

MICROTECH

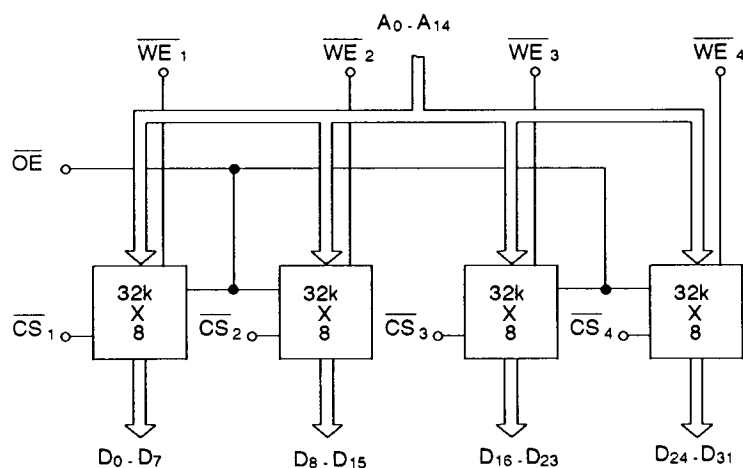
μT8E128

μT8 series 128k - Byte E² PROM module

Features

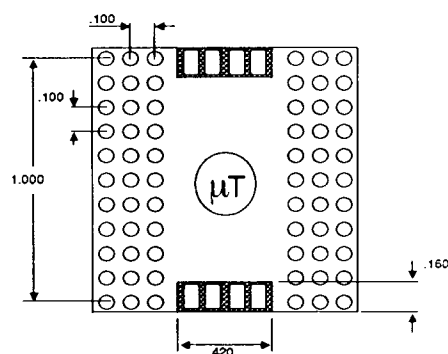
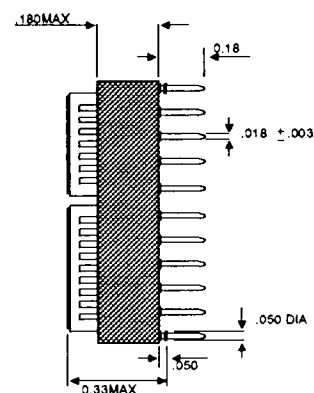
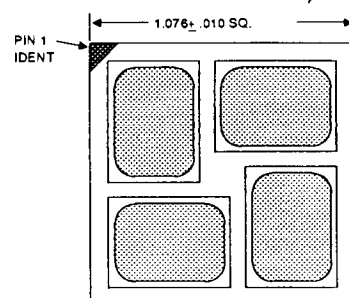
- User selectable path width - 8, 16 or 32 bits
- Single 5V power supply
- Fast access times - 250/300/350ns
- Full military temperature range
- On chip timer - automatic erase before write
- On-board decoupling capacitors
- 10 year data retention
- BS9400 approval pending
- TTL compatible inputs and outputs

Block Diagram

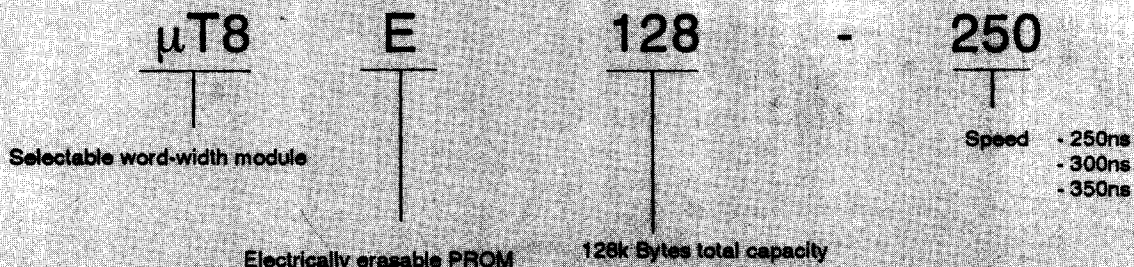


Package Details

(Dimensions in inches)



Ordering Information



Mode Selection

MODE	$\overline{CS}$	$\overline{OE}$	$\overline{WE}$	V _{CC}	OUTPUTS
Standby	V _{IH}	X	X	V _{CC}	High Z
Write inhibit	X	X V _{IL}	V _{IH} X	V _{CC}	High Z/Dout
Read	V _{IL}	V _{IL}	V _{IH}	V _{CC}	Dout
Write	V _{IL}	V _{IH}	V _{IL}	V _{CC}	Din
Chip erase	V _{IL}	12V	V _{IL}	V _{CC}	X

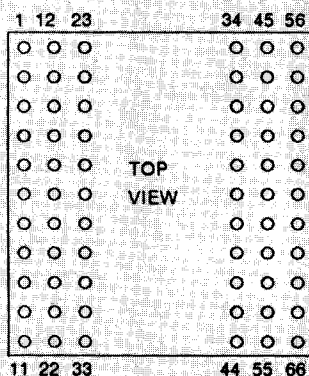
Read Cycle (Over full temperature range)

(All units in ns)

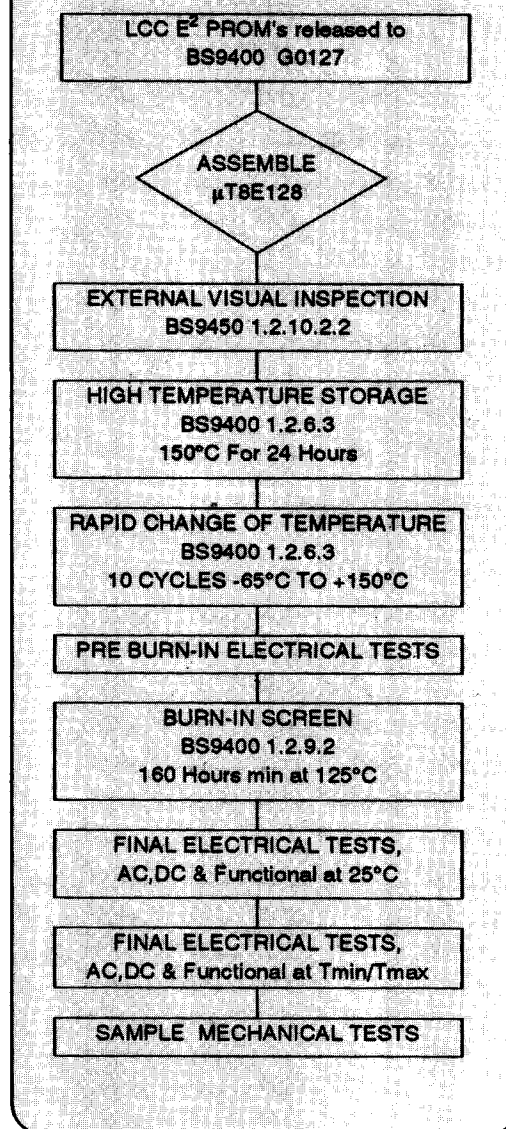
Item	Symbol	-250		-300		-350	
		min.	max.	min.	max.	min.	max.
Read Cycle Time	t _{RC}	250	-	300	-	350	-
Address Access Time	t _{AA}	-	250	-	300	-	350
Chip Select Access Time	t _{ACS}	-	250	-	300	-	350
Output Enable to Output Valid	t _{OE}	-	90	-	90	-	90
Output Hold from Address Change	t _{OH}	0	-	0	-	0	-
Output or Chip Deselection to Output High Z	t _{oF}	0	60	0	80	0	80

Pin Assignments

Pin Names



A0-A14	Address Inputs
D0-D31	Data
$\overline{CS}$ 1-4	Chip Selects
$\overline{OE}$	Output Enable
$\overline{WE}$ 1-4	Write Enables
V _{CC}	Power (+5V)
GND	Ground

 μ T8
MODULE FLOW

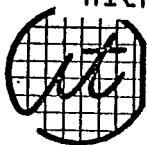
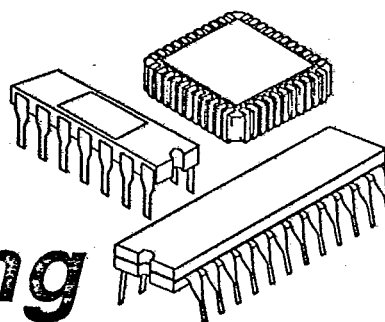
Power Consumption (Operating average)

8 bit data - 66mA maximum	32 bit data - 240mA maximum
16 bit data - 125mA maximum	Standby mode - 8mA maximum

MICROTECH

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**MICROTECH**

Custom Packaging

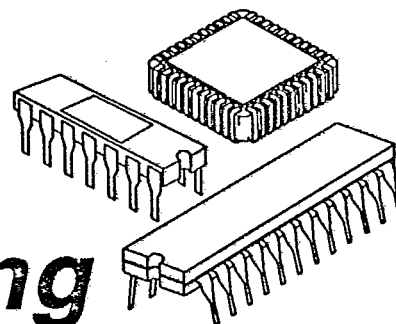
Microtech Semiconductors are leaders in Custom assembly, with our considerable expertise in production and test, we can satisfy the most complex requirement.

We are equipped to assemble virtually any hermetic package style - LCC, JLCC, Quad Pack, PGA & SOT 23 to name but a few. Using proven techniques, such as multichip or multicavity design, our expert engineering, with class 1000 cleanroom assembly and final test, assures quality results.

From commercial to space applications Microtech Semiconductors will support your assembly needs.

**MICROTECH**

T-90-20



Custom Packaging

Approved to CECC and BS9000, hallmarks of European quality, MICROTECH Semiconductors is totally committed to total quality. Dedicated to supporting the high-reliability equipment manufacturer, our integrated circuits are produced in Class 1000 cleanroom conditions. Final optical inspection takes place under better than Class 100 laminar flow and our impressive range of environmental and electrical test equipment ensures that we release high performance components with no compromise on reliability.

CUSTOM PACKAGING