

Special Circuits (continued)
Remote Control (continued)
Encoder/Decoder Pairs (CMOS)
MC145026 Encoder
MC145027 Decoder
MC145028 Decoder
MC145029 Decoder

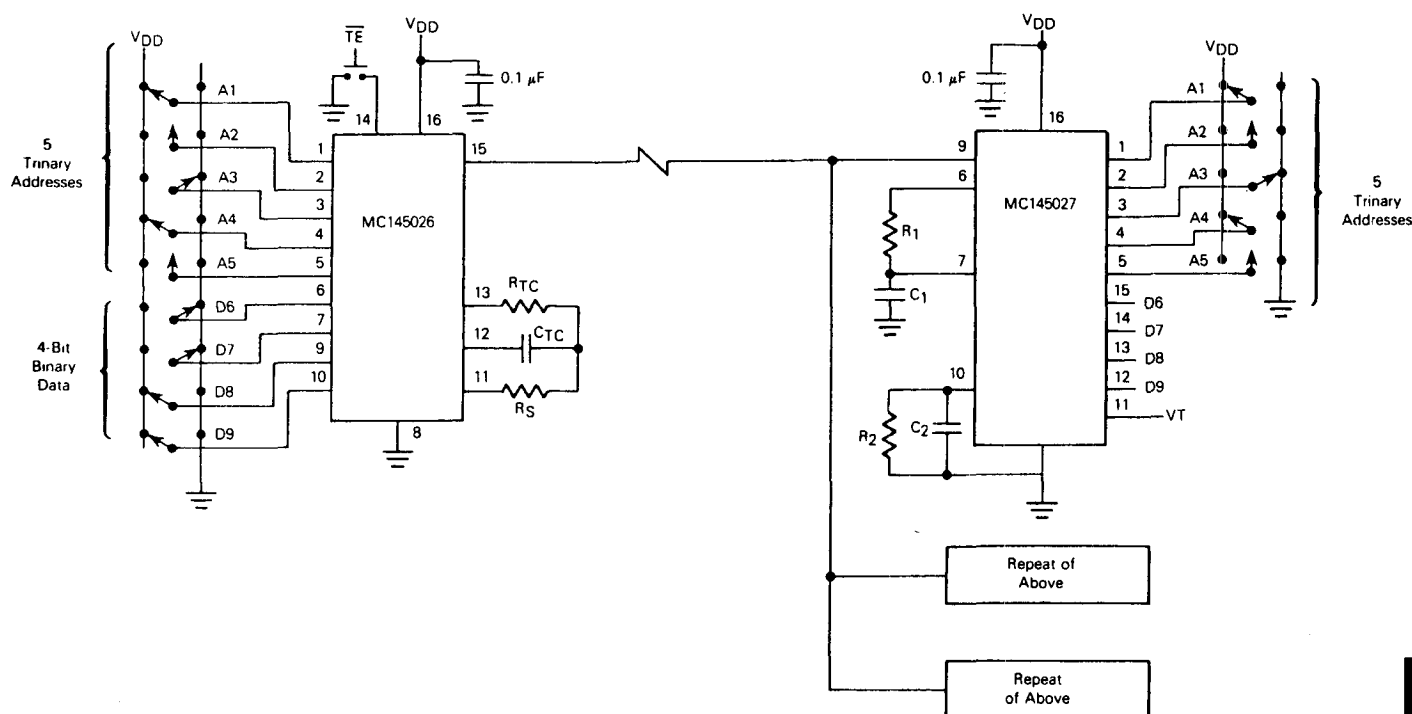
The MC145026 encodes nine bits of information and serially transmits this information. The nine inputs may be encoded with trinary data (0, 1, open) to all 3^9 (19,683) different codes.

The three decoders receive the 9-bit word and interpret some of the bits as address codes and some as data. The MC145027 interprets the first five transmitted bits as address and the last four bits as data. The MC145029 interprets the first four transmitted bits as address and the last five bits as data. The MC145028 treats all nine bits as address.

Features:

- Interfaces with RF, Ultrasonic, or Infrared Transmission Medias
- 4.5 V to 18 V Operation
- On-Chip RC Oscillator; No Crystal Required
- High External Component Tolerance; Can use 5% Components
- Standard B-Series Input and Output Characteristics

TYPICAL APPLICATION



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Zero Voltage Controller
UAA1016B

$T_A = -20$ to $+100^\circ\text{C}$, Case 626

... designed to drive triacs with the Zero Voltage technique which allows RFI free power regulation of resistive loads. They provide the following features:

- Proportional Temperature Control Over an Adjustable Band
- Adjustable Burst Frequency (to Comply with Standards)
- Sensor Fail-Safe
- No dc Current Component Through the Main Line (to Comply with Standards)
- Negative Output Current Pulses (Triacs Quadrants 2 and 3)
- Direct ac Line Operation
- Low External Components Count

