

Microcomputer & Peripheral LSI

4-Bit Microcontroller

TLCS-42 Series (CMOS)

X44

Type	Function	ROM (byte)	RAM (nibble)	I/O Port (bit)	Min. Instruction Execution Time (μs)	Supply Voltage (V)	Package	Piggyback board
TMP42C40P	Standard	0.5K	32	11	1.0 (2.5)	4.5~6.0 (4.0~6.0)	DIP16	BM4211B
TMP42C60P		1K		23			SDIP28 SOP28	
TMP42C50N/M		0.5K						
TMP42C70N/M		1K		15			DIP20	BM4212A
TMP42C66P	Pulse (Remote-controller) output circuit AC zero-crossing detection circuit	1K	32	15	1.0 (2.5)	4.5~6.0 (4.0~6.0)	DIP20	BM4212A
TMP42C00Y	Evaluator chip			(External 1K)			23	PGA64

Note) Postfix P: Plastic standard DIP (DIP), N: Plastic shrunk DIP (SDIP), Y: Ceramic pin grid array package (PGA), M: Plastic small outline package (SOP), Operating temperature: -40 ~ 85°

TLCS-47E Series (CMOS)

X44

Type	Function	ROM (byte)	RAM (nibble)	I/O Port (bit)	Min. Instruction Execution Time (μs)	Supply Voltage (V)	Package	Piggyback	One-time PROM
TMP47C101P/M	LED driver	1K	64	11	1.3	2.2~5.5 (Note 2)	DIP16 SOP16	TMP47C990E	TMP47P201VP
TMP47C201P/M		2K	128	15			DIP20 SOP20	—	**TMP47P202VP
TMP47C102P/M		1K	64						
TMP47C202P/M		2K	128						
TMP47C103N/M	8 bit SIO	1K	64	23	1.3	2.2~5.5 (Note 2)	SDIP28 SOP28	—	TMP47P403VN/VM
TMP47C203N/M		2K	128	21					2.7~6.0
TMP47C241N/M	A/D converter	2K	128	23	2.2~5.5	SDIP28 SOP28	—	**TMP47P443VN/VM	
**TMP47C243N/M									
**TMP47C443N/M		4K	256						
**TMP47C222N/F		LCD driver	2K	192					20
**TMP47C422N/F	4K		256						

Note 1) Postfix P: Plastic standard DIP (DIP), N: Plastic shrunk DIP (SDIP), M: Plastic small outline package (SOP), F: Plastic flat package (QFP)
 Note 2) When CR oscillator is used (when an oscillator is used, 2.2~5.5V)

** : Under development