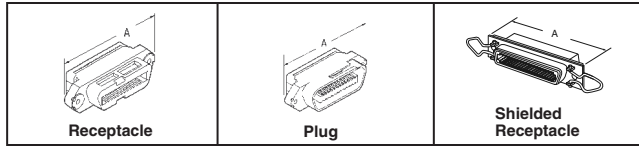


AMP CHAMP® Latch Parallel Interface and Ribbon Cable Connectors

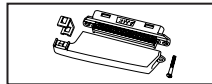
A



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	10.93 8.75	553596-1
14	1.750 (44.45)	Receptacle	A24214-ND	11.02 8.82	553597-1
24	2.175 (55.25)	Plug	A1559-ND	10.42 8.34	553598-1
24	2.175 (55.25)	Receptacle	A1561-ND	11.87 9.50	553599-1
36	2.685 (68.20)	Plug	A1563-ND	16.95 13.57	553600-1
36	2.685 (68.20)	Receptacle	A1565-ND	12.05 9.65	553601-1
50	3.280 (83.31)	Plug	A1567-ND	7.19 5.75	553602-1
50	3.280 (83.31)	Receptacle	A1569-ND	8.12 6.50	553603-1
64	3.875 (98.43)	Receptacle	A24190-ND	65.70 52.57	552838-1
Bail Lock — RoHS Compliant					
36	2.685 (68.20)	Plug	A1564-ND	10.82 8.66	554084-1
64	3.651 (92.74)	Plug	A24221-ND	64.76 51.81	552933-1
Panel Mount — RoHS Compliant					
24	2.175 (55.25)	Plug	A24215-ND	10.33 8.27	554103-1
24	2.175 (55.25)	Receptacle	A24216-ND	11.87 9.50	554088-1
36	2.685 (68.20)	Receptacle	A1566-ND	13.53 10.82	554089-1
50	3.280 (83.31)	Receptacle	A1570-ND	5.99 4.80	554090-1
64	3.875 (98.43)	Receptacle	A24191-ND	40.10 32.08	552843-1
Shielded CHAMP® Latch Panel Mount Connectors - Plastic					
Screw Lock, Preassembled					
24	2.205 (56.01)	Receptacle, 6-32	A33597-ND	12.41 9.94	5554434-1
50	3.310 (84.07)	Receptacle, 4-40	A1557-ND	15.86 12.70	554436-2
50	3.310 (84.07)	Receptacle, 4-40	A33598-ND	13.63 10.91	5554436-2
Bail Lock, Preassembled — RoHS Compliant					
36	2.715 (68.96)	Receptacle, 4-40	A33599-ND	12.33 9.86	5554346-2
36	2.715 (68.96)	Receptacle, 4-40	A33600-ND	12.33 9.86	5554983-1
50	3.310 (84.07)	Receptacle, 4-40	A24219-ND	6.99 5.60	554902-1
Screw Lock, Loose Pieces					
24	2.380 (60.45)	Receptacle	A1558-ND	13.82 11.05	554349-1
24	2.380 (60.45)	Receptacle	A33601-ND	12.41 9.94	5554349-1
36	2.380 (60.45)	Receptacle	A33602-ND	12.58 10.07	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



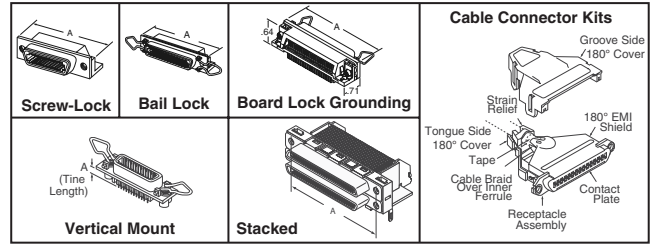
Cable Range Inch (mm)	Description	Digi-Key Part No.	Price Each 1 25	AMP Part No.
50 Position with Tapered Cover Solid and Stranded Kits				
0.550 max. (13.97)	Plug, Black	A33609-ND	3.48 2.79	5552382-1
	Receptacle, Black	A33610-ND	8.49 6.80	5552383-1
.350 - .425 (8.89 - 10.80)	Plug, Black	A33611-ND	2.54 2.04	5229912-1
	Receptacle, Black	A1572-ND	2.99 2.40	5229913-1
	Receptacle, Black	A33612-ND	2.57 2.06	5229913-1
	Plug, Gray	A24326-ND	2.80 2.24	5229912-4
	Plug, Gray	A33613-ND	2.83 2.27	5229912-4
	Receptacle, Gray	A33614-ND	2.83 2.27	5229913-4
	Plug with Dust Cover, Black	A33615-ND	2.72 2.18	1-5229912-1
	Receptacle with Dust Cover, Black	A24329-ND	3.16 2.53	1-229913-1
	Receptacle with Dust Cover, Black	A33616-ND	2.72 2.18	1-5229913-1
	.425 - .500 (10.80 - 12.70)	Plug, Black	A24332-ND	2.80 2.24
Plug, Black		A33617-ND	2.89 2.31	2-5229912-1
Receptacle, Black		A33618-ND	2.83 2.27	2-5229913-1
Plug with Dust Cover, Black		A24334-ND	2.93 2.34	3-229912-1
Plug with Dust Cover, Black		A33619-ND	2.98 2.39	3-5229912-1
Receptacle with Dust Cover, Black		A33620-ND	3.34 2.68	3-5229913-1
.350 - .425 (8.89 - 10.80)	Plug, Black	A24336-ND	3.76 3.01	552402-1
	Plug, Black	A33621-ND	3.83 3.07	5552402-1
	Receptacle, Black	A33622-ND	6.15 4.13	5552403-1
50 Position CHAMP System 5 Connectors — RoHS Compliant				
.51 (12.95)	Plug, 24 AWG Solid, Red	A24365-ND	15.05 12.04	1-558693-1
.350 - .680 (8.89 - 17.27)	120° Strain Relief, Light Almond	A24366-ND	3.94 3.16	569336-1
	120° Strain Relief, Black	A24367-ND	2.14 1.72	569336-3
.650 - .750 (16.51 - 19.05)	90° Strain Relief, Lt. Almond Cover	A24368-ND	4.52 3.62	569335-1
	50 Position CHAMP Connector With Crimp Cable Clamp — RoHS Compliant			
—	Wear Adapter (Plug to Recept. Assy.)	A24372-ND	22.80 18.24	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	.34 .28	552723-1
—	Locking Latch, 14 or 24 Positions	A24339-ND	.97 .78	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	24.56 19.65	5553257-1
.300 - .375 (7.62 - 9.53)	Snap-on-Cover, 24 Position	A24375-ND	5.48 4.39	554831-1
50 Position Gender Menders — RoHS Compliant				
—	Receptacle without J-Hook Hardware	A33625-ND	32.69 26.16	5554875-2
—	Plug with J-Hook Hardware	A33626-ND	30.26 24.21	5554876-1
—	Plug with out J-Hook Hardware	A33627-ND	32.27 25.82	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	9.18 7.35	553811-1
24	2.205 (56.01)	Receptacle, Standard, 6-32	A33628-ND	7.90 6.32	5553811-1
24	2.205 (56.01)	Receptacle, Reverse, 6-32	A97700-ND	27.72 22.18	5553811-2
50	3.305 (83.95)	Receptacle, Reverse, 4-40	A24295-ND	9.39 7.51	553813-4
50	3.305 (83.95)	Receptacle, Standard, 4-40	A15001-ND	7.75 6.20	553813-3
50	3.305 (83.95)	Receptacle, Standard, 4-40	A33631-ND	6.68 5.35	5553813-3
Right Angle, Stacked, Preassembled Screw Lock — RoHS Compliant					
68	1.484 (37.70)	Receptacle, M2	A97692-ND	23.65 18.92	5787962-1
Right Angle, Preassembled Bail Lock					
36	2.710 (68.83)	Receptacle, Standard, 4-40	A24298-ND	15.49 12.39	555233-1
36	2.710 (68.83)	Receptacle, Standard, 4-40	A33632-ND	16.90 13.52	555233-1
50	3.305 (83.95)	Receptacle, Standard, 4-40	A33633-ND	8.44 6.76	5554901-1
Right Angle, Board Lock Grounding					
24	2.205 (56.01)	Screw Lock, 6-32, Standard	A24299-ND	8.95 7.16	554923-2
24	2.205 (56.01)	Screw Lock, 6-32, Standard	A33634-ND	7.70 6.16	5554923-2
24	2.205 (56.01)	Screw Lock, 6-32, Reverse	A24300-ND	11.72 9.38	554923-1
24	2.205 (56.01)	Screw Lock, 6-32, Reverse	A33635-ND	10.08 8.06	5554923-1
24	2.205 (56.01)	Screw Lock, 6-32, Low Profile, Reverse	A33636-ND	12.27 9.82	555139-1
24	2.205 (56.01)	Screw Lock, 6-32, Low Profile, Std.	A24302-ND	36.00 28.80	555139-2
24	2.205 (56.01)	Screw Lock, 6-32, Low Profile, Std.	A33637-ND	31.51 25.21	555139-2
36	2.715 (68.96)	Bail Lock, 4-40, Standard	A24303-ND	7.66 6.13	555119-1
36	2.715 (68.96)	Bail Lock, 4-40, Standard	A33638-ND	6.90 5.52	555119-1
36	2.715 (68.96)	Bail Lock, 4-40, Standard	A33639-ND	6.37 5.10	555520-2
50	3.320 (84.33)	Screw Lock, 4-40, Standard	A24304-ND	12.78 10.23	557932-2
50	3.320 (84.33)	Screw Lock, 4-40, Standard	A33641-ND	10.98 8.79	557932-2
50	3.320 (84.33)	Bail Lock, 4-40, Standard, Panel Mnt.	A33640-ND	8.97 7.18	555057-1
50	3.310 (84.07)	Bail Lock, 4-40, Standard	A15005-ND	9.33 7.47	555149-1
50	3.310 (84.07)	Bail Lock, 4-40, Standard	A33642-ND	7.99 6.39	555149-1
50	3.310 (84.07)	Bail Lock, 4-40, Reverse	A97693-ND	9.06 7.25	555149-3
Vertical Mount					
24	.150 (3.81)	Screw Lock, 6-32	A33643-ND	11.87 9.50	5554501-1
24	.215 (5.46)	Screw Lock, 6-32	A24306-ND	20.79 16.63	554501-2
36	.215 (5.46)	Bail Lock, 4-40	A33645-ND	10.20 8.17	5554145-4
50	.135 (3.43)	Bail Lock, 4-40	A33646-ND	9.91 7.93	5554216-3
50	.200 (5.08)	Screw Lock, 4-40	A24308-ND	12.09 9.68	554217-4
50	.200 (5.08)	Screw Lock, 4-40	A33647-ND	10.40 8.32	5554217-4
Hardware Kits — RoHS Compliant					
—	—	Vert. Mt., Pan Head Screws (2 req.)	A24309-ND	3.03 2.43	554043-2
—	—	Vert. Mt. Metric Standoff Screws (panhead screw and standoff)	A32497-ND	8.59 6.87	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	21.44 17.15	554951-2
		Bail Lock, 24-26 AWG	A24314-ND	8.35 6.68	554950-2
		Bail Lock, 26-28 AWG	A15010-ND	7.66 6.13	554950-1
50	.350 - .625 (8.89 - 15.88)	Screw Lock, 24-26 AWG	A24315-ND	6.52 5.22	554954-2
		Screw Lock, 26-28 AWG	A15012-ND	6.19 4.96	554954-1
		Bail Lock, 26-28 AWG	A15011-ND	4.68 3.75	554953-1
		Bail Lock, 24-26 AWG	A24316-ND	5.70 4.56	554953-2
		Bail Lock, 26-28 AWG	A29102-ND	9.42 7.54	5-554953-1
		Bail Lock, 90° Exit, Gray	A24319-ND	10.77 8.62	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	6.68 5.35	554955-1
Cover Kits and Accessories — RoHS Compliant					
24	—	180° Cover	A15013-ND	10.95 8.76	554944-1
50	—	180° Cover - Cab. dia. ≤ .500 (12.70)	A15015-ND	2.45 1.96	554946-1
50	—	180° Cover - Cab. dia. ≥ .500 (12.70)	A24320-ND	2.29 1.84	554946-2
—	—	Cap. Pan Head Screw, 4-40 (2 req.)	A33648-ND	.26 13	5554726-1
—	—	Inner Ferrule .500 (12.7) Inside Dia.	A24323-ND	.31 25	554725-6

‡ Cover sold separately