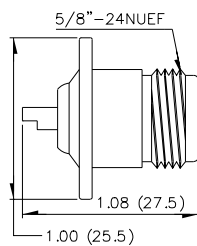
## MN20CAP

N MALE PROTECTIVE CAP



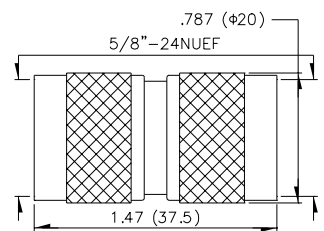
## MN17

N FEMALE PANEL RECEPTACLE\*



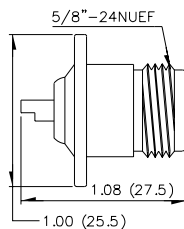
## MN21

N MALE TO MALE



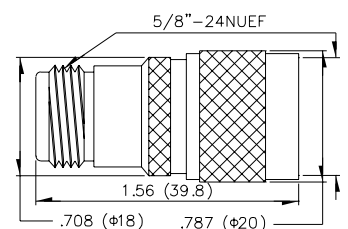
## MN17M

N FEMALE PANEL RECEPTACLE



## MN22

N MALE TO N FEMALE



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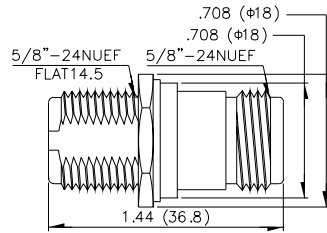
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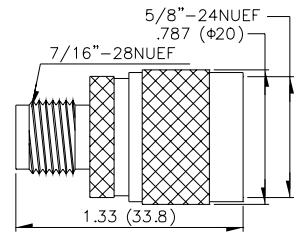
## MN23

N FEMALE TO N FEMALE



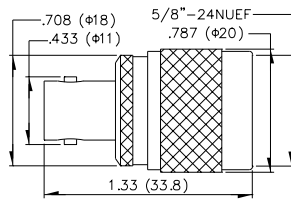
## MN28

N MALE TO TNC FEMALE



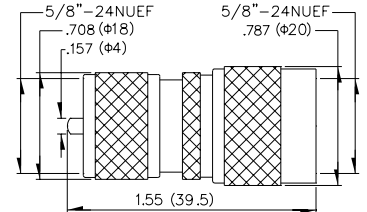
## MN24

N MALE TO BNC FEMALE



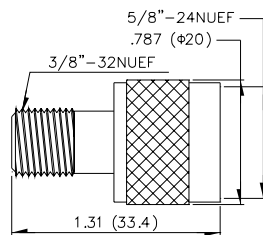
## MN29

N MALE TO UHF MALE



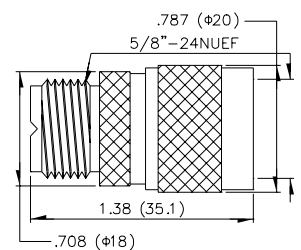
## MN25

N MALE TO F FEMALE



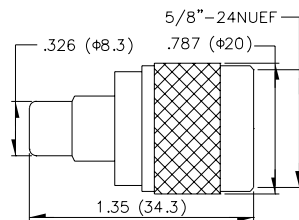
## MN30

N MALE TO UHF FEMALE



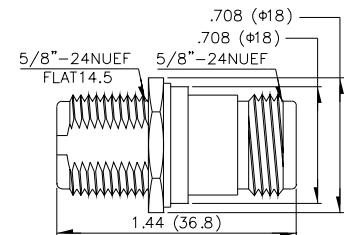
## MN26

N MALE TO RCA FEMALE



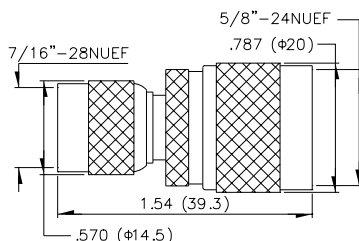
## MN32

N DOUBLE FEMALE BULKHEAD



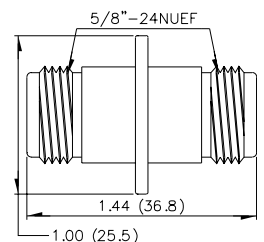
## MN27

N MALE TO TNC FEMALE



## MN33

N DOUBLE FEMALE PANEL MOUNT



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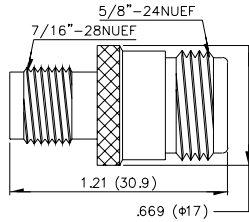
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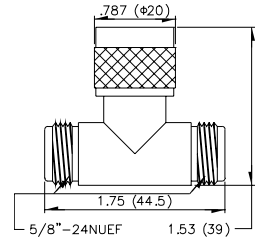
## MN34

N FEMALE TO TNC FEMALE



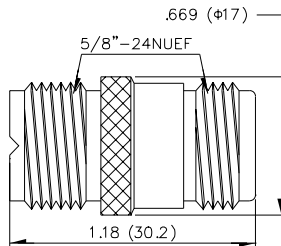
## MN39

N MALE TO N DOUBLE FEMALE



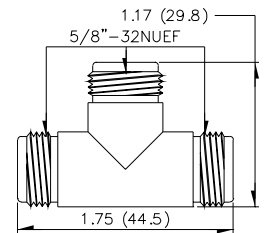
## MN35

N FEMALE TO UHF FEMALE



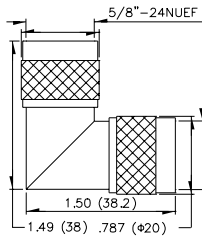
## MN41

N TRIPLE FEMALE



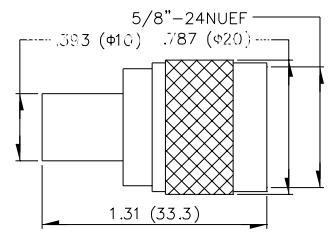
## MN36

N RIGHT ANGLE DOUBLE MALE



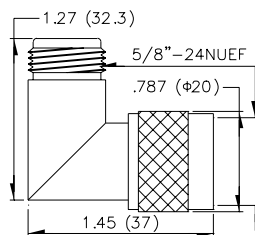
## MN43

N MALE TERMINATOR



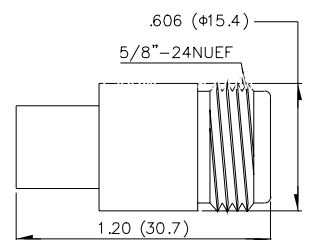
## MN37

N RIGHT ANGLE MALE TO N FEMALE



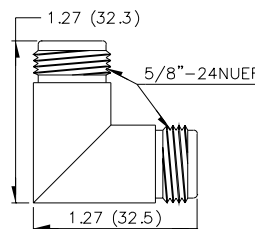
## MN44

N FEMALE TERMINATOR



## MN38

N RIGHT ANGLE DOUBLE FEMALE



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# RF/Microwave/Coax Connectors



**F SERIES**



**TNC SERIES**



**N SERIES**



**MINI-UHF SERIES**



**UHF SERIES**



**SMA SERIES**



**RCA SERIES**



**SMB SERIES**



**PAL SERIES**



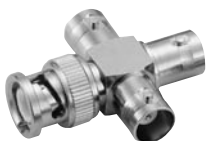
**MCX SERIES**



**FME SERIES**



**MMCX SERIES**



**BNC SERIES**

## PART NUMBER LEGEND

**MX(X) - XXX - X - XX - XX**

### IMPEDANCE

- 50 = 50Ω
- 75 = 75Ω
- 95 = 95Ω

### CABLE GROUP / MOUNTING STYLE

- 00 = PCB Mount
- 01 = 55U/58/58A/58C/140U/141/141A/142U/223U/303
- 02 = 58 Teflon/58 Thinnet/Belden® 9907
- 03 = 59/59A/59B/62/62AU/62B/62C/210
- 04 = 59 Teflon
- 05 = 174U/188A/316U
- 06 = 179U/187U
- 07 = 8/8A/213/214/11/11A
- 08 = 6/6A/143/212
- 09 = Belden® 8227/89207
- 10 = .141 Semi-Rigid
- 11 = .085/.086 Semi-Rigid
- 12 = Bulkhead Mount
- 13 = Chassis Mount
- 14 = Panel Mount

### INSULATOR TYPE

- T = Teflon
- D = Delrin
- PP = Polypropylene

### TYPE

001 through 999

### SERIES

- B = BNC
- T = TNC
- MU = MINI-UHF
- TN = TWINAX
- SA = SMA
- SB = SMB
- MC = MCX
- MX = MMCX
- F = F
- N = N
- U = UHF
- R = RCA
- MR = MINI-RCA
- FM = FME
- P = PAL TV
- SC = SMC
- 7 = DIN 7/16



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