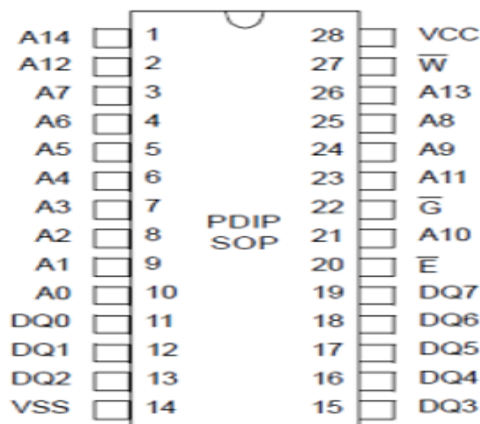
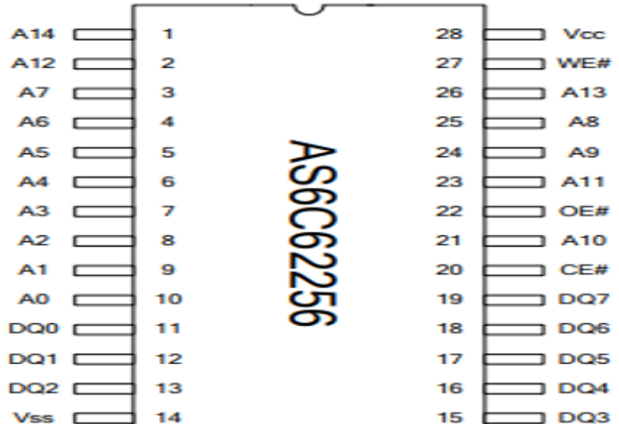


AS6C62256A-70SIN vs AS6C62256-55SIN Comparison

Part Number & result Parameter	AS6C62256A-70SIN	AS6C62256-55SIN	Comments
Product Description	Low Power ASRAM	Low Power ASRAM	
Capacity	256Kb	256Kb	Same
Memory Organization	32K x 8bits	32K x 8bits	Same
Operating Power Supply	$V_{CC} = 4.5V \sim 5.5V$	$V_{CC} = 2.7V \sim 5.5V$	AS6C62256-55SIN better
Operating Temperature	Industrial (-40°C to 85°C)	Industrial (-40°C to 85°C)	Same
I/O Capacitance	CIO: 7pf (Max.)	CIO: 8pf (Max.)	Comparable
Read Cycle Time (tRC)	70ns (Min.)	55ns (Min.)	AS6C62256-55SIN better
Write Cycle Time (tWC)	70ns (Min.)	55ns (Min.)	AS6C62256-55SIN better
Address Access Time (tAA)	70ns (Max.)	55ns (Max.)	AS6C62256-55SIN better
OE Access Time (tOE)	35ns (Max.)	30ns (Max.)	Comparable
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.)	2.4 (Min.)	Same
V_{IL}(V)	0.8 (Max.)	0.6 (Max.)	Same
I_{LI} / I_{LO}(uA)	2 (Max.)	1 (Max.)	Comparable
Operating. Current	$I_{CC} = 70mA(Max.)$	$I_{CC} = 45mA(Max.)$	AS6C62256-55SIN better
Standby Current ISB1	10uA (Max.)	30uA (Max.)	AS6C62256A-70SIN better
Standby Current ISB2	1mA (Max.)	3mA	AS6C62256A-70SIN better
VDR	2 (Min.)	1.5V (Min.)	AS6C62256-55SIN better
Package Dim	330mil SOP28	330mil SOP28	Same
Package Material	Pb and Halogen Free	Pb and Halogen Free	Same
Pin to Pin Compatible	Yes	Yes	Same

AS6C62256A-70SIN


Top View

AS6C62256-55SIN


PDIP/SOP