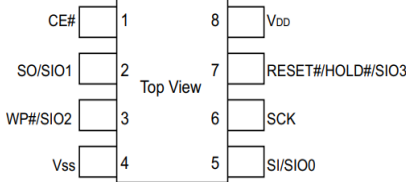
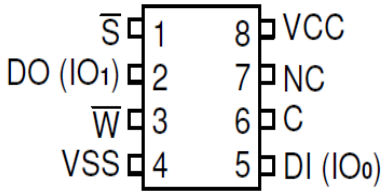


SST26VF020A-80E vs AS25F304MD-10S1IN Comparison

Features / Parameters	SST26VF020A-80E	AS25F304MD-10S1IN	Comments
Manufacturer/Supplier	MicroChip	ALLIANCE MEMORY	
Product	Serial NOR FLASH Memory	Serial NOR FLASH Memory	Same
Density	2Mb	4Mb	Alliance higher
SPI	x1, x2, x4 (Standard, Dual & Quad SPI)	x1 & x2 (Standard & Dual SPI)	MicroChip better
Architecture	Uniform Sector of 4K Byte Uniform Block of 32/64K Byte 256 Bytes per Programmable Page	Uniform Sector of 4K Byte Uniform Block of 32/64K Byte 256 Bytes per Programmable Page	Same
Power Supply	2.7V~3.6V	2.7V~3.6V	Same
Speed (Max)	104MHz Fast read	104MHz Fast read	Same
Page Program Time	1.5ms (Max.)	2ms (Max.)	Comparable
Sector Erase Time (4KB)	25ms (Max.)	8ms (Max.)	Alliance better
Block Erase Time(64KB)	25ms (Max.)	8ms (Max.)	Alliance better
Chip Erase Time	50ms (Max.)	10ms (Max.)	Alliance better
Erase/Program cycles	Min.100,000 cycles	Min.100,000 cycles	Same
Protection	S/W, H/W Lock/Write Protect	S/W, H/W Lock/Write Protect	Same
OTP	2K Byte	3x512 Byte Security registers with OTP locks	MicroChip better
Read Current	20mA (Max.)	4.4mA (Max.)	Alliance better
Deep PowerDown current	20uA (Max.)	3.5uA (Max.)	Alliance better
Standby Current	15uA (Typical.)	8uA (Typical)	Alliance better
Package	8pin SOP (150mils)	8pin SOP (150mils)	Same
Operating Temperature	-40C~85C Extended Industrial Grade	-40C~85C Industrial Grade	Same
Compliance	ROHS and Halogen Free	ROHS an Halogen Free	Same
Pin to Pin compatibility	PIN ASSIGNMENT FOR 8-LEAD SOIC 		Micro Chip supports x4