

UHF Coaxial Connectors

Fig.	Description	Cable Group RG/U	Military Part No.	Digi-Key Part No.	1	Price Each 25	100	Amphenol Part No.
1	Plug	8, 9, 87A, 214, 313, 225	PL-259/U	ARF1000-ND	5.50	2.22	2.00	83-1SP-1050
		8, 9, 87A, 214, 313, 225	PL-259/U	ARFX1000-ND	2.43	1.16	1.07	83-1SP-15RFX
		8, 9, 87A, 214, 313, 225	PL-259	ARF1001-ND	6.88	2.56	2.26	83-822
2	Plug (Crimp or Solder)	58, 141, 142	—	ARFX1002-ND	3.08	1.46	1.40	83-58FCP-RFX
3	Reducing Adapter	58, 141, 142	UG-175	ARFX1003-ND	.59	.29	.28	83-185-RFX
		59, 62, 71, 140, 210	UG-176	ARFX1004-ND	.45	.22	.21	83-168-RFX
4	Panel Receptacle	—	—	SO-239/U	4.89	1.82	1.50	83-1R
		—	—	SO-239	2.88	1.80	1.63	83-1R-RFX
		—	—	SO-239/A	7.95	2.95	2.49	83-798
5	Panel Mount Hood	58, 141	UG-177	ARF1167-ND	4.53	3.02	2.33	83-765
6	Bulkhead Receptacle	—	—	ARF1006-ND	19.51	8.88	7.51	83-875-1002
7	Bulkhead Receptacle	—	—	ARF1007-ND	5.07	3.51	2.63	83-878
		—	—	ARFX1007-ND	4.29	2.79	2.25	83-878-RFX
8	Straight/Jack-Jack	—	PL-258/U	ARF1008-ND	9.33	5.12	4.36	83-1J
9	Bulkhead/Jack-Jack	—	UG-363/U	ARF1009-ND	27.34	10.13	8.72	83-1F
10	Angle/Jack-Plug	—	UG-646/U	ARF1010-ND	15.99	6.72	6.07	83-1AP
11	Teel/Jack-Plug-Jack	—	M-358	ARF1011-ND	10.72	7.80	7.23	83-1T

◆ **RoHS Compliant** † RFX connectors. RFX is specifically designed for applications that do not require performance above 1 to 3 GHz. RFX connectors are not for use in military system applications. RFX connectors are generally less expensive than MIL-Spec and industry standard connectors.

Mini UHF Connector



Fig.	Description	Cable Group RG/U	Digi-Key Part No.	1	Price Each 25	100	Amphenol Part No.
12	Plug (Crimp tools below)	58, 58A, 58C, 141, 303	ARF1092-ND	3.28	2.04	1.85	81-115N-1000

Between Series Adapters

Fig.	Description	Military Part No.	Digi-Key Part No.	1	Price Each 25	100	Amphenol Part No.
13	BNC Jack to N Plug	UG-201A/U	ARF1096-ND	12.32	5.42	5.19	31-216
		UG-201A/U	ARFX1096-ND	11.35	7.78	6.59	31-216-RFX
14	BNC Jack to TNC Plug	—	ARF1098-ND	17.95	13.46	13.17	79675
15	BNC Jack to UHF Plug	UG-273/U	ARF1099-ND	15.57	11.49	10.57	31-28
		UG-273/U	ARFX1099-ND	—	21.00	—	31-28-RFX
16	BNC Plug to N Jack	UG-349A/U	ARF1102-ND	14.51	7.01	6.70	31-217
		UG-349A/U	ARFX1102-ND	17.05	10.75	10.02	31-217-RFX
17	BNC Plug to SMA Jack	—	ARF1103-ND	65.41	28.78	27.52	901-165
18	BNC Plug to TNC Jack	—	ARF1104-ND	23.71	18.25	17.44	79025
19	BNC Plug to UHF Jack	UG-255/U	ARF1105-ND	21.36	9.39	8.99	2900
20	N Plug to SMA Jack	—	ARF1106-ND	82.99	41.93	40.54	901-294
21	N Plug to UHF Jack	UG-146/U	ARF1107-ND	18.18	8.68	8.30	4400

◆ **RoHS Compliant**

ECONOHEX™ Crimp Tools and Dies

Fig.	Description	Digi-Key Part No.	Price Each	Amphenol Part No.
CTL Series Crimp Tools (Die Set Included)				
22	Crimp Tool – RG 58, 59, 62, Plenum 59, 62	ARF1116-ND	39.60	CTL-1
	Crimp Tool – RG 174, Belden 8281	ARF1117-ND	39.60	CTL-2
	Crimp Tool – RG 58, 8, 213	ARF1118-ND	39.60	CTL-3
	Crimp Tool – RG 55, 58, 59, 62, 140, 141, 142, 210, 223, 303, 400, Plenum 59, 62	ARF1183-ND	39.60	CTL-5
Crimp Tool and Dies				
22	Tool Handle without Dies	ARF1108-ND	102.93	227-987
23	Crimp Die Set – RG 174, 179, 187, 188, 316	ARF1111-ND	64.96	227-1418

UMCC — Ultraminiature Coax Connector and Cable Assembly Series



Features:

- 360° mated rotation
- Ultra low profile (2.0mm or 2.5mm maximum mated height)
- Surface mount and reflow solderable
- Style A receptacles mate with HIROSE U.FL/U.FL(v) series connectors
- Style B receptacles mate with MURATA GSC series connectors

Specifications:

- Characteristic Impedance: 50Ω
- Frequency Range: DC – 6GHz
- Durability: 30 cycles
- Operating Temperature: -40°C – 90°C

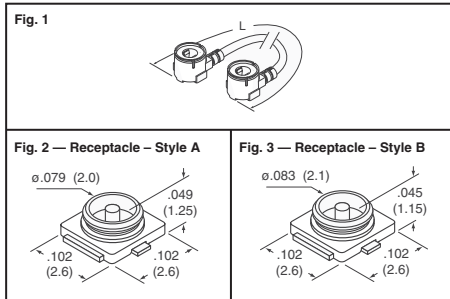


Fig.	Description	Dim. L (mm)	Digi-Key Part No.	1	Price Each 25	50	Tyco Electronics Part No.
1	Double Ended Cable Assembly, Type I	200	A36221-ND	2.96	2.55	2.25	2015697-2
		200	A36223-ND	2.90	2.50	2.21	2015698-3
	Double Ended Cable Assembly, Type III	100	A36224-ND	1.55	1.33	1.18	2015699-1
		200	A36225-ND	2.96	2.55	2.25	2015699-2
		100	A36226-ND	2.76	2.38	2.10	2015700-1
		200	A36227-ND	2.74	2.36	2.09	2015700-2
		100	A36228-ND	2.82	2.42	2.14	2015357-3
200	A36229-ND	1.49	1.28	1.14	2015357-4		
—	UMCC Plug – FME Plug, Type III	200	A36230-ND	13.76	11.84	10.46	2032438-1
	UMCC Plug – SMA Plug, Type III	200	A36231-ND	7.21	6.20	5.48	2032439-1
	UMCC Plug – SMA Bulkhead Jack, Type III	200	A36232-ND	5.81	5.00	4.42	2032440-1
	UMCC Plug – MCX Right Angle Plug, Type II	200	A36233-ND	16.90	14.54	12.85	2032441-1
	UMCC Plug – MCX Right Angle Plug, Type III	200	A36234-ND	16.90	14.54	12.85	2032442-1
	UMCC Plug – MMCX Right Angle Plug, Type II	200	A36235-ND	18.84	16.21	14.32	2032443-1
UMCC Plug – MMCX Right Angle Plug, Type III	200	A36236-ND	18.84	16.21	14.32	2032444-1	
2	UMCC Receptacle – Style A, Type II/III, SMD	—	A36237CT-ND†	1.14	.74	.66	1566230-1
		—	A36237TR-ND‡	994.29	2,500	—	1566230-1
3	UMCC Receptacle – Style B, Type I, SMD	—	A36238CT-ND†	1.60	1.04	.92	1775146-1
		—	A36238TR-ND‡	1403.65	2,500	—	1775146-1
—	UMCC Plug – SMA Jack Adapter, Type I	—	A36239-ND	36.84	31.69	28.01	1775229-1
		—	A36240-ND	36.84	31.69	28.01	1775230-1
—	UMCC Jack Receptacle – SMA Plug Adapter, Type I	—	A36241-ND	36.84	31.69	28.01	1775228-1
		—	A36242-ND	36.84	31.69	28.01	1775227-1
—	Extraction Tool	—	A36243-ND	2.98	2.56	2.27	1775231-1

† Cut Tape ‡ Tape and Reel

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