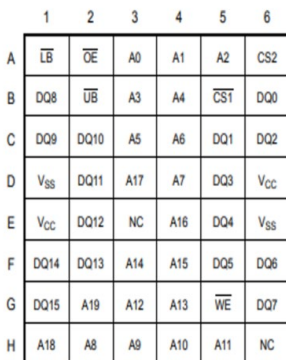
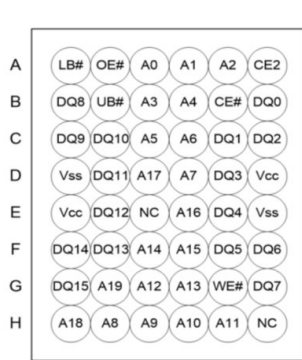


AS6C1616A-55BIN & AS6C1616B-55BIN Comparison

Part Number & result Parameter	AS6C1616A-55BIN	AS6C1616B-55BIN	Comments
Product Description	Low Power ASRAM rev.A	Low Power ASRAM rev.B	
Capacity	16Mb	16Mb	Same
Memory Organization	1024K x 16bits	1024K x 16bits	Same
Operating. Power Supply	V _{CC} = 2.7V ~ 3.6V	V _{CC} = 2.7V ~ 3.6V	Same
Operating Temperature	Industrial (-40°C to 85°C)	Industrial (-40°C to 85°C)	Same
I/O Capacitance	CIO: 10pf (Max.)	CIO: 8pf (Max.)	Rev.B better
Read Cycle Time (tRC)	55ns (Min.)	55ns (Min.)	Same
Write Cycle Time (tWC)	55ns (Min.)	55ns (Min.)	Same
Address Access Time(tAA)	55ns (Max.)	55ns (Max.)	Same
OE Access Time (tOE)	35ns (Max.)	30ns (Max.)	Comparable
V _{OH} (V) @ -1.0mA	2.4 (Min.)	2.2 (Min.)	Comparable
V _{OL} (V) @ 2mA	0.4 (Max.)	0.4 (Max.)	Same
V _{IH} (V)	2.2 (Min.)	2.2 (Min.)	Same
V _{IL} (V)	0.6 (Max.)	0.6 (Max.)	Same
I _{LI} / I _{LO} (uA)	1 (Max.)	1 (Max.)	Same
Operating Current (55ns)	ICC2 = 70mA (Max.)	ICC = 18mA (Max.)	Rev.B better
Operating Current (1us)	ICC1 = 8mA (Max.)	ICC1 = 5mA (Max.)	Rev.B better
Standby Current (CMOS)	ISB1 = 30uA (Max.)	ISB1 = 40uA (Max.)	revA better
Data Retention Vcc (VDR)	1.5V (Min.)	1.5V (Min.)	Same
Package Type	48ball TFBGA	48ball TFBGA	Same
Package Outer Dimensions	8mm x 10mm	6mm x 8mm	Rev.B smaller
Ball pitch and array Dimensions	0.75mm, 3.75 x 5.25mm	0.75mm, 3.75 x 5.25mm	Same
Package Material	Pb and Halogen Free		Same
Pin to Pin Compatible	AS6C1616A-55BIN  AS6C1616B-55BIN 		Same