



3-STATE 531,441 CODES BUILT-IN IR CARRIER

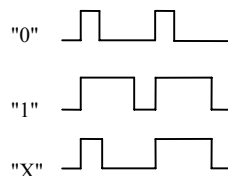
3 态 531,441 码 内建红外线发射器

EN/DECODER	
M3162/M3172/F	

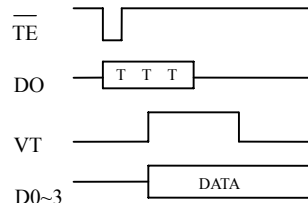
FEATURES 功能叙述

- M3162 — 3 State Encoder
M3162-IR: Built-in IR carrier
- M3172 — 3 State Decoder
M3172-L: Latch data outputs.
M3172-M: Momentary data outputs.
M3172F: Full address type.
- S.O. Package 20P — suffix-S.

BIT FORMAT



PROTOCOL



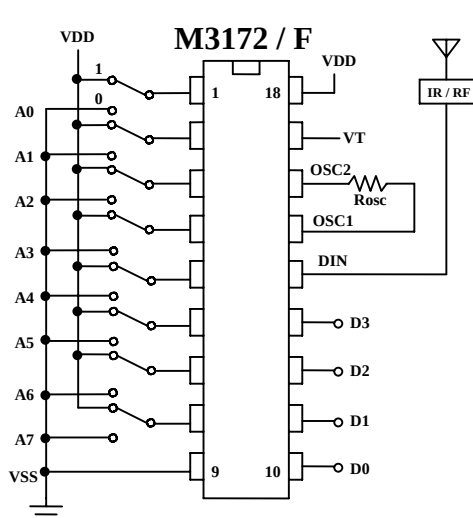
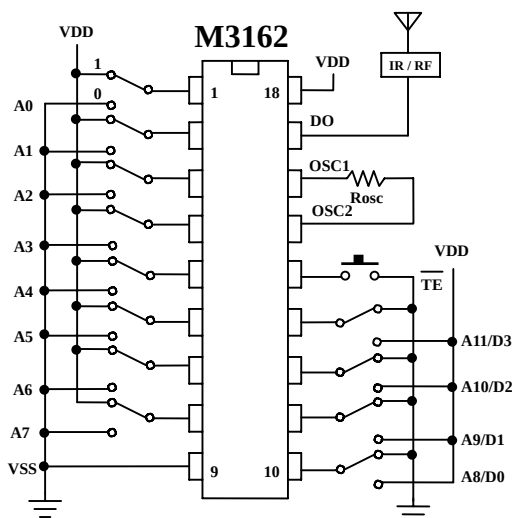
APPLICATION 产品应用

- Security alarm, Remote control. 防盗系统, 任何遥控装置.

ELECTRICAL CHARACTERISTICS 电气规格

Characteristics	Sym.	Min.	Typ.	Max.	Unit	REMARKS
工作电压 Operating Voltage	V_{DD}	2.4	—	15	V	M3162 Encoder
		—	3	5	V	M3172 Decoder
工作电流 Operating Current	I_{OP}	—	0.1	1	mA	No load
静态电流 Quiescent Current	I_{SB}	—	0.1	0.5	μA	M3162 Encoder
		—	1	10	μA	M3172 Decoder
推动电流 Driving Current	I_{OL}	—	2	—	mA	@ $V_{DS}=1.2V$
振荡频率 Oscillator Frequency	F_{OSC}	—	76	—	KHz	M3162 External $\pm 30\%$, $R_{osc}=390K \Omega$
		—	38	—	KHz	M3172 External $\pm 30\%$, $R_{osc}=1.1M \Omega$
工作温度 Operating Temperature	Temp.	-20	25	60	$^{\circ}C$	

APPLICATION DIAGRAM 参考电路图



* R_{osc} : M3162=390K Ω ; M3172=1.1M Ω

*All specs and applications shown above subject to change without prior notice.

(以上电路及规格仅供参考,本公司得径行修正)