

Bill of Materials for ES25 - Touch Responsive Keyboard [4mm] Full Kit V0.0
Main [ES25 - Touch Responsive Keyboard Component Kit]

| Item | Description | Qty | Designator | Package |
|------------------|-------------------------------------|-----|------------------------------------------------------------------------------------------------------|--------------|
| CAPACITOR | | | | |
| 1 | 100nF Ceramic | 2 | C902, C903 | RAD-0.2N |
| 2 | 2.2uF 35V Tantalum | 1 | C904 | RB-D5.0-P5.0 |
| 3 | 10uF 35V Electrolytic | 1 | C901 | RB-D5.0-P2.0 |
| CONNECTOR | | | | |
| 4 | IDC10 Box Header | 1 | J901 | 2.54MM |
| 5 | 14-pin IC Socket 0.3inch | 2 | U101, U701 | DIP-14 |
| 6 | IDC16 Receptacle | 4 | J101, J201, J301, J401 | 2.54MM |
| DIODE | | | | |
| 7 | 1N4148 | 17 | D101, D102, D201, D202, D301, D302, D401, D402, D501, D502, D601, D602, D701, D702, D801, D802, D902 | DIODE-0.3 |
| 8 | 1N4004 200V 1A | 1 | D901 | DIODE-0.4 |
| LINEAR | | | | |
| 9 | 7805 +5V 1A Fixed Voltage Regulator | 1 | U901 | TO-220 |
| INDUCTOR | | | | |
| 10 | Ferrite Bead - 5A | 1 | L901 | AXIAL-0.3 |
| LOGIC | | | | |
| 11 | 74HC14 - Hex Schmitt Trigger | 2 | U101, U701 | DIP-14 |
| RESISTOR | | | | |
| 12 | 330R 1% 0.5W Metal Film | 8 | R105, R205, R305, R405, R505, R605, R705, R805 | AXIAL-0.4 |
| 13 | 820R 1% 0.5W Metal Film | 9 | R104, R204, R304, R404, R504, R604, R704, R804, R904 | AXIAL-0.4 |
| 14 | 1K0 1% 0.5W Metal Film | 9 | R103, R203, R303, R403, R503, R603, R703, R803, R903 | AXIAL-0.4 |
| 15 | 22K 1% 0.5W Metal Film | 8 | R101, R201, R301, R401, R501, R601, R701, R801 | AXIAL-0.4 |
| 16 | 270K 1% 0.5W Metal Film | 9 | R102, R202, R302, R402, R502, R602, R702, R802, R902 | AXIAL-0.4 |
| 17 | 1M0 1% 0.5W Metal Film | 1 | R901 | AXIAL-0.4 |
| 18 | 4 x 10K Commoned Resistor Network | 1 | RN902 | SIP-5 |

