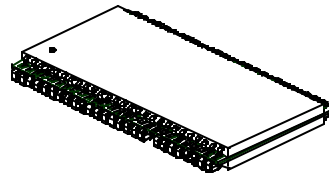
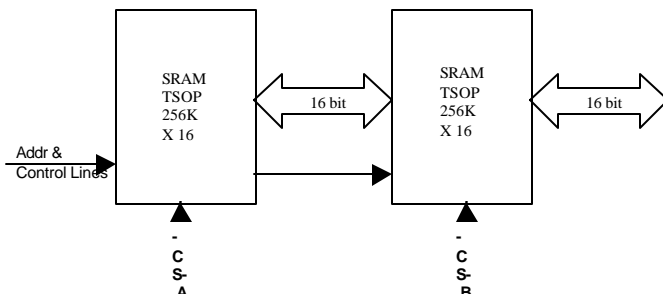


*Irvine Sensors Corporation*  
Microelectronics Products Division

## 8Mbit (512K x 16) SRAM Memory Stack

### Features:

- ❑ Low Profile: same PCB footprint as a monolithic TSOP
- ❑ Provides a cost-effective emulation of a 8Mbit SRAM by using 2 low cost 4Mbit SRAM's
- ❑ Low cost, economical for volume commercial applications
- ❑ JEDEC Standard 3.3V power supply



Dimensions: 0.740"L x 0.530"W x 0.100"H  
(+/- 0.005" on all dimensions)

### General Description

The Irvine Sensor's Microelectronics Products Division's 8 Mbit SRAM memory stack provides a cost-effective upgrade to the monolithic 4 Mbit SRAM. Boards can be designed to accept either the monolithic 4Mbit TSOP or the 8Mbit stack interchangeably. This allows for a generation upgrade without a board redesign. If a monolithic 8Mbit TSOP becomes available and is more cost effective than the 4Mbit based stack, a minor modification can be made to the PCB to switch from the stack to the monolithic device. Base design uses Samsung K6R4016VIC-TI TSOPs but these stacks can be manufactured using TSOPs from a variety of manufacturers.

Application note: Do not exceed 220°C when soldering part to PCB.

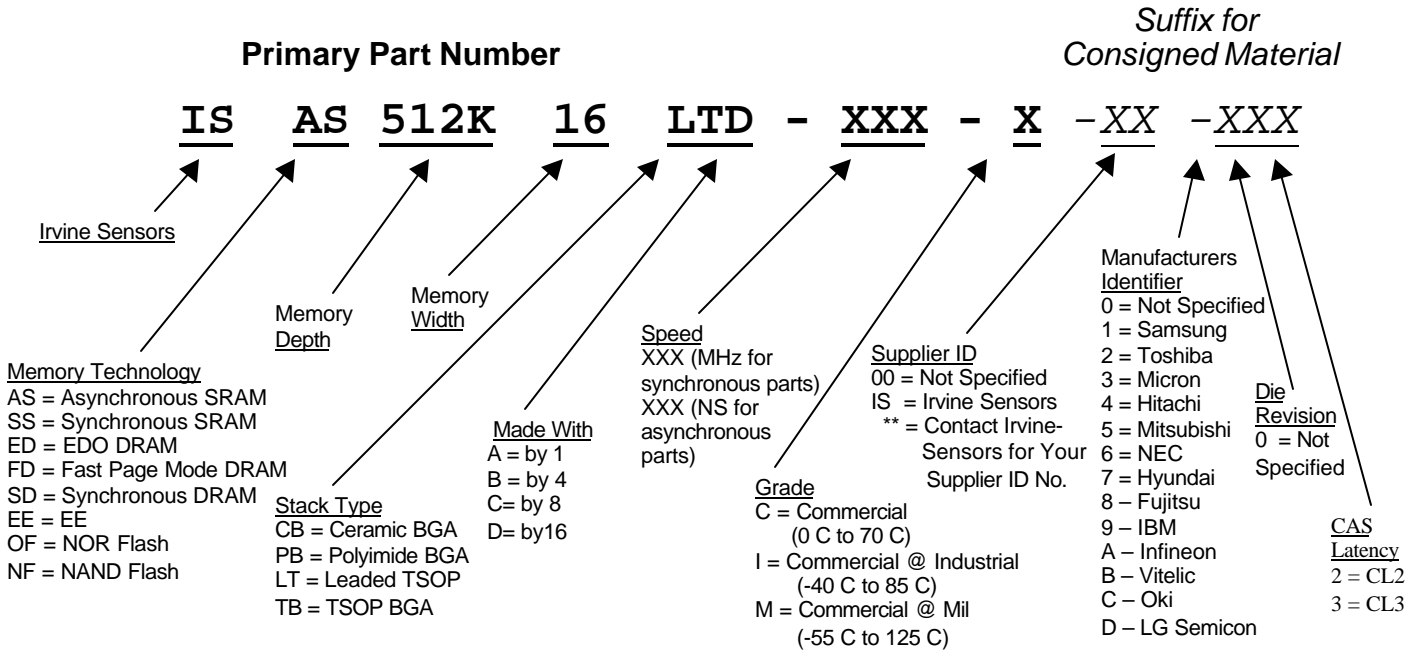
For more information contact MPD Sales:

**Phone 1-714-549-8211    Fax 1-714-444-8764    E-mail [mpdsales@irvine-sensors.com](mailto:mpdsales@irvine-sensors.com)**  
Irvine Sensors Corporation, 3001 Redhill Avenue, Building 4, Costa Mesa, CA 92626-4532

# Irvine Sensors Corporation

## Microelectronics Products Division

### MPD PART NUMBERING SYSTEM



### Pin Names

Pin #	Name	Name	Pin #
1	A0	A17	44
2	A1	A16	43
3	A2	A15	42
4	A3	OE	41
5	A4	UB	40
6	CS-A	LB	39
7	I/O1	I/O16	38
8	I/O2	I/O15	37
9	I/O3	I/O14	36
10	I/O4	I/O13	35
11	Vcc	Vss	34
12	Vss	Vcc	33
13	I/O5	I/O12	32
14	I/O6	I/O11	31
15	I/O7	I/O10	30
16	I/O8	I/O9	29
17	WE	CS-B	28
18	A5	A14	27
19	A6	A13	26
20	A7	A12	25
21	A8	A11	24
22	A9	A10	23

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