

Four Position Data Connector for the IEEE 802.5 Local Area Network

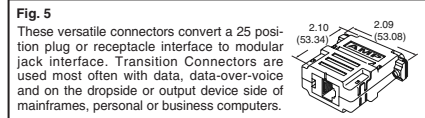
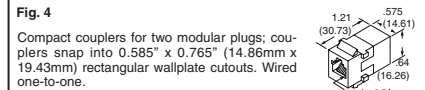
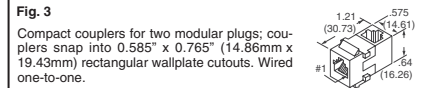
Kit Description: Connector (top and bottom cover assemblies), stuffer box, ferrule, dust cover, latch lock and strain relief bushings for 45, 90 and 180 degree cable exit

Cableless Balun Kit: A four position cableless balun kit is available which allows the customer to assemble his own electronic components which are required to convert the twisted-pair cable to unbalanced coaxial cables. This kit contains a single BNC jack receptacle but will accept a second BNC receptacle which can be ordered separately to provide the dual port version.

Material for A9105 and A9106: • Stuffer Cap: Clear polycarbonate • AMP-BARREL Terminal: Tin plated phosphor bronze • Label: Adhesive backed polyester • Contacts: Nickel plated high strength copper alloy having selective gold plating in contact area and selective tin plating in AMP-BARREL terminal area • Housing: Black thermoplastic, 94V-0 rated • Conductor Type: Solid or stranded having .048 maximum insulation O.D.

Fig.	No. of Pos.	Description	Digi-Key Part No.	1	25	AMP Part No.
Category 3 Modular Telephone Jack						
1	6	IBM	A4004-ND	5.20	4.48	553983-1
2	8	IBM	A4005-ND	5.90	5.08	554546-1
1	6	Commercial	A9105-ND	5.58	4.80	554171-1
2	8	Commercial	A9106-ND	5.80	4.99	554578-1
Category 3 Panel Mount Coupler — RoHS Compliant						
3	6	Right Angle	A9107-ND	4.28	3.42	555049-1
	8	Right Angle	A9108-ND	4.55	3.64	555051-1
4	6	In-Line	A9109-ND	4.23	3.38	555050-1
	8	In-Line	A9110-ND	4.48	3.58	555052-1
RS-232 to Modular Jack — RoHS Compliant						
5	6	DB25P to RJ11 (6-6)	A35055-ND	14.22	12.45	748100-2
	8	DB25P to RJ45 (8-8)	A33704-ND	22.11	18.43	747772-3
	8	DB25S to RJ45 (8-8)	A35053-ND	14.46	12.66	5-747868-1

• RoHS Compliant



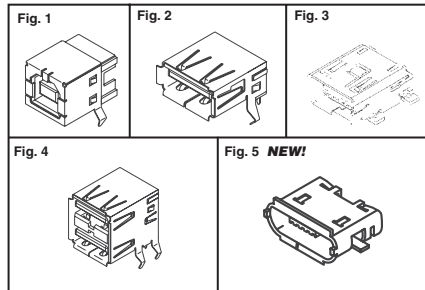
USB Connectors



Figure 1, 2 and 4 Features: • Shell and Contacts: Copper Alloy • Housing: UL 94V-0 rated, thermoplastic • Contacts: 0.076 µm minimum Gold over 0.76 µm minimum Palladium-Nickel on mating area **Figure 3 Features:** • Housing: High temperature thermoplastic UL 94V-0 • Contacts: Phosphor Bronze, 30 µm minimum Gold plated in contact area • Shell: Phosphor Bronze **Figure 5 Features:** • Contact Pin: Copper alloy • Contact Plating: Selectively gold plated over Ni-Pd over nickel • Shell: Stainless steel, tin over nickel plated

Fig.	Description	Color	Digi-Key Part No.	Price Each			Tape and Reel Qty.	AMP Part No.
				1	25	100		
1	USB Receptacle Type B, Right Angle	Black	A31725-ND	1.27	1.16	.82	—	292304-1
			A98573-ND NEW!	1.88	1.71	1.21	—	292304-2
2	USB Receptacle Type A, Right Angle	Black	A31726-ND	1.20	1.09	.77	—	292303-1
3	Mini USB Receptacle Type B, Right Angle SMD	Gold	A31727CT-ND†	1.85	—	1.11	3,500	633.81/M
4	Receptacle, Type A, Right Angle, 4 over 4 Position	Black	A31728-ND	1.77	1.61	1.14	—	5787617-1
5	Micro USB Receptacle Type AB, Right Angle, SMD	Gray	A97799CT-ND† NEW!	1.58	1.33	1.06	1,000	792.26
			A97800CT-ND† NEW!	1.58	1.33	1.06	1,000	792.26

† Cut Tape † For Tape and Reel part number, change CT-ND to TR-ND.



Industrial Ethernet Connectors



Features: • Threaded outer connection • Environmental sealing (IP67 rated) • Vibration resistance • Secure, robust connections • Provides for a reliable performance in electrically noisy conditions found on most factory floors • Compatible with Category 5e cable • Fully intermateable with unshielded product

Dimensions in Inches (mm)

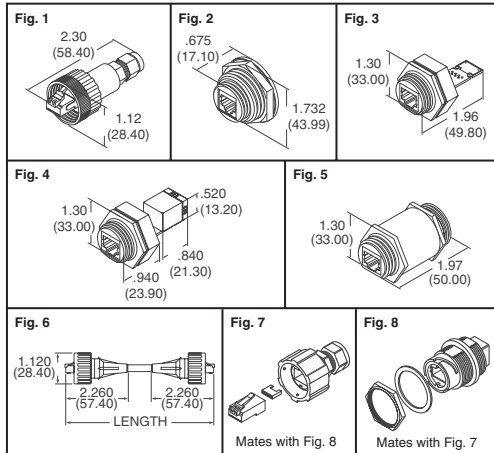
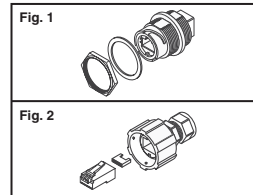


Fig.	Description	Digi-Key Part No.	1	Price Each 25	100	AMP Part No.
Plug						
1	Field-Attachable, 0.1-0.26" (2.5-6.5mm) Acceptable Cable Diameter	A30691-ND	18.66	17.29	13.38	1546440-1
Receptacles						
2	Direct PCB Mount 8 Pin, Front-Coupling Through-Hole Receptacle	A34351-ND	29.01	26.89	20.81	1-1546405-1
	Receptacle with Standard PC Board (10 Base-T) with Standard PC Board and 12" (30cm) of Cable	A34355-ND	32.04	29.70	22.98	1-1546409-1
	(568A) with Standard PC Board with 12" (30cm) of Cable	A34357-ND	36.22	33.58	25.98	1-1546410-1
	(568B) with Standard PC Board with 12" (30cm) of Cable	A34358-ND	48.26	44.73	34.61	1-1546412-1
4	RJ-45 Bulkhead Passthrough with Backside RJ-45 Jack	A33706-ND	32.41	30.04	23.25	1546413-3
	RJ-45 Bulkhead Passthrough with 12" (30cm) of Patch Cord	A33707-ND	36.31	33.65	26.04	1546414-4
	RJ-11 Bulkhead Passthrough with Backside RJ-45 Jack	A34359-ND	34.71	32.17	24.89	1-1546415-1
Female-to-Female Adapters						
5	Female-Female RJ45 Jack-Jack	A30690-ND	66.75	61.87	47.87	1546574-1
Double-Ended Cord Set						
6	1 Meter (3.3') Solid Core Cable, Industrial (both ends)	A34360-ND	74.08	64.82	55.56	1-1546451-1
	5 Meter (16.4') Solid Core Cable, Industrial (both ends)	A34361-ND	100.20	87.68	75.15	1-1546451-2
	10 Meter (32.8') Solid Core Cable, Industrial (both ends)	A34362-ND	145.80	127.58	109.35	1-1546451-3
	2 Meter (6.6') Solid Core Cable, Industrial/Commercial Ends	A34363-ND	95.74	83.78	71.81	1-1546451-4
	2 Meter (6.6') Stranded Cable, Industrial (both ends)	A34366-ND	89.32	78.16	66.99	1-1546453-1
	5 Meter (16.4') Stranded Cable, Industrial (both ends)	A34367-ND	100.20	87.68	75.15	1-1546453-2
Caps						
—	Connector Closure Cap IP67 with Lanyard	A34352-ND	15.23	14.12	10.93	1-1546406-1
	Connector Receptacle Cap IP65	A34353-ND	10.43	9.68	7.49	1-1546407-1
	Connector Plug Cap IP67 with Lanyard	A34354-ND	18.43	17.09	13.22	1-1546408-1
Tool						
—	Punchdown, with 110 Blade	A30681-ND	49.50	—	—	1738607-1
Plug Kit						
7	RJ45 Solid Plug Kit	A31778-ND	10.80	10.02	7.75	1738607-1
	RJ45 Strand Plug Kit	A31779-ND	10.80	10.02	7.75	1738607-2
Receptacle Kit						
8	RJ45 Receptacle Kit	A31781-ND	21.89	20.30	15.70	1738601-1
	RJ45 Receptacle Cover	A31780-ND	8.61	7.98	6.18	1738611-1

IP67 Sealed Industrial Ethernet Circular RJ45 Connector System

Electrical Specifications: • Meets EIA/TIA-568-B.2 Cat. 5e Specification • IR: 500MΩ minimum @ 100 VDC • DWV: 1000 VDC/60s Contact to Contact • DWV: 1500 VDC/60s Contact to Metal Shell • Contact Resistance: 20mΩ maximum • Current Rating: 1.5A maximum • Working Voltage: 100V • Operating Temperature: -40°C - 85°C

Fig.	Description	Digi-Key Part No.	1	10	Price Each 100	500	1,000	Conec Part No.
1	Shielded 8 Position Cat. 5e RJ45 Plug, Load Bar and Plug Housing Assembly	626-1294-ND	6.63	4.91	4.06	3.71	3.58	17-10001
2	Receptacle Assembly, Panel Gasket, Panel Nut and Protective Cover Assembly	626-1293-ND	17.48	14.86	12.46	11.59	11.15	17-10000
—	Tool Termination	626-1295-ND	36.06	29.59	25.89	23.58	23.12	360X30029X



Digi-Reel® Most SMT cutdown parts are available on a Digi-Reel®. For Digi-Reel part number, change 1-ND to 6-ND or CT-ND to DKR-ND. See Digi-Key® Services on page 2 for additional information.

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