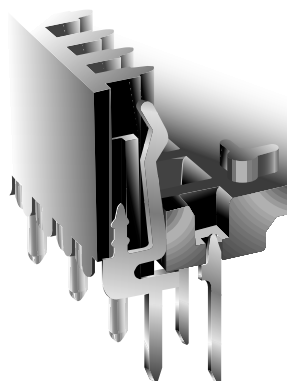


PCS Series *Sockets for PLCC Packages*



PCS-068A-1



FEATURES:

The Augat PCS Series Chip Carrier sockets accepts Jedec Type "A" 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. The solder tail design allows through-hole board patterns on .100" (2.54) grid.

- High Normal force, 200 grams (7.1 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
- Accepts JEDEC PLCC's MO-047 AA-AH (20-84), MO-052 AE (32 RECT)
-  Recognized under the Component Program of Underwriters Laboratories, Inc. file no. E111362

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 II, 10 G's
 Shock Passed MIL-STD-1344, Method 2004.1, Condition A, 50 G's
 Durability 50 Cycles minimum
 Normal Force 200 Grams (7.1 oz.) minimum when mated to 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

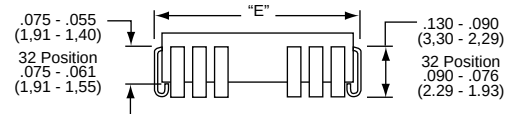
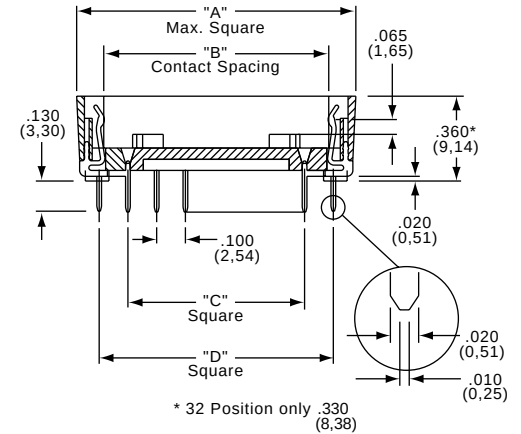
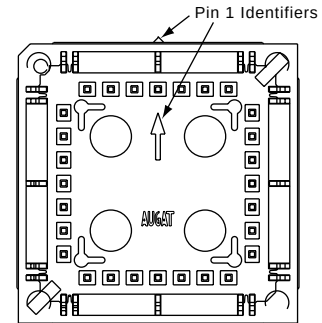
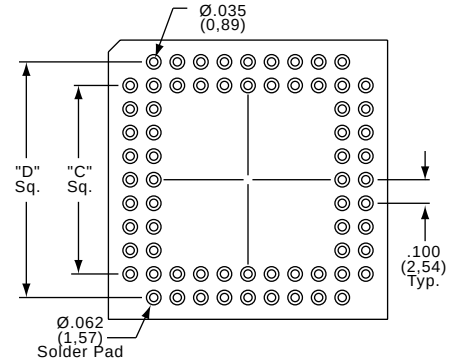
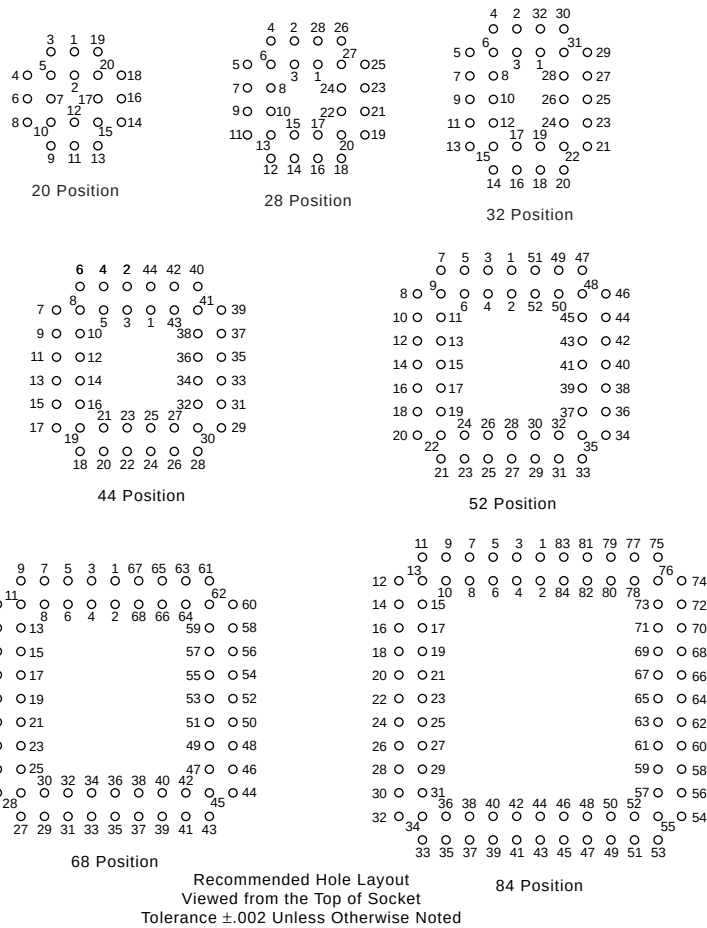
Contact Resistance 30 Milliohms max.
 Contact Rating 1 Amp
 Capacitance 1 pF max. @ 1 kHz, MIL-STD-202, Method 305 (contact to contact)
 Insulation Resistance 1 x 10⁴ Megohms per MIL-STD-1344, Method 3003.1
 Dielectric Withstanding Voltage 600 VAC per MIL-STD-1344, Method 3001.1

ENVIRONMENTAL

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

Sockets for PLCC Packages PCS Series

C



STANDARD CONFIGURATIONS

Part Number	Number of Contacts	A	B*	C	D	E
PCS-020A-1	20	.590 (14,98)	.360 (9,14)	.200 (5,08)	.400 (10,16)	.395/.385 (10,03/9,78)
PCS-028A-1	28	.690 (17,52)	.460 (11,68)	.300 (7,62)	.500 (12,70)	.495/.485 (12,57/12,32)
PCS-044A-1	44	.890 (22,60)	.660 (16,76)	.500 (12,70)	.700 (17,78)	.695/.685 (17,65/17,40)
PCS-052A-1	52	.990 (25,15)	.760 (19,30)	.600 (15,24)	.800 (20,32)	.795/.785 (20,19/19,94)
PCS-068A-1	68	1.190 (30,22)	.960 (24,46)	.800 (20,32)	1.000 (25,40)	.995/.985 (25,27/25,02)
PCS-084A-1	84	1.390 (35,31)	1.160 (29,54)	1.000 (25,40)	1.200 (30,48)	1.195/1.185 (30,35/30,10)

* 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	Long Side	Short Side
PCS-032A-1	32	.790 (20,07)	.690 (17,53)	.564 (14,33)	.464 (11,79)	.400 (10,16)	.300 (7,62)	.600 (15,24)	.500 (12,70)	.595/.585 (15,11/14,86)	.495/.485 (12,57/12,32)

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

Need more technical information?

Consult your Thomas & Betts
sales office listed on the back cover

C3

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