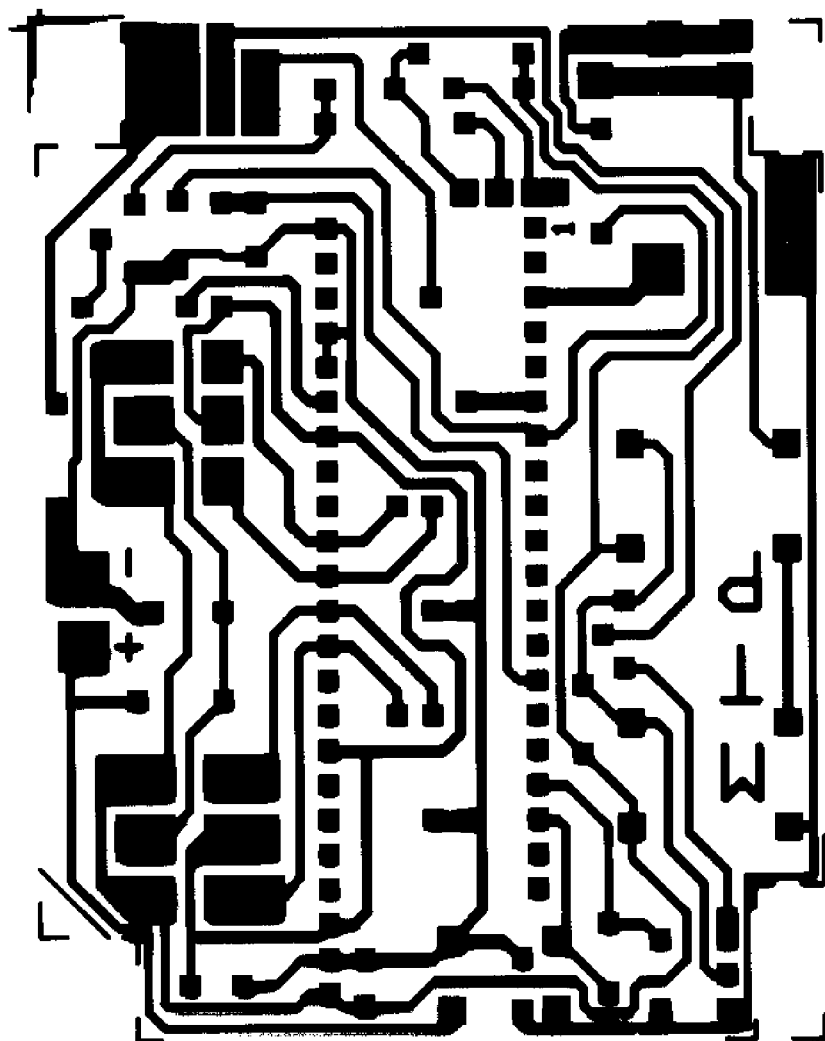
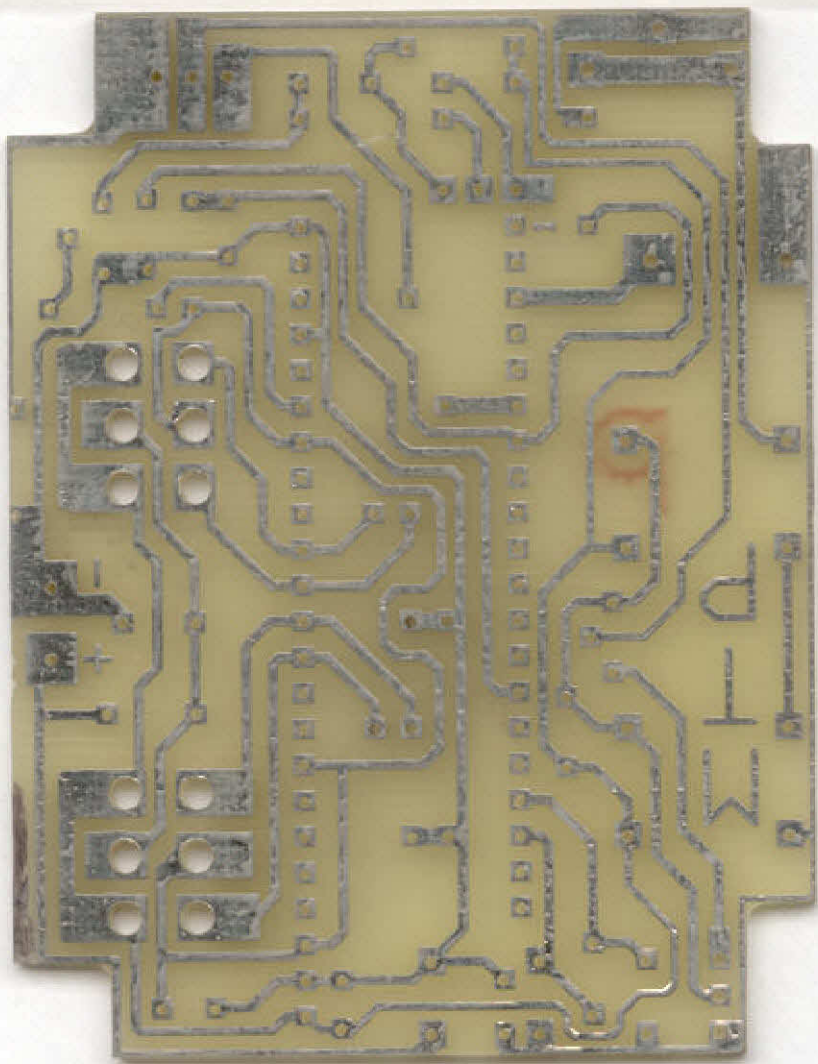






## ESTIMATED COST SAVINGS

### - REPLACEMENT COMPONENT PARTS FOR MICROSTIM DB MODIFIED BOARD LAYOUT -

| PART NO. | DESCRIPTION      | COST<br>(Using Microstim DBS price list May 1995) | REPLACEMENT PART<br>(Using Farnell catalogue April 1999) | FARNELL PART NUMBER | FARNELL ONE OFF PRICE | ESTIMATED SAVING |
|----------|------------------|---------------------------------------------------|----------------------------------------------------------|---------------------|-----------------------|------------------|
|          |                  | £                                                 |                                                          |                     | £                     |                  |
| DB03     | 10K resistor     | 0.02                                              | Not Required                                             |                     | 0.00                  |                  |
| DB12     | 0.33uF capacitor | 0.84                                              | Not Required                                             |                     | 0.00                  |                  |
| DB17     | 12pF capacitor   | 0.07                                              | Not Required                                             |                     | 0.00                  |                  |
| DB18     | 12pF capacitor   | 0.07                                              | Not Required                                             |                     | 0.00                  |                  |
| DB41     | 6 MHz crystal    | 0.77                                              | 4 MHz crystal                                            | 492-917             | 0.57                  |                  |
| DB32     | 40 pin IC socket | 0.85                                              | 18 pin IC socket                                         | 877-372             | 0.24                  |                  |
| DB31     | IC TMS77C82      | 9.92                                              | IC PIC 16F84                                             | 789-586             | 3.47                  |                  |
|          |                  |                                                   |                                                          |                     |                       |                  |
|          |                  | <b>£12.54</b>                                     |                                                          |                     | <b>£4.28</b>          | <b>£8.26</b>     |

# MICROSTIM DB

(PIC 16F84)

## *PARTS AND COMPONENTS*

| Part No. | Item | Description       |
|----------|------|-------------------|
| DB 01    | R1   | 1K RESISTOR       |
| DB 02    | R2   | 1K RESISTOR       |
| DB 04    | R4   | 10K RESISTOR      |
| DB 05    | R5   | 1K RESISTOR       |
| DB 06    | R6   | 470R RESISTOR     |
| DB 07    | R7   | 1K RESISTOR       |
| DB 08    | R8   | 1K RESISTOR       |
| DB 09    | R9   | 1K RESISTOR       |
| DB 10    | R10  | 1K RESISTOR       |
| DB 11    | R11  | 4K7 RESISTOR      |
| DB 13    | C2   | 220 uF CAPACITOR  |
| DB 14    | C3   | 100 uF CAPACITOR  |
| DB 15    | C4   | 4.7 nF CAPACITOR  |
| DB 16    | C5   | 220 uF CAPACITOR  |
| DB 19    | T1   | TRANSFORMER       |
| DB 20    | T2   | TRANSFORMER       |
| DB 21    | TR1  | BC 107 TRANSISTOR |
| DB 22    | TR2  | BC 107 TRANSISTOR |
| DB 23    | TR3  | BD 131 TRANSISTOR |
| DB 24    | TX1  | AUDIO TRANSDUCER  |
| DB 25    | D1   | DIODE             |
| DB 26    | D2   | DIODE             |
| DB 27    | ZD1  | 3V9 ZENER DIODE   |
| DB 28    | ZD2  | 3V9 ZENER DIODE   |
| DB 29    | ZD3  | 3V9 ZENER DIODE   |
| DB 30    | VR1  | 5 VOLT REGULATOR  |

# MICROSTIM DB

(PIC 16F84)

## *PARTS AND COMPONENTS*

| Part No. | Item | Description           |
|----------|------|-----------------------|
| DB 31    | IC1  | I.C. PIC 16F84        |
| DB 32    | SC1  | 18 PIN I.C. SOCKET    |
| DB 33    | CS1  | CASE                  |
| DB 34    | LB1  | FRONT LABEL GREEN     |
| DB 35    | LB2  | BACK LABEL            |
| DB 36    | LB3  | TOP LABEL             |
| DB 37    | RV1  | 10K POTENTIOMETER     |
| DB 38    | S1   | 2 MM SOCKET BLACK     |
| DB 39    | S2   | 2 MM SOCKET RED       |
| DB 40    | KN1  | 22 mm KNOB            |
| DB 41    | XT1  | 4 MHZ CRYSTAL         |
| DB 42    | L1   | TRI COLOUR L.E.D.     |
| DB43     | LR1  | LED CLIP              |
| DB44     | SW1  | SWITCH                |
| DB45     | SB1  | SWITCH BEZEL          |
| DB46     | SR1  | SWITCH ROCKER         |
| DB47     | SW2  | SWITCH                |
| DB48     | SB2  | SWITCH BEZEL          |
| DB49     | SR2  | SWITCH ROCKER         |
| DB50     | PCB  | PRINTED CIRCUIT BOARD |
| DB51     | B    | BATTERY               |
| DB52     | LB4  | KNOB LABEL            |
| DB53     | LB5  | FRONT LABEL WELCOME   |
| DB54     | SL   | STIMULATOR LEADS      |
| DB55     | M    | INSTRUCTION MANUAL    |
| DB56     | CCS  | CARRYING CASE SOFT    |
| DB57     | CCH  | CARRYING CASE HARD    |