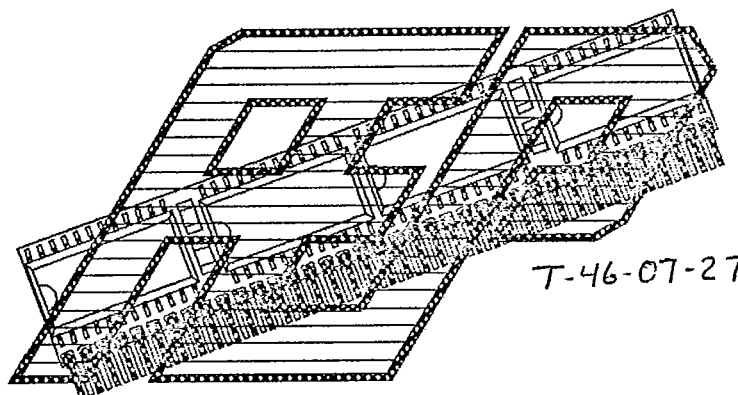


- >> 32 bit bus interface register,
non-inverting or inverting.
- >> High density .070 center
spaced ZIP leads for maximum
I/O in minimum area.
- >> Space saving vertical
mounting orientation.
- >> Convenient "in one side, out
the other" broadside pin-out.
- >> TTL compatible
- >> Uses single +5V power supply



32 LINE REGISTER MODULE

DESCRIPTION:

The AEPRZ32 is a high speed, high density 32-line register module ideal for use with 16 or 32-bit wide address/data paths or buses. It combines the advantages of the 825 (non-inverting) or 826 (inverting) type buffered register ICs with very large data widths and a board-space saving configuration. The vertical mounting orientation and compact I/O pin footprint make it superb for projects with tight space constraints.

Physically the module consists of an FR4 PC material substrate mounted with four 825 or 826 type register ICs, four 0.10 microfarad decoupling capacitors, and 75 I/O pins in a staggered ZIP package format. It can be ordered with any 825 or 826 type register made by any manufacturer producing them in a 24 pin SOP package. The module features two Clock Enables, EN, and two Output Enables, OE, controlling two sets of sixteen outputs. An overall Output Enable, a Master Reset and a Clock input are also used. All control signals except the Clock input are active LOW.

Performance specifications and electrical characteristics are determined by the IC devices used. These items can vary according to the type and manufacturer of the components. The necessary information is obtained from the IC vendors' data sheets, like those attached, or from their data books.

Mechanical dimensions are 0.505 inch high by 2.66 inches long by 0.22 inch wide. The I/O pins are in two rows which are 0.1 inch apart and offset longitudinally 0.035 inch. In each row the pins are on 0.070 inch center spacing. See included specification drawing.

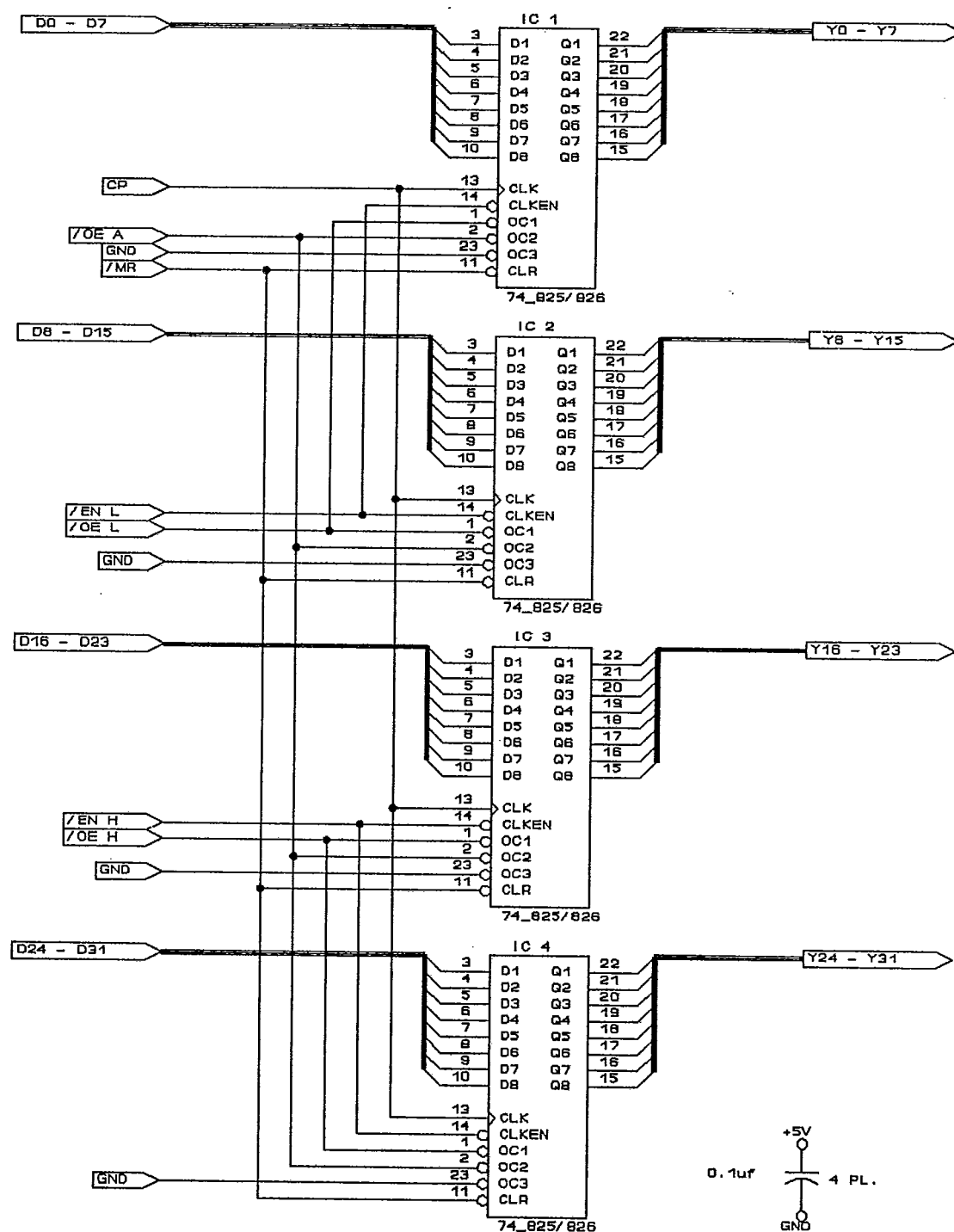
The AEPRZ32 is one of a family of digital circuit support function modules which includes a 32 line buffer, a 32 line transceiver, and a 32 line latch module. These are natural companions for AEP memory modules.



AEPRZ32
32 LINE SUPPORT MODULE

32 LINE REGISTER MODULE
AEPRZ32
FUNCTIONAL DIAGRAM

T-46-07-27



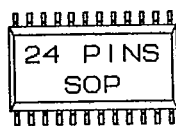
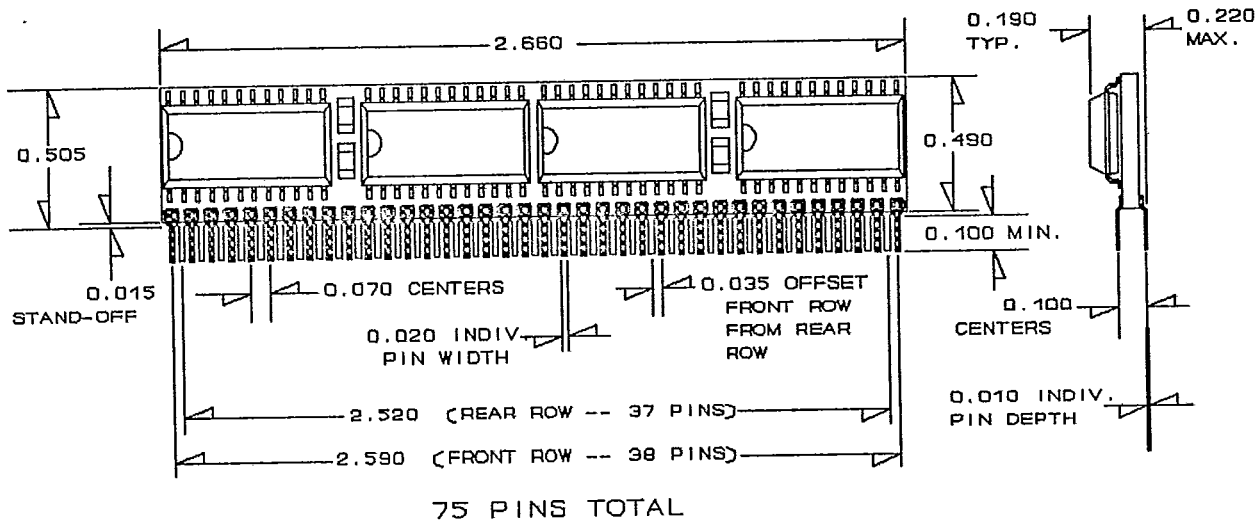
ADVANCED ELECTRONIC PACKAGING

T-90-20

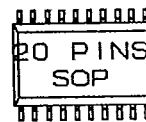
AEP 32 LINE MODULE SERIES PACKAGING INFORMATION

SPECIFICATION DRAWING

APPLY TO: BZ, LZ, RZ, TZ, SRZ, TRZ, CZ

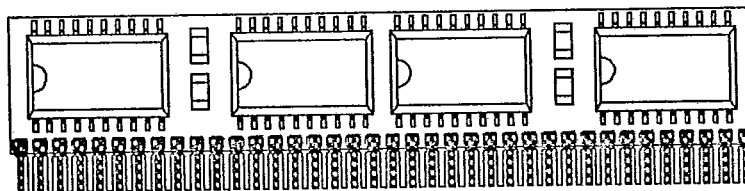
DIMENSIONS IN INCHES, TOLERANCE: ± 0.010 UNLESS SPECIFIED.

IC FOR LZ
RZ
SRZ
TRZ



IC FOR BZ
CZ
TZ

** MODULE DIMENSIONS REMAIN UNCHANGE.

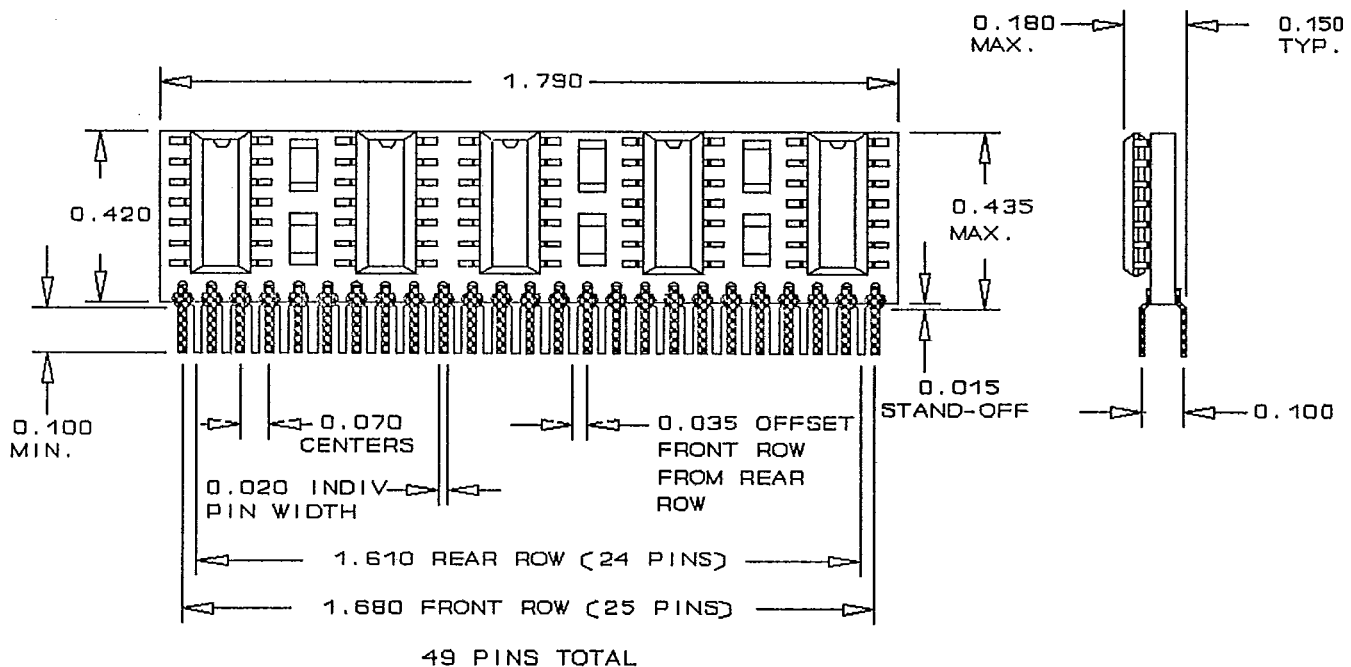


ADVANCED ELECTRONIC PACKAGING

AEP 32 LINE SUPPORT MODULE SERIES PARITY GENERATOR/CHECKER PACKAGING INFORMATION

APPLY TO: PZ-286, PZ-280

DIMENSIONS IN INCHES, TOLERANCE: ± 0.010 UNLESS SPECIFIED.



The AEPPZ32-280 uses only one pull up resistor and 3 capacitors.
The AEPPZ32-286 uses three pull up resistors and 3 capacitors.



ADVANCED ELECTRONIC PACKAGING