

Tyco Electronics ELCON Drawer Series Connectors
Authorized Distributor



ELCON Drawer Series family of mixed power and signal connectors is designed for an unlimited array of applications that use drawer-type, true hot-plug power supply units. Contacts for AC IN and DC OUT power, logic and signal are all housed in robust one-piece insulators that have built-in or optional mating guides for improved gaterability and mating polarization.

Features: • High performance CROWN BAND contacts • Low millivolt drop, minimal temperature rise • True hot-pluggability for current interruption under load

Applications: • Low noise power supplies • Switch-mode power supplies • "Live" hot-plug power supplies

A

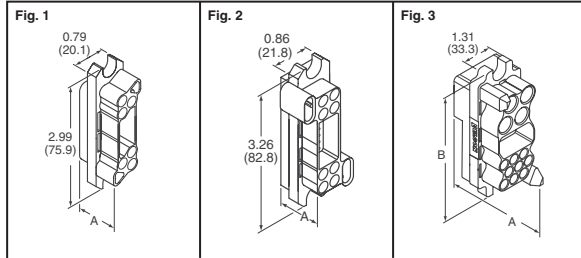


Fig.	Description	Dimensions – Inch (mm)		Digi-Key Part No.	Price Each			ELCON Part No.
		A	B		1	25	100	
Mini Drawer								
1	Pin Connector, 16/20/16	0.97 (24.6)	—	A36276-ND	13.74	12.45	8.82	1648111-1
	Socket Connector, 16/20/16	1.08 (27.4)	—	A36277-ND	9.55	8.65	6.13	1648116-1
Lower Drawer								
2	Pin Connector, 12/20/12	0.87 (22.1)	—	A36262-ND	8.92	8.08	5.73	1648203-1
	Pin Connector, 16/20/12	0.87 (22.1)	—	A36266-ND	10.49	9.51	6.74	1648205-1
	Pin Connector, 16/20/16	0.87 (22.1)	—	A36264-ND	12.43	11.26	7.98	1648204-1
	Socket Connector, 12/20/12	1.09 (27.7)	—	A36263-ND	9.37	8.49	6.01	1648206-1
	Socket Connector, 16/20/12	1.09 (27.7)	—	A36267-ND	12.96	11.75	8.32	1648208-1
	Socket Connector, 16/20/16	1.09 (27.7)	—	A36265-ND	10.80	9.78	6.93	1648207-1
Middle Drawer								
3	Pin Connector, 4/20/12, Float Mount	1.31 (33.3)	3.15 (80.0)	A36272-ND	19.41	17.59	12.46	1648151-1
	Pin Connector, 4/20/12, PCB Mount	0.98 (24.9)	3.15 (80.0)	A36274-ND	19.45	17.62	12.48	1648152-1
	Pin Connector, 8/20/12 Crimp, Float Mount	1.46 (37.1)	3.31 (84.1)	A36268-ND	10.56	9.57	6.78	1648162-1
	Pin Connector, 8/20/12, PCB Mount	1.22 (31.0)	3.31 (84.1)	A36270-ND	12.37	11.21	7.94	1648163-1
	Socket Connector, 4/20/12, Float Mount	1.36 (34.5)	3.15 (80.0)	A36273-ND	16.42	14.87	10.54	1648156-1
	Socket Connector, 4/20/12, PCB Mount	1.23 (31.2)	3.15 (80.0)	A36275-ND	19.45	17.62	12.48	1648157-1
	Socket Connector, 8/20/12 Float Mount	1.12 (28.4)	3.31 (84.1)	A36269-ND	12.76	11.56	8.19	6648167-1
	Socket Connector, 8/20/12, PCB Mount	0.88 (22.4)	3.31 (84.1)	A36271-ND	14.15	12.82	9.09	1648168-1

Contacts and Tools

Description	Digi-Key Part No.	Price Each			ELCON Part No.
		1	25	100	
Contacts					
Crimp Pin, Size #4, Silver	A36278-ND	7.60	6.89	4.88	1766232-1
Crimp Socket, Size #4, Silver	A36296-ND	9.99	9.05	6.41	6648434-1
Crimp Pin, Size #8, Silver	A36279-ND	2.74	2.48	1.76	1766192-1
Crimp Socket, Size #8, Silver	A36294-ND	8.60	7.79	5.52	6648317-1
PCB Pin, Size #8, Silver	A36280-ND	2.88	2.62	1.86	1766262-1
PCB Socket, Size #8, Silver	A36295-ND	8.60	7.79	5.52	6648400-1
Crimp Pin, Size #12, Silver	A36281-ND	1.12	1.02	.73	1766193-1
Crimp Socket, Size #12, Silver	A36292-ND	3.95	3.59	2.54	6648318-1
PCB Pin, Size #12, Silver	A36282-ND	1.23	1.12	.79	1766245-1
PCB Socket, Size #12, Silver	A36293-ND	4.34	3.94	2.79	6648374-1
Crimp Pin, Size #16, Silver	A36283-ND	1.46	1.33	.94	1766194-1
Crimp Socket, Size #16, Silver	A36289-ND	4.13	3.75	2.66	6648319-1
PCB Pin, Size #16, Silver	A36284-ND	.90	.81	.58	1766222-1

Description	Digi-Key Part No.	Price Each			ELCON Part No.
		1	25	100	
Tools					
PCB Socket, Size #16, Silver	A36290-ND	3.75	3.40	2.41	6648383-1
Crimp Socket, Size #12, 5µ" Gold, Hot-Pluggable	A36291-ND	7.88	7.14	5.06	1648384-1
Crimp Pin, Size #20, 10µ" Gold	A36285-ND	.64	.59	.42	1650155-1
Crimp Socket, Size #20, 10µ" Gold	A36287-ND	1.75	1.59	1.13	1648325-1
PCB Pin, Size #20, 30µ" Gold	A36286-ND	.74	.68	.48	1650283-1
PCB Socket, Size #20, 10µ" Gold	A36288-ND	1.75	1.59	1.13	1648382-1
Insertion/Extraction Tool, Size #0, Light Yellow	A36313-ND	5.84	—	—	1643921-1
Insertion/Extraction Tool, Size #4, Blue	A36312-ND	7.55	—	—	1643922-1
Insertion/Extraction Tool, Size #8, Red	A36311-ND	5.03	—	—	1643914-1
Insertion/Extraction Tool, Size #12, Yellow/White	A36310-ND	4.07	—	—	1643915-1
Insertion/Extraction Tool, Size #16, Blue/White	A36309-ND	2.92	—	—	1643916-1
Insertion/Extraction Tool, Size #20, Red/White	A36308-ND	2.46	—	—	1643917-1



Tools

Description	Digi-Key Part No.	Price Each			Astro Tool Corp. Part No.
		1	25	100	
Pneumatic Crimp Tool without Dies	AMT23B-ND	1598.44	—	—	AMT23B
Size 4 Die Set for use with AMT23B	AMT23004DA-ND	308.41	—	—	AMT23004DA
Locator for use with AMT23004DA	AMT23011L-ND	43.74	—	—	AMT23011L
Size 8 Die Set for use with AMT23B	AMT23002DA-ND	308.41	—	—	AMT23002DA
Locator for use with AMT23002DA	AMT23009L-ND	43.74	—	—	AMT23009L

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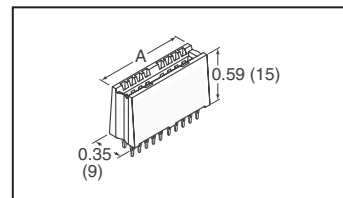
ELCON CROWN EDGE Connectors



CROWN EDGE socket connectors are a board-to-board power interconnect solution that uses ELCON high performance CROWN BAND contact technology configured to mate directly with a printed circuit board edge, or with a solid bus bar for higher currents. Power and signal can be combined and mounted end-to-end to meet the requirements of the applications.

Applications: • Board-to-board power connections • DC-DC converters • Uninterruptible power supply (UPS) • Power supplies

Description	Dimension A Inch (mm)	Digi-Key Part No.	Price Each			ELCON Part No.
			1	25	100	
6 Power Contacts, Press Fit	1.56 (39.7)	A36248-ND	12.31	11.15	7.90	6650384-2
4 Power Contacts, Press Fit, Hot Pluggable	1.06 (26.8)	A36250-ND	9.04	8.19	5.80	6651331-1
16 Signal Contacts, Press Fit	1.06 (26.8)	A36251-ND	11.24	10.19	7.22	6650534-1



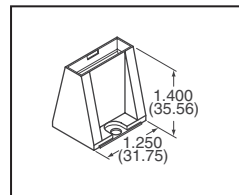
ELCON CROWN CLIP Sockets



CROWN CLIP sockets are compact, high-current socket connectors for high current bus bar power distribution. Using ELCON high performance CROWN BAND technology, CROWN CLIP sockets are available in single pole format to mate with a solid blade, handling up to 350 amps, or in dual pole format to mate with laminated bus bar tabs for feed and return currents.

Applications: • Bus bar based power distribution • Power racks • Rack mounted switching power supplies

Description	Digi-Key Part No.	Price Each			ELCON Part No.
		1	25	100	
Socket Connector, Single Pole Float Mount	A36254-ND	17.46	15.81	11.20	1643906-1
Socket Connector, Dual Pole Float Mount	A36253-ND	6.36	5.77	4.09	1643903-1



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