

Dimensions in Inches (mm)

<p><b>Fig. 1</b></p> <p>Three Pair Modular Jack (6 Position)</p>	<p><b>Fig. 2</b></p> <p>Four Pair Modular Jack (8 Position)</p>	<p><b>Fig. 3</b></p> <p>Compact couplers for two modular plugs; couplers snap into 0.585" x 0.765" (14.86mm x 19.43mm) rectangular wallplate cutouts. Wired one-to-one.</p>
<p><b>Fig. 4</b></p> <p>Compact couplers for two modular plugs; couplers snap into 0.585" x 0.765" (14.86mm x 19.43mm) rectangular wallplate cutouts. Wired one-to-one.</p>	<p><b>Fig. 5</b></p> <p>These versatile connectors convert a 25 position plug or receptacle interface to modular jack interface. Transition Connectors are used most often with data, data-over-voice and on the dropside or output device side of mainframes, personal or business computers.</p>	

**A**

Fig.	No. of Positions	Description	Digi-Key Part No.	1	Price Each	100	Tyco Electronics Part No.
<b>Category 3 Modular Telephone Jack</b>							
1	6	Commercial	A9105-ND	5.47	4.71	3.72	554171-1
2	8	IBM	A4005-ND	5.65	4.86	3.84	554546-1
<b>Category 3 Panel Mount Coupler</b>							
3	6	Right Angle	A9107-ND	4.40	3.53	2.82	555049-1
	8	Right Angle	A9108-ND	4.59	3.67	2.94	555051-1
4	6	In-Line	A9109-ND	4.60	3.69	2.95	555050-1
	8	In-Line	A9110-ND	5.25	4.20	3.36	555052-1
<b>RS-232 to Modular Jack</b>							
5	8	DB25P to RJ45 (8-8)	A33704-ND	25.18	20.99	16.79	747772-3
	8	DB25S to RJ45 (8-8)	A35053-ND	18.21	15.94	13.66	5-747868-1

**Industrial Ethernet Connectors**

Features: • 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)

<p><b>Fig. 1</b></p>	<p><b>Fig. 2</b></p>	<p><b>Fig. 3</b></p>	<p><b>Fig. 4</b></p>	<p><b>Fig. 5</b></p>
<p><b>Fig. 6</b></p>	<p><b>Fig. 7</b></p>	<p><b>Fig. 8</b></p>	<p><b>Fig. 9</b></p>	<p><b>Fig. 10</b></p>

Fig.	Description	Digi-Key Part No.	1	Price Each	100	Tyco Electronics Part No.
<b>Plug</b>						
1	Field-Attachable, 0.1" - 0.26" (2.5mm-6.5mm) Acceptable Cable Diameter	A30691-ND	13.54	12.56	9.72	1546440-1
2	IP20 RJ-45, 8 Position, 180 Degrees	A98812-ND	15.79	14.30	10.13	1903527-1
<b>Receptacles</b>						
3	Direct PCB Mount 8 Pin, Front-Coupling Through-Hole Receptacle	A34351-ND	17.26	16.00	12.38	1-1546405-1
	Receptacle with Standard PC Board (10 Base-T) with Standard PC Board and 12" (30cm) of Cable	A34355-ND	19.08	17.68	13.68	1-1546409-1
	(568A) with Standard PC Board with 12" (30cm) of Cable	A34356-ND	21.57	20.00	15.47	1-1546410-1
4	(568B) with Standard PC Board with 12" (30cm) of Cable	A34357-ND	21.57	20.00	15.47	1-1546411-1
	(568B) with Standard PC Board with 12" (30cm) of Cable	A34358-ND	26.41	24.49	18.95	1-1546412-1
	RJ-45 Bulkhead Passthrough with Backside RJ-45 Jack	A33706-ND	21.49	19.92	15.41	1546413-3
5	RJ-45 Bulkhead Passthrough with 12" (30cm) of Patch Cord	A33707-ND	24.48	22.69	17.56	1546414-4
	RJ-11 Bulkhead Passthrough with Backside RJ-11 Jack	A34359-ND	20.62	19.12	14.79	1-1546415-1
	<b>Female-to-Female Adapters</b>					
6	Female-Female RJ45 Jack-Jack	A30690-ND	47.54	44.07	34.10	1546574-1
<b>Double-Ended Cord Set</b>						
7	1 Meter (3.3') Solid Core Cable, Industrial (both ends)	A34360-ND	40.36	35.32	30.28	1-1546451-1
	5 Meter (16.4') Solid Core Cable, Industrial (both ends)	A34361-ND	54.82	47.97	41.12	1-1546451-2
	10 Meter (32.8') Solid Core Cable, Industrial (both ends)	A34362-ND	76.62	67.05	57.47	1-1546451-3
	2 Meter (6.6') Solid Core Cable, Industrial/Commercial Ends	A34363-ND	52.39	45.84	39.30	1-1546451-4
<b>Caps</b>						
—	Connector Closure Cap IP67 with Lanyard	A34352-ND	11.07	10.26	7.94	1-1546406-1
—	Connector Receptacle Cap IP65	A34353-ND	6.38	5.92	4.58	1-1546407-1

Fig.	Description	Digi-Key Part No.	1	Price Each	100	Tyco Electronics Part No.
—	Connector Plug Cap IP67 with Lanyard	A34354-ND	11.28	10.46	8.09	1-1546408-1
—	Connector Plug Cap IP67 with Lanyard (Bayonet Lock)	A98866-ND	3.71	3.19	2.52	1828740-1
—	RJ-45 Receptacle Cover (Bayonet Lock)	A31780-ND	8.27	7.67	5.94	1738611-1
—	RJ-45 Receptacle Cover with Ball Chain	A100171-ND	16.54	15.34	11.87	2008618-1
<b>Tool</b>						
—	Punchdown, with 110 Blade	A30681-ND	49.95	—	—	1738607-1
<b>Plug Kit</b>						
8	RJ-45 Solid Plug Kit	A31778-ND†	9.34	8.66	6.70	1738607-1
	RJ-45 Stranded Plug Kit	A31779-ND†	9.34	8.66	6.70	1738607-2
	RJ-45 Shielded, Stranded Plug Kit	A100167-ND	18.34	17.00	13.15	2008614-1
	RJ-45 Shielded, Solid Plug Kit	A100168-ND	18.48	17.14	13.26	2008614-2
	RJ-45 Shielded CPC, Solid Plug Kit	A98813-ND‡	10.46	9.70	7.50	1546907-1
	RJ-45 Shielded CPC, Stranded Plug Kit	A98814-ND‡	10.46	9.70	7.50	1546907-2
	RJ-45 Unshielded, Stranded Plug Kit	A100165-ND	16.53	15.33	11.86	2008611-1
	RJ-45 Unshielded, Solid Plug Kit	A100166-ND	16.66	15.45	11.95	2008611-2
	RJ-45 Unshielded CPC, Solid Plug Kit	A98820-ND‡	7.72	7.16	5.54	1546876-1
	RJ-45 Unshielded CPC, Stranded Plug Kit	A98815-ND‡	7.72	7.16	5.54	1546876-2
—	RJ-45 Common Core 8 Position Plug Kit	A99867-ND	14.28	12.28	9.71	1954656-2
<b>Receptacle Kit</b>						
9	RJ-45 Receptacle Kit	A31781-ND	18.29	16.95	13.12	1738601-1
	RJ-45 Unshielded CPC, Receptacle Kit	A100169-ND	25.79	23.91	18.50	2008615-1
	RJ-45 Shielded CPC, Receptacle Kit	A100170-ND	28.28	26.22	20.29	2008615-2
	RJ-45 Common Core Shielded Recept. Kit	A99868-ND	23.45	20.17	15.95	1811689-1
10	RJ-45 Shielded CPC, Rec. Kit, Passthrough	A98816-ND	22.36	20.73	16.04	1986172-1
	RJ-45 Unshielded CPC, Receptacle Kit	A98817-ND	13.35	12.37	9.58	1546908-1
—	RJ-45 Unshielded CPC, Receptacle Kit, Passthrough	A98818-ND	15.93	14.76	11.42	1776186-1
—	RJ-45 Unshielded CPC, Receptacle Kit	A98819-ND	16.27	15.08	11.67	1546877-1

† Mates with Figure 9 ‡ Mates with Figure 10

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