

Microcomputers and Peripheral ICs

T-49-01

• 4-Bit Single-Chip Microcomputers

Type No.	Process	Supply Voltage (V)	Instruction Time (μ s)	ROM x8	RAM	I/O	Features	Package
μ COM43C Series	CMOS	+5	10	2k	96 $\times$ 4	4 bit $\times$ 8		42-pin DIP
				1k	64 $\times$ 4	3 bit		
				1k	32 $\times$ 4	4 bit $\times$ 5 1 bit		28-pin DIP
μ COM7500 Series	CMOS	2.7 ~ 5.5	20 ~ 10	2k	128 $\times$ 4	4 bit $\times$ 5	LCD Driver Standby Mode	64-pin Flat
				4k	224 $\times$ 4	3 bit		
				1k	64 $\times$ 4	4 bit $\times$ 5 2 bit	Standby	28-pin DIP
			5	2k	128 $\times$ 4			28-pin DIP
								40-pin DIP
				4k	224 $\times$ 4		FIP Controller Driver High-Voltage Output	64-pin
								40-pin

* Under development

• 8-Bit Single-Chip Microcomputers

Type No.		Process	Supply Voltage (V)	Instruction Time (μs)	ROM x8	RAM	I/O	Features	Package
μCOM84 Series	μPD8021C	NMOS	+ 5	8.38	1k	64 × 8	8 bit × 2 4 bit	Zero Cross High Output Current	28-pin DIP
	μPD8022C				8 bit × 3		8 bit A/D Converter	40-pin DIP	
	μPD8048HC			Memory & I/O Expandable					
	μPD8049HC			Standby Mode					
	μPD80C48C	CMOS		2.5		1k	64 × 8		
	μPD80C49C			2.5	2k	128 × 8			
μCOM87 Series	μPD7801G	NMOS	+ 5	2	4k	128 × 8	8 bit × 6	Expandable Memory 64 kB	64-pin (QUIP)
	μPD7802G			3	6k	64 × 8			
	μPD7811G			1	4k	256 × 8	44	8 bit A/D Converter 8 bit × 8 bit 16 bit ÷ 8 bit	

* Under development

• Evaluation Chips for Single-Chip Microcomputers

Type No.	Process	Functions	Package
μ PD7500G	CMOS	Evaluation Chip for μ COM75 Series	64-pin (QUIP)
μ PD8035HLC	NMOS	ROM Less Version of μ PD8048HC	40-pin DIP
μ PD8039HLC		ROM Less Version of μ PD8049C	
μ PD80C35C	CMOS	ROM Less Version of μ PD80C48HC	
μ PD80C39C		ROM Less Version of μ PD80C49C	
μ PD7800G	NMOS	Evaluation Chip for μ PD7801G/7802G	64-pin (QUIP)
* μ PD7810G		Evaluation Chip for μ PD7811G	
μ PD8748D	NMOS	EPROM Version of μ PD8048HC	40-pin DIP
μ PD8749HD	NMOS	EPROM Version of μ PD8049HC	40-pin DIP
* μ PD75CG08E	CMOS	PIGGYBACK Version of μ PD7507/08C	40-pin DIP
* μ PD87PG11E	NMOS	PIGGYBACK Version of μ PD7811G	64-pin (QUIP)

* Under development

• Peripheral ICs

Type No.	Process	Functions	Package
μ PD8253C-5	NMOS	Programmable Interval Timer (Triple 16-bit Timers)	24-pin DIP
μ PD8355C/D	NMOS	2048 $\times$ 8 bit Mask ROM, 16-bit I/O	40-pin DIP