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ADAPTORS FOR PROGRAMMER
GOOD
ON
BUSY
YES
PROGRAMMER & TESTER
(MASTER)
AL3-CE20V8
AL3-1810PLCC
AL3-PLCC-PAL
AL3-8796PGA
AL3-NSDPAL
HI-LO SYSTEMS

All available adapters and plcc converters, according to their different function, are categorised into the following 5 groups.

ADAPTORS for PROGRAMMERS

1. **PROM/MPU Group:** for EPROM, EEPROM, BPROM, MPU and the like;

2. **PLD Group:** EPLD, GAL, PEEL, MAX, MACH and others;

3. **Gang Socket Group:** for EPROM, MPU, GAL and PEEL, etc., in volume production;

4. **Special Group:** Adapters with additional special functions, e.g. testing SIMM-RAM, emulating EPROM...;

5. **PLCC Converter Group:** whose sockets are suitable for all brands of programmers.

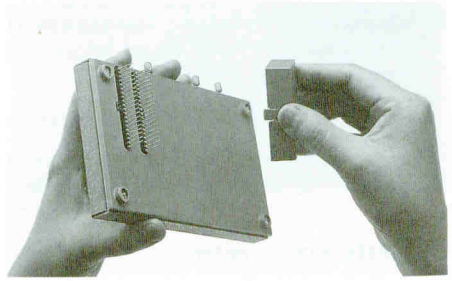
HI-LO SYSTEMS

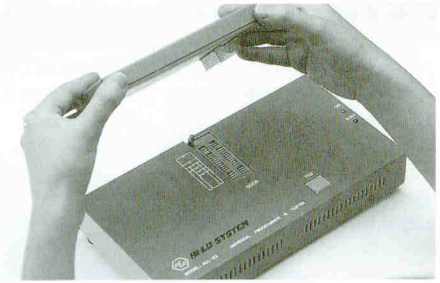
HOW TO OPERATE THE ADAPTOR AND CONVERTER

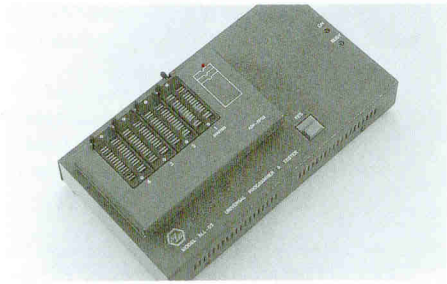
1. Install the adaptor

A) Face the front side of the programmer module and pull the socket lever upwards to set the test socket in the loose position.

B) Hold the adaptor with the test socket side up and take off the bottom protective cover by slightly pressing the cover sides; then carefully insert the bottom side of the adaptor with 20x2 dual-inline pins into the socket of the programmer module so that each pin matches the corresponding slot in the socket. Push down the socket lever to secure the insertion.







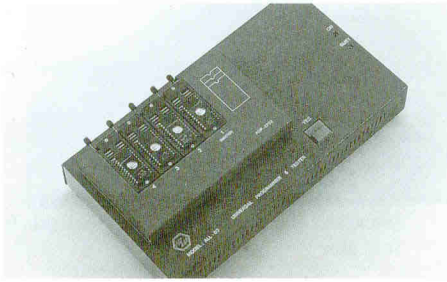
C) Execute the software supplied with the adaptor, such as executing AEP32 <ENTER> for adaptor ADP-EP32. Refer to the enclosed adaptor list for further details about adaptors and their software.

D) Once the main menu of the adaptor appears on the screen, the remainder of the software operations are exactly the same as those of the programmer module. Please refer to the programmer user's manual.

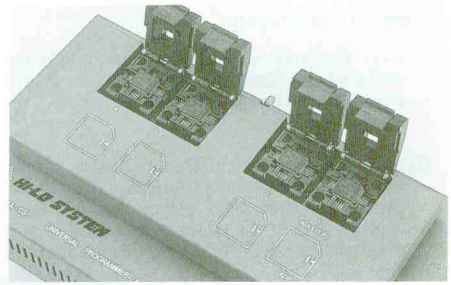
E) Though only one socket is mentioned in Steps A(through D), this adaptor installation procedure can be applied to adaptors with 2, 3 or 4 sockets.

2. Insert the Device into the adaptor test socket

If the adaptor test socket is a DIP type, the Device insertion is exactly the same as that for inserting a Device into the test socket of the programmer module. The illustration next to the socket shows direction of the insertion.



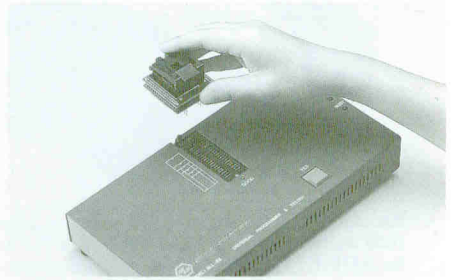
If the adaptor test socket is a PLCC type, open the cover of the test socket first. Carefully insert the PLCC, match the NO.1 pin with the slot below which a dot and numeral 1 are marked, then push down the cover. Make sure the Device is firmly seated in the socket before programming.



Note:
1. The type number and data code side of the PLCC must face up.
2. If the PLCC is not firmly secured due to its thickness, adhere a layer of paper to the cover. This will secure the PLCC in the socket and prevent programming defects.

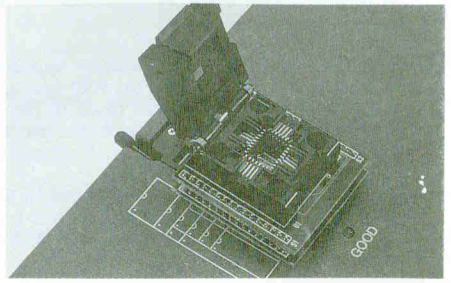
3. Install the converter

A) Face the front side of programmer module and pull the lever of the test socket upwards to set the test socket in the loose position.



B) Hold the converter with its test socket side up so that the socket opens from the front towards the back. The dual-inline pins face down towards the top of the programmer module.

C) Carefully insert the dual-inline pins into the test socket of the programmer module. The first two DIP-pins of the converter must match the first two socket-pins on the opposite side of the socket lever of the programmer module. Then push down the socket lever to secure the converter.



D) Execute the original software for the corresponding DIP device,i.e. the software supplied with the programmer module.

Note: The converter is supplied without software.

E) Once the main menu of the programmer appears on the screen, the remainder of the software operations are exactly the same as those of the programmer module.

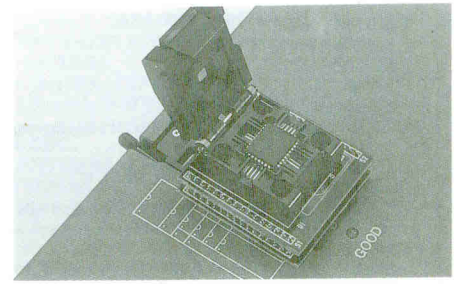
4. Insert the Device into the converter test socket

A) PLCC converter

A.1 Open the converter socket from the front side towards the back.

A.2 There is a niche on the lower right corner. The pin above the dot mark on the front side is the first pin.

A.3 Hold the PLCC, type number and date code facing up, pins facing the socket of the converter, match the niched corner with that on the converter socket; then carefully insert the PLCC into the socket. Press the socket cover securely back into its position before proceeding with the programming.



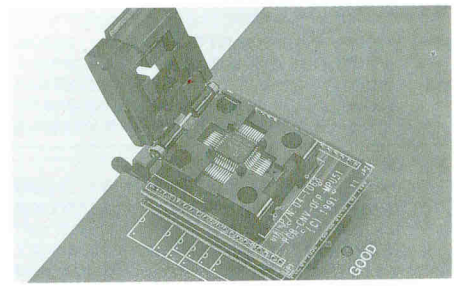
Note:
If the PLCC cannot be firmly secured due to its thickness, adhere a layer of paper to the cover. This will secure the PLCC in the socket and prevent programming defects.

B) QFP converter

B.1 Open the converter socket from the front side towards the back.

B.2 The front leftmost pin is the first pin.

B.3 Hold the QFP, type number and date code side facing up, pins facing down, match the first pin and four sides of the QFP to the slot in the converter. Then carefully insert the QFP into the converter socket. Press the socket cover securely back into its position before proceeding with the programming.



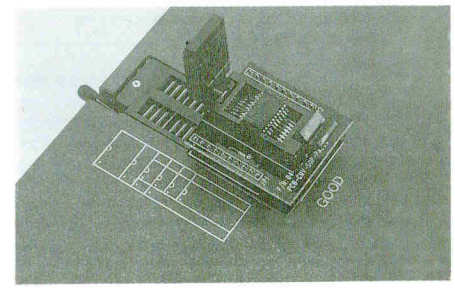
Note:
If the QFP is not firmly secured due to its thickness, adhere a layer of paper to the cover. This will secure the QFP in the socket and prevent programming defects.

C) SOP converter

C.1 Open the converter socket from the front side towards the back.

C.2 The position of the first pin in the SOP socket is exactly the same as that on DIP socket.

C.3 Hold the SOP, type number and date code facing up, pins facing down, match the first pin with the slot for it in the converter socket. Then carefully insert the SOP into the socket. Press the socket cover securely back to its closed position before proceeding with the programming.



Note:
If the SOP is not firmly secured due to its thickness, adhere a layer of paper to the cover. This will secure the SOP in the socket and prevent programming defects.

MODEL : ADP-PLCC-EP
SOFTWARE: WITHOUT
FEATURES:
1. Two 32-pin PLCC sockets
2. Socket # 1
   * Supports all 32-pin PLCC EPROM ranging from 2764 to 27512.
   * The pins not connected are: 1, 12, 17, 26
3. Socket # 2
   * Supports all 32-pin PLCC EPROM from 1 MB up

MODEL : ADP-PLCC-51
SOFTWARE: WITHOUT
FEATURES:
1. One 44-pin PLCC socket
2. Supports 8741A, 8742, 8744, 8748, 8749H, 8751, 8752,
3. The pins not connected are: 1, 12, 23, 24.

MODEL : ADP-51GB
SOFTWARE: A51GB.EXE
FEATURES:
1. One 68-pin PLCC socket
2. Supports INTEL - 87C51GB

MODEL : ADP-18U42
SOFTWARE: A18U42.EXE
FEATURES:
1. One 24-pin DIP socket
2. Supports RCA - CDP18U42CD EPROM

MODEL : ADP-054
SOFTWARE: A751.EXE
FEATURES:
1. One 42-pin SDIP socket
2. Supports SIGNETICS - 87C054

MODEL : ADP-451
SOFTWARE: ASIGMPU.EXE
FEATURES:
1. One 68-pin PLCC socket
2. Supports SIGNETICS - 87C451

MODEL : ADP-552
SOFTWARE: ASIGMPU.EXE
FEATURES:
1. One 68-pin PLCC socket
2. Supports SIGNETICS - 87C552

MODEL : ADP-552-QFP
SOFTWARE: ASIGMPU.EXE
FEATURES:
1. One 80-pin QFP socket
2. Supports SIGNETICS - 87C552

MODEL : ADP-751
SOFTWARE: A751.EXE
FEATURES:
1. One 28-pin DIP socket
2. Supports SIGNETICS - 87C751, 87C752

MODEL : ADP-4019
SOFTWARE: A4019.EXE
FEATURES:
1. Two sockets, one 64-pin SDIP, one 64-pin QFP
2. Supports HITACHI single-chip microcomputer
   HD4074008: DP-64S, FP-64B
   HD4074019: DP-64S, FP-64B

MODEL : ADP-4308
SOFTWARE: A4308.EXE
FEATURES:
1. Two sockets, one 42-pin DIP, one 42-pin SDIP
2. Supports HITACHI single-chip microcomputer
   HD4074308: DP-42, DP-42S

MODEL : ADP-4329
SOFTWARE: A4329.EXE
FEATURES:
1. Two sockets, one 64-pin SDIP, one 64-pin QFP
2. Supports HITACHI single-chip microcomputer
   HD4074329: DP-64S, FP-64B

MODEL : ADP-4618
SOFTWARE: A4618.EXE
FEATURES:
1. One 80-pin QFP socket
2. Supports HITACHI single-chip microcomputer
   HD4074618 : FP-80B
   HD4074818 : FP-80B
   HD407L4818 : FP-80B

MODEL : ADP-4618A
SOFTWARE: A4618.EXE
FEATURES:
1. One 80-pin QFP socket
2. Supports HITACHI single-chip microcomputer
   HD4074618 : FP-80A
   HD4074818 : FP-80A
   HD407L4818 : FP-80A

MODEL : ADP-8796PGA
SOFTWARE: A8796.EXE
FEATURES:
1. One 68-pin PGA socket
2. Supports INTEL - 8796BH/8797BH PGA type

MODEL : ADP-8796PLCC
SOFTWARE: A8796.EXE
FEATURES:
1. Two sockets, one 48-pin DIP, one 68-pin PLCC
2. Socket #1 supports 8795BH, 8798 DIP type
3. Socket #2 supports 8796BH, 8797BH, 8797JF, 87C196KB, 87C196KC PLCC type

MODEL : ADP-87C196KR
SOFTWARE: A8796.EXE
FEATURES:
1. Two sockets, one 52-pin PLCC, one 68-pin PLCC
2. Supports INTEL - 87C196KR/KQ (68-pin PLCC)
   87C196JR/JQ (52-pin PLCC)

MODEL : ADP-87196MC
SOFTWARE: A8796.EXE
FEATURES:
1. One 84-pin PLCC socket
2. Supports INTEL - 87C196MC

MODEL : ADP-87C198
SOFTWARE: A8796.EXE
FEATURES:
1. One 52-pin PLCC socket
2. Supports INTEL - 87C198, 87C 194

MODEL : ADP-87C592
SOFTWARE: ASIGMPU.EXE
FEATURES:
1. One 68-pin PLCC socket
2. Supports SIGNETICS - 87C592

MODEL : ADP-97C100
SOFTWARE: A97C100.EXE
FEATURES:
1. Two sockets, one 84-pin PLCC, one 80-pin QFP(B type)
2. Supports PHILIPS 97C100

MODEL : ADP-63705
SOFTWARE: A63705.EXE
FEATURES:
1. One 40-pin DIP socket
2. Supports HITACHI - HD63705V0, HD637A05V0, HD637B05V0

MODEL : ADP-647180
SOFTWARE: A647180.EXE
FEATURES:
1. Two sockets,one 90-pin SDIP,one 84-pinPLCC
2. Supports HITACHI - HD647180X

MODEL : ADP-68701
SOFTWARE: A68701.EXE
FEATURES:
1. One 40-pin DIP socket
2. Supports MOTOROLA - 68701, 68701U4

MODEL : ADP-68705
SOFTWARE: A68705.EXE
FEATURES:
1. Two sockets, one 28-pin DIP, one 40-pin DIP
2. Supports MOTOROLA single-chip microcomputer
   MC68705R3, MC68705U3, MC68705P3,
   MC68705R5, MC68705U5, MC68705P5,

MODEL : ADP-68HC705
SOFTWARE: A68705.EXE
FEATURES:
1. One 40-pin DIP socket
2. Supports MOTOROLA - MC68HC705C8 (MASK 0B67H, 1B67H, B44S, C11C), MC68HC805C4

MODEL : ADP-68HC705J
SOFTWARE : A68705P.EXE
FEATURES :
1. One 24-pin DIP socket
2. Supports MOTOROLA - MC68HC705J2

MODEL : ADP-68HC705P
SOFTWARE : A68705P.EXE
FEATURES :
1. One 28-pin DIP socket
2. Supports MOTOROLA - MC68HC705P9

MODEL : ADP-68HC705R
SOFTWARE : A68705R.EXE
FEATURES :
1. One 40-pin DIP socket
2. Supports MOTOROLA - 68HC705C8(read only)
   68HC805C4(read only)

MODEL : ADP-68HC711
SOFTWARE: A68711.EXE
FEATURES:
1. One 84-pin PLCC socket
2. Supports MOTOROLA - MC68HC711K4

MODEL : ADP-68HC711D
SOFTWARE: A68711.EXE
FEATURES:
1. Two sockets, one 40-pin DIP, one 44-pin PLCC
2. Supports MOTOROLA - MC68HC711D3

MODEL : ADP-68HC711E
SOFTWARE: A68711.EXE
FEATURES:
1. One 52-pin PLCC socket
2. Supports MOTOROLA - MC68HC711E9

MODEL : ADP-68HC711E9-Q
SOFTWARE: A68711.EXE
FEATURES:
1. One 64-pin QFP (A type) socket
2. Supports MOTOROLA - MC68HC711E9

MODEL : ADP-68HC711K4-Q
SOFTWARE: A68711.EXE
FEATURES:
1. One 80-pin QFP (Atype) socket
2. Supports MOTOROLA - MC68HC711K4

MODEL : ADP-68HC811E2
SOFTWARE: A68811.EXE
FEATURES:
1. Two sockets, one 48-pin DIP, one 52-pin PLCC
2. Supports MOTOROLA - 68HC811E2

MODEL : ADP-H8/325
SOFTWARE: AH8325.EXE
FEATURES:
1. Two sockets, one 64-pin SDIP, one 64-pin QFP
2. Supports HITACHI single-chip microcomputer
HD6473258C : DP-64S
HD6473258P : DP-64S
HD6473258F : FP-64A

MODEL : ADP-H8/330
SOFTWARE: AH8325.EXE
FEATURES:
1. Two socket, one 80-pin QFP, one 84-pin PLCC
2. Supports HITACHI single-chip microcomputer
HD6473308F : FP-80A
HD6473308CP : PLCC-84

MODEL : ADP-H8/532
SOFTWARE: AH8325.EXE
FEATURES:
1. Two sockets,one 84-pin PLCC,one 80-pinQFP
2. Supports HITACHI single-chip microcomputer
HD6475328CP:PLCC-84, HD6475328F:FP-80A,
HD6475368CP:PLCC-84, HD6475368F:FP-80A

MODEL : ADP-MB7100
SOFTWARE: AMB7100.EXE
FEATURES:
1. One 32-pin DIP socket
2. Supports FUJITSU - MB71 series PROM

MODEL : ADP-PIC16
SOFTWARE: APIC16.EXE
FEATURES:
1. Two sockets, one 24-pin DIP, one 32-pin DIP
2. Supports Microchip - PIC16C54, PIC16C55, PIC16C
PIC16C57, PIC16C71

MODEL : ADP-PSD301
SOFTWARE: APSD301.EXE
FEATURES:
1. One 44-pin PLCC socket
2. Supports WSI - PSD301/311, PSD302/312,
PSD303/313

MODEL : ADP-TMP9
SOFTWARE: ATMP9.EXE
FEATURES:
1. Two sockets,one 64-pin DIP,one64-pin QFP
2. Supports TOSHIBA - TMP91P640E-10
TMP91P640N-10, TMP91P640F-10
TMP90PM40N, TMP90PM40F

MODEL : ADP-TMS320E
SOFTWARE: ATMS320E.EXE
FEATURES:
1. One 68-pin PLCC socket
2. Supports TI - TMS320E25

MODEL : ADP-TMS320E1
SOFTWARE: ATMS320E.EXE
FEATURES:
1. One 40-pin DIP socket
2. Supports TI - TMS320E15/E17

MODEL : ADP-TMS320E14
SOFTWARE: ATMS320E.EXE
FEATURES:
1. One 68-pin PLCC socket
2. Supports TI - TMS320E14

MODEL : ADP-TMS320E1P
SOFTWARE: ATMS320E.EXE
FEATURES:
1. One 44-pin PLCC socket
2. Supports TI - TMS320E15 (PLCC)
TI - TMS320E17 (PLCC)

MODEL : ADP-UPD75P008
SOFTWARE: A75P008.EXE
FEATURES:
1. One 42-pin SDIP socket
2. Supports NEC - uPD75P008

MODEL : ADP-UPD75P008QFP
SOFTWARE: A75P008.EXE
FEATURES:
1. One 44-pin QFP socket
2. Supports NEC - uPD75P008 (QFP type)

MODEL : ADP-UPD75P108
SOFTWARE: A75P008.EXE
FEATURES:
1. One 64-pin SDIP socket
2. Supports NEC - uPD75P108/B, uPD75P116

MODEL : ADP-UPD75P108QFP
SOFTWARE: A75P008.EXE
FEATURES:
1. Two sockets, one 64-pin SDIP, one 64-pin QFP
2. Supports NEC - uPD75P108, uPD75P116

MODEL : ADP-UPD75P308
SOFTWARE: A75P008.EXE
FEATURES:
1. One 80-pin QFP(B type) socket
2. Supports NEC - uPD75P308

MODEL : ADP-UPD75P328
SOFTWARE: A75P008.EXE
FEATURES:
1. One 80-pin QFP(A type) socket
2. Supports NEC - uPD75P328

MODEL : ADP-UPD77P56
SOFTWARE: A75P008.EXE
FEATURES:
1. Two sockets,one 24-pin DIP, one 28-pin SOP
2. Supports NEC - uPD77P56,uPD77P57
ADPCM speech synthesizer LSIs.

MODEL : ADP-UPD78P312
SOFTWARE: A78P312.EXE
FEATURES:
1. One 64-pin SDIP socket
2. Supports NEC - uPD78P312A

MODEL : ADP-X2212
SOFTWARE: AX2212.EXE
FEATURES:
1. One 24-pin DIP socket
2. Supports XICOR - X2212, X2212I, X2212M, X2210,
X2210I, X2210M ,
FUJITSU - MBM2212
CATALYST - X22C10, X22C10I, X22C12,
X22C12I

MODEL : ADP-Z86E08
SOFTWARE: AZ86E08.EXE
FEATURES:
1. One 24-pin DIP socket
2. Supports ZILOG - Z86E08

MODEL : ADP-Z86E40
SOFTWARE : AZ86E40.EXE
FEATURES:
1. Two sockets, one 40-pin DIP, one 44-pin PLCC
2. Supports ZILOG - Z86E40

MODEL : ADP-28F400P
SOFTWARE: A28F.EXE
FEATURES:
1. One 44-pin PSOP socket
2. Supports INTEL - PA28F200BX-B, PA28F200BX-T,
PA28F400BX-B, PA28F400BX-T

MODEL : ADP-PLCC-PAL
SOFTWARE: WITHOUT
FEATURES:
1. Three sockets, one 20-pin PLCC, two 28-pin PLCC
2. Socket # 1
* Supports 10H8, 10L8, 12H6, 12L6, 14H4, 14L4, 16C1, 16H2, 16L2, 16L8, 16N8, 16P8F, 16R4, 16R6, 16R8, 16RA8, 16RP4, 16RP6, 16RP8, 16X4, 16V8, 18N8, 18P8, PLS155, PLS157, PLS159,
ALTERA - EP310, EP320
AMD - 23S8
CYPRESS - 18G8
SIGNETICS - PLC153, PLHS153, PLHS153B, PLS151, PLS153, PLS155, PLS153A, PLS157, PLS159, PLS159A, PLS161, PLS162, PLS163, PLUS153, PLUS153B, PLUS153D,
3. Socket # 2
* Supports 14R21, 20RP6, 20RP8, 20RP10 20XRP10, 20X4/X8/X10, 20V8, 22P10, 22RX8, 22V10, 29MA16, 32VX10
AMD - 29M16, 19MA16, PLS168, PLS167, 20L8FN, 20R4FN, 20R6FN, 20R8FN, 20RA10FN
SIGNETICS - PLC473, PLHS473
TI - TIBPALR19L8/A, 20R4/R6/R8/L8/L10, 20X8, 20X10, 22V10, 22VP10, TIBPALR19R4/A, TIBPALR19R6/A, TIBPALR19R8/A, TIBPALT19L8/A, TIBPALT19R4/A, TIBPALT19R6/A, TIBPALT19R8/A, TIFPLA839M/C, TIFPLA840M/C, TIBPLS506M/C, TIBPLS507M/C, TIB82S167BC,
* The pins not connected are: 1, 8, 15, 22
4. Socket # 3
* Supports 6L16, 8L14, 12L10, 14L8, 16L6, 18L4, 20C1/C2, 20L10, 20RS4/RS8/RS10, 20S10, 20X4/X8/X10
AMD - 20L8NL, 20R4NL, 20R6NL, 20R8NL, 20RA10NL
CYPRESS - 20G10/B
* The pins not connected are: 5, 8, 11, 19

MODEL : ADP-1210
SOFTWARE: A1210.EXE
FEATURES:
1. One 40-pin DIP socket
2. Supports ALTERA - EP1200, EP1210 series

MODEL : ADP-1810PLCC
SOFTWARE: A1810.EXE
FEATURES:
1. One 68-pin PLCC socket
2. Supports ALTERA - EP1800/-2/-3, EP1830-20/-20T
EP1810-55/-45/-35/-25/-20,
EP1810-35T/-25T/-20T
TI - EP1810-35/-45, EP1830-20/-25/-30
INTEL - 5C180-75/-90

MODEL : ADP-1810PGA
SOFTWARE: A1810.EXE
FEATURES:
1. One 68-pin PGA socket
2. Supports ALTERA - EP1810-45/-55, EP1830-20/-20T

MODEL : ADP-26CV12
SOFTWARE: A26CV12.EXE
FEATURES:
1. One 32-pin DIP socket
2. Supports LATTICE - GAL26CV12/B,
AMD - PALCE26V12 series, PALCE24V10

MODEL : ADP-5AC324
SOFTWARE: A5AC324.EXE
FEATURES:
1. One 40-pin DIP socket
2. Supports INTEL - EPLD 5AC324

MODEL : ADP-7C33X
SOFTWARE: A7C33X.EXE
FEATURES:
1. Two sockets, one 32-pin DIP, one 28-pin PLCC
2. Supports CYPRESS - CY7C330, CY7C331, CY7C332

MODEL : ADP-7C361
SOFTWARE : A7C361.EXE
FEATURES :
1. Two sockets, one 32-pin DIP, one 28-pin PLCC
2. Supports CYPRESS - CY7C361

MODEL : ADP-ATV2500Y
SOFTWARE: ATV2500.EXE
FEATURES:
1. Two sockets, one 40-pin DIP, one 44-pin PLCC
2. Supports ATMEL - ATV2500
SIGNETICS - PLV2500

MODEL : ADP-ATV5000
SOFTWARE: ATV5000.EXE
FEATURES:
1. One 68-pin PLCC socket
2. Supports ATMEL - ATV5000
SIGNETICS - PLV5000

MODEL : ADP-MACH
SOFTWARE: AMACH.EXE
FEATURES:
1. One 44-pin PLCC socket
2. Supports AMD - MACH110, MACH210, MACH215

MODEL : ADP-MACH1
SOFTWARE : AMACH1.EXE
FEATURES :
1. One 84-pin PLCC socket
2. Supports AMD - MACH130, MACH230

MODEL : ADP-MACH2
SOFTWARE : AMACH1.EXE
FEATURES :
1. One 68-pin PLCC socket
2. Supports AMD - MACH120, MACH220

MODEL : ADP-MAX
SOFTWARE: AMAX.EXE
FEATURES:
1. Two sockets, one 20-pin DIP, one 32-pin DIP
2. Supports ALTERA - EPM5016, EPM5032
CYPRESS - CY7C344

MODEL : ADP-MAX50B
SOFTWARE: AMAX.EXE
FEATURES:
1. One 44-pin PLCC socket
2. Supports ALTERA - EPM5064
CYPRESS - CY7C343

MODEL : ADP-MAX50C
SOFTWARE: AMAX.EXE
FEATURES:
1. One 68-pin PLCC socket
2. Supports ALTERA - EPM5128
CYPRESS - CY7C342

MODEL : ADP-MAX50E
SOFTWARE: AMAX.EXE
FEATURES:
1. One 84-pin PLCC socket
2. Supports ALTERA - EPM5192
CYPRESS - CY7C341

MODEL : ADP-MAX-PL
SOFTWARE: AMAX.EXE
FEATURES:
1. Two sockets, one 20-pin PLCC, one 28-pin PLCC
2. Supports ALTERA - EPM5016, EPM5032
CYPRESS - CY7C344

MODEL : ADP-EPM7032
SOFTWARE: AMAX70.EXE
FEATURES:
1. One 44-pin PLCC socket
2. Supports ALTERA - EPM7032

MODEL : ADP-MAPL128
SOFTWARE: AMAPL.EXE
FEATURES:
1. One 28-pin PLCC socket
2. Supports NS - MAPL128 IC

MODEL : ADP-MAPL144
SOFTWARE: AMAPL.EXE
FEATURES:
1. One 44-pin PLCC socket
2. Supports NS MAPL144

MODEL : ADP-NSDPAL
SOFTWARE: ANSD.EXE
FEATURES:
1. Two sockets, one 20-pin DIP, one 24-pin DIP
2. Supports NS - D type PAL:
20 Pin - 16L8D/-7, 16R8D/-7, 16R6D/-7, 16R4D/-7,
24 Pin - 20L8D/-7, 20R8D/-7, 20R6D/-7, 20R4D/-7,

MODEL : ADP-PHD48N22
SOFTWARE : A48N22.EXE
FEATURES :
1. One 68-pin PLCC socket
2. Supports SIGNETICS PHD48N22

MODEL : ADP-PLS100
SOFTWARE: APLS100.EXE
FEATURES:
1. One 32-pin DIP socket
2. Supports SIGNETICS - PLS100, PLS101, 82S100/101

MODEL : ADP-PLS105
SOFTWARE: APLS105.EXE
FEATURES:
1. One 32-pin DIP socket
2. Supports SIGNETICS - PLS104/A, PLS105/A, PLUS105/405, PLC415, TI - TIB82S105A/B

MODEL : ADP-PLHS473
SOFTWARE: APLS473.EXE
FEATURES:
1. One 32-pin DIP socket
2. Supports SIGNETICS - PLHS473

MODEL : ADP-PML2552
SOFTWARE: A2552.EXE
FEATURES:
1. One 68-pin PLCC socket
2. Supports SIGNETICS - PML2552

MODEL : ADP-PML2852
SOFTWARE: A2852.EXE
FEATURES:
1. One 84-pin PLCC socket
2. Supports SIGNETICS - PML2852

MODEL : ADP-TICPAL
SOFTWARE: ATIC.EXE
FEATURES:
1. One 24-pin DIP socket
2. Supports TI - CMOS PAL range:
TICPAL16L8-55, TICPAL16R8-55,
TICPAL16R6-55, TICPAL16R4-55

MODEL : ADP-EP32
SOFTWARE:AEP32A.EXE,AEP32B.EXE,AEEP32.EXE
FEATURES:
1. Four 32-pin DIP sockets that write 4 EPROMs concurrently
2. AEP32A.EXE supports 2716, 2716B, 2732, 2732A, 2732B, 2764, 2764A, 27128, 27128A, 27256, 27256HV, 27512, 27512HV, 87C64, 87C256, 87C257, 2816, 2816A, 2817A, 2864A, 28256A.
   NMC - 27C16B, 27C32B, 27C64, 27C128, 27CP128, 27C256, 27C256B, 27512, 27512A.
3. AEP32B.EXE supports 27010, 27011, 27101, 27301, 27513, 271023, 231024 .
   FUJITSU - 271000, 271001.
   NEC - 271000, 271001, OKI - 271000.
   TOSHIBA - 271000, 271001, TC532000, TC534000, TC572000, TC574000.
4. AEEP32.EXE supports 2804 to 28C010, 28F256 to 28F020, 29C256 to 29C040
5. Writes 4 pieces of 27C256 in 52 seconds.

MODEL : ADP-EP32S
SOFTWARE: AEP32SA.EXE, AEP32SB.EXE
FEATURES:
1. Four 32-pin DIP sockets with special split/separate programming modes
2. AEP32SA.EXE supports 2716, 2716B, 2732, 2732A, 2732B, 2764, 2764A, 27128, 27128A, 27256, 27256HV, 27512, 27512HV, 87C64, 87C256, 87C257, 2864A, 28256A, 2816, 2816A, 2817A,
   NMC - 27C16B, 27C32B, 27C64, 27C128, 27CP128, 27C256, 27C256B, 27512, 27512A
3. AEP32SB.EXE supports 27010, 27011, 27301, 27C020, 27C040, 271023, 231024.
   FUJITSU - 271000, 271001
   NEC - 271000, 271001, 27C2001, 27C4001, 271000A, 271001A,.
   OKI - 271000
   TOSHIBA - 271000, 271001, 532000, 534000, 541000, 541001, 571000, 571001, 572000, 574000.
   WSI - WS27C010C, WS27C010F,
4. Programming modes:
   4.1 Normal - program 4 EPROMs with the same data
   4.2 EVEN - program 4 EPROMs with the even byte data; ODD - program 4 EPROMs with the odd byte data
   4.3 SPLIT2 - program EPROMs #1, #3 with the even byte data, #2, #4 with the odd byte data; SPLIT4 program EPROM #1 with the 1st byte of 32-bit data, #2 with the 2nd byte of 32-bit data, #3 with the 3rd byte of 32- bit data, #4 with the 4th byte of 32-bit data.
   4.4 DIVID2 - program EPROMs #1, #3 with the lower half portion data #2, #4 with the upper half portion data; DIVID4 - program EPROMs #1 with the 1st quarter portion data, #2 with the 2nd quarter portion data, #3 with the 3rd quarter portion data, #4 with the 4th quarter portion data
5. Read mode: same as the programming modes

MODEL : ADP-EP32A-PLCC
SOFTWARE: AEP32A.EXE, AEEP32.EXE
FEATURES:
1. Four 32-pin PLCC sockets that write 4 EPROMs concurrently
2. AEP32A.EXE Supports 2716, 2732, 2732A, 2732B, 2764, 2764A, 27128, 27128A, 27256, 27256HV, 27512, 27512HV, 87C64, 87C256, 2864A, 28256A, 2816, 2816A, 2817A
   NMC - 27C16B, 27C32B, 27C64, 27C128, 27CP128, 27C256, 27C256B, 27512, 27512A
3. AEEP32.EXE supports 2804 to 28C256, 29C256
4. The pins not connected are: 1, 12, 17, 26

MODEL : ADP-EP32B-PLCC
SOFTWARE: AEP32B.EXE, AEEP32.EXE
FEATURES:
1. Four 32-pin PLCC sockets that write 4 EPROMs concurrently
2. AEP32B.EXE supports 27010, 27011, 27101, 27301, 27513, 271023,231024.
   FUJITSU - 271000, 271001, NEC - 271000, 271001,
   OKI - 271001, TOSHIBA - 271000, 271001
   TC - TC532000, TC534000, TC572000, TC574000,
3. AEEP32.EXE supports 28C512 to 28C010, 29C257 to 29C040, 28F256 to 28F020

MODEL : ADP-EP40
SOFTWARE: AEP40.EXE
FEATURES:
1. Four 40-pin sockets that write 4 EPROMs concurrently
2. Supports 27C202, 27C220, 27C240, 27C4096, 27210, 271024.
3. Writes 4 pieces of 27210 in 47 seconds.

MODEL : ADP-EP40-PLCC
SOFTWARE: AEP40.EXE
FEATURES:
1. Four 44-pin PLCC sockets taht write 4 EPROMs concurrently
2. Supports 27202, 27210, 271024
3. The pins not connected are: 1, 13, 23, 33

MODEL : ADP-48F
SOFTWARE: A48F.EXE
FEATURES:
1. Four 40-pin DIP sockets that write four 8748 series ICs concurrently
2. Supports 8741A, 8741AH, 8742, 8742H, 8750H, 8748, 8748H, 8748AH, 8749H, 8749AH.
3. Writes 4 pieces of 8748 in 16 seconds

MODEL : ADP-51F
SOFTWARE: A51F.EXE
FEATURES:
1. Four 40-pin DIP sockets that write four 8751 series ICs concurrently
2. Supports AMD - 8751H, 8753H, 87C51, 87C521, 87C541, 87C52T2 .
   INTEL - 8744/H, 8751/H, 8751BH, 8752/H, 8752BH, 87C51, 87C51FA, 87C51FB, 87C252.
   SIGNETICS - 87C51, 87C52, 87C528. 87C652, 87C654.
3. Writes 4 pieces of 87C51 in 25 seconds.

MODEL : ADP-51F-PL
SOFTWARE: A51F.EXE
FEATURES:
1. Four 44-pin PLCC sockets that write four 8751 series IC
2. Supports AMD - 8751H, 8753H 87C51, 87C521, 87C541, 87C52T2
   INTEL - 8744/44H, 8751/51H, 8752/52H, 8751BH, 8752BH, 87C51, 87C252, 87C51FA, 87C58, 87C51FB, 87C51FC, 87C51FX code, 87C54,
   SIGNETICS - 87C51, 87C52, 87C528, 87C652, 87C654

MODEL : ADP-GAL16V8
SOFTWARE: A16V8.EXE
FEATURES:
1. Four 24-pin DIP sockets that write four GAL16V8 concurrently
2. Supports LATTICE - GAL16V8A/B/B-7,
   NS - GAL16-V8A/QS/-7,
   SGS-THOMSON - GAL16V8/A/A5.
3. Writes 4 pieces of GAL16V8 in 5 seconds.

MODEL : ADP-GAL20V8
SOFTWARE: A20V8.EXE
FEATURES:
1. Four 24-pin DIP sockets that write four GAL20V8 concurrently .
2. Supports LATTICE-GAL20V8A/B/B-7,
   NS - GAL-20V8A/QS/-7,
   SGS-THOMSON - GAL20V8A/AS .
3. Writes 4 pieces of GAL20V8 in 6 seconds.

MODEL : ADP4-GAL22V10
SOFTWARE: A22V10.EXE
FEATURES:
1. Four 24-pin DIP sockets that write four 22V10 series ICs concurrently
2. Supports LATTICE - GAL22V10/B,
   NS - GAL22V10,
   AMD - PALCE22V10H/Q/4/5, PALCE22V10Z
3. Write 4 pieces of GAL22V10 in 16 seconds
4. Writes 4 piecs of PALCE22V10 in 22 seconds

MODEL : ADP-CE16V8
SOFTWARE: ACE16V8.EXE
FEATURES:
1. Four 24-pin DIP sockets that write four PALCE16V8 concurrently
2. Supports AMD - PALCE16V8H/Q/4/5
3. writes 4 pieces of PALCE16V8 in 6 seconds.

MODEL : ADP-CE20V8
SOFTWARE: ACE20V8.EXE
FEATURES:
1. Four 24-pin DIP sockets that write four PALCE20V8 concurrently
2. Supports AMD - PALCE20V8H/Q/4/5
3. Writes 4 pieces of PALCE20V8 in 7 seconds.

MODEL : ADP-PEEL18CV8
SOFTWARE: A18CV8.EXE
FEATURES:
1. Four 24-pin DIP sockets that write four PEEL18CV8 concurrently
2. Supports ICT, AMI, GOULD, HYUNDAI - PEEL18CV8
3. Writes 4 pieces of PEEL18CV8 in 16 seconds.

MODEL : ADP4-PEEL22CV10
SOFTWARE: A22CV10.EXE
FEATURES:
1. Four 24-pin DIP sockets that write four PEEL22CV10 concurrently
2. Supports ICT, AMI, GOULD - PEEL22CV10/10A/10A+/10Z, PEEL20CG10/10A,
   SIGNETICS - PL22V10
3. Writes 4 pieces of PEEL22CV10 in 11 seconds

MODEL : ADP-N3001
SOFTWARE: AN3001.EXE
FEATURES:
1. Four 42-pin DIP sockets
2. Supports TOSHIBA 4-Mbit, 8-Mbit and 16-Mbit EPROM e.g. TOSHIBA - N3001-008, N3001-016, THA16P0100, TC574200, TC578200
   SAMSUNG - KM23C4100,
   INTEL - 27C400

MODEL : RAM-ROM16
SOFTWARE: AROM.EXE
FEATURES:
1. Battery backup RAM emulates EPROM 2716
2. Downloads 2-Kbyte data to RAM-ROM16 in 3 seconds

MODEL : RAM-ROM32
SOFTWARE: AROM.EXE
FEATURES:
1. Battery backup RAM emulates EPROM 2732
2. Downloads 4-Kbyte data to RAM-ROM32 in 5 seconds

MODEL : RAM-ROM256
SOFTWARE: AROM.EXE
FEATURES:
1. Battery backup RAM emulates EPROM 2764/27128/27256
2. Downloads 32-Kbyte data to RAM-ROM256 in 10 seconds.

MODEL : RAM-ROM512
SOFTWARE: AROM.EXE
FEATURES:
1. Battery backup RAM emulates EPROM 27512
2. Downloads 64-Kbyte data to RAM-ROM512 in 15 seconds.

MODEL : ADP-RM1
SOFTWARE: ARM1.EXE
FEATURES:
1. Two sockets, one for SIP, one for SIMM
2. Tests DRAM modules, e.g. 256K x 8, 256K x 9, 1M x 8, 1 M x 9, 4M x 8, 4M x 9

MODEL : ADP-RM1A
SOFTWARE: ARM1.EXE
FEATURES:
1. Two sockets, one for SIP, one for SIMM
2. Tests DRAM modules e.g. 256K x 8, 256K x 9, 1M x 8, 1M x 9, 4M x 8, 4M x 9

MODEL : ADP-PALTEST
SOFTWARE: PALTEST.EXE
FEATURES:
1. One 24-pin DIP socket
2. Testing adaptor of PALTEST.EXE for PLD under 24 pins, that has a propagation delay shorter than 15 ns.

(1) JP1 at 1-2:
* Supports 16L8, 16R4, 16R6, 16R8(seriesPAL,EPLDs) 20L8, 20R4, 20R6, 20R8(seriesPAL,EPLDs) 10H2, 12H6, 14H4, 16H2, 16C1, 10L8, 12L6, 14L2, 16L2, 10H8, 12H6, 14H4, 16RA8, 16A4, 16P8, 16RP8, 16RP6, 16RP4, 16X4, 12L10, 14L8, 16L6, 18L4, 20L2, 20C1, 20L10, 20X10, 20X8, 20X4, 20S10, 20RS10, 20RS8, 20RS4, 20RA10, PEEL18CV8, PEEL22CV10, GAL16V8, GAL20V8, GAL16Z8, GAL22V10, GAL20RA10
ALTERA - EP512, EP310, EP320, EP330,
INTEL - 85C244, 5AC312, 5C031, 5C032.
ATMEL - ATV750, TI-EP330

(2) JP1 at 2-3:
* Supports ALTERA - EP600, EP610, EP512, EP320, EP310
INTEL - 5C060, 85C060,
TI - EP610

MODEL : CNV-PLCC-EP512
SOFTWARE: WITHOUT
FEATURES:
1. 32-pin PLCC socket.
2. Supports all 32-pin PLCC EPROM ranging from 2764 to 27512
3. The pins not connected are: 1, 12, 17, 26

MODEL : CNV-PLCC-EP1M32
SOFTWARE: WITHOUT
FEATURES:
1. 32-pin PLCC socket.
2. Supports all 32-pin PLCC EPROM from 1 MB up

MODEL : CNV-PLCC-EP1M44
SOFTWARE: WITHOUT
FEATURES:
1. 44-pin PLCC socket.
2. Supports 44-pin PLCC EPROM: 27C1024, 27C2048, 27C4096, 27C210, 27C220, 27C240
3. The pins not connected are: 1, 13, 23, 33

MODEL : CNV-PLCC-PAL20
SOFTWARE: WITHOUT
FEATURES:
1. 20-pin PLCC socket
2. Supports 10H8/L8, 12H6/L6, 14H4/L4, 16C1, 16H2, 16L2, 16L8/N8, 16P8F, 16R4/R6/R8/RA8, 16RP4, 16RP6, 16RP8, 16X4, 16V8, 18N8, 18P8, PLS155, PLS157, PLS159
ALTERA - EP310, EP320
AMD - 23S8
CYPRESS - 18G8
SIGNETICS - PLC153, PLHS153, PLHS153B, PLS151, PLS153, PLS153A, PLS155, PLS157, PLS159, PLS159A, PLS161, PLS162, PLS163, PLUS153, PLUS153B, PLUS153D,

MODEL : CNV-PLCC-PAL28A
SOFTWARE: WITHOUT
FEATURES:
1. 28-pin PLCC socket
2. Supports 14R21, 20RP6, 20RP8, 20RP10, 20XRP10, 20X4, 20X8, 20X10, 20V8, 22P10, 22RX8, 22V10, 29MA16, 32VX10,
AMD - PLS168, PLS167, 29M16, 19MA16, 20L8FN, 20R4FN, 20R6FN, 20R8FN, 20RA10FN
SIGNETICS - PLC473, PLHS473
TI - 20R4, 20R6, 20R8, 20L8, 20L10, 20X8, 20X10, 22V10, 22VP10,
TIBPALR19L8/A, TIBPALR19R4/A,
TIBPALR19R6/A, TIBPALR19R8/A,
TIBPALT19R4/A, TIBPALT19L8/A,
TIBPALT19R6/A, TIBPALT19R8/A,
TIFPLA839M/C, TIFPLA840M/C,
TIBPLS506M/C, TIBPLS507M/C, TIB82S167BC.
3. The pins not connected are: 1, 8, 15, 22

MODEL : CNV-PLCC-PAL28B
SOFTWARE: WITHOUT
FEATURES:
1. 28-pin PLCC socket
2. Supports 6L16, 8L14, 12L10, 14L8, 16L6, 18L4, 20C1, 20C2, 20L10, 20RS4, 20RS8, 20RS10, 20S10, 20X4, 20X8, 20X10,
AMD - 20L8NL, 20R4NL, 20R6NL, 20R8NL, 20RA10NL
CYPRESS - 20G10/B
3. The pins not connected are: 5, 8, 11, 19.

MODEL : CNV-PLCC-MPU51
SOFTWARE: WITHOUT
FEATURES:
1. 44-pin PLCC socket
2.Supports 8741A, 8742, 8744, 8748, 8749H, 8751, 8752
AMD - AM9761
3. The pins not connected are: 1, 12, 23, 34

MODEL : CNV-PLCC-MPU751
SOFTWARE: WITHOUT
FEATURES:
1. 28-pin PLCC socket
2. Supports SIGNETICS - 87C751
3. The pins not connected are: 5, 10, 21, 22.

MODEL : CNV-PLCC-MPU752
SOFTWARE: WITHOUT
FEATURES:
1. 28-pin PLaCC socket
2. Supports 87C752
LATTICE - GAL26CV12/B
AMD - PALCE26V12, PALCE26V12/4, PALCE24V10

MODEL : CNV-PLCC-EP610
SOFTWARE: WITHOUT
FEATURES:
1. 28-pin PLCC socket
2. Supports ALTERA - EP600/610
3. The pins not connected are: (14,15), (1,28), 11, 19

MODEL : CNV-PLCC-EP910
SOFTWARE: WITHOUT
FEATURES:
1. 44-pin PLCC socket
2. Supports ALTERA - EP900/910, EP1210
3. The pins not connected are: (22,23), (1,44), 17, 39.

MODEL : CNV-PLCC-16L8-4
SOFTWARE: WITHOUT
FEATURES:
1. 28-pin PLCC socket
2. Supports AMD - 16L8-4, 16R4-4, 16R6-4, 16R8-4

CONVERTER GROUP

MODEL : CNV-PLCC-20L8-4
SOFTWARE: WITHOUT
FEATURES:
1. 28-pin PLCC socket
2. Supports AMD - 20L8-4, 20R4-4, 20R6-4, 20R8-4

MODEL : CNV-PLCC-68HC705
SOFTWARE: WITHOUT
FEATURES:
1. 44-pin PLCC socket
2. Supports MOTOROLA - MC68HC705C8, MC68HC805C4

MODEL : CNV-PLCC-XC1736
SOFTWARE: WITHOUT
FEATURES:
1. 20-pin PLCC socket
2. Supports 20-pin PLCC serial EEPROM XILINK - XC1736, XC1736A, XC1765
3. The pins not connected are: 1, 3, 5, 7, 9, 11, 12, 13, 15, 16, 18, 19

MODEL : CNV-PLCC-87C550
SOFTWARE : WITHOUT
FEATURES : 1. One 44-pin PLCC socket
2. Supports SIGNETICS 87C550

MODEL : CNV-PLCC-Z86E21
SOFTWARE: WITHOUT
FEATURE:
1. 44-pin PLCC socket
2. Supports ZILOG - Z86E21
3. The pins not connected are : 2, 4, 6, 8, 9, 10, 11, 28, 32, 39, 40, 41, 44

MODEL : CNV-QFP-MPU51
SOFTWARE: WITHOUT
FEATURES:
1. 44-pin QFP socket
2. Supports 8741A, 8742, 8744, 8748, 8749H, 8751, 8752
3. The pins not connected are: 1, 12, 23, 34

MODEL : CNV-SOP-EP512
SOFTWARE: WITHOUT
FEATURES:
1. 28-pin SOP, 300 mil/330 mil socket
2. Supports EPROM 28-pin SOP from 2764 to 27512

MODEL : CNV-SOP-EP1M32
SOFTWARE: WITHOUT
FEATURES:
1. 32-pin SOP, 450 mil socket
2. Supports all 32-pin SOP EPROM and EEPROM from 1MB up

MODEL : CNV-SOP-PAL20
SOFTWARE: WITHOUT
FEATURES:
1. 20-pin SOP, 300 mil socket
2. Supports 10H8, 10L8, 12H6, 12L6, 14H4, 14L4, 16C1, 16H2, 16L2, 16L8, 16N8, 16P8F, 16RP6, 16RP8, 16X4, 16V8, 16N8, 18P8, 23S8, PLS155, PLS157, PLS159, PLS153A, PLS159/A

MODEL : CNV-SOP-NDIP24
SOFTWARE: WITHOUT
FEATURES:
1. 28 pin SOP, 300 mil/330 mil socket
2. Supports NARROW WIDE DIP-24 TO SOP-24 MC68HC705J2

MODEL : CNV-SDIP-DIP28
SOFTWARE: WITHOUT
FEATURES:
1. 28 pin SDIP socket
2. Supports MC68HC705P9

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ADDITIONAL EXPANSION ADAPTORS

4/1/1993

Special Group

MODEL : ADP-ICCARD
SOFTWARE:AICCARD.EXE
FEATURES:
1. One 68-pin 2-piece type connector.
2. Supports JEIDA/PCMCIA standard memory card.

Socket Converter Group

MODEL : CNV-QFP-68HC705
SOFTWARE:A68705.EXE
FEATURES:
1. One 44-pin QFP socket.
2. Supports MOTOROLA MC68HC705C8(QFP).

PROM/MPU Group

MODEL : ADP-68HC705J2-S
SOFTWARE:A68705P.EXE
FEATURES:
1. One 28-pin SOP socket
2. Supports MOTOROLA MC68HC705J2(SOP)

MODEL: ADP-PIC17
SOFTWARE:APIC17.EXE
FEATURES:
1. One 40-pin DIP socket.
2. Supports Microchip PIC17C42.

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