

Bill of Materials for ES17 - VCM-2 Component Kit V0.0

| Item | Description | Qty | Designator | Package |
|----------------------|--------------------------|-----|--|--------------|
| CAPACITOR | | | | |
| 1 | 47pF 5% Ceramic | 6 | C202, C203, C204, C301, C302, C303 | RAD-0.2N |
| 2 | 150pF 5% Ceramic | 1 | C201 | RAD-0.2N |
| 3 | 100nF Ceramic Capacitor | 10 | C403, C404, C405, C406, C407, C408, C409, C410, C411, C412 | RAD-0.2N |
| 4 | 220nF 63V Polyester | 1 | C101 | RAD-0.2 |
| 5 | 10uF 35V Electrolytic | 2 | C401, C402 | RB-D5.0-P2.0 |
| CONNECTOR | | | | |
| 6 | 1x4 Pin 20mm Header | 1 | J301 | - |
| 7 | IDC16 Box Header | 1 | J401 | 2.54MM |
| 8 | 1x4 Pin 9mm Header | 2 | J101, J103 | 2.54MM |
| 9 | 8-pin IC Socket 0.3inch | 4 | U201, U202, U203, U301 | DIP-8 |
| 10 | 16-pin IC Socket 0.3inch | 1 | U101 | DIP-16 |
| DIODE | | | | |
| 11 | 1N4148 | 13 | D101, D201, D202, D203, D204, D205, D206, D301, D302, D303, D304, D305, D306 | DIODE-0.3 |
| HARDWARE | | | | |
| 12 | 9mm Earth Tag | 1 | PANEL_GND | - |
| LINEAR | | | | |
| 13 | TL072 Dual JFET Opamp | 3 | U202, U203, U301 | DIP-8 |
| 14 | TL071 JFET Opamp | 1 | U201 | DIP-8 |
| 15 | LM13700 - Dual OTA | 1 | U101 | DIP-16 |
| INDUCTOR | | | | |
| 16 | Ferrite Bead - 0.45uH 7A | 2 | L401, L402 | - |
| POTENTIOMETER | | | | |
| 17 | 50KB LIN - 18T Spline | 1 | P101 | ALPHA 16MM |

