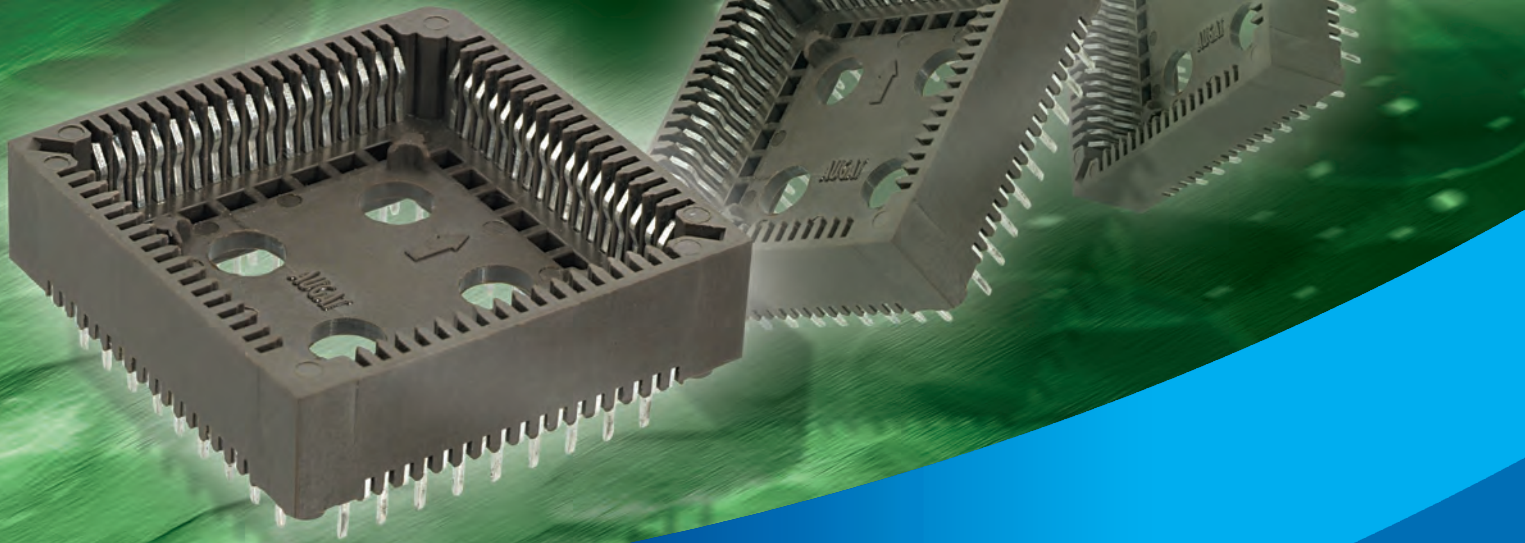


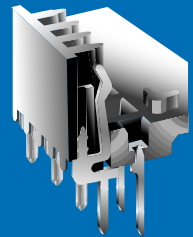
tyco

Electronics

Introducing...



AUGAT PLCC Sockets Thru-Hole PCS Series



PRODUCT FACTS

- The RoHS Compliant PCS Series Chip Carrier socket accepts Jeduc Type "A" plastic leaded chip carriers on 1.27 centres. 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 2.54 grid.
- High Normal force, 200 grams min.
- Internal standoff ensures 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 TX8 136-20/84 PCS (Tyco PN-822154-1)
- Accepts JEDEC PLCC's MO-047 AA-AH (20-84), MO-052 AE (32 RECT)
-  Recognised under the Component Program of Underwriters Laboratories, Inc. file no. E111362

PERFORMANCE CHARACTERISTICS

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 minimum when mated to nominal size PLCC device
- Mating Force — 310 Grams per line maximum when mated to maximum size PLCC device
- Unmating Force — 31 Grams per line minimum when mated to minimum size PLCC device
- Solderability — Passed MIL-STD-202F, Method 208
- Contact Retention in Plastic — 900 grams 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 — 1×10^4 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, Cond. II
- Thermal Shock — Passed MIL-STD-1344, Method 1003.1, Cond. A
- Operation Temperature — -55°C to +105°C

MATERIAL SPECIFICATIONS

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

AUGAT PLCC Sockets

Thru-Hole PCS Series

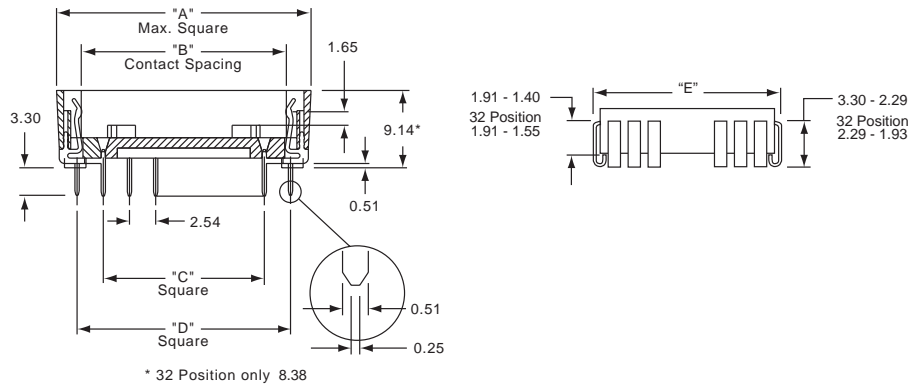
- Accepts Jedec Type A PLCC
- Easy access for chip probing
- Stand-offs & drain holes aid PCB cleaning
- Visual to ensure correct PCB registration

Specification:

- Housing** - Glass filled thermoplastic
UL94V-0
- Contacts** - Phosphor bronze tin plate RoHS
- Current Rating** - 1A



PCS Series High Normal Force 200gm min.



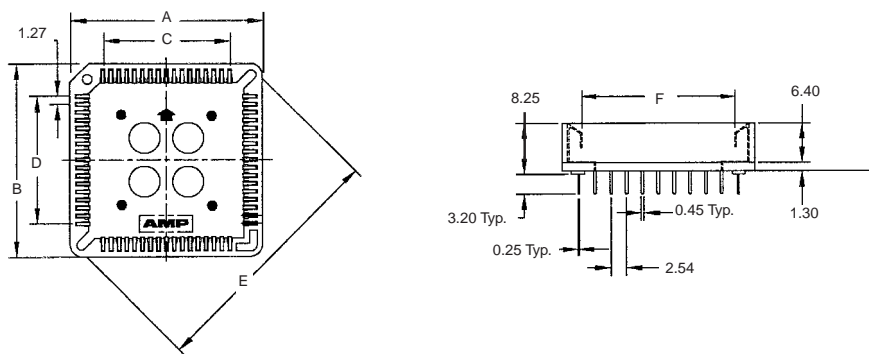
Standard Configuration

No. of Positions	A	B	Dimension C	D	E	Augat Number	Tyco Part Number
20	14.98	9.14	5.08	10.16	10.03/9.78	PCS-020A-1	1571539-1
28	17.52	11.68	7.62	12.70	12.57/12.32	PCS-028A-1	1571539-2
44	22.60	16.76	12.70	17.78	17.65/17.40	PCS-044A-1	1571541-1
52	25.15	19.30	15.24	20.32	20.19/19.94	PCS-052A-1	1571541-2
68	30.22	24.46	20.32	25.40	25.27/25.02	PCS-068A-1	1571541-3
84	35.31	29.54	25.40	30.48	30.35/30.10	PCS-084A-1	1571541-4

32 Position Rectangular

No. of Positions	A	Dimensions - Long Side (Short Side in brackets) B	C	D	E	Augat Number	Tyco Part Number
32	20.07 (17.53)	14.33 (11.79)	10.16 (11.79)	15.24 (12.70)	15.11/14.86 (12.57/12.32)	PCS-032A-1	1571540-1

Economy Low Profile



No. of Positions	A	B	Dimension C	D	E	F	Tyco Part Number
20	15.56	15.56	5.08	5.08	17.20	8.90	1-822473-1
28	18.10	18.10	7.62	7.62	20.70	11.46	1-822473-2
32	18.10	20.54	7.62	10.16	22.65	11.36	1-822473-3
44	23.18	23.18	12.70	12.70	27.50	16.74	1-822473-4
52	25.72	27.72	15.24	15.24	31.50	19.30	1-822473-5
68	30.80	30.80	20.32	20.32	39.00	24.38	1-822473-6
84	35.88	35.88	25.40	25.40	46.15	29.42	1-822473-7

FOR MORE INFORMATION

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