

Bill of Materials for ED702 - Synth-A-Scope Full Kit V0.1
ED702 - Synth-A-Scope Component Kit

| Item | Description | Qty | Designator | Package |
|------------------|---|-----|---------------------|--------------|
| CAPACITOR | | | | |
| 1 | 1pF 10% Ceramic | 1 | C2 | RAD-0.2N |
| 2 | Trimmer Capacitor 6-30pF | 1 | C3 | - |
| 3 | 120pF 5% Ceramic, Low K | 2 | C4, C5 | RAD-0.2N |
| 4 | 100nF Ceramic | 5 | C1, C6, C7, C8, C11 | RAD-0.2N |
| 5 | 1uF 35V Tantalum | 1 | C12 | RB-D5.0-P5.0 |
| 6 | 10uF 35V Electrolytic | 2 | C9, C10 | RB-D5.0-P2.0 |
| CONNECTOR | | | | |
| 7 | 2x4 Pin Open Header | 1 | JYETECH_B | - |
| 8 | IDC16 Box Header | 1 | J2 | 2.54MM |
| 9 | 2x5 Open Pin Header | 1 | JYETECH_A | 2.54MM |
| 10 | 1x4 Pin RA Header | 1 | J1 | - |
| 11 | 14-pin IC Socket 0.3inch | 1 | U1 | DIP-14 |
| DIODE | | | | |
| 12 | 1N4004 200V 1A | 2 | D1, D2 | DIODE-0.4 |
| HARDWARE | | | | |
| 13 | M3 x 10mm Bolt PH | 1 | U2 | - |
| 14 | HEATSINK - Mini Type 6073B | 1 | U2 | - |
| 15 | M3 Nut | 1 | U2 | - |
| LINEAR | | | | |
| 16 | TL074 Quad JFET Opamp | 1 | U1 | DIP-14 |
| 17 | 7805 +5V 1A Fixed Voltage Regulator | 1 | U2 | TO-220 |
| 18 | 79L05 -5V 100mA Fixed Voltage Regulator | 1 | U4 | TO-92 |
| INDUCTOR | | | | |
| 19 | Ferrite Bead - 0.45uH 7A | 2 | L1, L2 | AXIAL-0.3 |

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| | MODULE | | | |
| 20 | ED702 - Synth-A-Scope Control Board | 1 | JYETECH | - |
| | | | | |
| | OPTO-ELECTRONIC | | | |
| 21 | 3mm HE-Red LED | 1 | D3 | - |
| | | | NB: Reverse on PCB | |
| | | | | |
| | RESISTOR | | | |
| 22 | Do Not Fit | 1 | R20 | - |
| 23 | Wire Link | 1 | D3 | TO FIT |
| | | | NB: See Modification | |
| 24 | 120R 1% 0.5W Metal Film | 2 | R9, R10 | AXIAL-0.4 |
| 25 | 150R 1% 0.5W Metal Film | 1 | R7 | AXIAL-0.4 |
| 26 | 300R 1% 0.5W Metal Film | 1 | R4 | AXIAL-0.4 |
| 27 | 909R 1% 0.5W Metal Film | 2 | R3, R5 | AXIAL-0.4 |
| 28 | 1K0 1% 0.5W Metal Film | 2 | R8, R11 | AXIAL-0.4 |
| 29 | 1K5 1% 0.5W Metal Film | 3 | R15, R18, R19 | AXIAL-0.4 |
| 30 | 3K0 1% 0.5W Metal Film | 1 | R6 | AXIAL-0.4 |
| 31 | 3K3 1% 0.5W Metal Film | 2 | R14, R17 | AXIAL-0.4 |
| 32 | 10K 1% 0.5W Metal Film | 2 | R13, R16 | AXIAL-0.4 |
| 33 | 20K 1% 0.5W Metal Film | 1 | R2 | AXIAL-0.4 |
| 34 | 100K 1% 0.5W Metal Film | 1 | R12 | AXIAL-0.4 |
| 35 | 2M0 1% 0.5W Metal Film | 1 | R1 | AXIAL-0.4 |
| | | | | |
| | SWITCH | | | |
| 36 | DPDT Panel [ON-OFF-ON] | 2 | S5, S6 | - |
| 37 | SPNO Tactile Switch, 22mm Raised | 4 | S1, S2, S3, S4 | - |
| | | | | |
| | UNITS | | | |
| 38 | Panther - IDC16 - 24cm | 1 | J2 | - |
| | | | | |
| | | | | |

