

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

ratio • All cabled plugs and jack receptacles are supplied with gold plated contacts and bodies **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)

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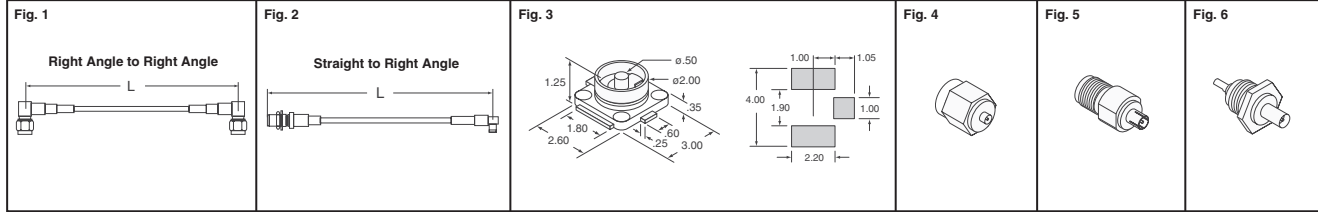


Fig.	Coaxial Cable ø (mm)	Plug Mated Height (mm)	Dimension L (mm)	Digi-Key Part No.	Price Each			Johnson Part No.
					1	10	100	
Right Angle to Right Angle Cables								
Low Profile UMC Right Angle Cable Plug to UMC Right Angle Cable Plug								
1	.081	2.0	50	J918-ND	3.58	3.18	2.52	415-0084-050
			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	25.76	22.90	18.13	415-0101-150
			250	J978-ND	26.27	23.36	18.49	415-0101-250
Medium Profile UMC Right Angle Cable Plug to MMCX Right Angle Crimp Plug								
1	.81	2.5	150	J979-ND	25.76	22.90	18.13	415-0102-150
			250	J980-ND	26.27	23.36	18.49	415-0102-250
	1.37	2.5	150	J981-ND	25.76	22.90	18.13	415-0103-150
			250	J982-ND	26.27	23.36	18.49	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	27.65	24.58	19.46	415-0089-150
			250	J954-ND	28.35	25.20	19.95	415-0089-250

Fig.	Coaxial Cable ø (mm)	Plug Mated Height (mm)	Dimension L (mm)	Digi-Key Part No.	Price Each			Johnson Part No.
					1	10	100	
Medium Profile UMC Right Angle Cable Plug to SMA Straight Crimp Plug								
2	.81	2.5	150	J955-ND	27.65	24.58	19.46	415-0090-150
			250	J956-ND	28.35	25.20	19.95	415-0090-250
	1.37	2.5	150	J957-ND	27.65	24.58	19.46	415-0091-150
			250	J958-ND	22.73	20.21	16.00	415-0091-250
Low Profile UMC Right Angle Cable Plug to RP-SMA Straight Crimp Plug								
2	.81	2.0	150	J959-ND	26.62	23.67	18.74	415-0092-150
			250	J960-ND	27.14	24.12	19.10	415-0092-250
Medium Profile UMC Right Angle Cable Plug to RP-SMA Straight Crimp Plug								
2	.81	2.5	150	J961-ND	26.62	23.67	18.74	415-0093-150
			250	J962-ND	27.14	24.12	19.10	415-0093-250
	1.37	2.5	150	J963-ND	26.62	23.67	18.74	415-0094-150
			250	J964-ND	27.14	24.12	19.10	415-0094-250
Low Profile UMC Right Angle Cable Plug to SMA Straight Crimp Bulkhead Jack								
2	.81	2.0	150	J965-ND	26.95	23.96	18.97	415-0095-150
			250	J966-ND	27.49	24.44	19.35	415-0095-250
Medium Profile UMC Right Angle Cable Plug to SMA Straight Crimp Bulkhead Jack								
2	.81	2.5	150	J967-ND	26.95	23.96	18.97	415-0096-150
			250	J968-ND	27.49	24.44	19.35	415-0096-250
	1.37	2.5	150	J969-ND	26.95	23.96	18.97	415-0097-150
			250	J970-ND	27.49	24.44	19.35	415-0097-250
Low Profile UMC Right Angle Cable Plug to RP-SMA Straight Crimp Bulkhead Jack								
2	.81	2.0	150	J971-ND	30.08	26.74	21.17	415-0098-150
			250	J972-ND	30.40	27.03	21.40	415-0098-250
Medium Profile UMC Right Angle Cable Plug to RP-SMA Straight Crimp Bulkhead Jack								
2	.81	2.5	150	J973-ND	30.08	26.74	21.17	415-0099-150
			250	J974-ND	30.40	27.03	21.40	415-0099-250
	1.37	2.5	150	J975-ND	30.08	26.74	21.17	415-0100-150
			250	J976-ND	30.40	27.03	21.40	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	891.75/2,500			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

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