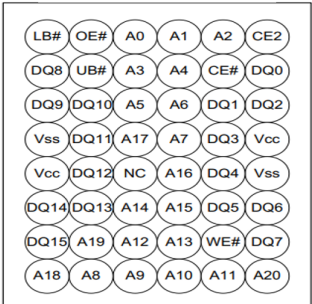


AS6C3216A-55BIN vs AS6C3216-55BIN Comparison

Part Number & result Parameter	AS6C3216A-55BIN/TR	AS6C3216-55BIN/TR	Comparison
Product Description	Low Power ASRAM	Low Power ASRAM	Same
Capacity	32Mb	32Mb	Same
Memory Organization	2M x 16bits	2M 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: 8pf (Max.)	CIO: 8pf (Max.)	Same
Read Cycle Time (tRC)	55ns (Min.)	55ns (Min.)	Same
Write Cycle Time (tWC)	55ns (Min.)	55ns (Min.)	Same
Addr Access Time(tAA)	55ns (Max.)	55ns (Max.)	Same
OE Access Time (tOE)	30ns (Max.)	30ns (Max.)	Same
V_{OH} (V) @ -1.0mA	2.2 (Min.)	2.2 (Min.)	Same
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	+/- 1	Same
I_{CC} (Cycle Time=Min) Operating Current	20 mA (Max.)	80 mA (Max.)	Rev.A Better
I_{CC1} (Cycle Time=1uS) Operating Current	5 mA (Max.)	20 mA (Max.)	Rev.A Better
I_{sb1} (Standby Current)	80 uA (Max.)	80 uA (Max.)	Same
VDR	1.2V (Min.)	1.2V (Min.)	Same
Package 48ball TFBGA	8mm x 10mm	8mm x 10mm	Same
Package Material	Pb and Halogen Free	Pb and Halogen Free	Same
Pin to Pin Compatible	Yes	Yes	Same
AS6C3216A  AS6C3216 