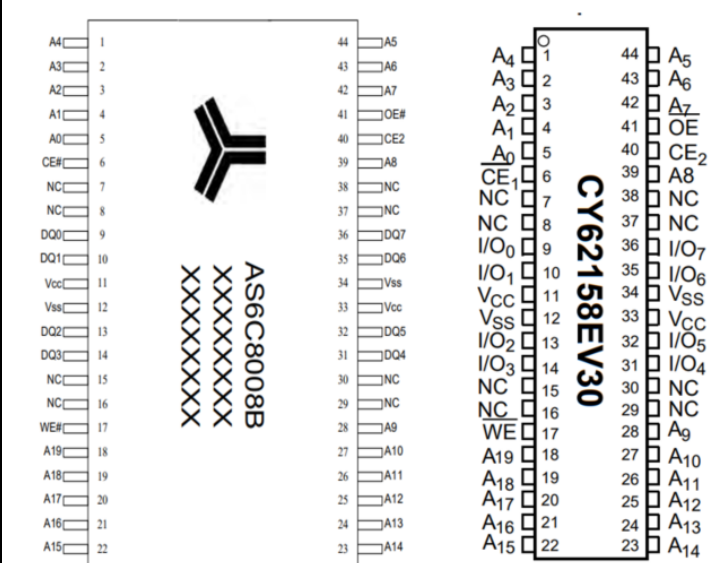


AS6C8008B-45ZIN vs CY62158EV30LL-45ZSXI Comparison

Part Number & result Parameter	AS6C8008B-45ZIN	CY62158EV30LL-45ZSXI	Comparison Result
Product Description	Low Power ASRAM	Low Power ASRAM	Same
Capacity	8Mb	8Mb	Same
Memory Organization	1024K, x8bits	1024K, x8bits	Same
Operating Power Supply	Vcc = 2.7V to 3.6V	Vcc = 2.2V to 3.6V	Cypress wide range
Operating Temperature	Industrial (-40°C to 85°C)	Industrial (-40°C to 85°C)	Same
I/O Capacitance	CIO: 8pf (Max)	CIO: 10pf (Max)	Comparable
Read/Write Cycle time	45ns (Min)	45ns (Min)	Same
Address Access time (tAA)	45ns (Max)	45ns (Max)	Same
CE Access time (tACE)	45ns (Max)	45ns (Max)	Same
OE Access time (tOE)	25ns (Max)	22ns (Max)	Comparable
V _{OH} (V) @ -1mA	2.2 (Min)	2.4 (Min)	Comparable
V _{OL} (V) @ 2mA	0.4 (Max)	0.4 (Max)	Same
V _{IH} (V)	2.2 (Min)	2.2 (Min)	Comparable
V _{IL} (V)	0.6 (Max)	0.8 (Max)	Comparable
I _{LI} (uA)	1 (Max)	1 (Max)	Same
I _{LO} (uA)	1 (Max)	1 (Max)	Same
I _{CC} (mA) 45ns Cycletime	20 (Max)	25 (Max)	Alliance better
I _{CC1} (mA) 1us Cycletime	5 (Max)	7 (Max)	Alliance better
I _{SB1} (uA) Standby	20 (Max)	8 (Max)	Cypress better
Package	44pin TSOP II	44pin TSOP II	Same
Package Material	Pb and Halogen Free	Pb and Halogen Free	Same
Pin to Pin Compatible			Same