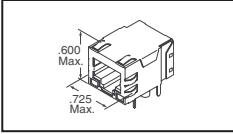


AMP MAG 45™ Modular Jacks with Integrated Magnetics



Features: • Single Port • Through hole
• UL recognized, UL 94V-0 • IEEE 802.3 and ANSI X3.263 compliant
• Supports all appropriate and available PHY Chips and applications

Specifications: • Housing: Thermo plastic polyester • Impedance: 100Ω
• Connector Style: RJ45/8 Position



Tab Direction	LEDs	No. of Ports	Digi-Key Part No.	Price Each			AMP Part No.
				1	25	50	
Side Entry							
10/100 Base T Ethernet							
Down	—	1	A99636-ND	6.23	5.36	4.74	6605424-1
Down	Green/Yellow	1	A99637-ND	6.87	5.91	5.22	5-6605308-1
Up	—	1	A99639-ND	6.03	5.19	4.58	6605759-1
Up	Green/Yellow	1	A99640-ND	7.21	6.20	5.48	5-6605758-1
Up	—	1x2	A99642-ND	10.37	8.92	7.89	5-6610000-1
Up	—	1x6	A99643-ND	22.34	19.22	16.99	5-6610084-1
10/100 Power Over Ethernet (POE)							
Down	Green/Green	1	A99644-ND	8.53	7.34	6.49	1-6605310-1
Up	Green/Green	1	A99645-ND	8.53	7.34	6.49	1-6605834-1
Gigabit Ethernet							
Down	Green/Yellow + Green/Yellow	1	A99638-ND	9.95	8.56	7.57	6605444-6
Up	Green/Yellow + Green/Yellow	1	A99641-ND	9.95	8.56	7.57	6605814-6

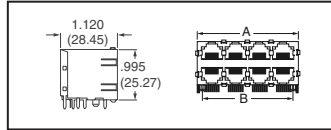
AMP Stacked Modular Jacks



Housing: Black, UL 94V-0 rated

Contact: .013 (0.33) phosphor bronze; plated .000050 (0.00127) gold in localized area and .00150 (0.00381) tin-lead on solder tails, over .000050 (0.00127) nickel underplate

Shield: .010 (0.25) copper alloy tin-lead plated. All jacks are 8 positions / 8 contacts

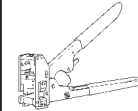


Desc.	Total No. of Ports	Dimensions - Inch (mm)		Digi-Key Part No.	Price Each		AMP Part No.
		A	B		1	25	
Shielded With Panel Ground (plating is tin rather than tin-lead)							
2x1 Ports	2	.68 (17.27)	.45 (11.43)	A31482-ND†	9.13	7.31	5569381-1
2x2 Ports	4	1.23 (31.24)	1.00 (25.40)	A97709-ND‡	11.29	9.72	5569255-1
2x2 Ports	4	1.23 (31.24)	1.00 (25.40)	A99309-ND†	15.62	13.43	5569260-1
2x3 Ports	6	1.78 (45.21)	1.55 (39.37)	A31478-ND†	17.32	13.86	5569261-1
2x4 Ports	8	2.33 (59.18)	2.10 (53.34)	A31479-ND†	13.53	10.83	5569262-1
2x6 Ports	12	3.43 (87.12)	3.20 (81.28)	A31480-ND†	19.06	15.25	5569263-1
2x8 Ports	16	4.53 (115.06)	4.30 (109.22)	A31481-ND†	29.73	23.79	5569264-1

† Panel Ground and PCB Ground ‡ PCB Ground only

AMP Modular Crimp Tools

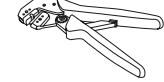
Fig. 1



Cuts, strips, crimps and terminates modular plug connectors.

Features: color-coded dies, a cable jacket stripper, smooth ratcheting action to assure positive connector termination and spring-actuated and cushioned handles for fatigue-free use. Available as entire crimping tool, or dies may be purchased separately. Overall size: 7"

Fig. 2



Ratchet control provides complete termination cycle interchangeable die sets.

Fig.	Description	Digi-Key Part No.	Price Each	AMP Part No.	
1	Modular Plug Crimp Tool without Die Set	A9931-ND	70.92	2-231652-0	
	Modular Plug Crimp Tool with 4-4 Die Set	A9902-ND	104.94	2-231652-3	
	Modular Plug Crimp Tool with 6-6 Die Set	A9901-ND	104.94	2-231652-8	
	Modular Plug Crimp Tool with 6-6 Long Body Die Set	A9029-ND	104.94	2-231652-7	
	Modular Plug Crimp Tool with 6-6 Offset Die Set	A9930-ND	104.94	2-231652-6	
	Modular Plug Crimp Tool with 8-8 Die Set	A9900-ND	104.94	2-231652-1	
	Modular Plug Crimp Tool w/ 8-8 High Performance Die Set	A9929-ND	104.94	3-231652-0	
	4-Position Handset Die Set	A9906-ND	35.77	853400-3	
	4-6 Position Die Set	A9905-ND	35.77	853400-8	
	6-6 Position Long Body Die Set	A9030-ND	35.77	853400-7	
—	6-6 Position Offset Die Set	A9927-ND	35.77	853400-6	
	8-8 Position Die Set	A9904-ND	35.77	853400-1	
	8-8 Position High Performance Die Set	A9926-ND	35.77	1-853400-0	
	Replacement Wire Stripper Blade Set Kit	A9976-ND	35.50	231662-4	
	Wire Stripper Replacement Blades	A9928-ND	3.45	231662-5	
	2	Pro-Crimper II Hand Tool without Dies	A9996-ND	36.32	354940-1
		10-Position, Pro-Crimper II with Die	A9798-ND	321.08	58560-1
	—	10-Position Die Set Only, Pro-Crimper II (Use w/ A9996-ND)	A9799-ND	281.08	58560-2
		Crimp Tool, External Strain Relief, Pro-Crimper III	A9800-ND	207.57	224928-1
	—	Die Set, External Strain Relief (for A9800-ND)	A9801-ND	166.49	224928-2

Hand Tool Kit

Contents: Carrying case with frame; RJ-11 (4 and 6) RJ-45 (8)-Position die sets, blade replacement kit and small screwdriver.

A9040-ND Hand Tool Kit 163.36

Production Tool Kit

Carrying case with frame; 4-Pos. handset, RJ-11 (4 and 6) RJ-45 (8)-Position die sets, blade replacement kit and small screwdriver.

A9967-ND Production Tool Kit 193.18

AMP Stacked LED Modular Jacks



Housing: High temperature nylon, black, UL 94V-0 rated

Contact: .013 (0.33) phosphor bronze; plated .000050 (0.00127) gold in localized area and .00150 (0.00381) tin-lead on solder tails, over .000050 (0.00127) nickel underplate

Shield: .010 (0.25) copper alloy tin-lead plated. All jacks are 8 positions / 8 contacts

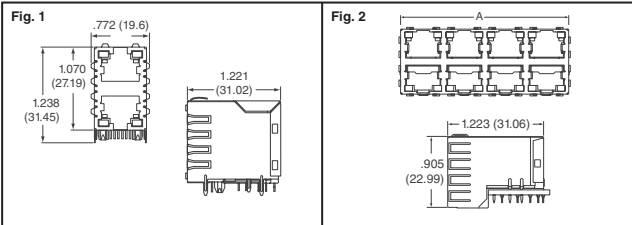


Fig.	Desc.	Total No. of Ports	Dimension A Inch (mm)	LED Color				Digi-Key Part No.	Price Each		AMP Part No.
				Top Left	Top Right	Bottom Left	Bottom Right		1	25	
1	2x1 Ports	2	—	Green	Green	Green	Green	A97713-ND	21.82	18.77	6368011-1
	2x1 Ports	2	—	Green	Yellow	Green	Yellow	A97714-ND	14.24	12.25	6368011-3
2	2x4 Ports	8	2.355 (59.82)	Grn/Yel	Grn/Yel	Grn/Yel	Grn/Yel	A97704-ND	35.42	30.46	6368062-4
	2x8 Ports	16	4.655 (118.24)	Green	Yellow	Green	Yellow	A97710-ND	52.81	45.42	6116317-6

AMP Modular Jack with Shorting Bar



Housing: Polysulfone, black, UL 94V-0 rated

Contact: .013 (0.33) phosphor bronze; plated .000050 (0.00127) gold in localized area and .00150 (0.00381) tin on solder tails, over .000050 (0.00127) nickel underplate

Shield: .010 (0.25) copper alloy plated with bright tin over nickel

Description	Shorting Configurations	Digi-Key Part No.	Price Each		AMP Part No.
			1	25	
Shielded PCB Ground Jack					
8-Position RJ-48-X	1 to 4 and 2 to 5	A31458-ND	9.67	8.32	5557789-1

AMP MRJ21 Receptacle

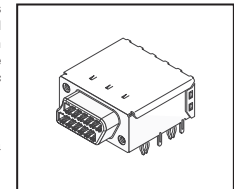


Features: • 1.5 – 3 times the port density of stacked Modular Jacks (RJ45); 3 times the port density of RJ21 • Contact layout and footprint for differential pairs creates reduced cross-talk and built in compensation • Connector is designed to meet or exceed CAT5e cross-talk • Fully shielded system to control EMI (Electro-magnetic Interference)

Housing: Thermoplastic, black, UL 94V-0 rated

Contacts: phosphor bronze; terminal plated with nickel; mating area plated with gold flash over palladium-nickel

Shield: 0.2 (0.008) brass plated with 1.98µm tin over 1.27µm nickel



Description	No. of Pins	Digi-Key Part No.	Price Each			AMP Part No.
			1	25	100	
MRJ21, Shielded, Single, Right Angle, Thru-Hole	48	A99603-ND	19.08	17.28	12.24	1761482-1