



EOL Update

8/3/2021



PCIe BGA / Modules

EOL Part	Description	Replacement Part	Description
SM689GXx AES	PCIe, BICS3 3D TLC NAND	SM681GXx AFS	PCIe, BICS4 3D TLC NAND, DRAM-less
SM689GEx AES	PCIe, BICS3 3D TLC NAND	SM681GEx AFS	PCIe, BICS4 3D TLC NAND, DRAM-less
SM681GXx AES	PCIe, BICS3 3D TLC NAND, DRAM-less	SM681GXx AFS	PCIe, BICS4 3D TLC NAND, DRAM-less
SM681GEx AES	PCIe, BICS3 3D TLC NAND, DRAM-less	SM681GEx AFS	PCIe, BICS4 3D TLC NAND, DRAM-less
MD689G***AEx	PCIe, BICS3 3D TLC NAND, M.2 2242	MD681G***AFx	PCIe, BICS4 3D TLC NAND, DRAM-less, M.2 2242
ME689G***AEx	PCIe, BICS3 3D TLC NAND, M.2 2280	ME681G***AFx	PCIe, BICS4 3D TLC NAND, DRAM-less, M.2 2280
MD681G***Aex	PCIe, BICS3 3D TLC NAND, DRAM-less, M.2 2242	MD681G***AFx	PCIe, BICS4 3D TLC NAND, DRAM-less, M.2 2242
ME681G***AEx	PCIe, BICS3 3D TLC NAND, DRAM-less, M.2 2280	ME681G***AFx	PCIe, BICS4 3D TLC NAND, DRAM-less, M.2 2280

SATA BGA SSD

EOL Part	Description	Replacement Part	Description
SM619GXx DES	SATA, BICS3 3D TLC NAND	SM619GXx DFS	SATA, BICS4 3D TLC NAND
SM619GEx DES	SATA, BICS3 3D TLC NAND	SM619GEx DFS	SATA, BICS4 3D TLC NAND
SM619GXx CDZ	SATA, MLC NAND	SM619GXx DFS	SATA, BICS4 3D TLC NAND
SM619GEx CDZ	SATA, MLC NAND	SM619GEx DFS	SATA, BICS4 3D TLC NAND
SM659GXx CDZ	SATA, MLC NAND, SLC Mode	SM619GXx DFS	SATA, BICS4 3D TLC NAND
SM659GEx CDZ	SATA, MLC NAND, SLC Mode	SM619GEx DFS	SATA, BICS4 3D TLC NAND
SM611GXx CDZ	SATA, MLC NAND	SM619GXx DFS	SATA, BICS4 3D TLC NAND
SM611GEx CDZ	SATA, MLC NAND	SM619GEx DFS	SATA, BICS4 3D TLC NAND
SM651GXx CDZ	SATA, MLC NAND, SLC Mode	SM619GXx DFS	SATA, BICS4 3D TLC NAND
SM651GEx CDZ	SATA, MLC NAND, SLC Mode	SM619GEx DFS	SATA, BICS4 3D TLC NAND

SATA / PATA BGA SSD

EOL Part	Description	Replacement Part	Description
SM611GXx BD	SATA, MLC NAND (24nm)	SM619GXx DFS	SATA, BICS4 3D TLC NAND
SM611GEx BD	SATA, MLC NAND (24nm)	SM619GEx DFS	SATA, BICS4 3D TLC NAND
SM651GXx BD	SATA, MLC NAND (24nm), SLC Mode	SM619GXx DFS	SATA, BICS4 3D TLC NAND
SM651GEx BD	SATA, MLC NAND (24nm), SLC Mode	SM619GEx DFS	SATA, BICS4 3D TLC NAND
SM601GXx BD	PATA, MLC NAND (24nm)	N/A	N/A
SM601GEx BD	PATA, MLC NAND (24nm)	N/A	N/A
SM641GXx BD	PATA, MLC NAND (24nm), SLC Mode	N/A	N/A
SM641GEx BD	PATA, MLC NAND (24nm), SLC Mode	N/A	N/A
MP601G***BDx	PATA, MLC NAND (24nm)	N/A	N/A
P641G***BDx	PATA, MLC NAND (24nm)	N/A	N/A

SATA Modules

EOL Part	Description	Replacement Part	Description
MA619G***DEx	2.5" SATA, BICS3 3D TLC NAND	MA619G**LDFx	2.5" SATA, BICS4 3D TLC NAND
MB619G***DEx	MO297 SATA, BICS3 3D TLC NAND	MB619G**LDFx	MO297 SATA, BICS4 3D TLC NAND
MC619G***Dex	MO300A SATA, BICS3 3D TLC NAND	MC619G**LDFx	MO300A SATA, BICS4 3D TLC NAND
MD619G***Dex	M.2 2242 SATA, BICS3 3D TLC NAND	MD619G**LDFx	M.2 2242 SATA, BICS4 3D TLC NAND
ME619G***DEx	M.2 2280 SATA, BICS3 3D TLC NAND	ME619G**LDFx	M.2 2280 SATA, BICS4 3D TLC NAND
MA619G***CDx	2.5" SATA, MLC NAND	MA619G**LDFx	2.5" SATA, BICS4 3D TLC NAND
MB619G***CDx	MO297 SATA, MLC NAND	MB619G**LDFx	MO297 SATA, BICS4 3D TLC NAND
MC619G***CDx	MO300A SATA, MLC NAND	MC619G**LDFx	MO300A SATA, BICS4 3D TLC NAND
MD619G***CDx	M.2 2242 SATA, MLC NAND	MD619G**LDFx	M.2 2242 SATA, BICS4 3D TLC NAND
ME619G***CDx	M.2 2280 SATA, MLC NAND	ME619G**LDFx	M.2 2280 SATA, BICS4 3D TLC NAND
MB611G***BDx	MO297 SATA, MLC NAND	MB619G**LDFx	MO297 SATA, BICS4 3D TLC NAND
MC611G***BDx	MO300A SATA, MLC NAND	MC619G**LDFx	MO300A SATA, BICS4 3D TLC NAND
MD611G***BDx	M.2 2242 SATA, MLC NAND	MD619G**LDFx	M.2 2242 SATA, BICS4 3D TLC NAND
MB651G***BDx	MO297 SATA, MLC NAND, SLC Mode	MB619G**LDFx	MO297 SATA, BICS4 3D TLC NAND
MC651G***BDx	MO300A SATA, MLC NAND, SLC Mode	MC619G**LDFx	MO300A SATA, BICS4 3D TLC NAND
MD651G***BDx	M.2 2242 SATA, MLC NAND, SLC Mode	MD619G**LDFx	M.2 2242 SATA, BICS4 3D TLC NAND

eMMC / UFS

EOL Part	Description	Replacement Part	Description
SM662GXx BDS	eMMC, BICS3 3D TLC NAND, C-Temp, 100 ball	SM662GXx BES	eMMC, BICS4 3D TLC NAND, C-Temp, 100 ball
SM662GEx BDS	eMMC, BICS3 3D TLC NAND, I-Temp, 100 ball	SM662GEx BES	eMMC, BICS4 3D TLC NAND, I-Temp, 100 ball
SM662GAX BDS	eMMC, BICS3 3D TLC NAND, Auto G3, 100 ball	SM662GAX BES	eMMC, BICS4 3D TLC NAND, Auto G3, 100 ball
SM662GBx BDS	eMMC, BICS3 3D TLC NAND, Auto G2, 100 ball	SM662GBx BES	eMMC, BICS4 3D TLC NAND, Auto G2, 100 ball
SM662PXx BDS	eMMC, BICS3 3D TLC NAND, C-Temp, 153 ball	SM662PXx BES	eMMC, BICS4 3D TLC NAND, C-Temp, 153 ball
SM662PEx BDS	eMMC, BICS3 3D TLC NAND, I-Temp, 153 ball	SM662PEx BES	eMMC, BICS4 3D TLC NAND, I-Temp, 153 ball
SM662PAx BDS	eMMC, BICS3 3D TLC NAND, Auto G3, 153 ball	SM662PAx BES	eMMC, BICS4 3D TLC NAND, Auto G3, 153 ball
SM662PBx BDS	eMMC, BICS3 3D TLC NAND, Auto G2, 153 ball	SM662PBx BES	eMMC, BICS4 3D TLC NAND, Auto G2, 153 ball
SM671PXx ADS	UFS 2.1, BICS3 3D TLC NAND, C-Temp	Upcoming in Late Q3	
SM671PEx ADS	UFS 2.1, BICS3 3D TLC NAND, I-Temp	Upcoming in Late Q3	
SM671PAx ADS	UFS 2.1, BICS3 3D TLC NAND, Auto G3	Upcoming in Late Q3	
SM671PBx ADS	UFS 2.1, BICS3 3D TLC NAND, Auto G2	Upcoming in Late Q3	



Thank You !

Ray Gapasin
rgapasin@siliconmotion.com



PCIe 40GB 3D FerriSSD, C-temp, SLC mode	MD689GXDAIE3S	MD681GXDIADF3S	PCIe 40GB 3D FerriSSD, C-temp, SLC mode
PCIe 80GB 3D FerriSSD, C-temp, SLC mode	MD689GXEIAE3S	MD681GXEIAF3S	PCIe 80GB 3D FerriSSD, C-temp, SLC mode
PCIe 16GB 3D FerriSSD, C-temp, TLC mode	MD689GXAI AE3T	N/A	
PCIe 32GB 3D FerriSSD, C-temp, TLC mode	MD689HXBIAE3T	MD681GXBIADF3T	PCIe 32GB 3D FerriSSD, C-temp, TLC mode
PCIe 64GB 3D FerriSSD, C-temp, TLC mode	MD689GXCIAE3T	MD681GXCIAF3T	PCIe 64GB 3D FerriSSD, C-temp, TLC mode
PCIe 128GB 3D FerriSSD, C-temp, TLC mode	MD689GXDAIE3T	MD681GXDAIADF3T	PCIe 128GB 3D FerriSSD, C-temp, TLC mode
PCIe 256GB 3D FerriSSD, C-temp, TLC mode	MD689GXEIAE3T	MD681GXEIAF3T	PCIe 256GB 3D FerriSSD, C-temp, TLC mode
PCIe Family (DRAM + BICS3 3D TLC based SSD) MODULE M.2 (22x80mm)			PCIe Family (DRAM-less + BICS4 3D TLC based SSD) M.2 M.2 (22x80mm)
PCIe 5GB 3D FerriSSD, C-temp, SLC mode	ME689GXAI AE3S	N/A	
PCIe 10GB 3D FerriSSD, C-temp, SLC mode	ME689HXBIAE3S	ME681GXBIADF3S	PCIe 10GB 3D FerriSSD, C-temp, SLC mode
PCIe 20GB 3D FerriSSD, C-temp, SLC mode	ME689GXIAE3S	ME681GXCIAF3S	PCIe 20GB 3D FerriSSD, C-temp, SLC mode
PCIe 40GB 3D FerriSSD, C-temp, SLC mode	ME689GXDAIE3S	ME681GXDIADF3S	PCIe 40GB 3D FerriSSD, C-temp, SLC mode
PCIe 80GB 3D FerriSSD, C-temp, SLC mode	ME689GXEIAE3S	ME681GXEIAF3S	PCIe 80GB 3D FerriSSD, C-temp, SLC mode
PCIe 16GB 3D FerriSSD, C-temp, TLC mode	ME689GXAI AE3T	N/A	
PCIe 32GB 3D FerriSSD, C-temp, TLC mode	ME689HXBIAE3T	ME681GXBIADF3T	PCIe 32GB 3D FerriSSD, C-temp, TLC mode
PCIe 64GB 3D FerriSSD, C-temp, TLC mode	ME689GXIAE3T	ME681GXCIAF3T	PCIe 64GB 3D FerriSSD, C-temp, TLC mode
PCIe 128GB 3D FerriSSD, C-temp, TLC mode	ME689GXDAIE3T	ME681GXDAIADF3T	PCIe 128GB 3D FerriSSD, C-temp, TLC mode
PCIe 256GB 3D FerriSSD, C-temp, TLC mode	ME689GXEIAE3T	ME681GXEIAF3T	PCIe 256GB 3D FerriSSD, C-temp, TLC mode
EOL PRODUCT DESCRIPTION	EOL P/N	REPLACEMENT P/N	REPLACEMENT PRODUCT DESCRIPTION
SATA Family (DRAM + BICS3 3D TLC based SSD)			SATA Family (DRAM + BICS4 3D TLC based SSD)
SATA 5GB 3D FerriSSD, C-temp, SLC mode	SM619GXA DESS	N/A	
SATA 10GB 3D FerriSSD, C-temp, SLC mode	SM619GXB DESS	SM619GXB DFSS	SATA 10GB 3D FerriSSD, C-temp, SLC mode
SATA 20GB 3D FerriSSD, C-temp, SLC mode	SM619GXC DESS	SM619GXC DFSS	SATA 20GB 3D FerriSSD, C-temp, SLC mode
SATA 40GB 3D FerriSSD, C-temp, SLC mode	SM619GXD DESS	SM619GXD DFSS	SATA 40GB 3D FerriSSD, C-temp, SLC mode
SATA 80GB 3D FerriSSD, C-temp, SLC mode	SM619GXE DESS	SM619GXE DFSS	SATA 80GB 3D FerriSSD, C-temp, SLC mode
SATA 16GB 3D FerriSSD, C-temp, TLC mode	SM619GXA DEST	N/A	
SATA 32GB 3D FerriSSD, C-temp, TLC mode	SM619GXB DEST	SM619GXB DFST	SATA 32GB 3D FerriSSD, C-temp, TLC mode
SATA 64GB 3D FerriSSD, C-temp, TLC mode	SM619GXC DEST	SM619GXC DFST	SATA 64GB 3D FerriSSD, C-temp, TLC mode
SATA 128GB 3D FerriSSD, C-temp, TLC mode	SM619GXD DEST	SM619GXD DFST	SATA 128GB 3D FerriSSD, C-temp, TLC mode
SATA 256GB 3D FerriSSD, C-temp, TLC mode	SM619GXE DEST	SM619GXE DFST	SATA 256GB 3D FerriSSD, C-temp, TLC mode
SATA Family (DRAM + BICS3 3D TLC based SSD, I-temp)			SATA Family (DRAM + BICS4 3D TLC based SSD, I-temp)
SATA 5GB 3D FerriSSD, i-temp, SLC mode	SM619GEA DESS	N/A	
SATA 10GB 3D FerriSSD, i-temp, SLC mode	SM619GEB DESS	SM619GEB DFSS	SATA 10GB 3D FerriSSD, i-temp, SLC mode
SATA 20GB 3D FerriSSD, i-temp, SLC mode	SM619GEC DESS	SM619GEC DFSS	SATA 20GB 3D FerriSSD, i-temp, SLC mode
SATA 40GB 3D FerriSSD, i-temp, SLC mode	SM619GED DESS	SM619GED DFSS	SATA 40GB 3D FerriSSD, i-temp, SLC mode
SATA 80GB 3D FerriSSD, i-temp, SLC mode	SM619GEE DESS	SM619GEE DFSS	SATA 80GB 3D FerriSSD, i-temp, SLC mode
SATA 16GB 3D FerriSSD, i-temp, TLC mode	SM619GEA DEST	N/A	
SATA 32GB 3D FerriSSD, i-temp, TLC mode	SM619GEB DEST	SM619GEB DFST	SATA 32GB 3D FerriSSD, i-temp, TLC mode
SATA 64GB 3D FerriSSD, i-temp, TLC mode	SM619GEC DEST	SM619GEC DFST	SATA 64GB 3D FerriSSD, i-temp, TLC mode
SATA 128GB 3D FerriSSD, i-temp, TLC mode	SM619GED DEST	SM619GED DFST	SATA 128GB 3D FerriSSD, i-temp, TLC mode
SATA 256GB 3D FerriSSD, i-temp, TLC mode	SM619GEE DEST	SM619GEE DFST	SATA 256GB 3D FerriSSD, i-temp, TLC mode
SATA Family (DRAM + BICS3 3D TLC based SSD) MODULE MO297			SATA Family (DRAM + BICS4 3D TLC based SSD) MODULE MO297
SATA 5GB 3D FerriSSD, C-temp, SLC mode	MB619GXAI DE3S	N/A	
SATA 10GB 3D FerriSSD, C-temp, SLC mode	MB619GXBI DE3S	MB619GXBI DF3S	SATA 10GB 3D FerriSSD, C-temp, SLC mode
SATA 20GB 3D FerriSSD, C-temp, SLC mode	MB619GXCI DE3S	MB619GXCI DF3S	SATA 20GB 3D FerriSSD, C-temp, SLC mode
SATA 40GB 3D FerriSSD, C-temp, SLC mode	MB619GXDI DE3S	MB619GXDI DF3S	SATA 40GB 3D FerriSSD, C-temp, SLC mode
SATA 80GB 3D FerriSSD, C-temp, SLC mode	MB619GXEI DE3S	MB619GXEI DF3S	SATA 80GB 3D FerriSSD, C-temp, SLC mode
SATA 16GB 3D FerriSSD, C-temp, TLC mode	MB619GXAI DE3T	N/A	
SATA 32GB 3D FerriSSD, C-temp, TLC mode	MB619GXBI DE3T	MB619GXBI DF3T	SATA 32GB 3D FerriSSD, C-temp, TLC mode
SATA 64GB 3D FerriSSD, C-temp, TLC mode	MB619GXCI DE3T	MB619GXCI DF3T	SATA 64GB 3D FerriSSD, C-temp, TLC mode

SATA 128GB 3D FerriSSD, C-temp , TLC mode	MB619GXDIDE3T	MB619GXDIDF3T	SATA 128GB 3D FerriSSD, C-temp , TLC mode
SATA 256GB 3D FerriSSD, C-temp , TLC mode	MB619GXEIDE3T	MB619GXEIDF3T	SATA 256GB 3D FerriSSD, C-temp , TLC mode
SATA Family (DRAM + BICS3 3D TLC based SSD) MODULE MO300A		SATA Family (DRAM + BICS4 3D TLC based SSD) MODULE MO300A	
SATA 5GB 3D FerriSSD, C-temp, SLC mode	MC619GXAIDE3S	N/A	
SATA 10GB 3D FerriSSD, C-temp, SLC mode	MC619GXBIDE3S	MC619GXBIDF3S	SATA 10GB 3D FerriSSD, C-temp, SLC mode
SATA 20GB 3D FerriSSD, C-temp, SLC mode	MC619GXCIDE3S	MC619GXCIDF3S	SATA 20GB 3D FerriSSD, C-temp, SLC mode
SATA 40GB 3D FerriSSD, C-temp, SLC mode	MC619GXDIDE3S	MC619GXDIDF3S	SATA 40GB 3D FerriSSD, C-temp, SLC mode
SATA 80GB 3D FerriSSD, C-temp, SLC mode	MC619GXEIDE3S	MC619GXEIDF3S	SATA 80GB 3D FerriSSD, C-temp, SLC mode
SATA 16GB 3D FerriSSD, C-temp, TLC mode	MC619GXAIDE3T	N/A	
SATA 32GB 3D FerriSSD, C-temp, TLC mode	MC619GXBIDE3T	MC619GXBIDF3T	SATA 32GB 3D FerriSSD, C-temp, TLC mode
SATA 64GB 3D FerriSSD, C-temp, TLC mode	MC619GXCIDE3T	MC619GXCIDF3T	SATA 64GB 3D FerriSSD, C-temp, TLC mode
SATA 128GB 3D FerriSSD, C-temp, TLC mode	MC619GXDIDE3T	MC619GXDIDF3T	SATA 128GB 3D FerriSSD, C-temp, TLC mode
SATA 256GB 3D FerriSSD, C-temp, TLC mode	MC619GXEIDE3T	MC619GXEIDF3T	SATA 256GB 3D FerriSSD, C-temp, TLC mode
SATA Family (DRAM + BICS3 3D TLC based SSD) MODULE M.2 (22x42mm)		SATA Family (DRAM + BICS4 3D TLC based SSD) MODULE M.2 (22x42mm)	
SATA 5GB 3D FerriSSD, C-temp, SLC mode	MD619GXAIDE3S	N/A	
SATA 10GB 3D FerriSSD, C-temp, SLC mode	MD619GXBIDE3S	MD619GXBIDF3S	SATA 10GB 3D FerriSSD, C-temp, SLC mode
SATA 20GB 3D FerriSSD, C-temp, SLC mode	MD619GXCIDE3S	MD619GXCIDF3S	SATA 20GB 3D FerriSSD, C-temp, SLC mode
SATA 40GB 3D FerriSSD, C-temp, SLC mode	MD619GXDIDE3S	MD619GXDIDF3S	SATA 40GB 3D FerriSSD, C-temp, SLC mode
SATA 80GB 3D FerriSSD, C-temp, SLC mode	MD619GXEIDE3S	MD619GXEIDF3S	SATA 80GB 3D FerriSSD, C-temp, SLC mode
SATA 16GB 3D FerriSSD, C-temp, TLC mode	MD619GXAIDE3T	N/A	
SATA 32GB 3D FerriSSD, C-temp, TLC mode	MD619GXBIDE3T	MD619GXBIDF3T	SATA 32GB 3D FerriSSD, C-temp, TLC mode
SATA 64GB 3D FerriSSD, C-temp, TLC mode	MD619GXCIDE3T	MD619GXCIDF3T	SATA 64GB 3D FerriSSD, C-temp, TLC mode
SATA 128GB 3D FerriSSD, C-temp, TLC mode	MD619GXDIDE3T	MD619GXDIDF3T	SATA 128GB 3D FerriSSD, C-temp, TLC mode
SATA 256GB 3D FerriSSD, C-temp, TLC mode	MD619GXEIDE3T	MD619GXEIDF3T	SATA 256GB 3D FerriSSD, C-temp, TLC mode
SATA Family (DRAM + BICS3 3D TLC based SSD) MODULE M.2 (22x80mm)		SATA Family (DRAM + BICS4 3D TLC based SSD) MODULE M.2 (22x80mm)	
SATA 5GB 3D FerriSSD, C-temp, SLC mode	ME619GXAIDE3S	N/A	
SATA 10GB 3D FerriSSD, C-temp, SLC mode	ME619GXBIDE3S	ME619GXBIDF3S	SATA 10GB 3D FerriSSD, C-temp, SLC mode
SATA 20GB 3D FerriSSD, C-temp, SLC mode	ME619GXCIDE3S	ME619GXCIDF3S	SATA 20GB 3D FerriSSD, C-temp, SLC mode
SATA 40GB 3D FerriSSD, C-temp, SLC mode	ME619GXDIDE3S	ME619GXDIDF3S	SATA 40GB 3D FerriSSD, C-temp, SLC mode
SATA 80GB 3D FerriSSD, C-temp, SLC mode	ME619GXEIDE3S	ME619GXEIDF3S	SATA 80GB 3D FerriSSD, C-temp, SLC mode
SATA 16GB 3D FerriSSD, C-temp, TLC mode	ME619GXAIDE3T	N/A	
SATA 32GB 3D FerriSSD, C-temp, TLC mode	ME619GXBIDE3T	ME619GXBIDF3T	SATA 32GB 3D FerriSSD, C-temp, TLC mode
SATA 64GB 3D FerriSSD, C-temp, TLC mode	ME619GXCIDE3T	ME619GXCIDF3T	SATA 64GB 3D FerriSSD, C-temp, TLC mode
SATA 128GB 3D FerriSSD, C-temp, TLC mode	ME619GXDIDE3T	ME619GXDIDF3T	SATA 128GB 3D FerriSSD, C-temp, TLC mode
SATA 256GB 3D FerriSSD, C-temp, TLC mode	ME619GXEIDE3T	ME619GXEIDF3T	SATA 256GB 3D FerriSSD, C-temp, TLC mode
EOL PRODUCT DESCRIPTION	EOL P/N	REPLACEMENT P/N	REPLACEMENT PRODUCT DESCRIPTION
SATA Family (MLC based SSD)		SATA Family (DRAM + BICS4 3D TLC based SSD)	
SATA 4GB CommericalFerriSSD	SM611GX4 BD	N/A	
SATA 8GB CommericalFerriSSD	SM611GX8 BD	N/A	
SATA 16GB CommericalFerriSSD	SM611GXA BD	N/A	
SATA 32GB CommericalFerriSSD	SM611GX8 BD	SM619GXB DFST	SATA 32GB 3D FerriSSD, C-temp, TLC mode
SATA 64GB CommericalFerriSSD	SM611GXC BD	SM619GXC DFST	SATA 64GB 3D FerriSSD, C-temp, TLC mode
SATA Family (SLCmode based SSD)			
SATA 2GB XtendFerriSSD	SM651GX2 BD	N/A	
SATA 4GB XtendFerriSSD	SM651GX4 BD	N/A	
SATA 8GB XtendFerriSSD	SM651GX8 BD	SM619GXB DFSS	SATA 10GB 3D FerriSSD, C-temp, SLC mode
SATA 16GB XtendFerriSSD	SM651GXA BD	SM619GXC DFSS	SATA 20GB 3D FerriSSD, C-temp, SLC mode
SATA 32GB XtendFerriSSD	SM651GX8 BD	SM619GXD DFSS	SATA 40GB 3D FerriSSD, C-temp, SLC mode
SATA Family (SLCmode i-temp based SSD)			
SATA 2GB XtendFerriSSD + i-Temp	SM651GE2 BD	N/A	

SATA 4GB XtendFerriSSD + i-Temp	SM651GE4 BD	N/A	
SATA 8GB XtendFerriSSD + i-Temp	SM651GE8 BD	SM619GEB DFSS	SATA 10GB 3D FerriSSD, i-temp, SLC mode
SATA 16GB XtendFerriSSD + i-Temp	SM651GEA BD	SM619GEC DFSS	SATA 20GB 3D FerriSSD, i-temp, SLC mode
SATA 32GB XtendFerriSSD + i-Temp	SM651GEB BD	SM619GED DFSS	SATA 40GB 3D FerriSSD, i-temp, SLC mode
SATA Family (DRAM + MLC based SSD)			
FerriSSD BGA SSD MLC NAND DRAM C-temp 16GB SATA-III	SM619GXA CDZ	N/A	
FerriSSD BGA SSD MLC NAND DRAM C-temp 32GB SATA-III	SM619GXB CDZ	SM619GXB DFST	SATA 32GB 3D FerriSSD, C-temp, TLC mode
FerriSSD BGA SSD MLC NAND DRAM C-temp 64GB SATA-III	SM619GXC CDZ	SM619GXC DFST	SATA 64GB 3D FerriSSD, C-temp, TLC mode
FerriSSD BGA SSD MLC NAND DRAM C-temp 128GB SATA-III	SM619GXD CDZ	SM619GXD DFST	SATA 128GB 3D FerriSSD, C-temp, TLC mode
SATA Family (DRAM + SLCmode based SSD)			
FerriSSD BGA SSD SLCmode NAND DRAM C-temp 8GB SATA-III	SM659GX8 CDZ	SM619GXB DFSS	SATA 10GB 3D FerriSSD, C-temp, SLC mode
FerriSSD BGA SSD SLCmode NAND DRAM C-temp 16GB SATA-III	SM659GXA CDZ	SM619GXC DFSS	SATA 20GB 3D FerriSSD, C-temp, SLC mode
FerriSSD BGA SSD SLCmode NAND DRAM C-temp 32GB SATA-III	SM659GXB CDZ	SM619GXD DFSS	SATA 40GB 3D FerriSSD, C-temp, SLC mode
FerriSSD BGA SSD SLCmode NAND DRAM C-temp 64GB SATA-III	SM659GXC CDZ	SM619GXE DFSS	SATA 80GB 3D FerriSSD, C-temp, SLC mode
SATA Family (DRAM i-temp SLCmode based SSD)			
FerriSSD BGA SSD SLCmode NAND DRAM i-temp 8GB SATA-III	SM659GE8 CDZ	SM619GEB DFSS	SATA 10GB 3D FerriSSD, i-temp, SLC mode
FerriSSD BGA SSD SLCmode NAND DRAM i-temp 16GB SATA-III	SM659GEA CDZ	SM619GEC DFSS	SATA 20GB 3D FerriSSD, i-temp, SLC mode
FerriSSD BGA SSD SLCmode NAND DRAM i-temp 32GB SATA-III	SM659GEB CDZ	SM619GED DFSS	SATA 40GB 3D FerriSSD, i-temp, SLC mode
FerriSSD BGA SSD SLCmode NAND DRAM i-temp 64GB SATA-III	SM659GEC CDZ	SM619GEE DFSS	SATA 80GB 3D FerriSSD, i-temp, SLC mode
EOL PRODUCT DESCRIPTION	EOL P/N	REPLACEMENT P/N	REPLACEMENT PRODUCT DESCRIPTION
SATA Family (MLC based SSD) MO297		SATA Family (DRAM + BICS4 3D TLC based SSD) MODULE MO297	
MO297 SATA 4GB CommericalFerriSSD	MB611GX4DBD1	N/A	
MO297 SATA 8GB CommericalFerriSSD	MB611GX8DBD1	N/A	
MO297 SATA 16GB CommericalFerriSSD	MB611GXADB1	N/A	
MO297 SATA 32GB CommericalFerriSSD	MB611GXBDBD1	MB619GXBIDF3T	SATA 32GB 3D FerriSSD, C-temp , TLC mode
MO297 SATA 64GB CommericalFerriSSD	MB611GXCDBD1	MB619GXCIDF3T	SATA 64GB 3D FerriSSD, C-temp , TLC mode
SATA Family (SLCmode based SSD) MO297			
MO297 SATA 2GB XtendFerriSSD	MB651GX2DBD1	N/A	
MO297 SATA 4GB XtendFerriSSD	MB651GX4DBD1	N/A	
MO297 SATA 8GB XtendFerriSSD	MB651GX8DBD1	MB619GXBIDF3S	SATA 10GB 3D FerriSSD, C-temp, SLC mode
MO297 SATA 16GB XtendFerriSSD	MB651GXADB1	MB619GXCIDF3S	SATA 20GB 3D FerriSSD, C-temp, SLC mode
MO297 SATA 32GB XtendFerriSSD	MB651GXBDBD1	MB619GXDIDF3S	SATA 40GB 3D FerriSSD, C-temp , SLC mode
SATA Family (SLCmode i-temp based SSD) MO297			
MO297 SATA 2GB XtendFerriSSD + i-Temp	MB651GE2DBD1	N/A	
MO297 SATA 4GB XtendFerriSSD + i-Temp	MB651GE4DBD1	N/A	
MO297 SATA 8GB XtendFerriSSD + i-Temp	MB651GE8DBD1	MB619GEBIDF3S	SATA 10GB 3D FerriSSD, i-temp, SLC mode
MO297 SATA 16GB XtendFerriSSD + i-Temp	MB651GEADB1	MB619GECIDF3S	SATA 20GB 3D FerriSSD, i-temp, SLC mode
MO297 SATA 32GB XtendFerriSSD + i-Temp	MB651GEBDBD1	MB619GEDIDF3S	SATA 40GB 3D FerriSSD, i-temp , SLC mode
SATA Family (MLC based SSD) MO300A		SATA Family (DRAM + BICS4 3D TLC based SSD) MODULE MO300A	
MO300A SATA 4GB CommericalFerriSSD	MC611GX4DBD1	N/A	
MO300A SATA 8GB CommericalFerriSSD	MC611GX8DBD1	N/A	
MO300A SATA 16GB CommericalFerriSSD	MC611GXADB1	N/A	
MO300A SATA 32GB CommericalFerriSSD	MC611GXBDBD1	MC619GXBIDF3T	SATA 32GB 3D FerriSSD, C-temp, TLC mode
MO300A SATA 64GB CommericalFerriSSD	MC611GXCDBD1	MC619GXCIDF3T	SATA 64GB 3D FerriSSD, C-temp, TLC mode
SATA Family (SLCmode based SSD) MO300A			
MO300A SATA 2GB XtendFerriSSD	MC651GX2DBD1	N/A	
MO300A SATA 4GB XtendFerriSSD	MC651GX4DBD1	N/A	
MO300A SATA 8GB XtendFerriSSD	MC651GX8DBD1	MC619GXBIDF3S	SATA 10GB 3D FerriSSD, C-temp, SLC mode
MO300A SATA 16GB XtendFerriSSD	MC651GXADB1	MC619GXCIDF3S	SATA 20GB 3D FerriSSD, C-temp, SLC mode
MO300A SATA 32GB XtendFerriSSD	MC651GXBDBD1	MC619GXDIDF3S	SATA 40GB 3D FerriSSD, C-temp, SLC mode

SATA Family (SLCmode i-temp based SSD) MO300A			
MO300A SATA 2GB XtendFerriSSD + i-Temp	MC651GE2DBD1	N/A	
MO300A SATA 4GB XtendFerriSSD + i-Temp	MC651GE4DBD1	N/A	
MO300A SATA 8GB XtendFerriSSD + i-Temp	MC651GE8DBD1	MC619GEBIDF3S	SATA 10GB 3D FerriSSD, C-temp, SLC mode
MO300A SATA 16GB XtendFerriSSD + i-Temp	MC651GEADB1	MC619GECIDF3S	SATA 20GB 3D FerriSSD, C-temp, SLC mode
MO300A SATA 32GB XtendFerriSSD + i-Temp	MC651GEBDBD1	MC619GEDIDF3S	SATA 40GB 3D FerriSSD, C-temp, SLC mode
EOL PRODUCT DESCRIPTION	EOL P/N	REPLACEMENT P/N	REPLACEMENT PRODUCT DESCRIPTION
SATA Family (DRAM + MLC based SSD) MO297			SATA Family (DRAM + BICS4 3D TLC based SSD) MODULE MO297
MO297 SATA 16GB CommericalFerriSSD	MB619GXAFCD3	N/A	
MO297 SATA 32GB CommericalFerriSSD	MB619GXBFC3	MB619GXBIDF3T	SATA 32GB 3D FerriSSD, C-temp , TLC mode
MO297 SATA 64GB CommericalFerriSSD	MB619GXCFC3	MB619GXCIDF3T	SATA 64GB 3D FerriSSD, C-temp , TLC mode
MO297 SATA 128GB CommericalFerriSSD	MB619GXDFCD3	MB619GXDIDF3T	SATA 128GB 3D FerriSSD, C-temp , TLC mode
SATA Family (DRAM + SLCmode based SSD) MO297			
MO297 SATA 8GB XtendFerriSSD	MB659GX8FCD3	MB619GXBIDF3S	SATA 10GB 3D FerriSSD, C-temp, SLC mode
MO297 SATA 16GB XtendFerriSSD	MB659GXAFCD3	MB619GXCIDF3S	SATA 20GB 3D FerriSSD, C-temp, SLC mode
MO297 SATA 32GB XtendFerriSSD	MB659GXBFC3	MB619GXDIDF3S	SATA 40GB 3D FerriSSD, C-temp , SLC mode
MO297 SATA 64GB XtendFerriSSD	MB659GXCFCD3	MB619GXEIDF3S	SATA 80GB 3D FerriSSD, C-temp , SLC mode
SATA Family (DRAM + MLC based SSD) MO300A			SATA Family (DRAM + BICS4 3D TLC based SSD) MODULE MO300A
MO300A SATA 16GB CommericalFerriSSD	MC619GXAFCD3	N/A	
MO300A SATA 32GB CommericalFerriSSD	MC619GXBFC3	MC619GXBIDF3T	SATA 32GB 3D FerriSSD, C-temp, TLC mode
MO300A SATA 64GB CommericalFerriSSD	MC619GXCFC3	MC619GXCIDF3T	SATA 64GB 3D FerriSSD, C-temp, TLC mode
MO300A SATA 128GB CommericalFerriSSD	MC619GXDFCD3	MC619GXDIDF3T	SATA 128GB 3D FerriSSD, C-temp, TLC mode
SATA Family (DRAM + SLCmode based SSD) MO300A			
MO300A SATA 8GB XtendFerriSSD	MC659GX8FCD3	MC619GXBIDF3S	SATA 10GB 3D FerriSSD, C-temp, SLC mode
MO300A SATA 16GB XtendFerriSSD	MC659GXAFCD3	MC619GXCIDF3S	SATA 20GB 3D FerriSSD, C-temp, SLC mode
MO300A SATA 32GB XtendFerriSSD	MC659GXBFC3	MC619GXDIDF3S	SATA 40GB 3D FerriSSD, C-temp, SLC mode
MO300A SATA 64GB XtendFerriSSD	MC659GXCFCD3	MC619GXEIDF3S	SATA 80GB 3D FerriSSD, C-temp, SLC mode
SATA Family (DRAM + MLC based SSD)			SATA Family (DRAM + BICS4 3D TLC based SSD) MODULE M.2 (22x42mm)
FerriSSD M.2 SSD MLC NAND DRAM C-temp 16GB SATA	MD619GXAFCD3	N/A	
FerriSSD M.2 SSD MLC NAND DRAM C-temp 32GB SATA	MD619GXBFC3	MD619GXBIDF3T	SATA 32GB 3D FerriSSD, C-temp, TLC mode
FerriSSD M.2 SSD MLC NAND DRAM C-temp 64GB SATA	MD619GXCFC3	MD619GXCIDF3T	SATA 64GB 3D FerriSSD, C-temp, TLC mode
FerriSSD M.2 SSD MLC NAND DRAM C-temp 128GB SATA	MD619GXDFCD3	MD619GXDIDF3T	SATA 128GB 3D FerriSSD, C-temp, TLC mode
SATA Family (DRAM + SLCmode based SSD)			
FerriSSD M.2 2242 module SSD SATA-III 8GB 2D SLCmode NAND C-temp	MD659GX8FCD3	MD619GXBIDF3S	SATA 10GB 3D FerriSSD, C-temp, SLC mode
FerriSSD M.2 2242 module SSD SATA-III 16GB 2D SLCmode NAND C-temp	MD659GXAFCD3	MD619GXCIDF3S	SATA 20GB 3D FerriSSD, C-temp, SLC mode
FerriSSD M.2 2242 module SSD SATA-III 32GB 2D SLCmode NAND C-temp	MD659GXBFC3	MD619GXDIDF3S	SATA 40GB 3D FerriSSD, C-temp, SLC mode
FerriSSD M.2 2242 module SSD SATA-III 64GB 2D SLCmode NAND C-temp	MD659GXCFCD3	MD619GXEIDF3S	SATA 80GB 3D FerriSSD, C-temp, SLC mode
SATA Family (DRAM + MLC based SSD) MODULE M.2 (22x80mm)			SATA Family (DRAM + BICS4 3D TLC based SSD) MODULE M.2 (22x80mm)
FerriSSD M.2 2280 module SSD SATA-III 16GB 2D MLC NAND C-temp	ME619GXAFCD3	N/A	
FerriSSD M.2 2280 module SSD SATA-III 32GB 2D MLC NAND C-temp	ME619GXBFC3	ME619GXBIDF3T	SATA 32GB 3D FerriSSD, C-temp, TLC mode
FerriSSD M.2 2280 module SSD SATA-III 64GB 2D MLC NAND C-temp	ME619GXCFC3	ME619GXCIDF3T	SATA 64GB 3D FerriSSD, C-temp, TLC mode
FerriSSD M.2 2280 module SSD SATA-III 128GB 2D MLC NAND C-temp	ME619GXDFCD3	ME619GXDIDF3T	SATA 128GB 3D FerriSSD, C-temp, TLC mode
SATA Family (DRAM + SLCmode based SSD) MODULE M.2 (22x80mm)			
FerriSSD M.2 2280 module SSD SATA-III 8GB 2D MLC NAND C-temp	ME659GX8FCD3	ME619GXBIDF3S	SATA 10GB 3D FerriSSD, C-temp, SLC mode
FerriSSD M.2 2280 module SSD SATA-III 16GB 2D SLCmode NAND C-temp	ME659GXAFCD3	ME619GXCIDF3S	SATA 20GB 3D FerriSSD, C-temp, SLC mode
FerriSSD M.2 2280 module SSD SATA-III 32GB 2D SLCmode NAND C-temp	ME659GXBFC3	ME619GXDIDF3S	SATA 40GB 3D FerriSSD, C-temp, SLC mode
FerriSSD M.2 2280 module SSD SATA-III 64GB 2D SLCmode NAND C-temp	ME659GXCFCD3	ME619GXEIDF3S	SATA 80GB 3D FerriSSD, C-temp, SLC mode
EOL PRODUCT DESCRIPTION	EOL P/N	REPLACEMENT P/N	REPLACEMENT PRODUCT DESCRIPTION
Ferri-eMMC BICS3 3D TLC (100 ball package)			Ferri-eMMC BICS4 3D TLC (100 ball package)
Ferri-eMMC BGA 100-b eMMC 3D TLC NAND C-temp 5GB, SLC mode	SM662GXA-BD5S	SM662GXA-BESS	Ferri-eMMC BGA 100-b eMMC 3D TLC NAND C-temp 5GB, SLC mode

Ferri-UFS BGA 153-b eMMC 3D TLC NAND C-temp 64GB, TLC mode	SM671PXC-ADST	SM671PXC-AFST	Ferri-UFS BGA 153-b eMMC 3D TLC NAND C-temp 64GB, TLC mode
Ferri-UFS BGA 153-b eMMC 3D TLC NAND C-temp 128GB, TLC mode	SM671PXD-ADST	SM671PXD-AFST	Ferri-UFS BGA 153-b eMMC 3D TLC NAND C-temp 128GB, TLC mode
Ferri-UFS BGA 153-b eMMC 3D TLC NAND C-temp 256GB, TLC mode	SM671PXE-ADST	SM671PXE-AFST	Ferri-UFS BGA 153-b eMMC 3D TLC NAND C-temp 256GB, TLC mode
Ferri-UFS BGA 153-b eMMC 3D TLC NAND I-temp 16GB, TLC mode	SM671PEA-ADST	SM671PEA-AFST	Ferri-UFS BGA 153-b eMMC 3D TLC NAND I-temp 16GB, TLC mode
Ferri-UFS BGA 153-b eMMC 3D TLC NAND I-temp 32GB, TLC mode	SM671PEB-ADST	SM671PEB-AFST	Ferri-UFS BGA 153-b eMMC 3D TLC NAND I-temp 32GB, TLC mode
Ferri-UFS BGA 153-b eMMC 3D TLC NAND I-temp 64GB, TLC mode	SM671PEC-ADST	SM671PEC-AFST	Ferri-UFS BGA 153-b eMMC 3D TLC NAND I-temp 64GB, TLC mode
Ferri-UFS BGA 153-b eMMC 3D TLC NAND I-temp 128GB, TLC mode	SM671PED-ADST	SM671PED-AFST	Ferri-UFS BGA 153-b eMMC 3D TLC NAND I-temp 128GB, TLC mode
Ferri-UFS BGA 153-b eMMC 3D TLC NAND I-temp 256GB, TLC mode	SM671PEE-ADST	SM671PEE-AFST	Ferri-UFS BGA 153-b eMMC 3D TLC NAND I-temp 256GB, TLC mode
Ferri-UFS BGA 153-b eMMC 3D TLC NAND 16GB Automotive Grade3, TLC mode	SM671PAA-ADST	SM671PAA-AFST	Ferri-UFS BGA 153-b eMMC 3D TLC NAND 16GB Automotive Grade3, TLC mode
Ferri-UFS BGA 153-b eMMC 3D TLC NAND 32GB Automotive Grade3, TLC mode	SM671PAB-ADST	SM671PAB-AFST	Ferri-UFS BGA 153-b eMMC 3D TLC NAND 32GB Automotive Grade3, TLC mode
Ferri-UFS BGA 153-b eMMC 3D TLC NAND 64GB Automotive Grade3, TLC mode	SM671PAC-ADST	SM671PAC-AFST	Ferri-UFS BGA 153-b eMMC 3D TLC NAND 64GB Automotive Grade3, TLC mode
Ferri-UFS BGA 153-b eMMC 3D TLC NAND 128GB Automotive Grade3, TLC mode	SM671PAD-ADST	SM671PAD-AFST	Ferri-UFS BGA 153-b eMMC 3D TLC NAND 128GB Automotive Grade3, TLC mode
Ferri-UFS BGA 153-b eMMC 3D TLC NAND 256GB Automotive Grade3, TLC mode	SM671PAE-ADST	SM671PAE-AFST	Ferri-UFS BGA 153-b eMMC 3D TLC NAND 256GB Automotive Grade3, TLC mode
Ferri-UFS BGA 153-b eMMC 3D TLC NAND 32GB Automotive Grade2, TLC mode	SM671PBB-ADST	SM671PBB-AFST	Ferri-UFS BGA 153-b eMMC 3D TLC NAND 32GB Automotive Grade2, TLC mode
Ferri-UFS BGA 153-b eMMC 3D TLC NAND 64GB Automotive Grade2, TLC mode	SM671PBC-ADST	SM671PBC-AFST	Ferri-UFS BGA 153-b eMMC 3D TLC NAND 64GB Automotive Grade2, TLC mode
Ferri-UFS BGA 153-b eMMC 3D TLC NAND 128GB Automotive Grade2, TLC mode	SM671PBD-ADST	SM671PBD-AFST	Ferri-UFS BGA 153-b eMMC 3D TLC NAND 128GB Automotive Grade2, TLC mode
Ferri-UFS BGA 153-b eMMC 3D TLC NAND 256GB Automotive Grade2, TLC mode	SM671PBE-ADST	SM671PBE-AFST	Ferri-UFS BGA 153-b eMMC 3D TLC NAND 256GB Automotive Grade2, TLC mode