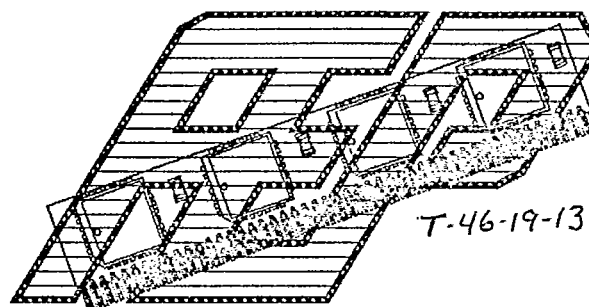


- >>Featuring:
88 independent inputs
40 independent outputs (I/Os)
- >>Independent VCC to each device allowing on board programming
- >>Space saving vertical mounting orientation
- >>0.070 inch center spaced ZIP leads for maximum I/O in minimum area
- >>Uses single +5V power supply
- >>High speed, low power CMOS version available
- >>Available in 88 line erasable programmable array logic module (AEPAL88B-22V10E)
- >>Available in 72 line programmable array logic module (0.1 ZIP lead), featuring:
72 independent input
36 independent output (I/Os)
4 common control inputs



88 LINE PROGRAMMABLE ARRAY LOGIC MODULE

DESCRIPTION:

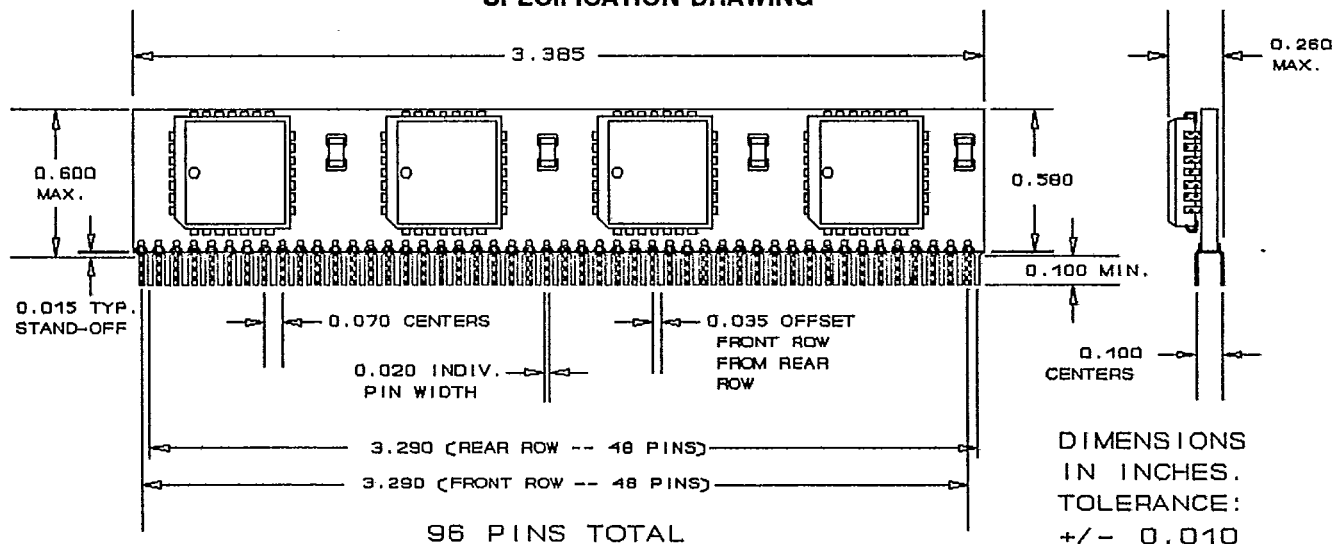
The AEPAL88B-22V10 is a convenient, space saving packaging solution for multiple Programmable Array Logic device installations. Four 22V10 type PAL devices are mounted in a vertical orientation to the main board. This, along with the compact I/O pin footprint, makes the module superb for projects with tight board-area constraints.

All logic inputs and outputs as well as the VCC line are brought out independently from each device. Only the ground is common on the module. This allows for the flexibility of programming the devices either before or after they are mounted on the substrate.

Physically the module consists of an FR4 material substrate mounted with the four PAL devices plus four 0.18 microfarad decoupling capacitors and 96 I/O pins in a staggered ZIP format.

Though designed specifically to use the 22V10, any other PAL type device available in Plastic Leaded Chip Carrier packages and pin-compatible with the 22V10 will work on the module. This includes a variety of TTL and CMOS compatible devices with different input and output configurations. Naturally the electrical characteristics will be determined by the particular devices used.

SPECIFICATION DRAWING



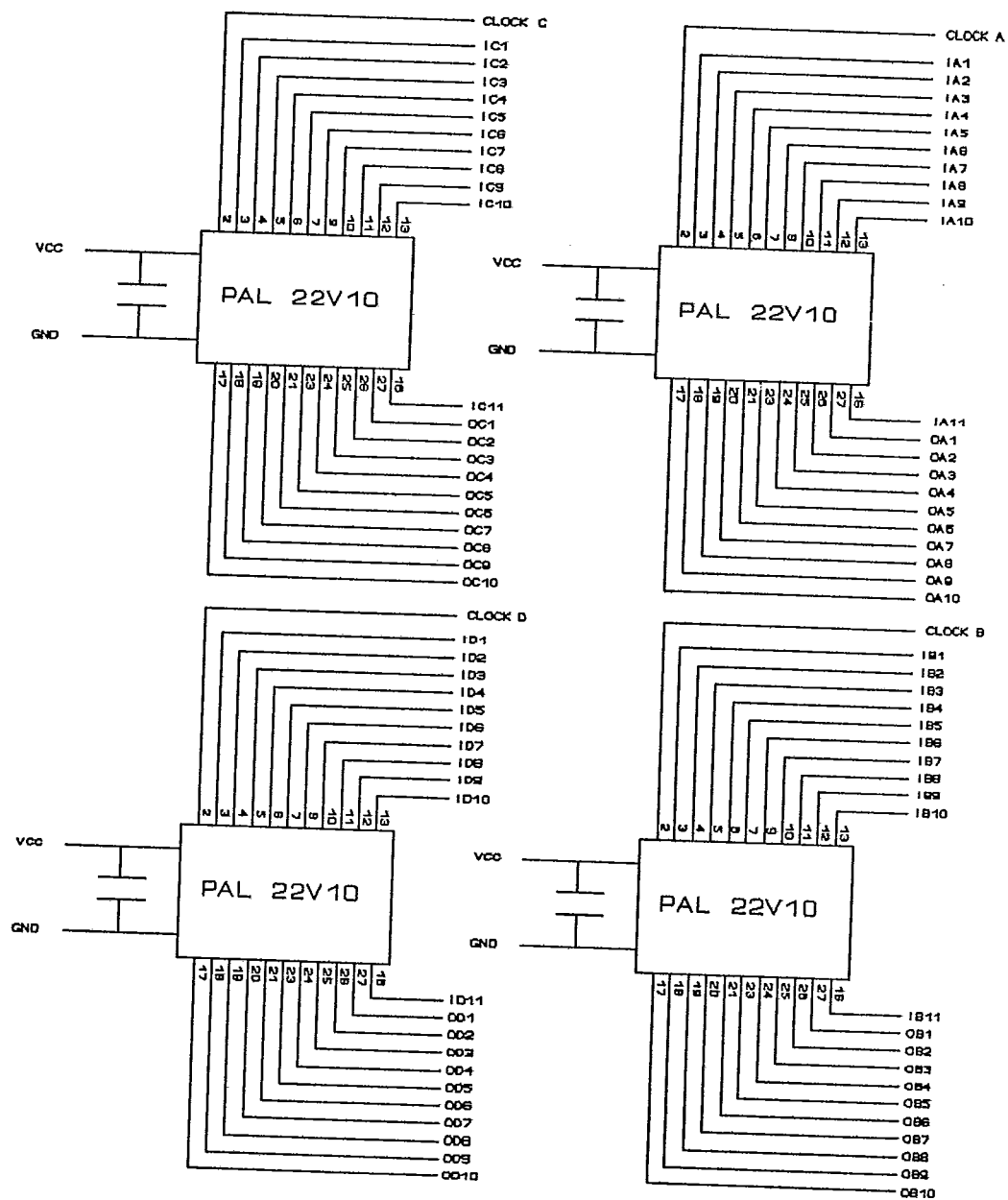
ADVANCED ELECTRONIC PACKAGING

PIN CONFIGURATION (TOP VIEW)

88 LINE PROGRAMMABLE ARRAY LOGIC MODULE
FUNCTIONAL DIAGRAM

T-46-19-13

PIN #s	
CLKA -- 1	2 - VCCA
IA ₁ -- 3	4 - OA ₁
IA ₂ -- 5	6 - OA ₂
IA ₃ -- 7	8 - OA ₃
IA ₄ -- 9	10 - OA ₄
IA ₅ -- 11	12 - OA ₅
IA ₆ -- 13	14 - OA ₆
IA ₇ -- 15	16 - OA ₇
IA ₈ -- 17	18 - OA ₈
IA ₉ -- 19	20 - OA ₉
IA ₁₀ -- 21	22 - OA ₁₀
IA ₁₁ -- 23	24 - GNDA
CLKB -- 25	26 - VCCB
IB ₁ -- 27	28 - OB ₁
IB ₂ -- 29	30 - OB ₂
IB ₃ -- 31	32 - OB ₃
IB ₄ -- 33	34 - OB ₄
IB ₅ -- 35	36 - OB ₅
IB ₆ -- 37	38 - OB ₆
IB ₇ -- 39	40 - OB ₇
IB ₈ -- 41	42 - OB ₈
IB ₉ -- 43	44 - OB ₉
IB ₁₀ -- 45	46 - OB ₁₀
IB ₁₁ -- 47	48 - GNDB
CLKC -- 49	50 - VCCC
IC ₁ -- 51	52 - OC ₁
IC ₂ -- 53	54 - OC ₂
IC ₃ -- 55	56 - OC ₃
IC ₄ -- 57	58 - OC ₄
IC ₅ -- 59	60 - OC ₅
IC ₆ -- 61	62 - OC ₆
IC ₇ -- 63	64 - OC ₇
IC ₈ -- 65	66 - OC ₈
IC ₉ -- 67	68 - OC ₉
IC ₁₀ -- 69	70 - OC ₁₀
IC ₁₁ -- 71	72 - GNDC
CLKD -- 73	74 - VCCD
ID ₁ -- 75	76 - OD ₁
ID ₂ -- 77	78 - OD ₂
ID ₃ -- 79	80 - OD ₃
ID ₄ -- 81	82 - OD ₄
ID ₅ -- 83	84 - OD ₅
ID ₆ -- 85	86 - OD ₆
ID ₇ -- 87	88 - OD ₇
ID ₈ -- 89	90 - OD ₈
ID ₉ -- 91	92 - OD ₉
ID ₁₀ -- 93	94 - OD ₁₀
ID ₁₁ -- 95	96 - GNDD



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