

AS7C256-35JI vs AS7C256A-20JIN Comparison

Part Number & result Parameter	AS7C256-35JI	AS7C256A-20JIN	Comparison Result
Product Description	FAST ASRAM, rev0	FAST ASRAM, revA	Same
Capacity	256Kb	256Kb	Same
Memory Organization	32K x 8	32K x 8	Same
Operating Power Supply	V _{CC} =4.5V ~ 5.5V	V _{CC} =4.5V ~ 5.5V	Same
Operating Temperature	Industrial (-40°C to 85°C)	Industrial (-40°C to 85°C)	Same
Pin to Pin Compatible	Pin to Pin Compatible		Same
Access time	35ns	20ns	revA is faster
AC Characteristics			
tRC & tWC (ns)	35 (Min)	20 (Min)	Same
tAA (ns)	35 (Max)	20 (Max)	Same
DC Characteristics			
Spec conditions	-40C ≤ TA ≤ 85C	-40C ≤ TA ≤ 85C	Comparable
V_{OH} (V)	2.4 (min.)	2.4 (min.)	Comparable
V_{OL} (V)	0.4 (max.)	0.4 (max.)	Same
V_{IH} (V)	2.0(min.)	2.2(min.)	Comparable
V_{IL} (V)	0.8(max.)	0.8(max.)	Same
I_{LI} (uA)	1 (max.)	1 (max.)	Same
I_{LO}(uA)	1 (max.)	1 (max.)	Same
I_{CC} (mA)	80 (max.)	60 (max.)	revA better
I_{SB} (mA)	35 (max.)	40 (max.)	Comparable
I_{SB1} (mA)	2 (max.)	2 (max.)	Same
Package	28pin SOJ (300mils)	28pin SOJ (300mils)	Same
Package Material	Leaded Part	Lead Free Parts	Different

Pin to Pin Compatible – YES

