

# ADAPTORS FOR PROGRAMMER



**HI-LO SYSTEMS**

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

# ADAPTORS for PROGRAMMERS

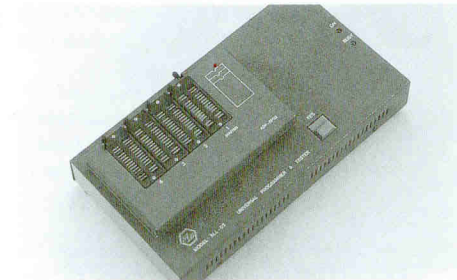
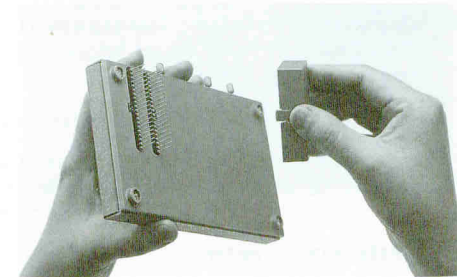
- 1. PROM/MPU Group:** for EPROM, EEPROM, BROM, MPU and the like;
- 2. PLD Group:** EPLD, GAL, PEEL, MAX, MACH and others;
- 3. Gang Socket Group:** for EPROM, MPU, GAL and PEEL, etc., in volume production;
- 4. Special Group:** Adapters with additional special functions, e.g. testing SIMM-RAM, emulating EPROM...;
- 5. PLCC Converter Group:** whose sockets are suitable for all brands of programmers.



## HOW TO OPERATE THE ADAPTOR AND CONVERTER

### 1. Install the adaptor

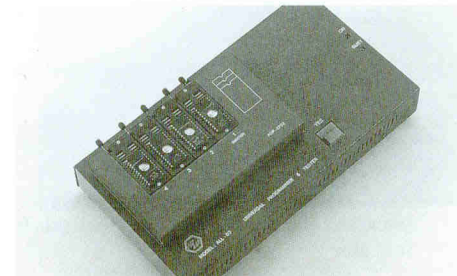
- Face the front side of the programmer module and pull the socket lever upwards to set the test socket in the loose position.
- Hold the adaptor with the test socket side up and take off the bottom protective cover by slightly pressing the cover sides; then carefully insert the bottom side of the adaptor 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.



- 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.
- 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.
- 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.



## HOW TO OPERATE THE ADAPTOR AND CONVERTER

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.

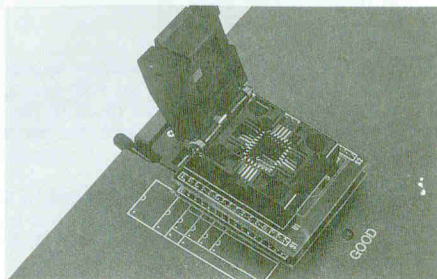
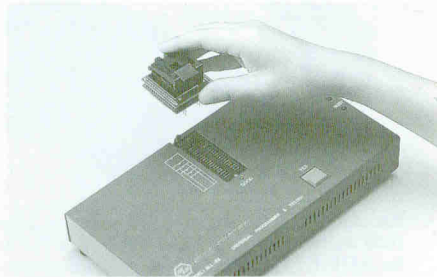
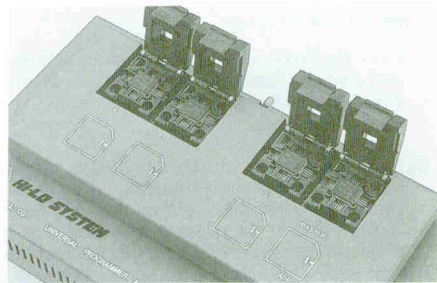
Note: The converter is supplied without software.

- 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.



## HOW TO OPERATE THE ADAPTOR AND CONVERTER

- 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 socket. Press the socket cover securely back into its position before proceeding with the programming.

### Note:

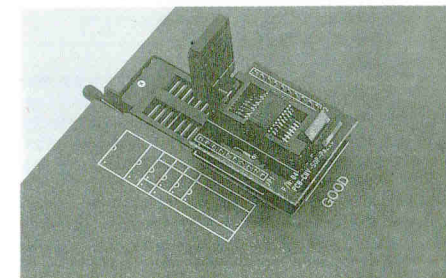
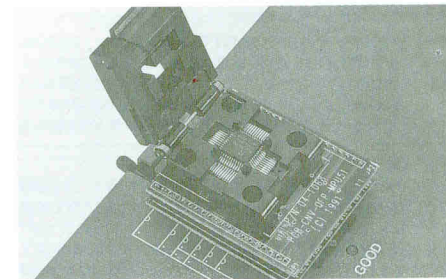
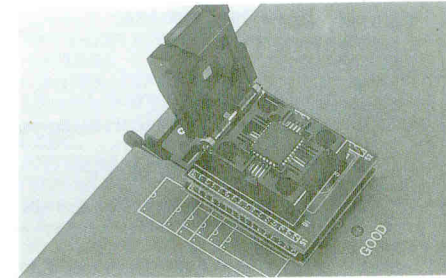
If the QFP is not firmly secured due to its thickness, adhere a layer of paper to the cover. This will secure the QFP in the socket and prevent programming defects.

#### 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.



<p><b>MODEL : ADP-PLCC-EP</b> 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</p>	<p><b>MODEL : ADP-4019</b> 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</p>
<p><b>MODEL : ADP-PLCC-51</b> 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.</p>	<p><b>MODEL : ADP-4308</b> 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</p>
<p><b>MODEL : ADP-51GB</b> SOFTWARE: A51GB.EXE FEATURES: 1. One 68-pin PLCC socket 2. Supports INTEL - 87C51GB</p>	<p><b>MODEL : ADP-4329</b> 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</p>
<p><b>MODEL : ADP-18U42</b> SOFTWARE: A18U42.EXE FEATURES: 1. One 24-pin DIP socket 2. Supports RCA - CDP18U42CD EPROM</p>	<p><b>MODEL : ADP-4618</b> 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</p>
<p><b>MODEL : ADP-054</b> SOFTWARE: A751.EXE FEATURES: 1. One 42-pin SDIP socket 2. Supports SIGNETICS - 87C054</p>	<p><b>MODEL : ADP-4618A</b> 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</p>
<p><b>MODEL : ADP-451</b> SOFTWARE: ASIGMPU.EXE FEATURES: 1. One 68-pin PLCC socket 2. Supports SIGNETICS - 87C451</p>	<p><b>MODEL : ADP-8796PGA</b> SOFTWARE: A8796.EXE FEATURES: 1. One 68-pin PGA socket 2. Supports INTEL - 8796BH/8797BH PGA type</p>
<p><b>MODEL : ADP-552</b> SOFTWARE: ASIGMPU.EXE FEATURES: 1. One 68-pin PLCC socket 2. Supports SIGNETICS - 87C552</p>	<p><b>MODEL : ADP-8796PLCC</b> 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</p>
<p><b>MODEL : ADP-552-QFP</b> SOFTWARE: ASIGMPU.EXE FEATURES: 1. One 80-pin QFP socket 2. Supports SIGNETICS - 87C552</p>	<p><b>MODEL : ADP-87C196KR</b> 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)</p>
<p><b>MODEL : ADP-751</b> SOFTWARE: A751.EXE FEATURES: 1. One 28-pin DIP socket 2. Supports SIGNETICS - 87C751, 87C752</p>	

<p><b>MODEL : ADP-87196MC</b> SOFTWARE: A8796.EXE FEATURES: 1. One 84-pin PLCC socket 2. Supports INTEL - 87C196MC</p>	<p><b>MODEL : ADP-68HC705J</b> SOFTWARE : A68705P.EXE FEATURES : 1. One 24-pin DIP socket 2. Supports MOTOROLA - MC68HC705J2</p>
<p><b>MODEL : ADP-87C198</b> SOFTWARE: A8796.EXE FEATURES: 1. One 52-pin PLCC socket 2. Supports INTEL - 87C198, 87C194</p>	<p><b>MODEL : ADP-68HC705P</b> SOFTWARE : A68705P.EXE FEATURES : 1. One 28-pin DIP socket 2. Supports MOTOROLA - MC68HC705P9</p>
<p><b>MODEL : ADP-87C592</b> SOFTWARE: ASIGMPU.EXE FEATURES: 1. One 68-pin PLCC socket 2. Supports SIGNETICS - 87C592</p>	<p><b>MODEL : ADP-68HC705R</b> SOFTWARE : A68705R.EXE FEATURES : 1. One 40-pin DIP socket 2. Supports MOTOROLA - 68HC705C8(read only) 68HC805C4(read only)</p>
<p><b>MODEL : ADP-97C100</b> SOFTWARE: A97C100.EXE FEATURES: 1. Two sockets, one 84-pin PLCC, one 80-pin QFP(B type) 2. Supports PHILIPS 97C100</p>	<p><b>MODEL : ADP-68HC711</b> SOFTWARE: A68711.EXE FEATURES: 1. One 84-pin PLCC socket 2. Supports MOTOROLA - MC68HC711K4</p>
<p><b>MODEL : ADP-63705</b> SOFTWARE: A63705.EXE FEATURES: 1. One 40-pin DIP socket 2. Supports HITACHI - HD63705V0, HD637A05V0, HD637B05V0</p>	<p><b>MODEL : ADP-68HC711D</b> SOFTWARE: A68711.EXE FEATURES: 1. Two sockets, one 40-pin DIP, one 44-pin PLCC 2. Supports MOTOROLA - MC68HC711D3</p>
<p><b>MODEL : ADP-647180</b> SOFTWARE: A647180.EXE FEATURES: 1. Two sockets, one 90-pin SDIP, one 84-pin PLCC 2. Supports HITACHI - HD647180X</p>	<p><b>MODEL : ADP-68HC711E</b> SOFTWARE: A68711.EXE FEATURES: 1. One 52-pin PLCC socket 2. Supports MOTOROLA - MC68HC711E9</p>
<p><b>MODEL : ADP-68701</b> SOFTWARE: A68701.EXE FEATURES: 1. One 40-pin DIP socket 2. Supports MOTOROLA - 68701, 68701U4</p>	<p><b>MODEL : ADP-68HC711E9-Q</b> SOFTWARE: A68711.EXE FEATURES: 1. One 64-pin QFP (A type) socket 2. Supports MOTOROLA - MC68HC711E9</p>
<p><b>MODEL : ADP-68705</b> 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,</p>	<p><b>MODEL : ADP-68HC711K4-Q</b> SOFTWARE: A68711.EXE FEATURES: 1. One 80-pin QFP (A type) socket 2. Supports MOTOROLA - MC68HC711K4</p>
<p><b>MODEL : ADP-68HC705</b> SOFTWARE: A68705.EXE FEATURES: 1. One 40-pin DIP socket 2. Supports MOTOROLA - MC68HC705C8 (MASK 0B67H, 1B67H, B44S, C11C), MC68HC805C4</p>	<p><b>MODEL : ADP-68HC811E2</b> SOFTWARE: A68811.EXE FEATURES: 1. Two sockets, one 48-pin DIP, one 52-pin PLCC 2. Supports MOTOROLA - 68HC811E2</p>

**PROM/MPU GROUP**

<p><b>MODEL : ADP-H8/325</b> 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</p>	<p><b>MODEL : ADP-TMS320E1</b> SOFTWARE: ATMS320E.EXE FEATURES: 1. One 40-pin DIP socket 2. Supports TI - TMS320E15/E17</p>
<p><b>MODEL : ADP-H8/330</b> 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</p>	<p><b>MODEL : ADP-TMS320E14</b> SOFTWARE: ATMS320E.EXE FEATURES: 1. One 68-pin PLCC socket 2. Supports TI - TMS320E14</p>
<p><b>MODEL : ADP-H8/532</b> SOFTWARE: AH8325.EXE FEATURES: 1. Two sockets, one 84-pin PLCC, one 80-pin QFP 2. Supports HITACHI single-chip microcomputer HD6475328CP:PLCC-84, HD6475328F:FP-80A, HD6475368CP:PLCC-84, HD6475368F:FP-80A</p>	<p><b>MODEL : ADP-TMS320E1P</b> SOFTWARE: ATMS320E.EXE FEATURES: 1. One 44-pin PLCC socket 2. Supports TI - TMS320E15 (PLCC) TI - TMS320E17 (PLCC)</p>
<p><b>MODEL : ADP-MB7100</b> SOFTWARE: AMB7100.EXE FEATURES: 1. One 32-pin DIP socket 2. Supports FUJITSU - MB71 series PROM</p>	<p><b>MODEL : ADP-UPD75P008</b> SOFTWARE: A75P008.EXE FEATURES: 1. One 42-pin SDIP socket 2. Supports NEC - uPD75P008</p>
<p><b>MODEL : ADP-PIC16</b> SOFTWARE: APIC16.EXE FEATURES: 1. Two sockets, one 24-pin DIP, one 32-pin DIP 2. Supports Microchip - PIC16C54, PIC16C55, PIC16C PIC16C57, PIC16C71</p>	<p><b>MODEL : ADP-UPD75P008QFP</b> SOFTWARE: A75P008.EXE FEATURES: 1. One 44-pin QFP socket 2. Supports NEC - uPD75P008 (QFP type)</p>
<p><b>MODEL : ADP-PSD301</b> SOFTWARE: APSD301.EXE FEATURES: 1. One 44-pin PLCC socket 2. Supports WSI - PSD301/311, PSD302/312, PSD303/313</p>	<p><b>MODEL : ADP-UPD75P108</b> SOFTWARE: A75P008.EXE FEATURES: 1. One 64-pin SDIP socket 2. Supports NEC - uPD75P108/B, uPD75P116</p>
<p><b>MODEL : ADP-TMP9</b> SOFTWARE: ATMP9.EXE FEATURES: 1. Two sockets, one 64-pin DIP, one 64-pin QFP 2. Supports TOSHIBA - TMP91P640E-10 TMP91P640N-10, TMP91P640F-10 TMP90PM40N, TMP90PM40F</p>	<p><b>MODEL : ADP-UPD75P108QFP</b> SOFTWARE: A75P008.EXE FEATURES: 1. Two sockets, one 64-pin SDIP, one 64-pin QFP 2. Supports NEC - uPD75P108, uPD75P116</p>
<p><b>MODEL : ADP-TMS320E</b> SOFTWARE: ATMS320E.EXE FEATURES: 1. One 68-pin PLCC socket 2. Supports TI - TMS320E25</p>	<p><b>MODEL : ADP-UPD75P308</b> SOFTWARE: A75P008.EXE FEATURES: 1. One 80-pin QFP(B type) socket 2. Supports NEC - uPD75P308</p>
<p><b>MODEL : ADP-TMS320E</b> SOFTWARE: ATMS320E.EXE FEATURES: 1. One 68-pin PLCC socket 2. Supports TI - TMS320E25</p>	<p><b>MODEL : ADP-UPD75P328</b> SOFTWARE: A75P008.EXE FEATURES: 1. One 80-pin QFP(A type) socket 2. Supports NEC - uPD75P328</p>

**PROM/MPU GROUP**

<p><b>MODEL : ADP-UPD77P56</b> SOFTWARE: A75P008.EXE FEATURES: 1. Two sockets, one 24-pin DIP, one 28-pin SOP 2. Supports NEC - uPD77P56, uPD77P57 ADPCM speech synthesizer LSIs.</p>	<p><b>MODEL : ADP-Z86E08</b> SOFTWARE: AZ86E08.EXE FEATURES: 1. One 24-pin DIP socket 2. Supports ZILOG - Z86E08</p>
<p><b>MODEL : ADP-UPD78P312</b> SOFTWARE: A78P312.EXE FEATURES: 1. One 64-pin SDIP socket 2. Supports NEC - uPD78P312A</p>	<p><b>MODEL : ADP-Z86E40</b> SOFTWARE: AZ86E40.EXE FEATURES: 1. Two sockets, one 40-pin DIP, one 44-pin PLCC 2. Supports ZILOG - Z86E40</p>
<p><b>MODEL : ADP-X2212</b> 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</p>	<p><b>MODEL : ADP-28F400P</b> SOFTWARE: A28F.EXE FEATURES: 1. One 44-pin PSOP socket 2. Supports INTEL - PA28F200BX-B, PA28F200BX-T, PA28F400BX-B, PA28F400BX-T</p>

<p><b>MODEL : ADP-PLCC-PAL</b> 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</p>	<p>FEATURES: 1. One 68-pin PGA socket 2. Supports ALTERA - EP1810-45/-55, EP1830-20/-20T</p>
<p><b>MODEL : ADP-1210</b> SOFTWARE: A1210.EXE FEATURES: 1. One 40-pin DIP socket 2. Supports ALTERA - EP1200, EP1210 series</p>	<p><b>MODEL : ADP-26CV12</b> SOFTWARE: A26CV12.EXE FEATURES: 1. One 32-pin DIP socket 2. Supports LATTICE - GAL26CV12/B, AMD - PALCE26V12 series, PALCE24V10</p>
<p><b>MODEL : ADP-1810PLCC</b> 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</p>	<p><b>MODEL : ADP-5AC324</b> SOFTWARE: A5AC324.EXE FEATURES: 1. One 40-pin DIP socket 2. Supports INTEL - EPLD 5AC324</p>
<p><b>MODEL : ADP-1810PGA</b> SOFTWARE: A1810.EXE</p>	<p><b>MODEL : ADP-7C33X</b> SOFTWARE: A7C33X.EXE FEATURES: 1. Two sockets, one 32-pin DIP, one 28-pin PLCC 2. Supports CYPRESS - CY7C330, CY7C331, CY7C332</p>
<p><b>MODEL : ADP-7C361</b> SOFTWARE: A7C361.EXE FEATURES : 1. Two sockets, one 32-pin DIP, one 28-pin PLCC 2. Supports CYPRESS - CY7C361</p>	<p><b>MODEL : ADP-7C361</b> SOFTWARE: A7C361.EXE FEATURES : 1. Two sockets, one 32-pin DIP, one 28-pin PLCC 2. Supports CYPRESS - CY7C361</p>
<p><b>MODEL : ADP-ATV2500Y</b> SOFTWARE: ATV2500.EXE FEATURES: 1. Two sockets, one 40-pin DIP, one 44-pin PLCC 2. Supports ATMEL - ATV2500 SIGNETICS - PLV2500</p>	<p><b>MODEL : ADP-ATV2500Y</b> SOFTWARE: ATV2500.EXE FEATURES: 1. Two sockets, one 40-pin DIP, one 44-pin PLCC 2. Supports ATMEL - ATV2500 SIGNETICS - PLV2500</p>
<p><b>MODEL : ADP-ATV5000</b> SOFTWARE: ATV5000.EXE FEATURES: 1. One 68-pin PLCC socket 2. Supports ATMEL - ATV5000 SIGNETICS - PLV5000</p>	<p><b>MODEL : ADP-ATV5000</b> SOFTWARE: ATV5000.EXE FEATURES: 1. One 68-pin PLCC socket 2. Supports ATMEL - ATV5000 SIGNETICS - PLV5000</p>
<p><b>MODEL : ADP-MACH</b> SOFTWARE: AMACH.EXE FEATURES: 1. One 44-pin PLCC socket 2. Supports AMD - MACH110, MACH210, MACH215</p>	<p><b>MODEL : ADP-MACH</b> SOFTWARE: AMACH.EXE FEATURES: 1. One 44-pin PLCC socket 2. Supports AMD - MACH110, MACH210, MACH215</p>
<p><b>MODEL : ADP-MACH1</b> SOFTWARE: AMACH1.EXE FEATURES : 1. One 84-pin PLCC socket 2. Supports AMD - MACH130, MACH230</p>	<p><b>MODEL : ADP-MACH1</b> SOFTWARE: AMACH1.EXE FEATURES : 1. One 84-pin PLCC socket 2. Supports AMD - MACH130, MACH230</p>
<p><b>MODEL : ADP-MACH2</b> SOFTWARE: AMACH1.EXE FEATURES : 1. One 68-pin PLCC socket 2. Supports AMD - MACH120, MACH220</p>	<p><b>MODEL : ADP-MACH2</b> SOFTWARE: AMACH1.EXE FEATURES : 1. One 68-pin PLCC socket 2. Supports AMD - MACH120, MACH220</p>

<p><b>MODEL : ADP-MAX</b> SOFTWARE: AMAX.EXE FEATURES: 1. Two sockets, one 20-pin DIP, one 32-pin DIP 2. Supports ALTERA - EPM5016, EPM5032 CYPRESS - CY7C344</p>	<p><b>MODEL : ADP-NSDPAL</b> 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,</p>
<p><b>MODEL : ADP-MAX50B</b> SOFTWARE: AMAX.EXE FEATURES: 1. One 44-pin PLCC socket 2. Supports ALTERA - EPM5064 CYPRESS - CY7C343</p>	<p><b>MODEL : ADP-PHD48N22</b> SOFTWARE: A48N22.EXE FEATURES : 1. One 68-pin PLCC socket 2. Supports SIGNETICS PHD48N22</p>
<p><b>MODEL : ADP-MAX50C</b> SOFTWARE: AMAX.EXE FEATURES: 1. One 68-pin PLCC socket 2. Supports ALTERA - EPM5128 CYPRESS - CY7C342</p>	<p><b>MODEL : ADP-PLS100</b> SOFTWARE: APLS100.EXE FEATURES: 1. One 32-pin DIP socket 2. Supports SIGNETICS - PLS100, PLS101, 82S100/101</p>
<p><b>MODEL : ADP-MAX50E</b> SOFTWARE: AMAX.EXE FEATURES: 1. One 84-pin PLCC socket 2. Supports ALTERA - EPM5192 CYPRESS - CY7C341</p>	<p><b>MODEL : ADP-PLS105</b> SOFTWARE: APLS105.EXE FEATURES: 1. One 32-pin DIP socket 2. Supports SIGNETICS - PLS104/A, PLS105/A, PLUS105/405, PLC415, TI - TIB82S105A/B</p>
<p><b>MODEL : ADP-MAX-PL</b> SOFTWARE: AMAX.EXE FEATURES: 1. Two sockets, one 20-pin PLCC, one 28-pin PLCC 2. Supports ALTERA - EPM5016, EPM5032 CYPRESS - CY7C344</p>	<p><b>MODEL : ADP-PLHS473</b> SOFTWARE: APLS473.EXE FEATURES: 1. One 32-pin DIP socket 2. Supports SIGNETICS - PLHS473</p>
<p><b>MODEL : ADP-EPM7032</b> SOFTWARE: AMAX70.EXE FEATURES: 1. One 44-pin PLCC socket 2. Supports ALTERA - EPM7032</p>	<p><b>MODEL : ADP-PML2552</b> SOFTWARE: A2552.EXE FEATURES: 1. One 68-pin PLCC socket 2. Supports SIGNETICS - PML2552</p>
<p><b>MODEL : ADP-MAPL128</b> SOFTWARE: AMAPL.EXE FEATURES: 1. One 28-pin PLCC socket 2. Supports NS - MAPL128 IC</p>	<p><b>MODEL : ADP-PML2852</b> SOFTWARE: A2852.EXE FEATURES: 1. One 84-pin PLCC socket 2. Supports SIGNETICS - PML2852</p>
<p><b>MODEL : ADP-MAPL144</b> SOFTWARE: AMAPL.EXE FEATURES: 1. One 44-pin PLCC socket 2. Supports NS MAPL144</p>	<p><b>MODEL : ADP-TICPAL</b> SOFTWARE: ATIC.EXE FEATURES: 1. One 24-pin DIP socket 2. Supports TI - CMOS PAL range: TICPAL16L8-55, TICPAL16R8-55, TICPAL16R6-55, TICPAL16R4-55</p>

<p><b>MODEL : ADP-EP32</b> 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, TCS32000, TCS34000, TCS72000, TCS74000. 4. AEEP32.EXE supports 2804 to 28C010, 28F256 to 28F020, 29C256 to 29C040 5. Writes 4 pieces of 27C256 in 52 seconds.</p>	<p>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</p>	<p><b>MODEL : ADP-51F</b> 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.</p>	<p>AMD - PALCE22V10H/Q/4/5, PALCE22V10Z 3. Write 4 pieces of GAL22V10 in 16 seconds 4. Writes 4 pieces of PALCE22V10 in 22 seconds</p>
<p><b>MODEL : ADP-EP32S</b> 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, 27101, 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</p>	<p><b>MODEL : ADP-EP32A-PLCC</b> 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</p>	<p><b>MODEL : ADP-51F-PL</b> 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, 87C541, 87C52, 87C528, 87C652, 87C654</p>	<p><b>MODEL : ADP-CE16V8</b> 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.</p>
<p><b>MODEL : ADP-EP40</b> SOFTWARE: AEP40.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 - TCS32000, TCS34000, TCS72000, TCS74000, 3. AEEP32.EXE supports 28C512 to 28C010, 29C257 to 29C040, 28F256 to 28F020</p>	<p><b>MODEL : ADP-EP32B-PLCC</b> 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 - TCS32000, TCS34000, TCS72000, TCS74000, 3. AEEP32.EXE supports 28C512 to 28C010, 29C257 to 29C040, 28F256 to 28F020</p>	<p><b>MODEL : ADP-GAL16V8</b> 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/AS. 3. Writes 4 pieces of GAL16V8 in 5 seconds.</p>	<p><b>MODEL : ADP-CE20V8</b> 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.</p>
<p><b>MODEL : ADP-EP40-PLCC</b> SOFTWARE: AEP40.EXE FEATURES: 1. Four 44-pin PLCC sockets taht write 4 EPROMs concurrently 2. Supports 27202, 27220, 27C240, 27C4096, 27210, 271024. 3. Writes 4 pieces of 27210 in 47 seconds.</p>	<p><b>MODEL : ADP-EP40</b> 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.</p>	<p><b>MODEL : ADP-GAL20V8</b> 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.</p>	<p><b>MODEL : ADP-PEEL18CV8</b> 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.</p>
<p><b>MODEL : ADP-N3001</b> 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, TCS74200, TCS78200 SAMSUNG - KM23C4100, INTEL - 27C400</p>	<p><b>MODEL : ADP-EP40-PLCC</b> 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</p>	<p><b>MODEL : ADP4-GAL22V10</b> SOFTWARE: A22V10.EXE FEATURES: 1. Four 24-pin DIP sockets that write four 22V10 series ICs concurrently 2. Supports LATTICE - GAL22V10/B, NS - GAL22V10, 3. Writes 4 pieces of 8748 in 16 seconds</p>	<p><b>MODEL : ADP4-PEEL22CV10</b> 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</p>

**SPECIAL GROUP**

<p><b>MODEL : RAM-ROM16</b> SOFTWARE: AROM.EXE FEATURES: 1. Battery backup RAM emulates EPROM 2716 2. Downloads 2-Kbyte data to RAM-ROM16 in 3 seconds</p>	<p><b>MODEL : ADP-RM1A</b> 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</p>
<p><b>MODEL : RAM-ROM32</b> SOFTWARE: AROM.EXE FEATURES: 1. Battery backup RAM emulates EPROM 2732 2. Downloads 4-Kbyte data to RAM-ROM32 in 5 seconds</p>	<p><b>MODEL : ADP-PALTEST</b> 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</p>
<p><b>MODEL : RAM-ROM256</b> SOFTWARE: AROM.EXE FEATURES: 1. Battery backup RAM emulates EPROM 2764/27128/27256 2. Downloads 32-Kbyte data to RAM-ROM256 in 10 seconds.</p>	
<p><b>MODEL : RAM-ROM512</b> SOFTWARE: AROM.EXE FEATURES: 1. Battery backup RAM emulates EPROM 27512 2. Downloads 64-Kbyte data to RAM-ROM512 in 15 seconds.</p>	
<p><b>MODEL : ADP-RM1</b> SOFTWARE: ARML1EXE 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</p>	

**CONVERTER GROUP**

<p><b>MODEL : CNV-PLCC-EP512</b> 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</p>	<p><b>MODEL : CNV-PLCC-PAL28B</b> 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.</p>
<p><b>MODEL : CNV-PLCC-EP1M32</b> SOFTWARE: WITHOUT FEATURES: 1. 32-pin PLCC socket. 2. Supports all 32-pin PLCC EPROM from 1 MB up</p>	<p><b>MODEL : CNV-PLCC-MPU51</b> 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</p>
<p><b>MODEL : CNV-PLCC-EP1M44</b> 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</p>	<p><b>MODEL : CNV-PLCC-MPU751</b> SOFTWARE: WITHOUT FEATURES: 1. 28-pin PLCC socket 2. Supports SIGNETICS - 87C751 3. The pins not connected are: 5, 10, 21, 22.</p>
<p><b>MODEL : CNV-PLCC-PAL20</b> 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,</p>	<p><b>MODEL : CNV-PLCC-MPU752</b> SOFTWARE: WITHOUT FEATURES: 1. 28-pin PLCC socket 2. Supports 87C752 LATTICE - GAL26CV12/B AMD - PALCE26V12, PALCE26V12/4, PALCE24V10</p>
<p><b>MODEL : CNV-PLCC-PAL28A</b> 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</p>	<p><b>MODEL : CNV-PLCC-EP610</b> 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</p>
	<p><b>MODEL : CNV-PLCC-EP910</b> 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.</p>
	<p><b>MODEL : CNV-PLCC-16L8-4</b> SOFTWARE: WITHOUT FEATURES: 1. 28-pin PLCC socket 2. Supports AMD - 16L8-4, 16R4-4, 16R6-4, 16R8-4</p>

## CONVERTER GROUP

<p><b>MODEL : CNV-PLCC-20L8-4</b> SOFTWARE: WITHOUT FEATURES: 1. 28-pin PLCC socket 2. Supports AMD - 20L8-4, 20R4-4, 20R6-4, 20R8-4</p>	<p>1. 44-pin QFP socket 2. Supports 8741A, 8742, 8744, 8748, 8749H, 8751, 8752 3. The pins not connected are: 1, 12, 23, 34</p>
<p><b>MODEL : CNV-PLCC-68HC705</b> SOFTWARE: WITHOUT FEATURES: 1. 44-pin PLCC socket 2. Supports MOTOROLA - MC68HC705C8, MC68HC805C4</p>	<p><b>MODEL : CNV-SOP-EP512</b> SOFTWARE: WITHOUT FEATURES: 1. 28-pin SOP, 300 mil/330 mil socket 2. Supports EPROM 28-pin SOP from 2764 to 27512</p>
<p><b>MODEL : CNV-PLCC-XC1736</b> 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</p>	<p><b>MODEL : CNV-SOP-EP1M32</b> SOFTWARE: WITHOUT FEATURES: 1. 32-pin SOP, 450 mil socket 2. Supports all 32-pin SOP EPROM and EEPROM from 1MB up</p>
<p><b>MODEL : CNV-PLCC-87C550</b> SOFTWARE: WITHOUT FEATURES : 1. One 44-pin PLCC socket 2. Supports SIGNETICS 87C550</p>	<p><b>MODEL : CNV-SOP-PAL20</b> 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</p>
<p><b>MODEL : CNV-PLCC-Z86E21</b> 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</p>	<p><b>MODEL : CNV-SOP-NDIP24</b> SOFTWARE: WITHOUT FEATURES: 1. 28 pin SOP, 300 mil/330 mil socket 2. Supports NARROW WIDE DIP-24 TO SOP-24 MC68HC705J2</p>
<p><b>MODEL : CNV-QFP-MPU51</b> SOFTWARE: WITHOUT FEATURES:</p>	<p><b>MODEL : CNV-SDIP-DIP28</b> SOFTWARE: WITHOUT FEATURES: 1. 28 pin SDIP socket 2. Supports MC68HC705P9</p>

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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-PCI17  
 SOFTWARE:APIC17.EXE  
 FEATURES:  
 1. One 40-pin DIP socket.  
 2. Supports Microchip PIC17C42.