								10 <u>0</u> «	ntact Us 💿 Part Number Search 🔿 Keywo	ord Search			
TOSHIBA Leading Innovation >>>	Semiconductor & Storage Products Company								» Cross Reference Search				
Home		Products				Applications		Support	About Us				
Main Menu			TOSN										
» <u>Home Page</u>			68 e-N	BA	1×								
Applications	Home, Memory, NAND Flash, MLC NAND, @+MMC™												
Products	e•MMC™												
 » ASIC & Foundry » ASSPs » Diodes » Displays & Devices » Driver IC » General Purpose Linear ICs 	an embedo error correo worry of cor	ded MMC memory devic ctions, wear leveling an	ce (<i>e</i> -MM Id bad-bl	C™ com ock mar	npliant). Si nagement	nce <i>e</i> •MMC [™] integrates	a NAND flash memory a arts have compatible pin-	nd a controller chip in a single	ily use <i>e</i> =MMC™ in various products as package, it can perform such controls as generations. This frees users from the	Memory Contact Memory sales in Europe News Releases Documents			
» General Purpose Logic ICs			e-MMC	Speed F	Power Supply		Operating Temperature			\sim			
» <u>Memory</u> » <u>Emb. NAND Flash</u>	Capacity	Part Number	Version		Vcc (V)	VccQ (V)	Operating Temperature (°C)	Package					
» <u>SLC NAND</u>	2 GByte	THGBM4G4D1HBAIR	4.41	to 52		1.65 to 1.95, 2.7 to 3.62							
» SLC NAND Small	4 GByte	THGBM5G5A1JBAIR*		to 200		1.70 to 1.95, 2.7 to 3.6		P-VFBGA153-1113-0.50-002		NAND-Flash Video			
Block	8 GByte	THGBM5G6A2JBAIR*		to 200		1.70 to 1.95, 2.7 to 3.6				-			
» <u>SLC NAND Large</u> <u>Block</u>	16 GByte	THGBM5G7A2JBAIM* THGBM5G8A4JBAIM*		-	2.7 to 3.6	1.70 to 1.95, 2.7 to 3.6	-25 to 85	P-VFBGA169-1216-0.50-001					
» SLC NAND Large	32 Gbyte 64 Gbyte	THGBM5G9B8JBAIE*		to 200	9	1.70 to 1.95, 2.7 to 3.6	-	P-TFBGA169-1216-0.50A4		TOSH			
Capacity » <u>SLC NAND Toggle</u>	1201010-0010-0000	THGBM4T0DBGBAIJ		to 52		1.65 to 1.95, 2.7 to 3.6		P-FBGA169-1418-0.50-001		BENAND Video			
Interface > BENAND™ > MLC NAND Flash > e•MMC™ > SmartNAND™	*: New Pro	duct			roduct info	rmation and request tec	1		1				
 » <u>MCP Memory</u> » <u>Content Storage</u> <u>Solutions</u> » FlashAir™ Wireless 	NAND	2		e•MM									

- » <u>FlashAir™ Wireless</u> LAN SD Card
- » <u>Cards & USB Sticks</u> for Consumers
- » <u>Microcontroller</u>
- » Optical Semiconductor Devices
- » Radio-Frequency
- SS
 CPU

 SKS
 CPU

 Bad Block
 High-added

 Management &
 Wear Leveling

 ECC
 NAND I/F

 NAND I/F
 Less susceptible to the impact of specification changes arising from

<u>Devices</u>	MLC NAND Driver Changes in NAND generations MLC NAND Chip Solid line: Hardware Dotted line: Software e•MMC [™] is the trademark of JEDEC/MM	HS-MMC I/F Bad Block Management & Wear Leveling ECC NAND I/F MLC NAND Chip			
Search Search Datasheets on Toshiba Semicon. site Site Search >	Back to Top Back to Memory home				
					t <u>To Top</u>
A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9 EDMO D EEE COM KORD ER 49		- *	Company and a the state of the	