

A

Fig.	Description	Circuits	Dimension A Inch (mm)	Digi-Key Part No.	Pricing 1 25	AMP Part No.		
20	Square Post .045" (1.14mm) Square, Standard UL94V-0, 30µ Gold Plated, .125" (3.18mm) Soldertail, White	8	1.248 (31.70)	A26181-ND	5.20 117.01	641208-8		
20	RoHS Compliant Square Post .045" (1.14mm) Square, Standard UL94V-0, 30µ Gold Plated, .125" (3.18mm) Soldertail, White	2	.312 (7.92)	A31676-ND	1.54 34.71	3-641208-2		
		3	.468 (11.89)	A31677-ND	1.65 37.08	3-641208-3		
		4	.624 (15.85)	A31678-ND	2.15 48.32	3-641208-4		
		5	.780 (19.81)	A31679-ND	2.75 61.81	3-641208-5		
		6	.936 (23.77)	A31680-ND	3.35 75.29	3-641208-6		
		7	1.092 (27.74)	A31681-ND	3.80 85.40	3-641208-7		
		8	1.248 (31.70)	A31682-ND	4.40 98.89	3-641208-8		
		9	1.404 (35.66)	A31683-ND	4.94 111.25	3-641208-9		
		10	1.560 (39.62)	A31684-ND	5.44 122.49	4-641208-0		
		11	1.716 (43.59)	A31685-ND	5.99 134.85	4-641208-1		
		12	1.872 (47.55)	A31686-ND	6.54 147.21	4-641208-2		
		17	2.652 (67.36)	A31687-ND	9.44 212.39	4-641208-7		
		20	RoHS Compliant Round Post .045" (1.14mm) Square, Standard UL94V-0, Tin Plated, .125" (3.18mm) Soldertail, White	2	.312 (7.92)	A19900-ND	.32 2.53	640388-2
				3	.468 (11.89)	A19901-ND	.33 3.17	640388-3
				4	.624 (15.85)	A19902-ND	.32 4.53	640388-4
				5	.780 (19.81)	A19903-ND	.33 5.89	640388-5
				6	.936 (23.77)	A19904-ND	.33 6.80	640388-6
7	1.092 (27.74)			A19905-ND	.32 7.25	640388-7		
8	1.248 (31.70)			A19906-ND	.42 9.42	640388-8		
9	1.404 (35.66)			A19907-ND	.69 15.45	640388-9		
10	1.560 (39.62)			A19908-ND	.48 10.71	1-640388-0		
11	1.716 (43.59)			A19909-ND	.67 14.99	1-640388-1		
12	1.872 (47.55)			A19910-ND	.57 12.72	1-640388-2		
20	RoHS Compliant Round Post .045" (1.14mm) Square, Standard UL94V-0, Tin Plated, .175" (4.45mm) Soldertail, White			2	.312 (7.92)	A24176-ND	.32 2.53	644753-2
		3	.468 (11.89)	A24177-ND	.14 3.17	644753-3		
		4	.624 (15.85)	A24178-ND	.20 4.53	644753-4		
		5	.780 (19.81)	A24179-ND	.26 5.89	644753-5		
		6	.936 (23.77)	A24180-ND	.30 6.80	644753-6		
		7	1.092 (27.74)	A24181-ND	.32 7.25	644753-7		
		8	1.248 (31.70)	A24182-ND	.42 9.42	644753-8		
		10	1.560 (39.62)	A24183-ND	.48 10.71	1-644753-0		
		12	1.872 (47.55)	A24184-ND	.57 12.72	1-644753-2		

Fig.	Description	Circuits	Dimension A Inch (mm)	Digi-Key Part No.	Pricing 1 25	AMP Part No.		
Right Angle Post Headers, .156" (3.96mm) Centers, Friction Lock Header — RoHS Compliant								
21	Right Angle Post .045" (1.14mm) Square, Front Bend, Standard UL94V-0 Tin-Plated, .125" (3.18mm) Soldertail, White	2	.312 (7.92)	A1976-ND	.25 5.66	640389-2		
		3	.468 (11.89)	A19920-ND	.38 8.50	640389-3		
		4	.624 (15.85)	A1977-ND	.50 11.33	640389-4		
		5	.780 (19.81)	A19921-ND	.63 14.17	640389-5		
		6	.936 (23.77)	A1978-ND	.69 15.45	640389-6		
		7	1.092 (27.74)	A19922-ND	.80 18.03	640389-7		
		8	1.248 (31.70)	A1979-ND	.92 20.60	640389-8		
		9	1.404 (35.66)	A19923-ND	1.03 23.18	640389-9		
		10	1.560 (39.62)	A1980-ND	1.14 25.75	1-640389-0		
		11	1.716 (43.59)	A19924-ND	1.26 28.33	1-640389-1		
		12	1.872 (47.55)	A19925-ND	1.37 30.90	1-640389-2		
		21	Right Angle Post .045" (1.14mm) Square, Front Bend, Standard UL94V-0, 30µ Gold Plated, .125" (3.18mm) Soldertail, White	2	.312 (7.92)	A31688-ND	1.44 32.33	3-641210-2
3	.468 (11.89)			A31689-ND	1.90 42.70	3-641210-3		
4	.624 (15.85)			A31690-ND	2.45 55.07	3-641210-4		
5	.780 (19.81)			A31691-ND	2.95 66.30	3-641210-5		
6	.936 (23.77)			A31692-ND	3.60 80.91	3-641210-6		
8	1.248 (31.70)			A31693-ND	4.59 103.38	3-641210-8		
9	1.404 (35.66)			A31694-ND	5.09 114.62	3-641210-9		
10	1.560 (39.62)			A31695-ND	3.40 76.41	4-641210-0		
12	1.872 (47.55)			A31696-ND	6.84 153.95	4-641210-2		
22	Right Angle Post .045" (1.14mm) Square, Rear Bend, Standard UL94V-0, Tin-Plated, .125" (3.18mm) Soldertail, White			2	—	A19930-ND	.20 4.61	640387-2
				3	—	A19931-ND	.38 8.50	640387-3
				4	—	A19932-ND	.50 11.33	640387-4
		5	—	A19933-ND	.63 14.17	640387-5		
		6	—	A19934-ND	.69 15.45	640387-6		
		7	—	A19935-ND	.80 18.03	640387-7		
		8	—	A19936-ND	.92 20.60	640387-8		
		9	—	A19937-ND	1.03 23.18	640387-9		
		10	—	A19938-ND	1.14 25.75	1-640387-0		
		11	—	A19939-ND	1.26 28.33	1-640387-1		
		12	—	A19940-ND	1.37 30.90	1-640387-2		

AMP 2-Position, Low Profile Post Shunts

- Material:**
 • **Housing:** Glass-filled thermoplastic, 94V-0 rated
 • **Contact:** Beryllium copper or phosphor bronze
 • **Finish:** (50µ) nickel with gold plate in contact area or tin plate overall

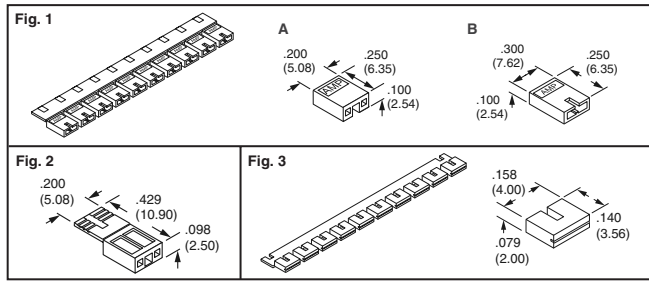


Fig.	Description	Housing Color	Digi-Key Part No.	Pricing 10 50	AMP Part No.
Economy, .100 (2.54mm) Centerline					
1A	Strip of 10, Gold Flash, (5µ) over Nickel	Black	A26228-ND	1.18 4.70	382811-8
	Strip of 10, Gold Plate, (15µ) over Nickel	Blue	A26226-ND	6.98 27.93	382811-2
	Strip of 10, Gold Plate, (15µ) over Nickel	Black	A26227-ND	1.29 5.14	382811-6
	Strip of 10, Gold Plate, (15µ) over Nickel	Red	A26230-ND	1.71 6.82	382811-9
	Loose Piece, Gold Plate, (15µ) over Nickel	Black	A26231-ND	5.20 20.79	1-382811-6
	Strip of 10, Tin Plate, (100µ) over Nickel	Black	A31697-ND	1.25 4.99	2-382811-1
Standard Housing, .200 (5.08mm) Centerline					
1B	Strip of 10, Gold Plate, (15µ) over Nickel	Black	A26232-ND	7.24 28.97	531230-2
	Strip of 10, Gold Plate, (30µ) over Nickel	Black	A26233-ND	8.30 33.19	531230-3
	Strip of 10, Tin Plate, (100µ) over Nickel	Black	A31698-ND	6.06 24.24	531230-4
Handle, .100 (2.54mm) Centerline					
2	Open Top & Gold Plate, (30µ) over Nickel	Black	A26242-ND	1.72 6.87	881545-2
	Open Top & Tin Plate, (100µ) over Nickel	Black	A26853-ND	1.73 6.92	4-881545-2
2mm Mini-Shunt, .079 (2.00mm) Centerline					
3	Strip of 10, Gold Plate, (15µ) over Nickel	Black	A26244-ND	4.84 19.37	382575-2

AMP Economy Power (EP) Wire-to-Board Connector System

- Features:** • .156 (3.96) and .312 (7.92) centerlines • Positive locking • Vertical headers are end-to-end stackable • UL File No. E28476 • CSA File No. LR7189 • Use .156 (3.96) receptacles for .312 (7.92) headers
Specifications: • **Voltage Rating:** 250V VAC • **Current Rating:** 8 amp maximum (1 pos.); 7.5 amp maximum (2 - 11 position) • **22 - 18AWG** • **Contacts:** Phosphor Bronze/Tin • **Durability:** 50 mating and unmating cycles • **Operating Temperature:** -25°C - 105°C

Dimensions in mm

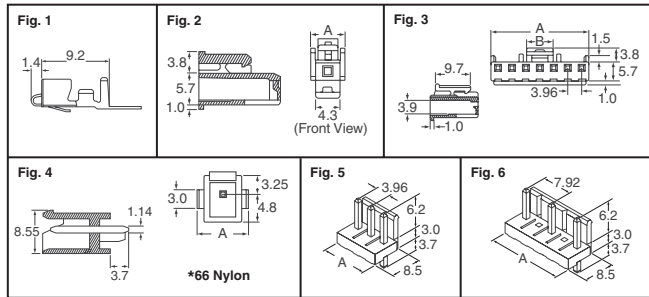


Fig.	Description	Digi-Key Part No.	Loose Pc. Pricing 1 25	AMP Part No.	Digi-Key Part No.	T & R Pricing 4,000	AMP Part No.
1	Contact	A30499-ND	.30 3.40	1318912-1	A30499TR-ND	83.96/M	1123721-1

Fig.	Dimensions A B	No. of Positions	Digi-Key Part No.	Pricing 1 25	AMP Part No.
Plug Housing (66 Nylon, UL94V-0, Natural) — RoHS Compliant					
2	6.2 —	1	A30525-ND	.51 11.58	1-1123823-1
	7.86 3.60	2	A30501-ND	.30 2.75	1-1123722-2
	11.82 7.50	3	A30502-ND	.36 3.96	1-1123722-3
	15.78 7.50	4	A30503-ND	.30 4.55	1-1123722-4
	19.74 7.50	5	A30504-ND	.30 6.02	1-1123722-5
	23.70 7.50	6	A30505-ND	.32 7.19	1-1123722-6
	27.66 7.50	7	A30506-ND	.37 8.35	1-1123722-7
	31.62 7.50	8	A30507-ND	.42 9.52	1-1123722-8
	35.58 7.50	9	A30508-ND	.49 11.07	1-1123722-9
	39.54 7.50	10	A30509-ND	.56 12.66	1-1123722-0
	43.50 7.50	11	A30510-ND	.67 15.11	1-1123722-1
Headers (Glass Reinforced PBT, UL94V-0, Natural)					
4	6.2 —	1	A30708-ND	.60 13.45	1-1123824-1
	7.86 —	2	A30511-ND	.14 3.09	1-1318300-2
	11.82 —	3	A30512-ND	.19 4.38	1-1318300-3
	15.78 —	4	A30513-ND	.26 5.94	1-1318300-4
	19.74 —	5	A30514-ND	.29 6.48	1-1318300-5
	23.70 —	6	A30515-ND	.32 7.30	1-1318300-6
5	27.66 —	7	A30516-ND	.76 17.16	1-1318300-7
	31.62 —	8	A30517-ND	.39 8.79	1-1318300-8
	35.58 —	9	A30518-ND	.47 10.56	1-1318300-9
	39.54 —	10	A30519-ND	.57 12.90	1-1318300-0
	43.50 —	11	A30520-ND	.64 14.34	1-1318300-1
	6	11.82 —	2	A30521-ND	.32 7.24
19.74 —		3	A30522-ND	.27 6.13	1-1318301-3
27.66 —		4	A30523-ND	.33 7.37	1-1318301-4
35.58 —		5	A30524-ND	.33 7.37	1-1318301-5
Tool					
Hand Crimp Tool, EP			A30527-ND	667.50 —	91579-1

• RoHS Compliant

All prices are in U.S. dollars (www.digikey.com). — Toll-Free: 00801-85-4023