



# PLCC ADAPTORS PLCA SERIES

## Adaptors Mate with Plastic Leaded Chip Carrier Sockets

Samtec PLCA Series adaptors use precision drawn, spring temper Phosphor Bronze wire for high reliability mating with most common PLCC sockets. These adaptors are available with a choice of surface mount or through hole tails and either full tin plating or selective plating with gold on the contact area of the terminal.

The insulator is FR-4 epoxy board, suitable for most infrared and vapor phase reflow soldering processes. It is available with or without alignment pins.

See our Full Line Catalog for a complete selection of Surface Mount PLCC sockets, and adaptors for Pin Grid Array and Dual In-Line Package sockets.

## Specifications PLCA

**Insulator Material:** Natural FR-4 Epoxy Board  
**Flammability Rating:** UL94-VO  
**Insulation Resistance:** 5000MΩ min  
**Dielectric Withstanding Voltage:** 600 VAC  
**Max Processing Temp:** 230°C for 30 to 60 seconds  
**Operating Temp Range:** -55°C to +105°C with Tin; -55°C to +125°C with Gold  
**Contact Material:** Phosphor Bronze  
**Plating:** Sn (200µ" (5,08µm) nom, 150µ" (3,81µm) min) or Au over 50µ" (1,27µm) Ni  
**Current Rating:** 1A  
**SMT Lead Coplanarity:** .006" (0,15mm) max  
**Lead-Free Solderable:** Contact Samtec  
**RoHS Compliant:** Yes

PLCA	NUMBER OF TERMINALS	PLATING OPTION	TAIL OPTION	ALIGNMENT PIN OPTION
<p>Multi Chip Module (MCM) or Quad Flat Pack (QFP)</p> <p>PLCA</p> <p>PLCC Socket</p> <p>Typical Application</p>	<p><b>Note:</b> Some sizes, styles and options are non-standard, non-returnable.</p>	<p><b>-T</b> = Tin</p>	<p><b>-T</b> =Through Hole</p>	<p><b>-N</b> = No Alignment Pins</p>
		<p><b>-S</b> = 30µ" (0,76µm) Au on terminal, Tin on tail</p>	<p><b>-S</b> =Surface Mount</p>	<p><b>-A</b> = Alignment Pins</p> <p>(-S tails only)</p>

NUMBER OF PINS	A	B	C	D
<b>-044</b>	.850 (21,59)	.850 (21,59)	.500 (12,70)	.500 (12,70)
<b>-068</b>	1.150 (29,21)	1.150 (29,21)	.800 (20,32)	.800 (20,32)

**-044**  
= 44 Pins

**-068**  
= 68 Pins

## APPLICATIONS

### TYPICAL BOARD LAYOUT

NUMBER OF PINS	E	F
<b>-020</b>	(12,07) .475	(12,07) .475
<b>-028</b>	(14,61) .575	(14,61) .575
<b>-032</b>	(17,15) .675	(14,61) .575
<b>-044</b>	(19,69) .775	(19,69) .775
<b>-052</b>	(22,23) .875	(22,23) .875
<b>-068</b>	(27,31) 1.075	(27,31) 1.075
<b>-084</b>	(32,39) 1.275	(32,39) 1.275

Due to technical progress, all designs, specifications and components are subject to change without notice.

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