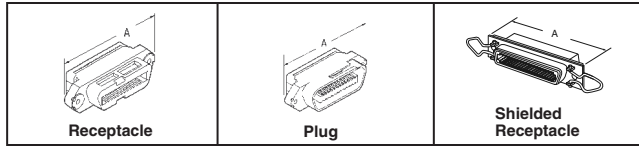


AMP CHAMP® Latch Parallel Interface and Ribbon Cable Connectors

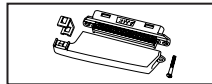
A



No. of Pos.	Dim. A Inch (mm)	Description	Digi-Key Part No.	Price Each 1 25	AMP Part No.
CHAMP® Latch Low Profile Connectors - Plastic					
Screw Lock — RoHS Compliant					
14	1.750 (44.45)	Plug	A24213-ND	15.05 12.04	553596-1
14	1.750 (44.45)	Receptacle	A24214-ND	15.18 12.14	553597-1
24	2.175 (55.25)	Plug	A1559-ND	14.35 11.48	553598-1
24	2.175 (55.25)	Receptacle	A1561-ND	16.35 13.08	553599-1
36	2.685 (68.20)	Plug	A1563-ND	23.35 18.68	553600-1
36	2.685 (68.20)	Receptacle	A1565-ND	16.60 13.28	553601-1
50	3.280 (83.31)	Plug	A1567-ND	9.90 7.92	553602-1
50	3.280 (83.31)	Receptacle	A1569-ND	11.18 8.94	553603-1
64	3.875 (98.43)	Receptacle	A24190-ND	90.50 72.40	552838-1
Bail Lock — RoHS Compliant					
36	2.685 (68.20)	Plug	A1564-ND	14.90 11.92	554084-1
64	3.651 (92.74)	Plug	A24221-ND	89.20 71.36	552933-1
Panel Mount — RoHS Compliant					
24	2.175 (55.25)	Plug	A24215-ND	14.23 11.38	554103-1
24	2.175 (55.25)	Receptacle	A24216-ND	16.35 13.08	554088-1
36	2.685 (68.20)	Receptacle	A1566-ND	18.63 14.90	554089-1
50	3.280 (83.31)	Receptacle	A1570-ND	8.25 6.60	554090-1
64	3.875 (98.43)	Receptacle	A24191-ND	55.23 44.18	552843-1
Shielded CHAMP® Latch Panel Mount Connectors - Plastic					
Screw Lock, Preassembled					
24	2.205 (56.01)	Receptacle, 6-32	A33597-ND	17.10 13.68	5554434-1
50	3.310 (84.07)	Receptacle, 4-40	A1557-ND	21.85 17.48	554436-2
50	3.310 (84.07)	Receptacle, 4-40	A33598-ND	18.78 15.02	5554436-2
Bail Lock, Preassembled — RoHS Compliant					
36	2.715 (68.96)	Receptacle, 4-40	A33599-ND	16.98 13.58	5554346-2
36	2.715 (68.96)	Receptacle, 4-40	A33600-ND	16.98 13.58	5555983-1
50	3.310 (84.07)	Receptacle, 4-40	A24219-ND	9.63 7.70	554902-1
Screw Lock, Loose Pieces					
24	2.380 (60.45)	Receptacle	A1558-ND	19.03 15.22	554349-1
24	2.380 (60.45)	Receptacle	A33601-ND	17.10 13.68	5554349-1
36	2.380 (60.45)	Receptacle	A33602-ND	17.33 13.86	5554348-1
Hardware Kits — RoHS Compliant					
Bail Lock, 4-40 UNC x .500" (12.70)					
Front Panel Mount Metric Screw Lock					
Rear Panel Mount Metric Screw Lock					
Shielded Screw Lock, Rear Mount 4-40					
Shielded Screw Lock, Rear Mount Metric					

◆ RoHS Compliant † Does not have boss feature. Boss is a .040" (1.02) shoulder on front of shield.

AMP CHAMP® Connector Kits



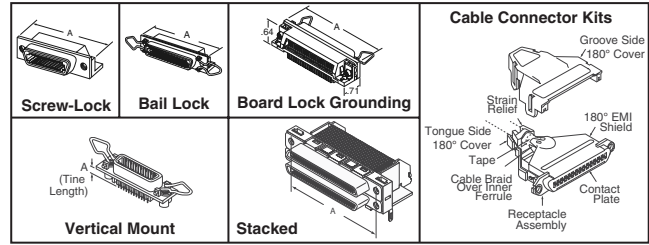
Cable Range Inch (mm)	Description	Digi-Key Part No.	Price Each 1 25	AMP Part No.
50 Position with Tapered Cover Solid and Stranded Kits				
0.550 max. (13.97)	Plug, Black	A33609-ND	4.80 3.84	5552382-1
	Receptacle, Black	A33610-ND	11.70 9.36	5552383-1
.350 - .425 (8.89 - 10.80)	Plug, Black	A33611-ND	3.50 2.81	5229912-1
	Receptacle, Black	A1572-ND	4.12 3.30	229913-1
	Receptacle, Black	A33612-ND	3.54 2.84	5229913-1
	Plug, Gray	A24326-ND	3.85 3.08	229912-4
	Plug, Gray	A33613-ND	3.90 3.12	5229912-4
	Receptacle, Gray	A33614-ND	3.90 3.12	5229913-4
.425 - .500 (10.80 - 12.70)	Plug with Dust Cover, Black	A33615-ND	3.74 3.00	1-5229912-1
	Receptacle with Dust Cover, Black	A24329-ND	4.35 3.49	1-229913-1
	Receptacle with Dust Cover, Black	A33616-ND	3.74 3.00	1-5229913-1
	Plug, Black	A24332-ND	3.85 3.08	2-229912-1
.350 - .425 (8.89 - 10.80)	Plug, Black	A33617-ND	3.98 3.18	2-5229912-1
	Receptacle, Black	A33618-ND	3.90 3.12	2-5229913-1
	Plug with Dust Cover, Black	A24334-ND	4.03 3.22	3-229912-1
	Plug with Dust Cover, Black	A33619-ND	4.10 3.28	3-5229912-1
	Receptacle with Dust Cover, Black	A33620-ND	4.60 3.68	3-5229913-1
	Plug, Black	A24336-ND	5.18 4.14	552402-1
.51 (12.95)	Plug, 24 AWG Solid, Red	A24365-ND	20.73 16.58	1-558693-1
	120° Strain Relief, Light Almond	A24366-ND	5.43 4.34	569336-1
.350 - .680 (8.89 - 17.27)	120° Strain Relief, Black	A24367-ND	2.95 2.36	569336-3
	90° Strain Relief, Lt. Almond Cover	A24368-ND	6.23 4.98	569335-1
50 Position CHAMP Connector With Crimp Cable Clamp — RoHS Compliant				
—	Wear Adapter (Plug to Recept. Assy.)	A24372-ND	31.40 25.12	552705-1

Cable Range Inch (mm)	Description	Digi-Key Part No.	Price Each 1 25	AMP Part No.
CHAMP-LOK Hardware Kits — RoHS Compliant				
—	Locking Latch, 36 or 50 Positions	A24338-ND	.47 .38	552723-1
—	Locking Latch, 14 or 24 Positions	A24339-ND	1.34 1.08	552723-2
Back-to-Back Connector Assembly — RoHS Compliant				
.380 - .400 (9.65 - 10.16)	24 AWG Cable to Cable Kit, 50 Pos.	A33624-ND	33.83 27.06	5553257-1
.300 - .375 (7.62 - 9.53)	Snap-on-Cover, 24 Position	A24375-ND	7.55 6.04	554831-1
50 Position Gender Menders — RoHS Compliant				
—	Receptacle without J-Hook Hardware	A33625-ND	45.03 36.02	5554875-2
—	Plug with J-Hook Hardware	A33626-ND	41.68 33.34	5554876-1
—	Plug with out J-Hook Hardware	A33627-ND	44.45 35.56	5554876-2

◆ RoHS Compliant

AMP CHAMP® Shielded Connectors

Terminals: Selectively plated gold over nickel plated high strength copper alloy, tin plated tails.
Housing & Cover Material: Thermoplastic, black



No. of Pos.	Dim. A Inch (mm)	Description	Digi-Key Part No.	Price Each 1 25	AMP Part No.
Right Angle, Preassembled Screw Lock					
24	2.205 (56.01)	Receptacle, Standard, 6-32	A15016-ND	12.65 10.12	553811-1
24	2.205 (56.01)	Receptacle, Standard, 6-32	A33628-ND	10.88 8.70	553811-1
24	2.205 (56.01)	Receptacle, Reverse, 6-32	A97700-ND	38.18 30.54	553811-2
50	3.305 (83.95)	Receptacle, Reverse, 4-40	A24295-ND	12.93 10.34	553813-4
50	3.305 (83.95)	Receptacle, Standard, 4-40	A15001-ND	10.68 8.54	553813-3
50	3.305 (83.95)	Receptacle, Standard, 4-40	A33631-ND	9.20 7.36	553813-3
Right Angle, Stacked, Preassembled Screw Lock — RoHS Compliant					
68	1.484 (37.70)	Receptacle, M2	A97692-ND	32.58 26.06	5787962-1
Right Angle, Preassembled Bail Lock					
36	2.710 (68.83)	Receptacle, Standard, 4-40	A24298-ND	21.33 17.06	555233-1
36	2.710 (68.83)	Receptacle, Standard, 4-40	A33632-ND	23.28 18.62	555233-1
50	3.305 (83.95)	Receptacle, Standard, 4-40	A33633-ND	11.63 9.30	5554901-1
Right Angle, Board Lock Grounding					
24	2.205 (56.01)	Screw Lock, 6-32, Standard	A24299-ND	12.33 9.86	554923-2
24	2.205 (56.01)	Screw Lock, 6-32, Standard	A33634-ND	10.60 8.48	5554923-2
24	2.205 (56.01)	Screw Lock, 6-32, Reverse	A24300-ND	16.15 12.92	554923-1
24	2.205 (56.01)	Screw Lock, 6-32, Reverse	A33635-ND	13.88 11.10	554923-1
24	2.205 (56.01)	Screw Lock, 6-32, Low Profile, Reverse	A33636-ND	16.90 13.52	5555139-1
24	2.205 (56.01)	Screw Lock, 6-32, Low Profile, Std.	A24302-ND	49.58 39.66	555139-2
24	2.205 (56.01)	Screw Lock, 6-32, Low Profile, Std.	A33637-ND	43.40 34.72	555139-2
36	2.715 (68.96)	Bail Lock, 4-40, Standard	A24303-ND	10.55 8.44	555119-1
36	2.715 (68.96)	Bail Lock, 4-40, Standard	A33638-ND	9.03 7.22	555119-1
36	2.715 (68.96)	Bail Lock, 4-40, Standard	A33639-ND	8.78 7.02	555520-2
50	3.320 (84.33)	Screw Lock, 4-40, Standard	A24304-ND	17.60 14.08	557932-2
50	3.320 (84.33)	Screw Lock, 4-40, Standard	A33641-ND	15.13 12.10	557932-2
50	3.320 (84.33)	Bail Lock, 4-40, Standard, Panel Mnt.	A33640-ND	12.35 9.88	555057-1
50	3.310 (84.07)	Bail Lock, 4-40, Standard	A15005-ND	12.85 10.28	555149-1
50	3.310 (84.07)	Bail Lock, 4-40, Standard	A33642-ND	11.00 8.80	555149-1
50	3.310 (84.07)	Bail Lock, 4-40, Reverse	A97693-ND	12.48 9.98	5555149-3
Vertical Mount					
24	.150 (3.81)	Screw Lock, 6-32	A33643-ND	16.35 13.08	5554501-1
24	.215 (5.46)	Screw Lock, 6-32	A24306-ND	28.63 22.90	554501-2
36	.215 (5.46)	Bail Lock, 4-40	A33645-ND	14.05 11.24	5554145-4
50	.135 (3.43)	Bail Lock, 4-40	A33646-ND	13.65 10.92	5554216-3
50	.200 (5.08)	Screw Lock, 4-40	A24308-ND	16.65 13.32	554217-4
50	.200 (5.08)	Screw Lock, 4-40	A33647-ND	14.33 11.46	5554217-4
Hardware Kits — RoHS Compliant					
—	Vert. Mt., Pan Head Screws (2 req.)	A24309-ND	4.18 3.34	554043-2	
—	Vert. Mt. Metric Standoff Screws (panhead screw and standoff)	A32497-ND	11.83 9.46	5554858-1	

◆ RoHS Compliant † Has drawn metal shield

No. of Pos.	Cable Range Inch (mm)	Description	Digi-Key Part No.	Price Each 1 25	AMP Part No.
Cable Connector Kits					
Plug — Solid or Stranded — RoHS Compliant					
36	.250 - .500 (6.35 - 12.70)	Screw Lock, 24-26 AWG	A24313-ND	29.53 23.62	554951-2
		Bail Lock, 24-26 AWG	A24314-ND	11.50 9.20	554950-2
		Bail Lock, 26-28 AWG	A15010-ND	10.55 8.44	554950-1
50	.350 - .625 (8.89 - 15.88)	Screw Lock, 24-26 AWG	A24315-ND	8.98 7.18	554954-2
		Screw Lock, 26-28 AWG	A15012-ND	8.53 6.82	554954-1
		Bail Lock, 26-28 AWG	A15011-ND	6.45 5.16	554953-1
		Bail Lock, 24-26 AWG	A24316-ND	7.85 6.28	554953-2
		Bail Lock, 26-28 AWG	A29102-ND	12.97 10.38	5-554953-1
		Bail Lock, 90° Exit, Gray	A24319-ND	14.83 11.86	5-555012-2
Receptacle — Solid or Stranded — RoHS Compliant					
50	.350 - .625 (8.89 - 15.88)	Screw or Bail Lock, 26-28 AWG	A24318-ND	9.20 7.36	554955-1
Cover Kits and Accessories — RoHS Compliant					
24	—	180° Cover	A15013-ND	15.08 12.06	554944-1
50	—	180° Cover - Cab. dia. ≤ 500 (12.70)	A15015-ND	3.37 2.70	554946-1
50	—	180° Cover - Cab. dia. ≥ 500 (12.70)	A24320-ND	3.16 2.53	554946-2
—	—	Cap. Pan Head Screw, 4-40 (2 req.)	A33648-ND	.36 1.18	5554726-1
—	—	Inner Ferrule .500 (12.7) Inside Dia.	A24323-ND	.43 35	554725-6

‡ Cover sold separately

More Product Available Online: www.digkey.com

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