

SEMICONDUCTORS

IC1 – PIC16LF872-I/SO surface mount microcontroller programmed with master unit software

D1-D8, D14 – T1 red LEDs

D9-D12 – T1 yellow LEDs

D13 – T1 green LED

RESISTORS

R1, R2 – 10,000-ohm, 1206 surface mount

R3-R6 – 82-ohm, four individual resistor surface mount array

CAPACITORS

C1 – 22-pF, 1206 surface mount

C2 – 0.1-uF, 1206 surface mount

ADDITIONAL PARTS AND MATERIALS

SW1 – pushbutton switch, momentary on

SW2 – 6mm tact switch, momentary on

J1 – 8-pin modular jack

PC board, master unit

Case

Battery holder for two AA-cells

Two AA Batteries

Hookup wire

Pair of self-adhesive Velcro pads

Four ¼-inch #6 screws

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