

Emerson's UMC Ultraminiature Coaxial Connectors and Cable Assemblies are the answer for quality, snap-on connections built to meet your cost and performance targets. The UMC cable plugs and jack receptacles offer 2.0mm and 2.5mm maximum mated height options with DC to 6 GHz electrical performance.

Applications: • Wireless LAN, Mini-PCI and Hand-Held RF Devices • GSM, GPRS and CDMA Mobile Phones • PDA and Notebook Computer • GPS • Bluetooth • Microwave radio and measurement **Features:** • Excellent cost to performance

Product Specifications:
• Impedance: 50Ω (nominal) • Temperature Range: -40°C – 90°C • Frequency Rating: 0GHz – 6GHz • VSWR: 1.30 maximum (0GHz – 6GHz) • Contact Resistance: 20mΩ maximum (Center), 20mΩ maximum (Outer, for plug), 10mΩ maximum (Outer, for receptacle) • Withstanding Voltage: 200VAC • Insulation Resistance: 500MΩ minimum • Durability: 30 cycles • Holding Force (minimum): 0.15 N (Female contact)

A

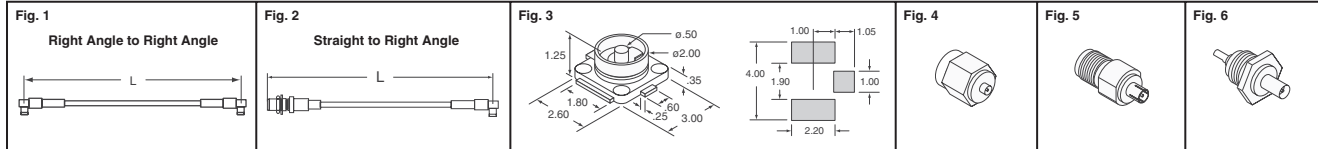


Fig.	Coaxial Cable ø (mm)	Plug Mated Height (mm)	Dimension L (mm)	Digi-Key Part No.	Price Each	1	50	100	Johnson Part No.
Right Angle to Right Angle Cables									
Low Profile UMC Right Angle Cable Plug to UMC Right Angle Cable Plug									
1	.081	2.0	50	J918-ND	3.58	3.18	2.52	415-0084-050	
			100	J919-ND	3.75	3.34	2.64	415-0084-100	
			150	J920-ND	3.98	3.54	2.81	415-0084-150	
			200	J921-ND	4.12	3.66	2.90	415-0084-200	
			250	J922-ND	4.25	3.78	3.00	415-0084-250	
			300	J923-ND	4.46	3.96	3.14	415-0084-300	
500	J924-ND	5.20	4.62	3.66	415-0084-500				
Medium Profile UMC Right Angle Cable Plug to UMC Right Angle Cable Plug									
1	.081	2.5	50	J925-ND	3.58	3.18	2.52	415-0085-050	
			100	J926-ND	3.75	3.34	2.64	415-0085-100	
			150	J927-ND	3.98	3.54	2.81	415-0085-150	
			200	J928-ND	4.12	3.66	2.90	415-0085-200	
			250	J929-ND	4.25	3.78	3.00	415-0085-250	
			300	J930-ND	4.46	3.96	3.14	415-0085-300	
500	J931-ND	5.20	4.62	3.66	415-0085-500				
1	1.13	2.5	50	J932-ND	3.58	3.18	2.52	415-0086-050	
			100	J933-ND	3.75	3.34	2.64	415-0086-100	
			150	J934-ND	3.98	3.54	2.81	415-0086-150	
			200	J935-ND	4.12	3.66	2.90	415-0086-200	
			250	J936-ND	4.25	3.78	3.00	415-0086-250	
			300	J937-ND	4.46	3.96	3.14	415-0086-300	
500	J938-ND	5.20	4.62	3.66	415-0086-500				
1	1.32	2.5	50	J939-ND	3.58	3.18	2.52	415-0087-050	
			100	J940-ND	3.75	3.34	2.64	415-0087-100	
			150	J941-ND	3.98	3.54	2.81	415-0087-150	
			200	J942-ND	4.12	3.66	2.90	415-0087-200	
			250	J943-ND	4.25	3.78	3.00	415-0087-250	
			300	J944-ND	4.46	3.96	3.14	415-0087-300	
500	J945-ND	5.20	4.62	3.66	415-0087-500				
1	1.37	2.5	50	J946-ND	3.58	3.18	2.52	415-0088-050	
			100	J947-ND	3.75	3.34	2.64	415-0088-100	
			150	J948-ND	3.98	3.54	2.81	415-0088-150	
			200	J949-ND	4.12	3.66	2.90	415-0088-200	
			250	J950-ND	4.25	3.78	3.00	415-0088-250	
			300	J951-ND	4.46	3.96	3.14	415-0088-300	
500	J952-ND	5.20	4.62	3.66	415-0088-500				
Low Profile UMC Right Angle Cable Plug to MMCX Right Angle Crimp Plug									
1	.81	2.0	150	J977-ND	15.20	13.51	10.70	415-0101-150	
			250	J978-ND	15.42	13.71	10.86	415-0101-250	
Medium Profile UMC Right Angle Cable Plug to MMCX Right Angle Crimp Plug									
1	.81	2.5	150	J979-ND	15.20	13.51	10.70	415-0102-150	
			250	J980-ND	15.42	13.71	10.86	415-0102-250	
			150	J981-ND	14.82	13.18	10.43	415-0103-150	
			250	J982-ND	15.12	13.44	10.64	415-0103-250	
Right Angle to Straight Cables									
Low Profile UMC Right Angle Cable Plug to SMA Straight Crimp Plug									
2	.81	2.0	150	J953-ND	17.84	15.86	12.56	415-0089-150	
			250	J954-ND	18.18	16.17	12.80	415-0089-250	

Fig.	Coaxial Cable ø (mm)	Plug Mated Height (mm)	Dimension L (mm)	Digi-Key Part No.	Price Each	1	50	100	Johnson Part No.
Medium Profile UMC Right Angle Cable Plug to SMA Straight Crimp Plug									
2	.81	2.5	150	J955-ND	17.84	15.86	12.56	415-0090-150	
			250	J956-ND	18.18	16.17	12.80	415-0090-250	
	1.37	2.5	150	J957-ND	17.69	15.73	12.45	415-0091-150	
			250	J958-ND	17.92	15.93	12.61	415-0091-250	
Low Profile UMC Right Angle Cable Plug to RP-SMA Straight Crimp Plug									
2	.81	2.0	150	J959-ND	17.05	15.16	12.00	415-0092-150	
			250	J960-ND	17.35	15.43	12.21	415-0092-250	
Medium Profile UMC Right Angle Cable Plug to RP-SMA Straight Crimp Plug									
2	.81	2.5	150	J961-ND	17.05	15.16	12.00	415-0093-150	
			250	J962-ND	17.35	15.43	12.21	415-0093-250	
	1.37	2.5	150	J963-ND	15.20	13.51	10.70	415-0094-150	
			250	J964-ND	15.80	14.05	11.12	415-0094-250	
Low Profile UMC Right Angle Cable Plug to SMA Straight Crimp Bulkhead Jack									
2	.81	2.0	150	J965-ND	15.80	14.05	11.12	415-0095-150	
			250	J966-ND	16.03	14.25	11.28	415-0095-250	
Medium Profile UMC Right Angle Cable Plug to SMA Straight Crimp Bulkhead Jack									
2	.81	2.5	150	J967-ND	15.80	14.05	11.12	415-0096-150	
			250	J968-ND	16.03	14.25	11.28	415-0096-250	
	1.37	2.5	150	J969-ND	17.24	15.33	12.13	415-0097-150	
			250	J970-ND	15.80	14.05	11.12	415-0097-250	
Low Profile UMC Right Angle Cable Plug to RP-SMA Straight Crimp Bulkhead Jack									
2	.81	2.0	150	J971-ND	16.93	15.06	11.92	415-0098-150	
			250	J972-ND	17.16	15.26	12.08	415-0098-250	
Medium Profile UMC Right Angle Cable Plug to RP-SMA Straight Crimp Bulkhead Jack									
2	.81	2.5	150	J973-ND	16.93	15.06	11.92	415-0099-150	
			250	J974-ND	17.16	15.26	12.08	415-0099-250	
	1.37	2.5	150	J975-ND	16.71	14.86	11.76	415-0100-150	
			250	J976-ND	16.86	14.99	11.87	415-0100-250	
Low Profile UMC Right Angle Cable Plug to Bare End									
—	.81	2.5	150	J10034-ND	2.50	2.22	1.76	415-0104-150	
			250	J10035-ND	2.80	2.50	1.98	415-0104-250	
Medium Profile UMC Right Angle Cable Plug to Bare End									
—	.81	2.5	150	J10036-ND	2.50	2.22	1.76	415-0105-150	
			250	J10037-ND	2.80	2.50	1.98	415-0105-250	
	1.13	2.5	150	J10038-ND	2.50	2.22	1.76	415-0106-150	
			250	J10039-ND	2.80	2.50	1.98	415-0106-250	
—	1.32	2.5	150	J10040-ND	2.50	2.22	1.76	415-0107-150	
			250	J10041-ND	2.80	2.50	1.98	415-0107-250	
—	1.37	2.5	150	J10042-ND	2.50	2.22	1.76	415-0108-150	
			250	J10043-ND	2.80	2.50	1.98	415-0108-250	
Connectors and Accessories									
UMC PCB Jack Receptacle - Surface Mount									
3	Straight Jack Receptacle			J983CT-ND	1.03	.64	.47	128-0711-201	
				J983TR-ND	1160.00/2,500			128-0711-201	
SMA Conversion Adapters									
4	SMA Plug to UMC Jack			J985-ND	135.00	120.00	95.00	134-1019-361	
5	SMA Jack to UMC Plug			J986-ND	135.00	120.00	95.00	134-1019-371	
6	SMA Adapter for Surface Mount Jack			J987-ND	141.75	126.00	99.75	134-1019-381	
Tool									
—	UMC Separation Key			J984-ND	3.78	3.36	2.66	128-0000-901	

NEW! Weatherproof F, BNC and RCA Compression Connectors for Audio/Video Installations

BNC, F and RCA connectors are constructed of zinc plated machined brass, and consist of a gold plated center pin allowing the best conductivity while providing picture perfect video and superior sound quality. **Note:** 1pc = pack of 10

Fig.	Description	Digi-Key Part No.	Price Each	1	50	100	Emerson Part No.
F Connectors							
1	RG-59, Blue	J10044-ND	9.76	7.10	6.39	25-2502-10PB	
	RG-6, Black	J10045-ND	9.76	7.10	6.39	25-2601-10PB	
	Gold Series, RG-59, Blue	J10056-ND	11.11	8.08	7.28	25-2502G-10PB	
BNC Connectors							
2	75Ω, RG-59, Blue	J10046-ND	38.01	27.64	24.88	28-2502-10PB	
	75Ω, RG-6, Black	J10047-ND	38.01	27.64	24.88	28-2601-10PB	
RCA Connectors							
3	RG-59, 2 per Color	J10048-ND†	26.92	19.58	17.63	19-2500-10PB	
	RG-59, Red	J10049-ND	26.92	19.58	17.63	19-2504-10PB	

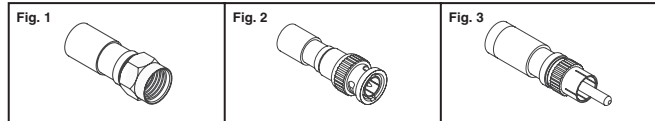


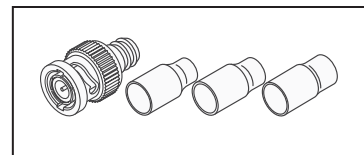
Fig.	Description	Digi-Key Part No.	Price Each	1	50	100	Emerson Part No.
3	RG-59, Yellow	J10050-ND	26.92	19.58	17.63	19-2505-10PB	
	RG-59, White	J10051-ND	26.92	19.58	17.63	19-2506-10PB	
	RG-6, 2 per Color	J10052-ND†	26.92	19.58	17.63	19-2600-10PB	
	RG-6, Red	J10053-ND	26.92	19.58	17.63	19-2604-10PB	
	RG-6, Yellow	J10054-ND	26.92	19.58	17.63	19-2605-10PB	
	RG-6, White	J10055-ND	26.92	19.58	17.63	19-2606-10PB	
Tool							
—	Adjustable 3-Way Ratchet Crimp Tool	J10057-ND	41.96	—	—	—	24-7714P

† Includes 2 each of blue, green, red, yellow and white

NEW! Multi-Ferrule BNC Connector

These commercial grade, 2-piece BNC connectors are designed for use on flexible 500Ω coaxial cable and are ideal for use in test equipment and instrumentation, CCTV, PC/LAN. Process controls applications and more. They have been designed around MIL-STD-202 with up to a 4GHz frequency range. By including multiple ferrules these connectors are designed to eliminate extra inventory on the shelf, while allowing termination of various cable sizes.

Description	Digi-Key Part No.	Price Each	1	50	100	Emerson Part No.
Crimp BNC Plug with 3 Ferrules	J10058-ND	2.64	1.92	1.73	27-9213	



More Product Available Online: www.digkey.com

Toll-Free: 1-800-344-4539 • Phone 218-681-6674 • Fax: 218-681-3380