

Selection Guide to PLCC Programming Adapters with Yamaichi Autoject Sockets

Note 1: Yamaichi Autoject sockets are for plastic PLCC packages only. For ceramic packages use adapters with Yamaichi hinge-lid or Wells-CTI open top sockets.

Note 2: Adapters with "DU" DIP plugs can be used only on programmers with Aries Universal ZIF DIP socket. These adapters have four rows of DIP pins. This arrangement simplifies construction and reduces parasitic parameters, as well as the price.

Note 3: **20-pin** Autoject socket is available only in "**dead-bug**" version. The **package is inserted up-side down**, cut corner to the upper right side.

Note 4: Although Yamaichi offers dead-bug Autoject PLCC sockets in all pin counts, the only Aprillog.com adapters with dead bug sockets are 20-PLCC adapters.

Note 5: Adapters for 28, 32, 44, 52, 68 and 84-PLCC with dead-bug sockets can be ordered as specials. Minimum order value of \$1000.00 will apply, no NRE.

Package	Package Plug	DIP Pins	Adapter	Price	Suitable for
20-PLCC	600-mils	8-pins	20PL-8D6-ZAD-17C	\$65.00	Serial EEPROMs from 1736 to 17C010 and 17C010A. Dead-bug.
20-PLCC	600-mils	20-pins	20PL-D6-ZAD	\$60.00	PALs, such as 16V8. Dead-bug loading socket.
28-PLCC	600-mils	24-pins	28PL-24D6-1-ZAL	\$75.00	PALs with PLCC no-connects: 5-8-11-19.
28-PLCC	600-mils	24-pins	28PL-24D6-2-ZAL	\$75.00	PALs with PLCC no-connects: 4-11-18-25.
28-PLCC	600-mils	24-pins	28PL-24D6-3-ZAL	\$75.00	22V10 and other PALs with PLCC no-connects: 1-8-15-22.
28-PLCC	600-mils	24-pins	28PL-24D6-4-ZAL	\$75.00	PALs with PLCC no-connects: 5-11-19-25.
28-PLCC	600-mils	24-pins	28PL-24D6-5-ZAL	\$75.00	PALs with PLCC no-connects: 1-10-15-21.
28-PLCC	600-mils	24-pins	28PL-24D6-ZAL-751	\$75.00	Philips 87C750 and 87C751
28-PLCC	600-mils	28-pins	28PL-D6-ZAL-752	\$75.00	Philips 87C752, the same adapter as 28PL-PL-ZAL.
28-PLCC	600-mils	28-pins	28PL-D6-ZAL	\$75.00	PALs, Philips 87C752, generic, wired one-to-one.
32-PLCC	300-mils	8-pins	32PL-8D3-ZAL-45DB011	\$85.00	Atmel serial DataFlash EEPROMs 45D and 45DB.
32-PLCC	600-mils	28-pins	32PL-28D6-ZAL	\$85.00	The adapter is wired for 27C256 and 27C512 memories.
32-PLCC	300-and-600 mils	28-pins	32PL-28DU-ZAL	\$80.00	For 27C256 and 27C512 memories, lower parasitics.
32-PLCC	600-mils	32-pins	32PL-D6-ZAL	\$85.00	Mainly for 1 to 4Mb EPROM and flash memories, etc.
32-PLCC	300-and-600 mils	32-pins	32PL-DU-ZAL	\$80.00	Mainly for 1 to 4Mb EPROM and flash memories, etc.
44-PLCC	600-mils	40-pins	44+66PL-40D-ZAL-COP888EB	\$115.00	National's COP888EB microcontroller in 44 and 68-lead PLCC
44-PLCC	600-mils	40-pins	44PL-40D-2-ZAL	\$95.00	16-bit memories, such as, 27C1024, 2048, 4096, NC: 1-13-23-33
44-PLCC	600-mils	40-pins	44PL-40D-2-ZAL-DG	\$140.00	Dual 44-PLCC programming adapter for 16-bit wide memories. Provides 100% socket utilization on gang programmers.
44-PLCC	600-mils	40-pins	44PL-40D-ZAL-550	\$95.00	Philips 87C550
44-PLCC	600-mils	40-pins	44PL-40D-ZAL-68HC05C8-9	\$95.00	Motorola, Freescale, 68HC705, 68HC705C8, 68HC705C9
44-PLCC	600-mils	40-pins	44PL-40D-ZAL-68HC11	\$95.00	Motorola, Freescale, 68HC711D4
44-PLCC	600-mils	40-pins	44PL-40D-ZAL-7032	\$95.00	Altera EPM7032
44-PLCC	600-mils	40-pins	44PL-40D-ZAL-80C51	\$95.00	87C51, 87C52, 89F51, Atmel ATmega
44-PLCC	600-mils	40-pins	44PL-40D-ZAL-80C51-DG	\$140.00	Dual 44-PLCC programming adapter for 87C51, 87C52, Atmel AVR's. Provides 100% socket utilization on gang programmers.
44-PLCC	600-mils	40-pins	44PL-40D-ZAL-8535	\$95.00	Atmel AT90S8535 and AT90S4434 – not for ATmega8535
44-PLCC	600-mils	40-pins	44PL-40D-ZAL-910	\$95.00	Altera EP910
44-PLCC	600-mils	40-pins	44PL-40D-ZAL-PA7140	\$95.00	ICT PA7140
44-PLCC	600-mils	40-pins	44PL-40D-ZAL-PIC16C	\$95.00	Microchip PIC16C64, all PIC16Cxxx, PIC16Fxxx, PIC18Cxxx, PIC18Fxxx.
44-PLCC	600-mils	40-pins	44PL-40D-ZAL-PIC17C	\$95.00	Microchip PIC17C42

44-PLCC	600-mils	40-pins	44PL-40D-ZAL-ST9020	\$95.00	ST9020
44-PLCC	600-mils	40-pins	44PL-40D-ZAL-Z86C40	\$95.00	Zilog Z86C40
44-PLCC	600-mils	40-pins	44PL-40D-ZAL-Z86X21	\$95.00	Zilog Z86X21
44-PLCC	300-and-600 mils	40-pins	44PL-40DU-ZAL-80C51	\$90.00	87C51, 87C52, 89F51, Atmel ATmega
44-PLCC	300-and-600 mils	40-pins	44PL-40DU-ZAL-PIC16C	\$90.00	Microchip PIC16C64, all PIC16Cxxx, PIC16Fxxx, PIC18Cxxx, PIC18Fxxx.
44-PLCC	300-and-600 mils	40-pins	44PL-40DU-ZAL-PIC17C	\$90.00	Microchip PIC17C42
44-PLCC	500-and-600-mils	48-pins	44PL-48DU-ZAL-X7336-NH	\$95.00	X7336 on Needham's Electronics programmers only.
44-PLCC	400-mils	48-pins	44PL-48D-ZAL-PSDxxx-NH	\$95.00	WaferScale, ST, PSD3xx on Needham's Electronics programmers only.
44-PLCC	600-mils	48-pins	44PL-48D-ZAL-51XA	\$95.00	Philips 87C51XA on Needham's Electronics programmers only.
52-PLCC	600-mils	40-pins	52PL-40D-ZAL-AT89C5131	\$105.00	Atmel AT89C5131
52-PLCC	600-mils	40-pins	52PL-40D-ZAL-DS87C530	\$105.00	Dallas Semiconductor DS87C530
68-PLCC	500-and-600-mils	40-pins	68PL-40DU-ZAL-552	\$110.00	Philips 87C552 and 87C562
68-PLCC	500-and-600-mils	40-pins	68PL-40DU-ZAL-592	\$110.00	Philips 87C592
68-PLCC	600-mils	28-pins	68PL-28D6-ZAL-MACH120	\$130.00	Mach 120 and Mach 220
68-PLCC	600-mils	28-pins	68PL-28D6-ZAL-H8-325	\$110.00	Hitachi H8-325 microcontroller
68-PLCC	600-mils	40-pins	68PL-40D-ZAL-PIC17C752	\$110.00	Microchip PIC 17C752 & 17C756A, parallel or serial programming.
68-PLCC	600-mils	40-pins	68PL-40D-ZAL-ATV5000	\$110.00	Atmel ATV5000
68-PLCC	500-and-600-mils	40-pins	68PL-40DU-ZAL-550	\$110.00	Dallas 87C550
68-PLCC	500-and-600-mils	40-pins	68PL-40DU-ZAL-PIC16C923	\$110.00	Microchip PIC 16C923 and 16C924
68-PLCC	500-and-600-mils	40-pins	68PL-40DU-ZAL-AT89C51RD2	\$110.00	Atmel AT89C51ED2 and AT89C51RD2.
84-PLCC	600-mils	28-pins	84PL-28D6-ZAL-MACH130	\$125.00	Mach 130 and Mach 230
84-PLCC	600-mils	48-pins	84PL-48D-ZAL-7128-NH	\$125.00	Altera EPM7128 on Needham's Electronics programmers only.