



Product Change Notice (PCN)

Changed Product: PHANES-F Series Wide Temperature MLC MicroSD Memory Card 3.0	Doc. No.: PCN_099-XXMSD-PFITMA-1V0
	Date: 2016 / 04 / 14
Change Description and the reasons: Toshiba MLC flash IC manufacturing process has been upgraded from A19nm to 15nm. As Toshiba MLC A19nm flash IC chips announced EOL in 2015, in order to adapt to the MLC flash trend, APRO will now transit all Toshiba MLC A19nm products to Toshiba MLC 15nm products for longer lifetime and more stable availability.	
If you have any questions, please contact with your APRO Sales Account Manager.	
Key Dates: Last Buy: 2016 / 07 / 31 Last Shipment: 2015 / 10 / 31	

Part Number List (Max. 20 codes)			
Operating Temp.	Capacity	Before Change	After Change
Standard Temp. 0°C~70°C			
Operating Temp.	Capacity	Before Change	After Change
Wide Temp. -40°C~85°C	4GB	WPMSD004G-PFI TMA ¹	WPMSD004G-PFITMB
	8GB	WPMSD008G-PFITMA	WPMSD008G-PFITMB
	16GB	WPMSD016G-PFITMA	WPMSD016G-PFITMB
	32GB	WPMSD032G-PFITMA	WPMSD032G-PFITMB
	64GB	WPMSD064G-PFITMA	WPMSD064G-PFITMB

Remarks:

1. (R) stands for Rugged Metal CF frame

2. TMA vs TMB:

TMA stands for Toshiba MLC A19nm flash IC

TMB stands for Toshiba MLC 15nm flash IC

Production Management	Engineering Department	Product Management	Sales Department
Bonnie Pong	James Hsu	Andy Lin	Allie Chen