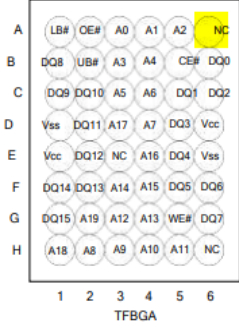
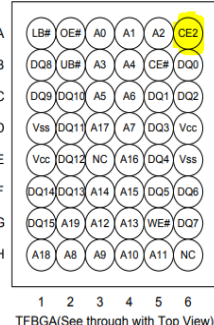


AS7C316098A-10BIN vs AS7C316098B-10BIN Comparison

Part Number & result Parameter	AS7C316098A-10BIN	AS7C316098B-10BIN	Comparison Result
Product Description	FAST ASRAM	FAST ASRAM	Same
Capacity	16Mb	16Mb	Same
Memory Organization	1024K, x16bits, 1 Chip Select	1024K, x16bits, 2 Chip Select	Different
OperatingPower 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: 10pf(Max.)	Same
Access time	10ns	10ns	Same
AC Characteristics			
tRC & tWC (ns)	10 Min.	10 Min.	Same
tAA (ns)	10 Max.	10 Max.	Same
tOE (ns)	4.5 Max.	4.5 Max.	Same
DC Characteristics			
Spec conditions	-40C ≤ TA ≤ 85C V _{CC} = 2.7V ~ 3.6V	-40C ≤ TA ≤ 85C V _{CC} = 2.7V ~ 3.6V	Same
V _{OH} (V)	2.4 (Min.)	2.4 (Min.)	Same
V _{OL} (V)	0.4 (Max.)	0.4 (Max.)	Same
V _{IH} (V)	2.2 (Min.)	2.2 (Min.)	Same
V _{IL} (V)	0.8 (Max.)	0.8 (Max.)	Same
I _{LI} / I _{LO} (uA)	1 (Max.)	1 (Max.)	Same
I _{CC} (mA)	160 (Max.)	160 (Max.) not in Datasheet	Same
I _{CC1} (mA)	120 (Max.)	120 (Max.)	Same
I _{SB1} (mA)	40 (Max.)	40 (Max.)	Same
DataRetentionVoltage	1.5V (Min.)	1.5V (Min.)	Same
Package	48ball 6mm x 8mm TFBGA Ball array : 3.75mm x 5.25mm	48ball 6mm x 8mm TFBGA Ball array : 3.75mm x 5.25mm	Same
Package Material	Pb and Halogen Free	Pb and Halogen Free	Same
Pin to Pin compatibility			Different pinout on A6 ball.