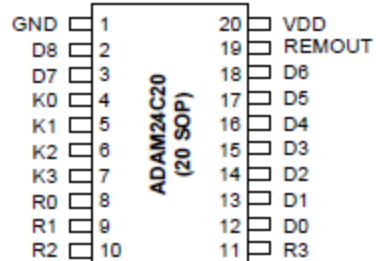


## 4-BIT SINGLE CHIP MICROCOMPUTERS

# ADAM24C20

The ADAM24XXX is remote control transmitter which uses CMOS Technology.  
The ADAM24XXX is suitable for remote control of TV, VCR, FANS, Air-conditioners, Audio Equipments, Toys, Games etc.

- ▶ Program Memory
  - 1,096 bytes(1,024 x 8bit)
- ▶ Data Memory (RAM)
  - 32nibble(32 x 4bit)
- ▶ 3 levels of subroutine nesting
- ▶ 8-bit Table Read Instruction
- ▶ Oscillator Type(Operation frequency)
  - Internal RC Oscillator(typ.3.64MHz±2%)
- ▶ Instruction Cycle
  - fosc/48
- ▶ Stop mode
- ▶ Released stop mode by key input
- ▶ Built in Power-on Reset Circuit, WDT
- ▶ Built in Transistor for I.R LED Drive
  - IOL=250mA at VDD=3V and Vo=0.3V
- ▶ Built in Low Voltage Reset Circuit
- ▶ Low Operating Voltage
  - 1.8 ~ 3.6V



Series	ADAM24C20 ADAM24C20T	ADAM24C16 ADAM24C16T
Program memory	1,024 x 8	1,024 x 8
Data memory	32 x 4	32 x 4
Input ports	8	4
I/O ports	2	2
Output ports	10	8
Package	20SOP(300mil) 20TSSOP(4.4mm)	16SOP(150mil) 16TSSOP(4.4mm)

Table 1.1 ADAM24CXX series members