Product 1

Part Number		TMPM066FWUG (in mass production)	
Main	CPU	ARM® Cortex®-M0	
specifications	Maximum frequency	24 MHz	
	Built-in memory	128 Kbyte Flash, 16 Kbyte SRAM	
	Operating voltage	1.8 to 3.6 V	
	DMA	28 channels (1 unit)	
	USB	1 channel (full-speed device)	
	10-bit ADC	8 channels	
	UART/SIO	2 channels	
	I ² C	2 channels	
	16-bit Timer	10 channels	
	High resolution PPG	1 unit, 4 outputs	
	External interrupt pin	6 pins	
	TSPI	1 channel	
	Package	LQFP64 (10 mm x 10 mm, 0.5 mm pitch)	

Product 2

Part number			TMPM46BF10FG (in mass production)
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Main	CPU		ARM® Cortex®-M4F
specification	Maximum frequency		120 MHz
	Built-in memory		1024 Kbyte Flash, 513 Kbyte
		-	SRAM
	Operating voltage	_	2.7 to 3.6 V
	12-bit ADC	-	8 channels
	DMA	-	32 channels (3 units)
	16-bit Timer		8 channels
	Interrupt input	<u>.</u>	16 channels

Clock-independent	1 unit	
WDT		
SSP	3 channels	
SIO/UART	4 channels	
Full UART	2 channels	
<u>12C</u>	3 channels	
SLC NAND Flash	1 unit	
controller	· · · · · · · · · · · · · · · · · · ·	
Advanced Encryption	1 unit	
Standard (AES)		
Hash function	1 unit	
generator		
(SHA)		
Random number seed	1 unit	
generator (ESG)		
Multiple-length	1 unit	
arithmetic		
circuit (MLA)		
Package	LQFP100	
	(14 mm x 14 mm, 0.5 mm pitch)	