

Components list

IC1 = ATmega32
IC2 = MAX232
IC3 = 7805

R1 = 470Ω
R2 = 470Ω
R3 = 470Ω
R4 = 470Ω
R5 = 470Ω
R6 = 470Ω
R7 = 470Ω
R8 = 470Ω
R9 = 470Ω
R10 = 470Ω
R11 = 470Ω
R12 = 470Ω
R13 = 470Ω
R14 = 470Ω
R15 = 470Ω
R16 = 470Ω
R17 = 10k
R18 = 10k
R19 = 10k
R20 = 10k
R21 = 10k
R22 = 10k
R23 = 10k
R24 = 10k
R25 = 10k
R26 = 470Ω
R27 = 240Ω
R28 = 240Ω
R29 = 240Ω
R30 = 240Ω
R31 = 240Ω
R32 = 240Ω
R33 = 240Ω
R34 = 240Ω

ALL RESISTORS ARE SMD

C1 = 100μ
C2 = 10n
C3 = 1μ
C4 = 22p
C5 = 22p
C6 = 10n
C7 = 10n
C8 = 1μ
C9 = 1μ
C10 = 1μ

D1 = LED
D2 = LED
D3 = LED
D4 = LED
D5 = LED
D6 = LED
D7 = LED
D8 = LED
D9 = LED

7Seg1 = 7-Segment COM ANODE

POWER = MINI JACK
USB = STANDARD B
CN1 = SUB-D 9
ISP = A3E-10 PIN

PA = A3E-10 PIN
PB = A3E-10 PIN
PC = A3E-10 PIN
PD = A3E-10 PIN
I2C = A3E-10 PIN
7SD = A3E-10 PIN
LD = A3E-10 PIN
SW = A3E-10 PIN

RESET = BOARD SWITCH
SW = BOARD SWITCH
SW = BOARD SWITCH
SW = BOARD SWITCH
SW = BOARD SWITCH
SW = BOARD SWITCH
SW = BOARD SWITCH
SW = BOARD SWITCH

XT1 = XTAL