

48 pin micro BGA adapter

Programming Adapters

Programmers program a wide range of device types including memories, logic and microcontrollers. Most programmers are built with zero insertion force (ZIF) DIP package sockets. Programming adapters convert your existing package to a DIP package.

INTERCONNECTIONS:

General Purpose

These adapters can accommodate a large number of devices which are considered industry standard. These adapters will work with almost all programmers on the market. These are typically low pin count devices (44 and under) that were originally available in DIP.

Device-Specific

These adapters are unique to one device or device family. They are normally devices with pin counts over 44 or that were never available in a DIP version.

Programmer-Specific

Some adapters are programmer-specific. If a device never had a DIP version it may be programmer-specific as well.

Gang Description

You also need to specify if you need gang capability. Gang capability means that you have a gang programmer and will be programming multiple devices at once. To do this the adapter needs to be 0.9 inches wide or less.

Micro BGA Programming adapters

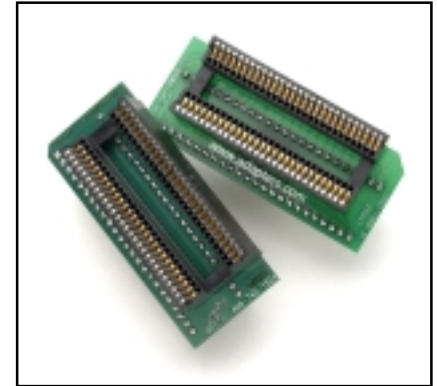
Devices	Footprint	Interface	Part Number
G28F008S38S5,16S3,S5	40 pin uBGA open-top	40 pin DIP .600 mil wide	130-2673-00
GT28F160B3,016B3	48 pin uBGA open-top	40 pin DIP .600 mil wide	130-2679-00
GT28F160B3,800B3	48 pin uBGA open-top	44 pin DIP .600 mil wide	130-2680-00
G28F320J5,G28F640J5	56 pin uBGA open-top	40 pin DIP .600 mil wide	130-2687-00
G28F320J5,640J5	56 pin uBGA open-top	48 pin DIP .600 mil wide	130-2689-00
MACH5,5LV	256 pin BGA open-top	28 pin DIP .600 mil wide	130-2756-00
GT28F160B3	352 pin BGA open-top	28 pin DIP .600 mil wide	130-2772-00

QUICK ORDER GUIDE; DETERMINE:

- Device to program
- Programmer manufacturer and model (i.e., Data I/O)
- Package type (i.e., PGA, BGA, PQFP, LCC, PLCC, etc. see page 4)
- Single device or gang programming

Plcc Programming adapters

Wiring & no-connects	IC package & socket type	Interface	Part Number
1,3,5,7,9,11,12,13,15,16,18,19 no connects	20 pin PLCC auto	8 pin DIP .300 mil wide	130-3550-00
	20 pin PLCC auto	8 pin DIP .600 mil wide	130-3563-00
	20 pin PLCC zif	8 pin DIP .300 mil wide	130-3550-03
	20 pin PLCC zif	8 pin DIP .600 mil wide	130-3563-03
1,3,5,6,9,10,11,12,15,16,18,19 no connects	20 pin PLCC auto	8 pin DIP .300 mil wide	130-3552-00
	20 pin PLCC auto	8 pin DIP .600 mil wide	130-3565-03
	20 pin PLCC zif	8 pin DIP .300 mil wide	130-3552-03
	20 pin PLCC zif	8 pin DIP .600 mil wide	130-3565-03
1,3,5,6,7,11,13,14,15,16,17,19 no connects	20 pin PLCC auto	8 pin DIP .300 mil wide	130-3554-00
	20 pin PLCC auto	8 pin DIP .600 mil wide	130-3567-00
	20 pin PLCC zif	8 pin DIP .300 mil wide	130-3554-03
	20 pin PLCC zif	8 pin DIP .600 mil wide	130-3567-03
1,6,11,16 no connects	20 pin PLCC auto	16 pin DIP .300 mil wide	130-
	20 pin PLCC auto	16 pin DIP .600 mil wide	130-
	20 pin PLCC zif	16 pin DIP .300 mil wide	130-
	20 pin PLCC zif	16 pin DIP .600 mil wide	130-
1 to 1	20 pin PLCC auto	20 pin DIP .300 mil wide	130-3625-00
	20 pin PLCC auto	20 pin DIP .600 mil wide	130-3638-00
	20 pin PLCC zif	20 pin DIP .300 mil wide	130-3625-03
	20 pin PLCC zif	20 pin DIP .600 mil wide	130-3638-03
5,8,11,19 no connects	28 pin PLCC auto	24 pin DIP .300 mil wide	130-3725-00
	28 pin PLCC auto	24 pin DIP .600 mil wide	130-3738-00
	28 pin PLCC zif	24 pin DIP .300 mil wide	130-3725-03
	28 pin PLCC zif	24 pin DIP .600 mil wide	130-3738-03
1,8,15,22 no connects	28 pin PLCC auto	24 pin DIP .300 mil wide	130-3727-00
	28 pin PLCC auto	24 pin DIP .600 mil wide	130-3740-00
	28 pin PLCC zif	24 pin DIP .300 mil wide	130-3727-03
	28 pin PLCC zif	24 pin DIP .600 mil wide	130-3740-03
5,10,21,22 no connects	28 pin PLCC auto	24 pin DIP .300 mil wide	130-3729-00
	28 pin PLCC auto	24 pin DIP .600 mil wide	130-3742-00
	28 pin PLCC zif	24 pin DIP .300 mil wide	130-3729-03
	28 pin PLCC zif	24 pin DIP .600 mil wide	130-3742-03
1,10,15,21 no connects	28 pin PLCC auto	24 pin DIP .300 mil wide	130-3731-00
	28 pin PLCC auto	24 pin DIP .600 mil wide	130-3744-00
	28 pin PLCC zif	24 pin DIP .300 mil wide	130-3731-03
	28 pin PLCC zif	24 pin DIP .600 mil wide	130-3744-03
1,11,15,19 no connects 28-1,14-15 shorted	28 pin PLCC auto	24 pin DIP .300 mil wide	130-3733-00
	28 pin PLCC auto	24 pin DIP .600 mil wide	130-3746-00
	28 pin PLCC zif	24 pin DIP .300 mil wide	130-3733-03
	28 pin PLCC zif	24 pin DIP .600 mil wide	130-3746-03
1 to 1	28 pin PLCC auto	28 pin DIP .600 mil wide	130-3772-00
	28 pin PLCC zif	28 pin DIP .600 mil wide	130-3772-03



56 pin SDIP for Motorola 68HC705

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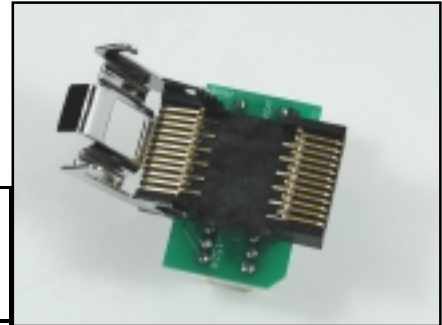
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ANY PACKAGE, ANY DEVICE,
ANY PROGRAMMER

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NOT LISTED WITH OVER
1000 PROGRAMMING
ADAPTERS, CHANCES ARE,
WE HAVE IT!

Plcc Programming adapters "continued"

1,2,3,12,17,27,30,31 no connects	32 pin PLCC auto 32 pin PLCC auto 32 pin PLCC zif 32 pin PLCC zif	24 pin DIP .300 mil wide 24 pin DIP .600 mil wide 24 pin DIP .300 mil wide 24 pin DIP .600 mil wide	130- 130- 130- 130-
1,2,3,,12,17,26,27,30 no connects	32 pin PLCC auto 32 pin PLCC auto 32 pin PLCC zif 32 pin PLCC zif	24 pin DIP .300 mil wide 24 pin DIP .600 mil wide 24 pin DIP .300 mil wide 24 pin DIP .600 mil wide	130- 130- 130- 130-
1,12,17,26 2764-27512 EPROMs	32 pin PLCC auto 32 pin PLCC zif	28 pin DIP .600 mil wide 28 pin DIP .600 mil wide	130-3840-00 130-3840-03
1 to 1 27010-27080 EPROMs	32 pin PLCC auto 32 pin PLCC zif	32 pin DIP .600 mil wide 32 pin DIP .600 mil wide	130-3871-0 130-3871-03
1,13,23,33 27C210-27C4096	44 pin PLCC auto 44 pin PLCC zif	40 pin DIP .600 mil wide 40 pin DIP .600 mil wide	130-3940-00 130-3940-03
1 to 1	44 pin PLCC auto 44 pin PLCC zif	44 pin DIP .600 mil wide 44 pin DIP .600 mil wide	130-3955-00 130-3955-03



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Altera device adapters

Devices	Socket	Interface	Part Number
EPM5032 BPMicro CP1128,PLD1128	28 pin PLCC auto 28 pin PLCC zif	28 pin DIP .300 mil wide 28 pin DIP .600 mil wide	130-3766-00 130-3766-05
EPM7032 programmer specific consult factory	44 pin PLCC auto 44 pin PLCC zif	40 pin DIP .600 mil wide 40 pin DIP .600 mil wide	130-3953-10 130-3953-20
EPM7064 BPMicro 1200,1400,2100,2200	44 pin PLCC auto 44 pin PLCC zif	44 pin DIP .600 mil wide 44 pin DIP .600 mil wide	130-3955-05 130-3955-00
EP900,EP910,EP1210	44 pin PLCC auto 44 pin PLCC zif	40 pin DIP .600 mil wide 40 pin DIP .600 mil wide	130-3953-30 130-3953-40
EP900,EP910,EP1210 BPMicro CP1128,PLD112BP	44 pin PLCC auto 44 pin PLCC zif	40 pin DIP .600 mil wide 40 pin DIP .600 mil wide	130-3900-05 130-3900-00
EP1810 EETools Allmax,LDI CM2000,3000	68 pin PLCC auto 68 pin PLCC zif	40 pin DIP .600 mil wide 40 pin DIP .600 mil wide	130-3953-50 130-3953-60
EPM7032 programmer specific consult factory	44 pin TQFP zif 44 pin PQFP zif	40 pin DIP .600 mil wide 40 pin DIP .600 mil wide	130-4308-00 130-4308-05
EPM7032 LDI Allpro programmer	44 pin TQFP zif 44 pin PQFP zif	40 pin DIP .600 mil wide 40 pin DIP .600 mil wide	130-4308-10 130-4308-20
EPM7064 BPMicro CP1128,PLD112BP	44 pin TQFP zif 44 pin PQFP zif	40 pin DIP .600 mil wide 40 pin DIP .600 mil wide	130-4308-30 130-4308-40

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ANY PACKAGE, ANY DEVICE,
ANY PROGRAMMER

ADAPTER BUILDER

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PRODUCT SELECTION

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PACKAGE SUPPORT

QFP, PQFP, TQFP
BGA, MICRO BGA, CSP
TSOP, SSOP, TSSOP
PLCC, DIP, SHRINK DIP

DEVICE SUPPORT

AMD VANTIS
INTEL
MICROCHIP
MOTOROLA
HITACHI
TOSHIBA
ST MICRO

PROGRAMMER SUPPORT

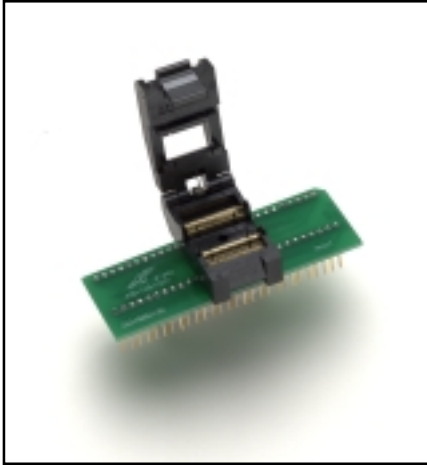
BP MICRO
EE TOOLS
SYSTEM GENERAL
MOTOROLA
DATA I/O
PHYTON

QUICK ORDER GUIDE; DETERMINE:

- Device to program
- Programmer manufacturer and model (i.e., Data I/O)
- Package type (i.e., PGA, BGA, PQFP, LCC, PLCC, etc. see page 4)
- Single device or gang programming

AMD / Vantisdevice adapters

Devices	Socket	Interface	Part Number
MACH210,211	44 pin PLCC auto 44 pin PLCC zif	40 pin DIP .600 mil wide 40 pin DIP .600 mil wide	130-3905-05 130-3905-00
MACH210,211 LDI AllPro programmer	44 pin PLCC auto 44 pin PLCC zif	28 pin DIP .600 mil wide 28 pin DIP .600 mil wide	130-4077-00 130-4077-05
MACH120,220	68 pin PLCC auto 68 pin PLCC zif	40 pin DIP .600 mil wide 40 pin DIP .600 mil wide	130-4140-05 130-4140-00
MACH130,230,231,435	84 pin PLCC auto 84 pin PLCC zif	28 pin DIP .600 mil wide 28 pin DIP .600 mil wide	130-3905-10 130-3905-20
MACH130,230,231,435 LDI AllPro programme	84 pin PLCC auto 84 pin PLCC zif	28 pin DIP .600 mil wide 28 pin DIP .600 mil wide	130-4140-10 130-4140-20
MACH130,230,231,435 LDI Chipmaster3000 programmer	84 pin PLCC auto 84 pin PLCC zif	28 pin DIP .600 mil wide 28 pin DIP .600 mil wide	130-4140-30 130-4140-40
MACH435 EETools-Allmax,LDI Chipmaster 3000	84 pin PLCC auto 84 pin PLCC zif	28 pin DIP .600 mil wide 28 pin DIP .600 mil wide	130-4140-50 130-4140-60
MACH110,111	44 pin QFP zif	28 pin DIP .600 mil wide	130-4301-00
AmPALCE16V8(HD)(Z)	20 pin SOIC zif 20 pin SOIC zif	20 pin DIP .300 mil wide 20 pin DIP .600 mil wide	130-4960-03 130-4960-06
AmPALCE22V10(Z)	24 pin SOIC zif 24 pin SOIC zif	24 pin DIP .300 mil wide 24 pin DIP .600 mil wide	130-4883-03 130-4883-06
Am29F200B(T),400B(t),800B(T)	44 pin SOIC open-top	44 pin DIP .600 mil wide	130-5090-06
Am27C(LV)010(B),27LV020(B) Am28F010(A),28F020(A),28F512 Am29F010,020,040	32 pin TSOP open-top	32 pin DIP .600 mil wide	130-5994-00
Am27C256	32 pin TSOP open-top	28 pin DIP .600 mil wide	130-5992-10
Am29LV002,004,008	40 pin TSOP open-top	40 pin DIP .600 mil wide	130-6017-06
Am29F200,400,800	48 pin TSOP open-top	32 pin DIP .600 mil wide	130-6050-00
Am29F400AB programmer specific consult factory	48 pin TSOP open-top	40 pin DIP .600 mil wide	130-6055-00
Am29F(LV)200,400,800 (T/B) Am28F100 T/B programmer specific consult factory	48 pin TSOP open-top	40 pin DIP .600 mil wide	130-6055-20
Am29F200,400,800B(T)	48 pin TSOP open-top	44 pin DIP .600 mil wide	130-6068-01



56 pin SSOP

QUICK ORDER GUIDE; DETERMINE:

- Device to program
- Programmer manufacturer and model (i.e., Data I/O)
- Package type (i.e., PGA, BGA, PQFP, LCC, PLCC, etc. see page 4)
- Single device or gang programming

Atmel

Devices	Socket	Interface	Part Number
AT89C1051 8051 footprint	20 pin DIP production 20 pin DIP zif 20 pin DIP production 20 pin DIP zif	40 pin DIP .600 mil wide 40 pin DIP .600 mil wide 20 pin DIP .300 mil wide 20 pin DIP .300 mil wide	130-2958-00 130-2958-05 130-3000-00 130-3000-05
ATF1500 Sytem General programmers	44 pin PLCC auto 44 pin PLCC zif	40 pin DIP .600 mil wide 40 pin DIP .600 mil wide	130-3950-00 130-3950-05
ATV2500	44 pin PLCC auto 44 pin PLCC zif	40 pin DIP .600 mil wide 40 pin DIP .600 mil wide	130-3951-10 130-3951-20
ATV2500 BP microsystems programmers	44 pin PLCC auto 44 pin PLCC zif	40 pin DIP .600 mil wide 40 pin DIP .600 mil wide	130-3951-30 130-3951-40
ATV2500	68 pin PLCC auto 68 pin PLCC zif	40 pin DIP .600 mil wide 40 pin DIP .600 mil wide	130-3951-50 130-3941-60
AT87F51,52 AT89C52,55,AT90S8515	44 pin TQFP zif 44 pin PQFP zif	40 pin DIP .600 mil wide 40 pin DIP .600 mil wide	130-4306-20 130-4306-10
ATF1500 Sytem General programmers	44 pin QFP zif	40 pin DIP .600 mil wide	130-4306-50
AT24C010(A),02N,04N,08N AT24C132,164,16N,32N,64N AT25C01,02,04 AT93C46(A&R),56,57,66	8 pin SOIC zif 8 pin SOIC zif	8 pin DIP .300 mil wide 8 pin DIP .600 mil wide	130-4854-00 130-4854-01
AT27C080,27LV080,27LV256R AT27LV512R,28C17,28C256 AT28C64(B)(X),HC64B,LV256	28 pin SOIC zif 28 pin SOIC zif	28 pin DIP .300 mil wide 28 pin DIP .600 mil wide	130-5008-03 130-5008-06
ATAT27LV512R-RC	28 pin SOIC zif 28 pin SOIC zif	28 pin DIP .300 mil wide 28 pin DIP .600 mil wide	130-5012-03 130-5012-06
AT27C(LV)080	32 pin SOIC open-top	8 pin DIP .600 mil wide	130-5040-06
AT27LV010,27LV256R,27LV512R AT28C16-T,AT28C256,28C64/X AT28HC256,28HC64B,28LV256 AT28LV64(B),29C(LV)256	28 pin TSOP open-top	28 pin DIP .600 mil wide	130-5956-00
AT27040,27BV010(L),020,040 AT27C020,040,080,AT27LV010, 020,040,080,AT28C010,28C16-T AT29C010,020,512 AT29LV010,020,040A,512	32 pin TSOP open-top	32 pin DIP .600 mil wide	130-5994-00

PRODUCT SELECTION

OVER 500 ADAPTERS
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PACKAGE SUPPORT

QFP, PQFP, TQFP
BGA, MICRO BGA, CSP
TSOP, SSOP, TSSOP
PLCC, DIP, SHRINK DIP

DEVICE SUPPORT

AMD VANTIS
INTEL
MICROCHIP
MOTOROLA
HITACHI
TOSHIBA
ST MICRO

PROGRAMMER SUPPORT

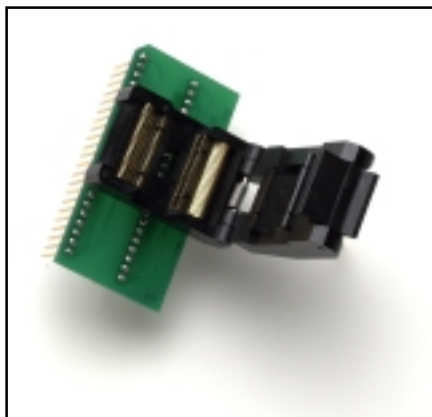
BP MICRO
EE TOOLS
SYSTEM GENERAL
MOTOROLA
DATA I/O
PHYTON

Catalyst

Devices	Socket	Interface	Part Number
CAT24WC128,128,256,32,64,65 CAT25C256, CAT93C57, 66,86,x61x,x62x,x63x	8 pin SOIC zif 8 pin SOIC zif	8 pin DIP .300 mil wide 8 pin DIP .600 mil wide	130-4864-00 130-4864-05
CAT25C02,024,03,04,05,08,09 CAT25C128,16,17,32,64	16 pin SOIC zif 16 pin SOIC zif	16 pin DIP .300 mil wide 16 pin DIP .600 mil wide	130-4901-00 130-4901-01
CAT28C16A,16V3	24 pin SOIC zif 24 pin SOIC zif	24 pin DIP .300 mil wide 24 pin DIP .600 mil wide	130-4983-03 130-4983-06
CAT28C17A,64B,65A65B CAT28LV64,65	28 pin SOIC zif 28 pin SOIC zif	28 pin DIP .300 mil wide 28 pin DIP .600 mil wide	130-5008-03 130-5008-06
CAT28C84B,65B CAT28LV256,64,65	28 pin TSOP open-top	28 pin DIP .600 mil wide	130-5956-00
CAT28C64B,65B CAT28F010(V),28F015,020,512 CAT29F(N)002	32 pin TSOP open-top	32 pin DIP .600 mil wide	130-5994-00
CAT28F102	40 pin TSOP open-top	40 pin IP .600 mil wide	130-6004-06
CAT24WC01,02,CAT34WC02 CAT93C46,56,66,86 CAT93Cx16x,x62x,x63x	8 pin TSSOP open-top	8 pin DIP .600 mil wide	130-5654-05
CAT25C02,024,03,04,05,08,09 CAT25C16,17,32,33	48 pin TSSOP open-top	14 pin DIP .600 mil wide	130-5662-05
CAT25C128,256,64	20 pin TSSOP open-top	20 pin DIP .600 mil wide	130-5694-06

Hitachi

Devices	Socket	Interface	Part Number
HD63701V0 HD63705V0	40 pin DIP zif 40 pin DIP zif	28 pin DIP .600 mil wide 28 pin DIP .600 mil wide	130-3004-10 130-3004-20
HD63701X0	64 pin S-DIP production 64 pin S-DIP zif	28 pin DIP .600 mil wide 28 pin DIP .600 mil wide	130-3030-10 130-3030-00
HD63701Y0	64 pin S-DIP production 64 pin S-DIP zif	28 pin DIP .600 mil wide 28 pin DIP .600 mil wide	130-3030-30 130-3030-20
HD68701Y	68 pin PLCC zif	28 pin DIP .600 mil wide	130-4080-00
H8/532,H8/534	84 pin PLCC auto 84 pin PLCC zif	28 pin DIP .600 mil wide 28 pin DIP .600 mil wide	130-4142-10 130-4142-00
H8/536	84 pin PLCC auto 84 pin PLCC zif	32 pin DIP .600 mil wide 32 pin DIP .600 mil wide	130-4146-10 130-4146-00
H8/3332,H8/3334	80 pin PQFP zif 80 pin TQFP zif	28 pin DIP .600 mil wide 28 pin DIP .600 mil wide	130-4386-00 130-4386-10
H8/337,H8/338	80 pin PQFP zif 80 pin TQFP zif	28 pin DIP .600 mil wide 28 pin DIP .600 mil wide	130-4386-20 130-4386-30



44 pin SOIC flip-top adapter

CUSTOMER SERVICE

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ANY PACKAGE....

ANY PACKAGE, ANY DEVICE,
ANY PROGRAMMER



Gang and non-gang adapters

QUICK ORDER GUIDE; DETERMINE:

- Device to program
- Programmer manufacturer and model (i.e., Data I/O)
- Package type (i.e., PGA, BGA, PQFP, LCC, PLCC, etc. see page 4)
- Single device or gang programming

Intel

Devices	Socket	Interface	Part Number
80C31,32,35,39,40,44,48,49,51,52,8344AH,83C51FA,FB,8741,-42,44,48,49,51(B)H,52BH,87C251,C51,FA,FB,528,652,654	44 pin PLCC auto 44 pin PLCC zif	40 pin DIP .600 mil wide 40 pin DIP .600 mil wide	130-3938-06 130-3938-06
80C54,58,83C51-FC,87C51-FC,87C54,58,88F51-FC	44 pin PLCC auto 44 pin PLCC zif	40 pin DIP .600 mil wide 40 pin DIP .600 mil wide	130-3948-12 130-3948-11
8044AH,8344AH,8744H	44 pin PQFP zif 44 pin TQFP zif	40 pin DIP .600 mil wide 40 pin DIP .600 mil wide	130-4306-10 130-4306-20
28F001BX,28F010,020	32 pin TSOP open-top	32 pin DIP .600 mil wide	130-5994-00
E28F200,400,800CR/V	48 pin TSOP open-top	40 pin DIP .600 mil wide	130-6060-00
E28F200,400,800 CR/V	48 pin TSOP open-top	40 pin DIP .600 mil wide	130-6060-10

Microchip

Devices	Socket	Interface	Part Number
PIC16C55,57	28 pin PLCC auto 28 pin PLCC zif	28 pin DIP .600 mil wide 28 pin DIP .600 mil wide	130-3772-03 130-3772-00
PIC16C64,64A,65,65A,74,74A,-77	44 pin PLCC auto 44 pin PLCC zif	40 pin DIP .600 mil wide 40 pin DIP .600 mil wide	130-3942-00 130-3942-10
PIC16C54,65,65A,74,74A	44 pin TQFP zif 44 pin PQFP zif	40 pin DIP .600 mil wide 40 pin DIP .600 mil wide	130-4304-10 130-4304-20
PIC17C42,42A,43,44	44 pin TQFP zif 44 pin PQFP zif	40 pin DIP .600 mil wide 40 pin DIP .600 mil wide	130-4304-00 130-4304-05
PIC12C508,509,670,671,F680,F681	8 pin SOIC zif	8 pin DIP .300 mil wide 8 pin DIP .600 mil wide	130-4858-00 130-4858-01
PIC16CC52,54,54A,56,58A,61,620,621,622,71,710,711,83,84,C84A	18 pin SOIC zif	18 pin DIP .300 mil wide 18 pin DIP .600 mil wide BPmicro, CP1128,EP1140	130-4936-03 130-4936-06 130-4936-00
PIC16C55,57,62,62A,63,72,73,73A	28 pin SOIC zif	18 pin DIP .300 mil wide BPmicro,CP1128,EP1140	130-5008-10
PIC14000,16C55,57,62,62A,63,-72,73,73A	28 pin SOIC zif	28 pin DIP .300 mil wide 28 pin DIP .600 mil wide	130-5008-03 130-5008-06
PIC16C54,54A,554,56,58A,558,620,621,622,711,822	20 pin SSOP open-top	18 pin DIP .300 mil wide 20 pin DIP, CP1128,EP1140	130-5279-03 130-5282-06
PIC16C55,57	28 pin SSOP open-top	28 pin DIP .600 mil wide BPmicro,CP1128,EP1140	130-5331-05 130-5331-07

SOCKET SELECTION

FLIP-TOP
OPEN-TOP
AUTO EJECT

DEVICE HANDLERS

PRODUCTION LINE
PROGRAMMING
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TECHNICAL SUPPORT

WE HAVE THE KNOWLEDGE
WE HAVE THE EXPERIENCE
WE HAVE THE SOLUTIONS

CUSTOM DESIGNS

WE ARE THE DESIGN
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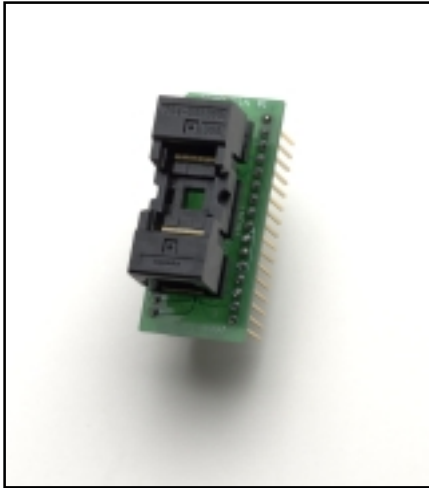
ON-LINE ADAPTER SEARCH
DATA SHEETS
DRAWINGS

National

Devices	Socket	Interface	Part Number
NM27C128,256,512 NM27LV512,NMC87C257	32 pin PLCC auto 32 pin PLCC zif	28 pin DIP .600 mil wide 28 pin DIP .600 mil wide	130-3840-03 130-3840-00
NM27C010,020,NM27LV012	32 pin PLCC auto 32 pin PLCC zif	32 pin DIP .600 mil wide 32 pin DIP .600 mil wide	130-3871-03 130-3871-00
NM27C(LV)210,240	44 pin PLCC auto 44 pin PLCC zif	40 pin DIP .600 mil wide 40 pin DIP .600 mil wide	130-3940-03 130-3940-00
NM24C02,03,04,05,08,09,16, 17,NM25C0 NM9306,46,56,66,S06,46,56 66,06	8 pin SOIC zif 8 pin SOIC zif	8 pin DIP .300 mil wide 8 pin DIP .600 mil wide	130-4854-00 130-4854-01
COP620C,622,640,642,820C,CJ COP822C,840,842,8620,822CJ, COP8622C,40C,42C,L20C,L22 COP8780C,81,82,920,922,940	28 pin SOIC zif 28 pin SOIC zif	28 pin DIP .300 mil wide 28 pin DIP .600 mil wide	130-5008-03 130-5008-06
NM27C010,28F010	32 pin TSOP open-top	32 pin DIP .600 mil wide	130-5994-00

Philips

Devices	Socket	Interface	Part Number
80C54,58,87C58	44 pin PLCC auto 44 pin PLCC zif	40 pin DIP .600 mil wide 40 pin DIP .600 mil wide	130-3948-12 130-3948-11
80C550,83C550,87C550	44 pin PLCC auto 44 pin PLCC zif	40 pin DIP .600 mil wide 40 pin DIP .600 mil wide	130-3948-22 130-3948-21
51-XA-G30	44 pin PLCC auto 44 pin PLCC zif	40 pin DIP .600 mil wide 40 pin DIP .600 mil wide	130-3944-10 130-3944-20
80C451,453,83C451,453 87C451,453	68 pin PLCC auto 68 pin PLCC zif	40 pin DIP .600 mil wide 40 pin DIP .600 mil wide	130-4123-12 130-4123-11
51-XA-3	68 pin PLCC auto	40 pin DIP .600 mil wide	130-4120-10
87C528	44 pin TQFP zif	40 pin DIP .600 mil wide	130-4306-20
51-XA-G3	44 pin QFP zif	40 pin DIP .600 mil wide	130-4306-30
51-XA-G3	44 pin QFP zif	44 pin DIP .600 mil wide	130-4306-35
N82S129AD	16 pin SOIC zif 16 pin SOIC zif	16 pin DIP .300 mil wide 16 pin DIP .600 mil wide	130-4913-03 130-4913-06



32 pin TSOP open-top adapter

SGS

Devices	Socket	Interface	Part Number
M27C160	44 pin SOIC open-top	44 pin DIP .600 mil wide	130-5090-06
M27C256B, M27C512	28 pin TSOP open-top	28 pin DIP .600 mil wide	130-5956-00
M27C001,1002,4001,405 801,M28F040,101,201 M28V201	32 pin TSOP open-top	32 pin DIP .600 mil wide	130-5994-00
MC27C1024	40 pin TSOP open-top	40 pin DIP .600 mil wide	130-6004-06

FAST DELIVERY

SELECTION

SERVICE

CUSTOM DESIGNS

SST

Devices	Socket	Interface	Part Number
28LF040, 28SF020, 28V040F 29EE,LE,VE,010,020,512	32 pin PLCC auto 32 pin PLCC zif	32 pin DIP .600 mil wide 32 pin DIP .600 mil wide	130-3871-03 130-3871-00
28LF020,28SF020, 28VF040 29EE010,020,512 29LE010,020,512 29VE010,020	32 pin TSOP open-top	32 pin DIP .600 mil wide	130-5994-00
28F040,28LF040,28SF020 28VF040	40 pin TSOP open-top	32 pin DIP .600 mil wide	130-6000-06

Texas Instruments

Devices	Socket	Interface	Part Number
TMS27C256,510,512 TMS27PC256,510,512	32 pin PLCC auto 32 pin PLCC zif	28 pin DIP .600 mil wide 28 pin DIP .600 mil wide	130-3840-03 130-3840-00
TMS27C010A,020,040 TMS27PC020,040 TMS28F010B,020	32 pin PLCC auto 32 pin PLCC zif	28 pin DIP .600 mil wide 28 pin DIP .600 mil wide	130-3871-03 130-3871-00
TMS27C210A,240 TMS27PC210A,240 TMS28F210	44 pin PLCC auto 44 pin PLCC zif	40 pin DIP .600 mil wide 40 pin DIP .600 mil wide	130-3940-03 130-3940-00
29F010,29F259,29F512 TMS27C010A,PC010A PC512,28F010B,020	32 pin TSOP open-top	32 pin DIP .600 mil wide	130-5994-00

WEB TOOLS

Toshiba

Devices	Socket	Interface	Part Number
TC54256AF,54512AF	28 pin SOIC zif 20 pin SOIC zif	28 pin DIP .300 mil wide 28 pin DIP .600 mil wide	130-5012-03 130-5012-06
TC541000P,1001P	32 pin SOIC open-top	32 pin DIP .600 mil wide	130-5040-06
TC534200F,544200F	40 pin SOIC open-top	40 pin DIP .600 mil wide	130-5065-06
TC58F010FT, TR	32 pin TSOP open-top	32 pin DIP .600 mil wide	130-5994-00

Waferscale Integration

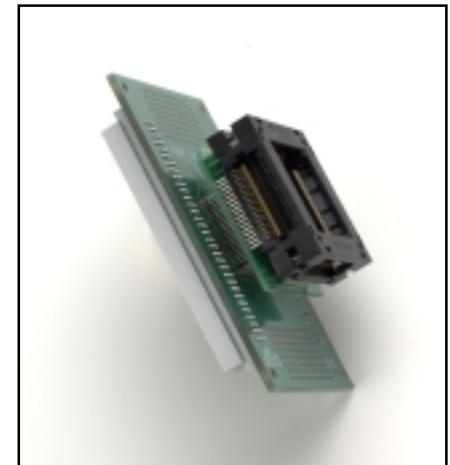
Devices	Socket	Interface	Part Number
PSD301, 302, 303, 304 311, 312, 313, 314 **Etools Allmax & LDI Chipmaster 2000	44 pin PLCC auto 44 pin PLCC zif	40 pin DIP .600 mil wide 40 pin DIP .600 mil wide	130-3947-00 130-3947-10
PSD301, 302, 303, 304 311, 312, 313, 314 **BP EP1140 & LDI chipmaster 3000	44 pin PLCC auto 44 pin PLCC zif	40 pin DIP .600 mil wide 40 pin DIP .600 mil wide	130-3947-20 130-3947-30
PSD301, 302, 303, 304 311, 312, 313, 314 ** LDI AllPro	44 pin PLCC auto 44 pin PLCC zif	40 pin DIP .600 mil wide 40 pin DIP .600 mil wide	130-3947-40 130-3947-50

Xicor

Devices	Socket	Interface	Part Number
X28C010, 256, 264 X68257, X88257	32 pin PLCC auto 32 pin PLCC zif	28 pin DIP .600 mil wide 28 pin DIP .600 mil wide	130-3840-03 130-3840-00
X28C512	32 pin PLCC auto 32 pin PLCC zif	32 pin DIP .600 mil wide 32 pin DIP .600 mil wide	130-3871-03 130-3871-00
X9221, X9241	20 pin SOIC lidded zif socket	20 pin DIP .300 mil wide 20 pin DIP .600 mil wide	130-4960-03 130-4960-06
X68C64, X88C64	24 pin SOIC lidded zif socket	24 pin DIP .300 mil wide 24 pin DIP .600 mil wide	130-5662-06 130-5693-06

Xilinx

Devices	Footprint	Interface	Part Number
XC1701,1718 / 17128 XC17256D(L),X1736D(L) XC17512L, XC1765D(L)	20pin PLCC auto eject socket	8 pin DIP .300 mil wide 8 pin DIP .600 mil wide	130-3550-03 130-3563-03
XC1701,1718 / 17128 XC17256D(L),X1736D(L) XC17512L, XC1765D(L)	20 pin PLCC clamshell zif socket	8 pin DIP .300 mil wide 8 pin DIP .600 mil wide	130-3550-00 130-3563-00
XC1716, XC1736D XC17C65D	8 pin SOIC lidded zif socket	8 pin dip .300 mil wide 8 pin dip .600 mil wide	130-4854-00 130-4854-01



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