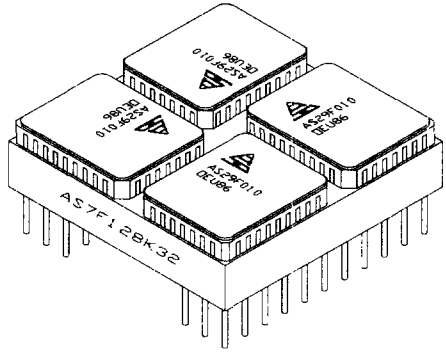
128Kx32 FLASH MODULE

ADVANCED

FEATURES

- Access times of 55, 70, 90ns
- Built in decoupling caps for low noise operation
- Organized as 128Kx32; User configurable as 256Kx16 or 512Kx8
- Operation with single 5 volt supply
- Low power CMOS
- TTL Compatible Inputs and Outputs
- Packaging
  66 pin PGA type 1.10 inch square
  68 lead J leaded LCC
  68 lead quad flatpack

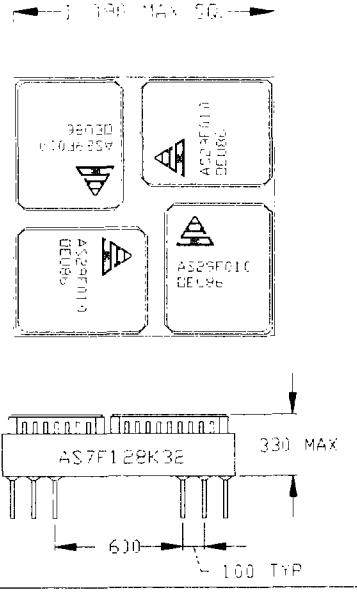


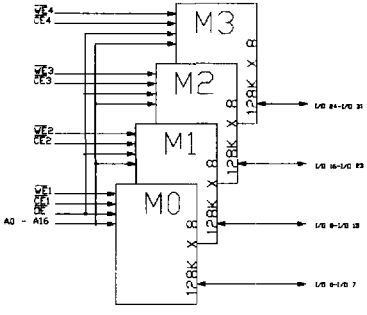
GENERAL DESCRIPTION

The Austin Semiconductor, Inc. AS7F128K32 is a 4 Megabit CMOS FLASH Module organized as 128Kx32-bits and user configurable to 256Kx16 or 512Kx8. Built with AM29F010 128Kx8 components, the AS7F128K32 is capable of Full 883 compliance. The AS7F128K32 achieves high speed access, low power consumption with 5.0 volt-only sector erase and high reliability by employing advanced CMOS memory technology.

The military grade product is manufactured in compliance with the latest revision of MIL-STD 883, making the AS7F128K32P25M ideally suited for military applications.

The AS7F128K32 module is constructed using a 1.1 sq inch ceramic pin grid array substrate. This compact layout reduces space requirements for board assembly to a minimum for hi rel military and space applications.





PIN CONFIGURATION

I/O8	1	$\overline{WE}$	12	I/O15	23		I/O24	34	VCC	45	I/O31	56
I/O9	2	$\overline{CE2}$	13	I/O14	24		I/O25	35	$\overline{CE4}$	46	I/O30	57
I/O10	3	GND	14	I/O13	25		I/O26	36	$\overline{WE4}$	47	I/O29	58
A13	4	I/O11	15	I/O12	26		A6	37	I/O27	48	I/O28	59
A14	5	A10	16	$\overline{OE}$	27		A7	38	A3	49	AO	60
NC	8	VCC	19	I/O7	30		A9	41	$\overline{WE3}$	52	I/O23	63
I/O0	9	$\overline{CE1}$	20	I/O6	31		I/O16	42	$\overline{CE3}$	53	I/O22	64
I/O1	10	NC	21	I/O5	32		I/O17	43	GND	54	I/O21	65
I/O2	11	I/O3	22	I/O4	33		I/O18	44	I/O19	55	I/O20	66