

# AMPHENOL RF Connectors

RoHS Compliant This product is RoHS compliant.

## TNC CONNECTORS

Designed as a threaded version of the BNC, the TNC series features screw threads for mating. TNC are miniature, weatherproof units with a constant 50Ω impedance and operate from 0-11GHz.

- Temperature Range: -65°C to 165°C • Voltage Rating: 500 Volts Peak • Mating: 7/16 Threaded Coupling • RFX=Commercial version

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Cable Attachment Outer-Inner	MIL Type	Cable/Description	Crimp Tool Number	Price Each		
Mfr.	Mfr. Part No.						1	10	25
<b>Straight Plugs</b>									
523-31-2373		A	Dual Crimp	M23329/4-02,4-04	55,142,223,400	CTL-1	5.40	4.81	4.32
523-31-4452		A	Dual Crimp	M39012/26-0503	55, 142, 223, 400 (Silver Plating)	CTL-1	10.02	9.15	7.16
523-31-2367		A	Dual Crimp	M23329/4-01,4-03	58/A/C,141,303,LMR 195,7806A	CTL-1	5.43	4.96	4.67
523-31-2367-RFX		A	Dual Crimp	-----	58/A/C,141,303,LMR 195,7806A	CTL-1	1.62	1.46	1.26
523-31-2315-RFX		A	Dual Crimp	-----	174,188A,316,7805	CTL-2	2.07	1.87	1.73
523-31-2368		A	Dual Crimp	M23329/4-05	59,62,140,210,8241,8263,8279	CTL-1	5.66	5.03	4.60
523-31-2368-RFX		A	Dual Crimp	-----	59,62,140,210,8241,8263,8279,58,141	CTL-1	1.82	1.66	1.53
523-36825		A	Dual Crimp	-----	58, 141	CTL-1	5.33	4.87	4.07
523-31-6001-RFX		A	Crimp-Solder	-----	LMR 400, Belden 7810A, 8214, 9913	CTL-4	7.34	6.67	6.12
523-79875-RFX		B	Crimp-Solder	-----	55, 58, 141,142, 223, 400	---	3.47	3.35	3.23
<b>Right Angle Plug</b>									
523-31-2381		C	Dual Crimp	-----	55, 142, 223, 400	CTL-1	16.13	14.57	12.54
<b>Jacks</b>									
523-31-2300		D	Solder Cup	-----	4 Hole Square Flange	---	9.41	8.54	7.83
523-31-2301		E	Solder Cup	-----	Bulkhead, Front Mount	---	6.70	6.12	5.87
523-31-2301-RFX		E	Solder Cup	-----	Bulkhead, Front Mount	---	2.10	2.04	1.77
523-31-5660		F	PCB Mount	-----	Right Angle Bulkhead, Metal Housing	---	14.05	11.42	9.24
523-31-2318		G	Dual Crimp	-----	Bulkhead, 174,188A,316,Belden 7805	CTL-2	10.66	9.72	7.86
523-31-2318-RFX		G	Dual Crimp	-----	Bulkhead, 174,188A,316,Belden 7805	CTL-2	5.21	3.45	2.41
<b>Adapters and Accessories</b>									
523-31-4804		H	Jack to Jack	-----	Bulkhead, Isolated	---	15.26	14.76	11.39
523-78750		-	Male Cap	-----	Cap and Chain	---	9.80	8.95	8.41
523-79125		-	Jack to Plug	-----	R/A In-Series	---	42.35	39.46	36.96
523-79700		I	Jack-Plug-Jack	-----	Tee adapter	---	9.18	8.66	7.89

## TNC REVERSE POLARITY CONNECTORS

Reversed Center Pin Design (Will not mate with standard TNC connectors)

For quantities greater than listed, call for quote.

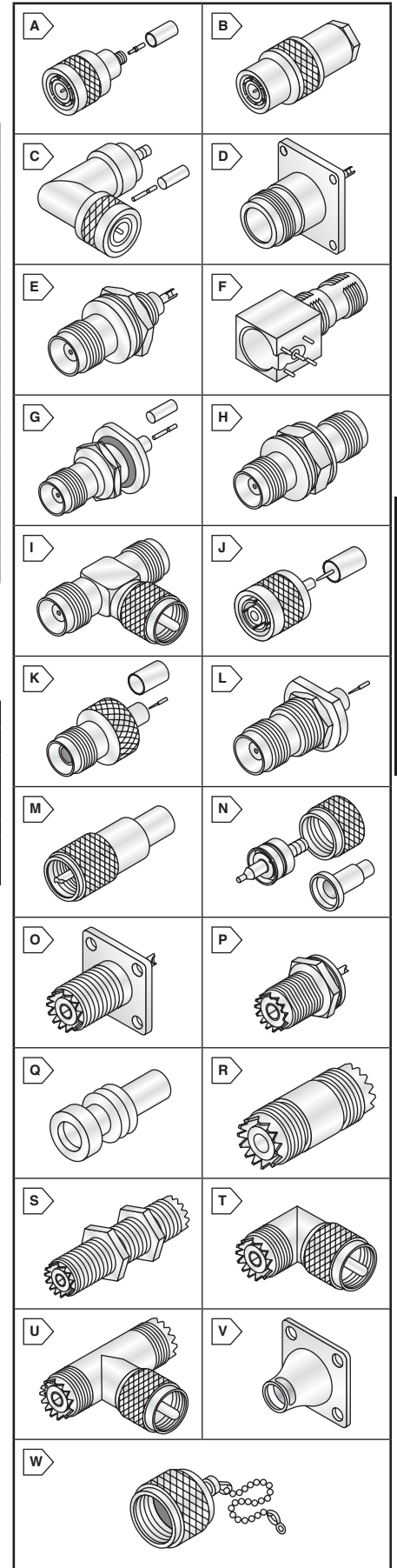
MOUSER STOCK NO.		Fig.	Cable Attachment Outer-Inner	MIL Type	Cable/Description	Crimp Tool Number	Price Each		
Mfr.	Mfr. Part No.						1	10	25
<b>Straight Plugs</b>									
523-31-5677		J	Dual Crimp	58, 58A, 58C, 141, 303, LMR 195, 7806A	CTL-1	7.63	6.82	6.26	
523-31-5677-1000		J	Dual Crimp	55, 142, 223, 400	CTL-1	10.70	9.78	9.00	
523-31-5679		J	Crimp-Solder	LMR 400, Belden 7810A, 8214, 9913	---	10.62	9.70	8.93	
<b>Jacks</b>									
523-31-5678		K	Dual Crimp	58, 58A, 58C, 141, 303, LMR 195, 7806A	CTL-1	14.16	13.34	12.07	
523-31-5684		K	Crimp-Solder	LMR 400, Belden 7810A, 8214, 9913	---	9.75	8.91	8.21	
523-31-5687		L	Dual Crimp	Bulkhead, 58, 141, 303, LMR 195, 7806A	CTL-1	12.93	11.83	10.89	

## UHF CONNECTORS

- General purpose units for use in low frequency systems from .6-300MHz
- Frequency Range: 0-300MHz
- Mating: 5/8-24 Threaded Coupling
- Impedance: Non-constant
- Temperature Range: -65°C to 165°C (TFE Insulators)
- Voltage Rating: 500 Volts Peak
- RFX: Commercial version

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Cable Attachment Outer-Inner	MIL Type	Cable/Description	Crimp Tool Number	Price Each		
Mfr.	Mfr. Part No.						1	10	25
<b>Straight Plugs</b>									
523-831SP		M	Solder-Solder	PL-259	8, 9, 87A, 214, 313, 225	---	4.29	3.92	3.63
523-83-1SP-1050		M	Solder-Solder	PL-259	8, 9, 87A, 214, 313, 225	---	4.06	3.77	3.10
523-83-1SP-15RFX		M	Solder-Solder	-----	8, 9, 87A, 214, 313, 225	---	2.06	1.86	1.58
523-83-822		M	Solder-Solder	PL-259	8, 9, 87A, 214, 313, 225	---	5.10	4.63	3.86
523-83-750		M	Solder-Solder	UG-111/U	59, 62, 140, 210, 8241, 8279, 9209	---	21.37	19.14	17.83
523-83-58DCP-2RFX		N	Dual Crimp	-----	58, 58A, 58C, 141, 303, LMR 195, 7806A	CTL-1	3.48	3.18	2.95
523-83-58FCP-RFX		N	FCP-Pliers	-----	58, 58A, 58C, 141, 303, LMR 195, 7806A	---	2.91	2.45	2.29
<b>Panel Receptacles</b>									
523-83-1R		O	Solder Cup	SO-239	4-Hole Square Flange, PBT Insulator	---	3.28	3.07	2.62
523-83-1R-RFX		O	Solder Cup	-----	4-Hole Square Flange, PBT Insulator	---	3.59	3.20	2.87
523-83-798		O	Solder Cup	SO-239A	4-Hole Square Flange, TFE Insulator	---	5.72	5.16	4.26
<b>Bulkhead Receptacles</b>									
523-83-878		P	Solder Cup	-----	Rear Mount, .187" Max Panel	---	5.44	4.69	4.44
523-83-878-RFX		P	Solder Cup	-----	Rear Mount, .187" Max Panel	---	5.17	4.70	4.32
<b>Adapters and Accessories</b>									
523-83-185		Q	Cable Reducer	UG-175/U	Adapter RG-55, 58, 141, 142 Cable	---	7.93	7.25	6.68
523-83-185-RFX		Q	Cable Reducer	-----	Adapter RG-55, 58,141, 142 Cable	---	.62	.56	.46
523-83-168-RFX		Q	Cable Reducer	-----	Adapter RG-59, 62, 71, 140, 210 Cable	---	.54	.45	.42
523-83-1J		R	Jack to Jack	PL-258	Straight Jack to Jack Adapter	---	10.32	9.57	8.95
523-83-1F		S	Jack to Jack	UG-363/U	Bulkhead Jack to Jack, .890" Max Panel	---	20.84	20.01	16.86
523-83-1AP		T	Jack to Plug	UG-646/U	Right Angle Jack to Plug Adapter	---	15.42	14.02	10.53
523-83-1T		U	Jack-Plug-Jack	M-358	Tee Adapter Jack-Plug-Jack	---	19.75	18.19	16.84
523-83-765		V	Connect. Hood	UG-177/U	4-Hole Flange 83-1R to RG 58, 141	---	8.01	6.67	4.43
523-83-1H		V	Connect. Hood	UG-106/U	4-Hole Flange 83-1R to RG 8, 10, 11, 12, 215	---	6.98	6.38	5.87
523-83-1AC-RFX		W	-----	-----	Receptacle Cap with Chain	---	2.00	1.82	1.67



RF Connectors Amphenol