









Bill of Materials for ES21 - 10-Stage Sequencer Component Kit V0.0 - Main Board

| Item             | Description                       | Qty | Designator   | Package      |
|------------------|-----------------------------------|-----|--|--------------|
| <b>CAPACITOR</b> |                                   |     |  |              |
| 1                | 10nF 63V Polyester                | 1   | C102   | RAD-0.2      |
| 2                | 10nF 5% Ceramic, Medium K         | 1   | C303   | RAD-0.2N     |
| 3                | 100nF Ceramic Capacitor           | 1   | C103   | RAD-0.2N     |
| 4                | 220nF 63V Polyester               | 1   | C101   | RAD-0.2      |
| 5                | 10uF 35V Electrolytic             | 2   | C301, C302   | RB-D5.0-P2.0 |
| <b>CONNECTOR</b> |                                   |     |  |              |
| 6                | IDC16 Receptacle                  | 3   | J101, J201, J202   | -            |
| 7                | IDC16 Box Header                  | 1   | J301   | 2.54MM       |
| 8                | 14-pin IC Socket 0.3inch          | 1   | U102   | DIP-14       |
| 9                | 16-pin IC Socket 0.3inch          | 1   | U101   | DIP-16       |
| <b>DIODE</b>     |                                   |     |  |              |
| 10               | 6V8 5% 500mW                      | 1   | D501   | DIODE-0.3    |
| 11               | 1N4148                            | 14  | D101, D102, D103, D104, D201, D202, D203, D204, D205, D206, D207, D208, D209, D210 | DIODE-0.3    |
| <b>INDUCTOR</b>  |                                   |     |  |              |
| 12               | Ferrite Bead - 0.45uH 7A          | 1   | L301   | -            |
| <b>LOGIC</b>     |                                   |     |  |              |
| 13               | CD4017 - Decade Counter/Divider   | 1   | U101   | DIP-16       |
| <b>RESISTOR</b>  |                                   |     |  |              |
| 14               | 5 x 10K Commoned Resistor Network | 2   | RN201, RN202   | SIP-6        |
| 15               | Do Not Fit                        | 3   | R105, R106, R107   | -            |
| 16               | 330R 1% 0.5W Metal Film           | 10  | R202, R204, R206, R208, R210, R212, R214, R216, R218, R220                         | AXIAL-0.4    |
| 17               | 1K0 1% 0.5W Metal Film            | 2   | R304, R305   | AXIAL-0.4    |
| 18               | 2K2 1% 0.5W Metal Film            | 1   | R301   | AXIAL-0.4    |
| 19               | 10K 1% 0.5W Metal Film            | 5   | R101, R108, R112, R113, R114   | AXIAL-0.4    |
| 20               | 15K 1% 0.5W Metal Film            | 1   | R303   | AXIAL-0.4    |
| 21               | 100K 1% 0.5W Metal Film           | 1   | R302   | AXIAL-0.4    |









