

POCKET PAL VERSION 2 (with ADDED R20 & R21)

DESIGNATORS	VALUE	COMPONENT	MARKING
R1	200K	RESISTOR	RED-BLK-BLK-ORG-BRN
R2	20K	RESISTOR	RED-BLK-BLK-RED-BRN
R3,R7,R9,R10	2K	RESISTOR	RED-BLK-BLK-BLK-BRN-BRN
R4	200	RESISTOR	RED-BLK-BLK-BLK-BRN
R5	6.2	RESISTOR	BLU-RED-GLD-GLD
R6	10	RESISTOR	BRN-BLK-BLK-GLD
R8,R15,R21	1M	RESISTOR	BRN-BLK-GRN / 1004F
R11	10K	RESISTOR	BRN-BLK-ORG
R12	22K	RESISTOR	RED-RED-ORG
R13	180	RESISTOR	BRN-GRY-BRN
R14	100K	RESISTOR	BRN-BLK-GRN
R16	100	RESISTOR	BRN-BLK-BLK-BLK-BRN
R17	300	RESISTOR	ORG-BLK-BLK-BLK-BRN
R18	39K	RESISTOR	ORG-WHT-ORG
R19	1K	RESISTOR	BRN-BLK-RED
R20	820K	RESISTOR	GRY-RED-BLK-ORG-BRN
P1	500	POTENTIOMETER	
C1,C2,C3,C4,C13	.1uf	MONOLYTHIC CAPACITOR	104
C5	680pf	MONOLYTHIC CAPACITOR	681
C6	150pf	MONOLYTHIC CAPACITOR	151
C7,C12	1000pf	MONOLYTHIC CAPACITOR	102
C8,C10	56pf	MONOLYTHIC CAPACITOR	560
C9	1.0uf	TANTALUM CAPACITOR	1
C14	10uf	TANTALUM CAPACITOR	10
D1,D2,D3,D4	1N4148	DIODE	4148
D3	1N6263	DIODE	6263
Q1,Q2	LM78L05	VOLT REGULATOR	78L05
Q3	MPF102	TRANSISTOR	MPF 102
Q4	2N4403	TRANSISTOR	2N4403
Q5	2N2222	TRANSISTOR	PN2222
J1	26P female IDC	HEADER CONNECTOR	
J1	1x2x.1" male	HEADER CONNECTOR	
J1	1x2X.1" female	HEADER CONNECTOR	
J2	1x3x.1" male	HEADER CONNECTOR	
J2	1x3x.1" female	HEADER CONNECTOR	
J2	.1" term pins	HEADER CONNECTOR	
J3	1x2x.1" male	HEADER CONNECTOR	
U1,OSC	8 pin	IC SOCKET	
U2	16 pin	IC SOCKET	
U3	14 pin	IC SOCKET	

Sheet1

U1	08M	MICROCONTROLLER	PICAXE 08M
U2	74HC4020	INTEGRATED CIRCUIT	74HC4020
U3	74HC7474	INTEGRATED CIRCUIT	74HC7474
OSC	CLOCK OSC.	INTEGRATED CIRCUIT	14.31818
A,B	TACT. SW	TACTILE SWITCH	
9V	9V. BAT.snap	battery snap	
PZO	Piezo	SOUNDER	
PRINTED CIRCUIT BOARD			
MINT TIN			