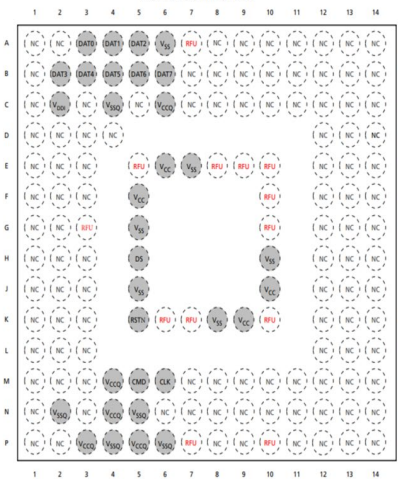
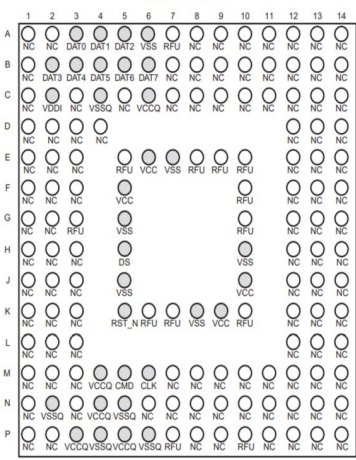


ASFC4G31M-51BIN vs S40FC002C1B1I00310 Comparison

Part Number & result Parameter	ASFC4G31M-51BIN	S40FC002C1B1I00310	Comparison Result
Product Description	eMMC	eMMC	Same
Capacity	4GB	2GB	Alliance higher
Bus Width	x1, x4 & x8	x1, x4 & x8	Same
eMMC Version	5.1 (backward compatible with previous MMC)	5.1 (backward compatible with previous MMC)	Same
Operating Power Supply (Interface)	VccQ = 1.70V ~ 1.95V or 2.7V ~ 3.6V	VccQ = 1.70V ~ 1.95V or 2.7V ~ 3.6V	Same
Operating Power Supply (NAND)	Vcc = 2.7V~3.6V	Vcc = 2.7V~3.6V	Same
Operating Temperature	Industrial (Ta = -40°C ~ 85°C)	Industrial (Ta = -40°C ~ 85°C)	Same
Clock Frequency	MMC I/F Clock: 0~200MHz (Max) MMC I/F Boot Freq: 0~52MHz	MMC I/F Clock: 0~200MHz (Max) MMC I/F Boot Freq: 0~52MHz	Same
Interface Timing Mode	HS200/ HS400	HS200/ HS400	Same
NAND Flash Component	Type: MLC Die:1	Configured in SLC mode Die:1	Functionally same
Sequential Performance (HS400)	Write: 50MB/s Read = 120MB/s	Write: 27MB/s Read = 186MB/s	Blue colored are better
Active Power Consumption	ICC / ICCQ (Max) 120mA / 120mA	ICC / ICCQ (Max) 87mA / 93mA	SkyHigh better
Package Type	153-ball TFBGA 11.5 x 13mm	153-ball TFBGA 11.5 x 13mm	Same
Package Material	Pb and Halogen Free	Pb and Halogen Free	Same
Pin to Pin Compatible	ASFC4G31M-51BIN  S40FC002 		Same