STEP 3: ADD 4 LED MODULES. IMPORTANT: MAKE SURE THE LETTERING ON THE MODULES IS AT THE <b>BOTTOM</b> . SOLDER ONCE MODULES ARE IN PLACE.	$  \begin{array}{c}    1 \\    20 \\    4 \\    2 \\    3 \\    1 \\    1 \\    1 \\    2 \\    1 \\    1 \\    2 \\    1 \\    1 \\    5 \\    1 \\ $	REF. DESIGNATORS Q1 TO Q20 SW1 & SW2 S1, S2, S3 IC1 Q21 C1, C2 C3 IC3, IC4 R1 R5 R2, R3, R4, R8, R9 R10 RED TO +, BLK TO - D1 D2	PARTS LIST 4X3 PCB 2N3904 LTP-1257AA SWITCHES SWITCHES PIC16F877 SOCKET CRYSTAL CAPACITOR CAPACITOR BUSSES RESISTOR RESISTOR RESISTOR RESISTOR RESISTOR BATT. HOLDER DIODE JUMPER	PRINTED CIRCUIT BOARD NPN TRANSISTOR BI-COLOR 5X7 LED MATRIX TOGGLE PUSH BUTTON PRE-PROGRAMMED MICRO 40 PIN SOCKET 4 MEG 22 PF .01 Uf 74HC245 SURFACE MOUNT 140 OHM 1K OHM 10K OHM 47 OHM 4 AA 1N4148
STEP 4: CRYSTAL AND CAPS (21, C1, C2) STEP 7: SOLDER SW1, SW2. THEY ONLY FIT ONE WAY. STEP 8: SOLDER JUMPER IN PLACE OF DIODE STEP 10: SOLDER 40 PIN SOCKET. PAY ATTENTION TO PIN 1 WHEN ADDING THE PIC MICRO. STEP 11: SOLDER BATT SOCKET ALSO C3		AD THE SO PA STEL SOL FOR SOL FOR	E FLAT SIDE EP 1: LDER 74HC245 Y ATTENTION F P5: LDER ALL RESIS R REF. DESIGN, P 6:	FOR PIN 1.