

PCM Remote Control Transmitter

The MC14497 is a PCM remote control transmitter realized in CMOS technology. Using a dual-single (FSK/AM) frequency bi-phase modulation, the transmitter is designed to work with the MC3373 receiver. Information on the MC3373 can be found in the Motorola *Linear and Interface Integrated Circuits* book (DL128/D).

There is not a decoder device which is compatible with the MC14497. Typically, the decoding resides in MCU software.

- Both FSK/AM Modulation Selectable
- 62 Channels (Up to 62 Keys)
- Reference Oscillator Controlled by Inexpensive Ceramic Resonator: Maximum Frequency = 500 kHz
- Very Low Duty Cycle
- Very Low Standby Current: 50 μ A Maximum
- Infrared Transmission
- Selectable Start-Bit Polarity (AM Only)
- Shifted Key Mode Available
- Wide Operating Voltage Range: 4 to 10 V
- See Application Notes AN1016 and AN1203

MC14497



P SUFFIX
PLASTIC DIP
CASE 707

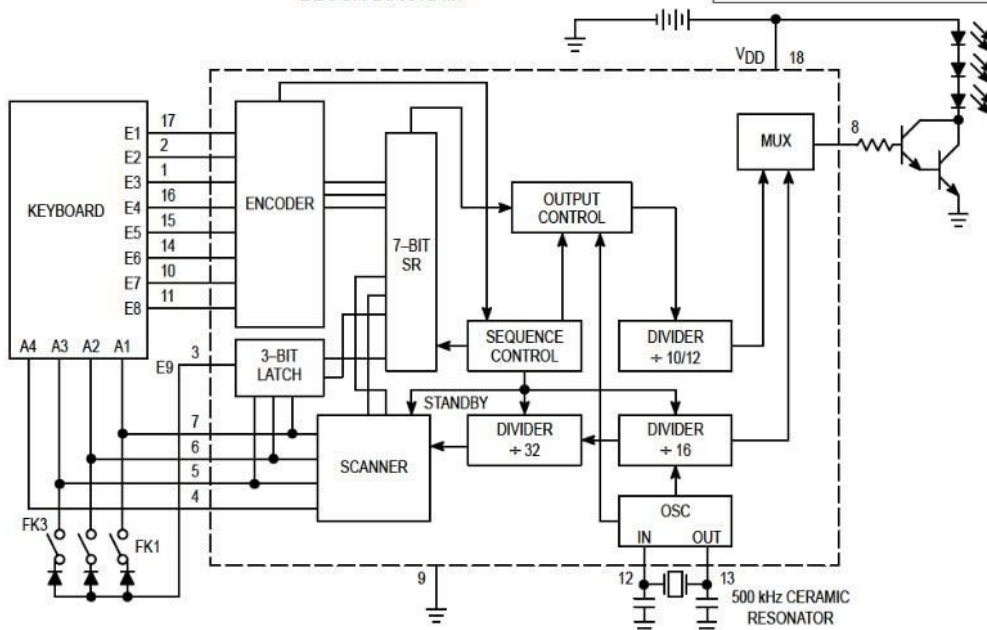
ORDERING INFORMATION

MC14497P Plastic DIP

PIN ASSIGNMENT

E3	1	18	V _{DD}
E2	2	17	E1
E9	3	16	E4
A4	4	15	E5
A3	5	14	E6
A2	6	13	OSC _{out}
A1	7	12	OSC _{in}
SIGNAL OUT	8	11	E8
VSS	9	10	E7

BLOCK DIAGRAM



SAME AS IN DL136/D R3

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