

PCSZT Series *Sockets for PLCC Packages*



PCSZT-044A-1

FEATURES:

The Augat PCSZT Series Low Profile Chip Carrier sockets accept plastic leaded chip carriers on .050" (1,27) centers. These dependable sockets combine positive retention of the package with high normal force to insure outstanding electrical and mechanical performance.

Two piece insulator construction leaves terminal circuitry unexposed on the bottom of the socket. The solder tail design allows thru-hole board patterns on .100" (2,54) grid.

- High normal force, 150 grams (5.3 oz.) min.
- Internal standoff insures proper positioning of chip carrier in socket
- Visual aids external to socket assure easy registration to printed wiring board
- Easy access for probing installed chip carrier
- Standoffs and four drain holes aid in cleaning
- PLCC Extraction Tool TX8136-20/84 PCS, see page J3

MATERIAL SPECIFICATIONS:

Insulator PPS, UL rated 94V-0
Contact Phosphor bronze
Plating Tin/lead

PERFORMANCE SPECIFICATIONS:

MECHANICAL

Vibration Passed MIL-STD-1344, Method 2005.1, Condition III, 15 G's
Shock Passed MIL-STD-1344, Method 2004.1, Condition C, 100 G's
Durability 25 Cycles minimum
Normal Force 150 Grams (5.3 oz.) minimum when mated to a nominal size PLCC device
Mating Force 310 Grams (11.0 oz.) per line maximum when mated to maximum size PLCC device
Unmating Force 31 Grams (1.1 oz) per line minimum when mated to minimum size PLCC device
Solderability Passed MIL-STD-202, Method 208
Contact Retention
in Plastic 2.0 Lbs. per line minimum

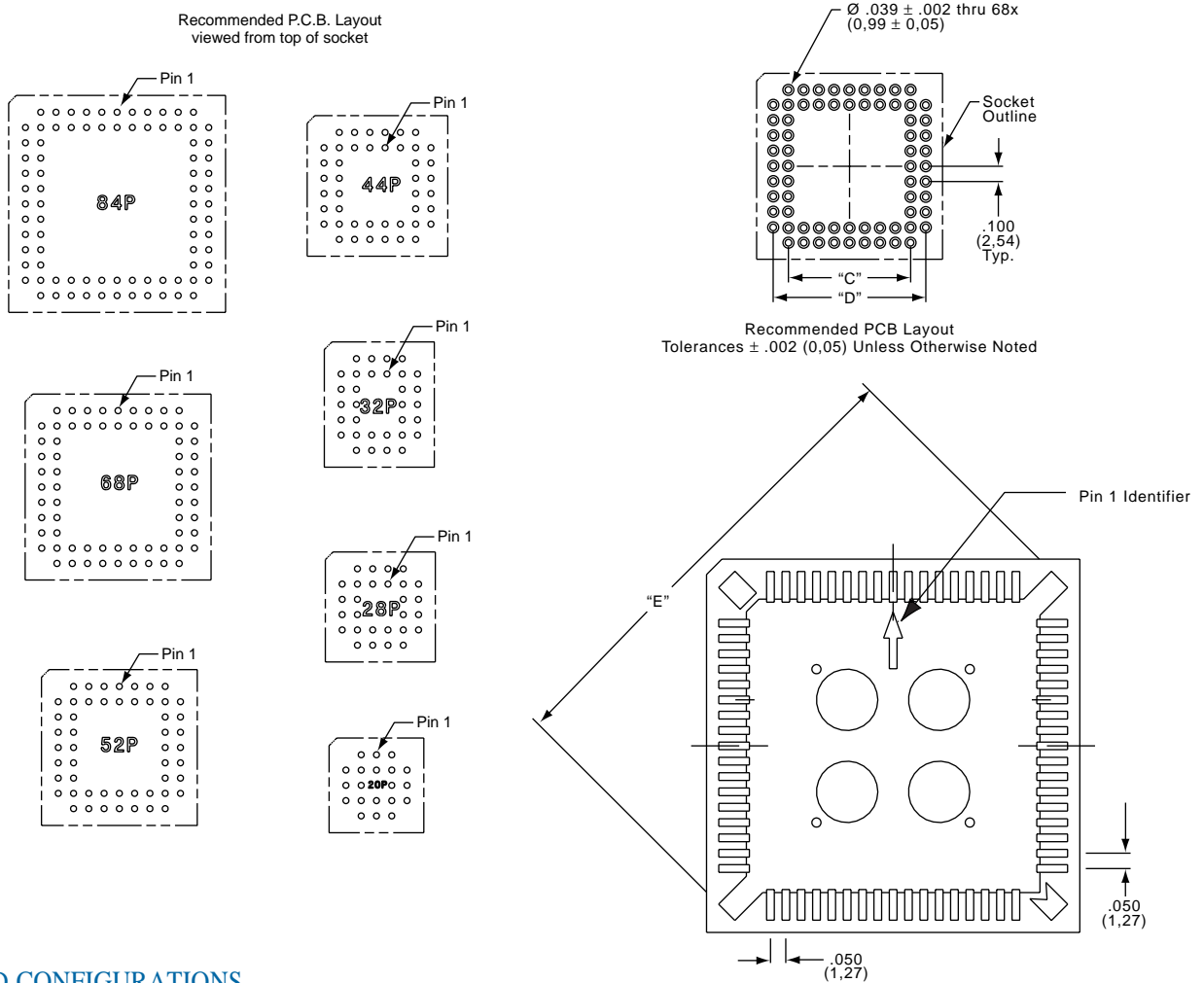
ELECTRICAL

Contact Resistance 30 Milliohms max.
Contact Rating 1 Amp
Capacitance 1 pF max. @ 1 kHz, MIL-STD-202, Method 305 (contact to contact)
Insulation Resistance 1 x 10⁴ Megohms per MIL-STD-1344, Method 3003.1
Dielectric Withstanding
Voltage 600 VAC Per MIL-STD-1344, Method 3001.1

ENVIRONMENTAL

Humidity Passed MIL-STD-1344, Method 1002.2, Type II
Operation Temperature .. -55°C to +105°C

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STANDARD CONFIGURATIONS

Part Number	Number of Contacts	A	B*	C	D	E
PCSZT-020A-1	20	.625 (15,87)	.350 (8,89)	.200 (5,08)	.400 (10,16)	.705 (17,90)
PCSZT-028A-1	28	.725 (18,41)	.456 (11,58)	.300 (7,62)	.500 (12,70)	.855 (21,72)
PCSZT-044A-1	44	.920 (23,37)	.668 (16,97)	.500 (12,70)	.700 (17,77)	1.150 (29,21)
PCSZT-052A-1	52	1.025 (26,03)	.755 (19,17)	.600 (15,24)	.800 (20,32)	1.255 (31,87)
PCSZT-068A-1	68	1.230 (31,24)	.951 (24,15)	.800 (20,32)	1.000 (25,40)	1.575 (40,00)
PCSZT-084A-1	84	1.425 (36,19)	1.168 (29,66)	1.000 (25,40)	1.200 (30,48)	1.860 (47,24)

* Dimension B $\pm .010$ (0,25)

32 POSITION RECTANGULAR

Part Number	Number of Contacts	A		B*		C		D		E
		Long Side	Short Side	Long Side	Short Side	Long Side	Short Side	Long Side	Short Side	
PCSZT-032A-1	32	.825 (20,95)	.725 (18,41)	.556 (14,12)	.456 (11,58)	.400 (10,16)	.300 (7,62)	.600 (15,24)	.500 (12,70)	.950 (24,13)

* Dimension B $\pm .010$ (0,25)

Need more technical information?

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