

Fig.	Description	Dimensions - Inch (mm) L x W x H	Thermal Res. C/Watt	Digi-Key Part No.	Price Each			CTS Part No.
					1	10	100	
18	Various Semiconductor, Adhesive Backed	1.31 x 1.31 x .355 (33.27 x 33.27 x 9.02)	16.10	294-1100-ND	3.30	2.97	2.31	BDN13-3CB/A01
	Various Semiconductor, Adhesive Backed	1.41 x 1.41 x .355 (35.81 x 35.81 x 9.02)	16.20	294-1101-ND	3.48	3.13	2.44	BDN14-3CB/A01
	Various Semiconductor, Adhesive Backed	1.51 x 1.51 x .355 (38.35 x 38.35 x 9.02)	15.10	294-1102-ND	3.98	3.58	2.79	BDN15-3CB/A01
	Various Semiconductor, Adhesive Backed	1.61 x 1.61 x .355 (40.89 x 40.89 x 9.02)	13.50	294-1103-ND	4.08	3.67	2.86	BDN16-3CB/A01
	Various Semiconductor, Adhesive Backed	1.71 x 1.71 x .355 (43.43 x 43.43 x 9.02)	11.50	294-1111-ND	4.18	3.77	2.93	BDN17-3CB/A01
	Various Semiconductor, Adhesive Backed	1.81 x 1.81 x .355 (45.97 x 45.97 x 9.02)	10.80	294-1104-ND	4.43	3.99	3.10	BDN18-3CB/A01
19	Various SMT Semiconductor	1.026 x 1.026 x .457 (26.6 x 26.6 x 11.6)	5.3	294-1125-ND	4.60	4.14	3.22	APR27-27-12CB
	Various SMT Semiconductor, with Thermal Tape	1.026 x 1.026 x .457 (26.6 x 26.6 x 11.6)	5.3	294-1126-ND	6.16	5.55	4.32	APR27-27-12CB/A01
	Various SMT Semiconductor, with Short Clip	1.026 x 1.026 x .457 (26.6 x 26.6 x 11.6)	5.3	294-1127-ND	6.25	5.63	4.38	APR27-27-12CB/S
	Various SMT Semiconductor, with Medium Clip	1.026 x 1.026 x .457 (26.6 x 26.6 x 11.6)	5.3	294-1128-ND	6.25	5.63	4.38	APR27-27-12CB/M
	Various SMT Semiconductor, with Tall Clip	1.026 x 1.026 x .457 (26.6 x 26.6 x 11.6)	5.3	294-1129-ND	6.25	5.63	4.38	APR27-27-12CB/T
	Various SMT Semiconductor	1.284 x 1.284 x .457 (32.6 x 32.6 x 11.6)	3.8	294-1130-ND	5.15	4.64	3.61	APR33-33-12CB
	Various SMT Semiconductor, with Thermal Tape	1.284 x 1.284 x .457 (32.6 x 32.6 x 11.6)	3.8	294-1131-ND	6.20	5.58	4.34	APR33-33-12CB/A01
	Various SMT Semiconductor, with Short Clip	1.284 x 1.284 x .457 (32.6 x 32.6 x 11.6)	3.8	294-1132-ND	6.83	6.15	4.78	APR33-33-12CB/S
	Various SMT Semiconductor, with Medium Clip	1.284 x 1.284 x .457 (32.6 x 32.6 x 11.6)	3.8	294-1133-ND	6.83	6.15	4.78	APR33-33-12CB/M
	Various SMT Semiconductor, with Tall Clip	1.284 x 1.284 x .457 (32.6 x 32.6 x 11.6)	3.8	294-1134-ND	6.83	6.15	4.78	APR33-33-12CB/T
	Various SMT Semiconductor	1.461 x 1.461 x .457 (37.1 x 37.1 x 11.6)	3.3	294-1135-ND	5.30	4.77	3.71	APR38-38-12CB
	Various SMT Semiconductor, with Thermal Tape	1.461 x 1.461 x .457 (37.1 x 37.1 x 11.6)	3.3	294-1136-ND	6.35	5.72	4.45	APR38-38-12CB/A01
	Various SMT Semiconductor, with Short Clip	1.461 x 1.461 x .457 (37.1 x 37.1 x 11.6)	3.3	294-1137-ND	6.95	6.26	4.87	APR38-38-12CB/S
	Various SMT Semiconductor, with Medium Clip	1.461 x 1.461 x .457 (37.1 x 37.1 x 11.6)	3.3	294-1138-ND	6.95	6.26	4.87	APR38-38-12CB/M
Various SMT Semiconductor, with Tall Clip	1.461 x 1.461 x .457 (37.1 x 37.1 x 11.6)	3.3	294-1139-ND	6.95	6.26	4.87	APR38-38-12CB/T	
20	Heatsink Low-Profile Forged	.748 x .748 x .248 (19 x 19 x 6.3)	7.05	294-1145-ND	4.65	4.19	3.26	APF19-19-06CB
	Heatsink Forged with Adhesive Tape	.748 x .748 x .248 (19 x 19 x 6.3)	7.05	294-1146-ND	6.16	5.55	4.32	APF19-19-06CB/A01
	Heatsink Low-Profile Forged	.748 x .748 x .374 (19 x 19 x 9.5)	5.25	294-1147-ND	4.79	4.32	3.36	APF19-19-10CB
	Heatsink Forged with Adhesive Tape	.748 x .748 x .374 (19 x 19 x 9.5)	5.25	294-1148-ND	6.32	5.69	4.43	APF19-19-10CB/A01
	Heatsink Low-Profile Forged	.748 x .748 x .500 (19 x 19 x 12.7)	3.95	294-1149-ND	4.94	4.45	3.46	APF19-19-13CB
	Heatsink Forged with Adhesive Tape	.748 x .748 x .500 (19 x 19 x 12.7)	3.95	294-1150-ND	5.98	5.38	4.19	APF19-19-13CB/A01
	Heatsink Low-Profile Forged	1.181 x 1.181 x .248 (30 x 30 x 6.3)	4.35	294-1151-ND	5.93	5.34	4.15	APF30-30-06CB
	Heatsink Forged with Adhesive Tape	1.181 x 1.181 x .248 (30 x 30 x 6.3)	4.35	294-1152-ND	7.13	6.42	5.00	APF30-30-06CB/A01
	Heatsink Low-Profile Forged	1.181 x 1.181 x .374 (30 x 30 x 9.5)	3.25	294-1153-ND	6.13	5.52	4.30	APF30-30-10CB
	Heatsink Forged with Adhesive Tape	1.181 x 1.181 x .374 (30 x 30 x 9.5)	3.25	294-1154-ND	7.34	6.61	5.14	APF30-30-10CB/A01
	Heatsink Low-Profile Forged	1.181 x 1.181 x .500 (30 x 30 x 12.7)	2.45	294-1155-ND	6.31	5.68	4.42	APF30-30-13CB
	Heatsink Forged with Adhesive Tape	1.181 x 1.181 x .500 (30 x 30 x 12.7)	2.45	294-1156-ND	7.34	6.61	5.14	APF30-30-13CB/A01
	Heatsink Low-Profile Forged	1.575 x 1.575 x .248 (40 x 40 x 6.3)	3.30	294-1157-ND	7.06	6.36	4.95	APF40-40-06CB
	Heatsink Forged with Adhesive Tape	1.575 x 1.575 x .248 (40 x 40 x 6.3)	3.30	294-1158-ND	8.10	7.29	5.67	APF40-40-06CB/A01
	Heatsink Low-Profile Forged	1.575 x 1.575 x .374 (40 x 40 x 9.5)	2.50	294-1159-ND	7.29	6.57	5.11	APF40-40-10CB
	Heatsink Forged with Adhesive Tape	1.575 x 1.575 x .374 (40 x 40 x 9.5)	2.50	294-1160-ND	8.33	7.50	5.84	APF40-40-10CB/A01
	Heatsink Low-Profile Forged	1.575 x 1.575 x .500 (40 x 40 x 12.7)	1.90	294-1161-ND	7.53	6.78	5.27	APF40-40-13CB
	Heatsink Forged with Adhesive Tape	1.575 x 1.575 x .500 (40 x 40 x 12.7)	1.90	294-1162-ND	8.77	7.90	6.14	APF40-40-13CB/A01

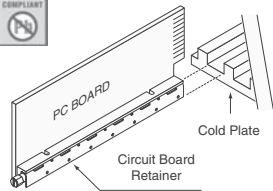
◆ RoHS Compliant

ZIF III Circuit Board Retainers

The ZIF retainer is a self-contained, precision assembly that provides highly effective thermal interface between the circuit board and cold plate. CTS ZIF III features a quick, quarter-turn locking mechanism that provides for a positive and fast assembly. The unique locking design produces a uniform pressure distribution along the PCB edge for optimal heat transfer and resistance to extreme shock and vibration.

Features:

- PCB board mountable (screw mounting)
- Positive 1/4 turn locking
- Field maintainable
- Superior mechanical retention
- Thermally efficient, 1.2°C-inch/Watt



Description	Digi-Key Part No.	Price Each			CTS Part No.
		1	10	100	
PCB Retainer – Hex Head Drive, 4.50" Housing Assembly, Left Hand Part	294-1163-ND	66.24	55.20	48.76	Z3A45SBSBNL
PCB Retainer – Hex Head Drive, 4.50" Housing Assembly, Right Hand Part	294-1164-ND	66.24	55.20	48.76	Z3A45SBSBNR
PCB Retainer – Hex Head Drive, 5.25" Housing Assembly, Left Hand Part	294-1165-ND	69.35	57.80	51.06	Z3A52SBSBNL
PCB Retainer – Hex Head Drive, 5.25" Housing Assembly, Right Hand Part	294-1166-ND	69.35	57.80	51.06	Z3A52SBSBNR

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