

Bill of Materials for Pixie Component Kit Revision - (Dual Sawtooth Generator)

| Item | Description | Qty | Designator | Package |
|-------------|----------------------------------|------------|--|----------------|
| | CAPACITOR | | | |
| 1 | 10pF 5% Ceramic, Low K | 2 (2) | C212, C213 | RAD-0.2N |
| 2 | 1nF 50V Polyester | 4 (14) | C201, C202, C207, C209 | RAD-0.2 |
| 3 | 6n8F 50V Polyester | 2 (2) | C204, C210 | RAD-0.2 |
| 4 | 10nF 50V Polyester | 2 (10) | C203, C208 | RAD-0.2 |
| 5 | 100nF Decoupling Capacitor | 7 (42) | C214, C215, C216, C217, C218, C219, C220 | RAD-0.2N |
| 6 | 0.47uF 35V Tantalum | 2 (3) | C205, C211 | RB-.2/.2 |
| | | | | |
| | CONNECTOR | | | |
| 7 | HDR - Jumper Shunt | 3 (39) | LK201, LK202, LK203 | 2.54mm |
| 8 | HDR - 1x2 Pin | 3 (39) | LK201, LK202, LK203 | 2.54MM |
| | | | | |
| | LINEAR | | | |
| 9 | LM3900 - Quad Norton Amplifier | 1 (8) | U205 | DIP-8 0.3" |
| | | | | |
| | LOGIC | | | |
| 10 | CD4013 - Dual D-type flip flop | 2 (3) | U201, U202 | |
| 11 | CD4024 - 7-stage Binary Counter | 2 (2) | U200, U204 | DIP-14 0.3" |
| 12 | CD4069 - Hex Inverter Unbuffered | 1 (9) | U209 | DIP-14 0.3" |
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| | | | | |

Bill of Materials for Pixie Component Kit Revision - (Noise Module)

| Item | Description | Qty | Designator | Package |
|------|---|--------|------------------------------|-------------|
| | CAPACITOR | | | |
| 1 | 1nF 50V Polyester | 1 (14) | C300 | RAD-0.2 |
| 2 | 100nF Decoupling Capacitor | 5 (42) | C301, C302, C303, C304, C305 | RAD-0.2N |
| 3 | 4.7uF 63V Electrolytic | 2 (6) | C306, C309 | |
| | | | | |
| | CONNECTOR | | | |
| 4 | HDR - Jumper Shunt | 1 (39) | LK301 | 2.54mm |
| 5 | HDR - 1x2 Pin | 1 (39) | LK301 | 2.54MM |
| | | | | |
| | LOGIC | | | |
| 6 | CD4015 - Dual 4-bit Static Shift-register | 3 (3) | U300, U301, U302 | DIP-14 0.3" |
| 7 | CD4030 - Quad EXOR | 1 (1) | U303 | |
| 8 | CD4069 - Hex Inverter Unbuffered | 1 (9) | U304 | DIP-14 0.3" |
| | | | | |
| | RESISTOR | | | |
| 9 | 10R 1% 0.5W Metal Film | 2 (3) | R306, R307 | AXIAL-0.4 |
| 10 | 15K 1% 0.5W Metal Film | 1 (3) | R302 | AXIAL-0.4 |
| 11 | 33K 1% 0.5W Metal Film | 1 (43) | R301 | AXIAL-0.4 |
| | | | | |
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| | End of document | | | |

Bill of Materials for Pixie Component Kit Revision - (LFO)

| Item | Description | Qty | Designator | Package |
|-------------|----------------------------------|------------|-------------------|----------------|
| | CAPACITOR | | | |
| 1 | 33pF 5% Ceramic, Low K | 1 (3) | C404 | RAD-0.2N |
| 2 | 1nF 50V Polyester | 1 (14) | C401 | RAD-0.2 |
| 3 | 100nF Decoupling Capacitor | 2 (42) | C402, C403 | RAD-0.2N |
| 4 | 470nF 50V Polyester | 1 (1) | C400 | RAD-0.2X |
| | | | | |
| | CONNECTOR | | | |
| 5 | HDR - Jumper Shunt | 2 (39) | LK401, LK402 | 2.54mm |
| 6 | HDR - 1x2 Pin | 2 (39) | LK401, LK402 | 2.54MM |
| | | | | |
| | DIODE | | | |
| 7 | SIGNAL - 1N4148 | 3 (31) | D400, D401, D402 | DIODE-0.3 |
| | | | | |
| | LOGIC | | | |
| 8 | CD4016 - Quad Analogue switch | 1 (3) | U405 | |
| 9 | CD4069 - Hex Inverter Unbuffered | 1 (9) | U400 | DIP-14 0.3" |
| | | | | |
| | RESISTOR | | | |
| 10 | 1K 1% 0.5W Metal Film | 1 (13) | R415 | AXIAL-0.4 |
| 11 | 3K3 1% 0.5W Metal Film | 2 (10) | R403, R408 | AXIAL-0.4 |
| 12 | 6K8 1% 0.5W Metal Film | 1 (2) | R407 | AXIAL-0.4 |

Bill of Materials for Pixie Component Kit Revision - (VCF-EG)

| Item | Description | Qty | Designator | Package |
|-------------|--------------------------------|------------|------------------------------|----------------|
| | CAPACITOR | | | |
| 1 | 68pF 5% Ceramic, Low K | 1 (2) | C501 | RAD-0.2N |
| 2 | 100nF Decoupling Capacitor | 2 (42) | C503, C504 | RAD-0.2N |
| 3 | 4.7uF 35V Tantalum | 1 (2) | C502 | RB-.2/.2 |
| | | | | |
| | CONNECTOR | | | |
| 4 | HDR - Jumper Shunt | 2 (39) | LK501, LK502 | 2.54mm |
| 5 | HDR - 1x2 Pin | 2 (39) | LK501, LK502 | 2.54MM |
| | | | | |
| | LOGIC | | | |
| 6 | CD4013 - Dual D-type flip flop | 1 (3) | U500 | |
| 7 | CD4081 - Quad 2-input AND | 1 (2) | U504 | |
| | | | | |
| | RESISTOR | | | |
| 8 | 1K 1% 0.5W Metal Film | 1 (13) | R508 | AXIAL-0.4 |
| 9 | 3K3 1% 0.5W Metal Film | 1 (10) | R507 | AXIAL-0.4 |
| 10 | 10K 1% 0.5W Metal Film | 2 (14) | R501, R513 | AXIAL-0.4 |
| 11 | 33K 1% 0.5W Metal Film | 5 (43) | R500, R502, R505, R506, R509 | AXIAL-0.4 |
| 12 | 56K 1% 0.5W Metal Film | 1 (8) | R512 | AXIAL-0.4 |
| 13 | 220K 1% 0.5W Metal Film | 1 (4) | R503 | AXIAL-0.4 |
| 14 | 560K 1% 0.5W Metal Film | 1 (2) | R504 | AXIAL-0.4 |

Bill of Materials for Pixie Component Kit Revision - (VCA-EG)

| Item | Description | Qty | Designator | Package |
|-------------|----------------------------------|------------|-------------------|----------------|
| | CAPACITOR | | | |
| 1 | 68pF 5% Ceramic, Low K | 1 (2) | C601 | RAD-0.2N |
| 2 | 100nF Decoupling Capacitor | 3 (42) | C603, C604, C605 | RAD-0.2N |
| 3 | 4.7uF 35V Tantalum | 1 (2) | C602 | RB-.2/.2 |
| | | | | |
| | CONNECTOR | | | |
| 4 | HDR - Jumper Shunt | 2 (39) | LK601, LK602 | 2.54mm |
| 5 | HDR - 1x2 Pin | 2 (39) | LK601, LK602 | 2.54MM |
| | | | | |
| | LINEAR | | | |
| 6 | LM3900 - Quad Norton Amplifier | 1 (8) | U600 | DIP-8 0.3" |
| | | | | |
| | LOGIC | | | |
| 7 | CD4016 - Quad Analogue switch | 1 (3) | U601 | |
| 8 | CD4069 - Hex Inverter Unbuffered | 1 (9) | U602 | DIP-14 0.3" |
| 9 | CD4081 - Quad 2-input AND | 1 (2) | U604 | |
| | | | | |
| | RESISTOR | | | |
| 10 | 1K 1% 0.5W Metal Film | 1 (13) | R608 | AXIAL-0.4 |
| 11 | 3K3 1% 0.5W Metal Film | 1 (10) | R607 | AXIAL-0.4 |
| 12 | 10K 1% 0.5W Metal Film | 3 (14) | R601, R611, R612 | AXIAL-0.4 |

Bill of Materials for Pixie Component Kit Revision - (VCA)

| Item | Description | Qty | Designator | Package |
|------|---|--------|------------------------------|------------|
| | CAPACITOR | | | |
| 1 | 100nF Decoupling Capacitor | 1 (42) | C801 | RAD-0.2N |
| 2 | 10uF 25V Bipolar Electrolytic | 1 (1) | C800 | RB-.1/2 |
| | | | | |
| | CONNECTOR | | | |
| 3 | HDR - Jumper Shunt | 2 (39) | LK801, LK802 | 2.54mm |
| 4 | HDR - 1x2 Pin | 2 (39) | LK801, LK802 | 2.54MM |
| | | | | |
| | LINEAR | | | |
| 5 | CA3080 - Transconductance Opamp | 1 (5) | U801 | DIP-8 0.3" |
| | | | | |
| | RESISTOR | | | |
| 6 | 680R 1% 0.5W Metal Film | 1 (1) | R803 | AXIAL-0.4 |
| 7 | 18K 1% 0.5W Metal Film | 1 (1) | R808 | AXIAL-0.4 |
| 8 | 20K 1% 0.5W Metal Film | 1 (1) | R800 | AXIAL-0.4 |
| 9 | 33K 1% 0.5W Metal Film | 5 (43) | R801, R802, R805, R806, R807 | AXIAL-0.4 |
| | | | | |
| | TRIMPOT | | | |
| 10 | 50K 25-Turn Vertical Cermet Trimpot - 3296W | 1 (1) | P800 | |
| | | | | |
| | End of document | | | |

Bill of Materials for Pixie Component Kit Revision - (Power Supply)

| Item | Description | Qty | Designator | Package |
|-------------|-------------------------------------|------------|------------------------|----------------|
| | CAPACITOR | | | |
| 1 | 100nF Decoupling Capacitor | 4 (42) | C905, C906, C907, C908 | RAD-0.2N |
| 2 | 10uF 63V Electrolytic | 3 (4) | C901, C902, C903 | RB-.1/.2 |
| 3 | 470uF 35V Electrolytic | 1 (1) | C900 | |
| | | | | |
| | CONNECTOR | | | |
| 4 | HDR - Jumper Shunt | 1 (39) | J901 | 2.54mm |
| 5 | HDR - 1x2 Pin | 1 (39) | J901 | 2.54MM |
| | | | | |
| | DIODE | | | |
| 6 | REFERENCE - LM336 2V5 | 1 (1) | U902 | TO-92 |
| 7 | RECTIFIER - 1N4004 200V 1A | 3 (3) | D900, D901, D902 | DIODE-0.4 |
| | | | | |
| | HARDWARE | | | |
| 8 | HEATSINK - Mini Type 6073B | 2 (2) | U900, U901 | |
| 9 | HARDWARE - TO-220 Insulating Kit (| 1 (1) | U901 | |
| 10 | FIXING - M3 SS Nut | 2 (2) | U900, U901 | |
| 11 | FIXING - M3x10mm SS PH Bolt | 2 (2) | U900, U901 | |
| | | | | |
| | LINEAR | | | |
| 12 | 7805 +5V 1A Fixed Voltage Regulator | 2 (2) | U900, U901 | TO-220 |

Bill of Materials for Pixie Component Kit Revision - (VCF-1)

| Item | Description | Qty | Designator | Package |
|-------------|----------------------------------|------------|---------------------|----------------|
| | CAPACITOR | | | |
| 1 | 68pF 2.5% Polystyrene | 1 (2) | C1000 | RAD-0.3 |
| 2 | 1nF 50V Polyester | 2 (14) | C1002, C1003 | RAD-0.2 |
| 3 | 100nF Decoupling Capacitor | 1 (42) | C1005 | RAD-0.2N |
| 4 | 220nF 50V Polyester | 3 (17) | C1001, C1004, C1008 | RAD-0.2 |
| | | | | |
| | CONNECTOR | | | |
| 5 | HDR - Jumper Shunt | 1 (39) | LK1001 | 2.54mm |
| 6 | HDR - 1x2 Pin | 1 (39) | LK1001 | 2.54MM |
| | | | | |
| | DIODE | | | |
| 7 | SIGNAL - 1N4148 | 2 (31) | D1000, D1001 | DIODE-0.3 |
| | | | | |
| | LINEAR | | | |
| 8 | CA3080 - Transconductance Opamp | 2 (5) | U1001, U1003 | DIP-8 0.3" |
| | | | | |
| | LOGIC | | | |
| 9 | CD4069 - Hex Inverter Unbuffered | 1 (9) | U1002 | DIP-14 0.3" |
| | | | | |
| | RESISTOR | | | |
| 10 | 1K 1% 0.5W Metal Film | 2 (13) | R1005, R1010 | AXIAL-0.4 |

Bill of Materials for Pixie Component Kit Revision - (Dual PWM LFO)

| Item | Description | Qty | Designator | Package |
|------|--------------------------------|--------|---------------------|------------|
| | CAPACITOR | | | |
| 1 | 100nF 50V Polyester | 2 (4) | C1101, C1102 | RAD-0.2 |
| 2 | 100nF Decoupling Capacitor | 1 (42) | C1103 | RAD-0.2N |
| | | | | |
| | CONNECTOR | | | |
| 3 | HDR - Jumper Shunt | 2 (39) | LK1101, LK1102 | 2.54mm |
| 4 | HDR - 1x2 Pin | 2 (39) | LK1101, LK1102 | 2.54MM |
| | | | | |
| | LINEAR | | | |
| 5 | LM3900 - Quad Norton Amplifier | 1 (8) | U1101 | DIP-8 0.3" |
| | | | | |
| | RESISTOR | | | |
| 6 | 100K 1% 0.5W Metal Film | 2 (57) | R1104, R1109 | AXIAL-0.4 |
| 7 | 120K 1% 0.5W Metal Film | 2 (4) | R1105, R1110 | AXIAL-0.4 |
| 8 | 510K 1% 0.5W Metal Film | 1 (1) | R1107 | AXIAL-0.4 |
| 9 | 560K 1% 0.5W Metal Film | 1 (2) | R1102 | AXIAL-0.4 |
| 10 | 1M 1% 0.5W Metal Film | 1 (14) | R1106 | AXIAL-0.4 |
| 11 | 1M2 1% 0.5W Metal Film | 3 (3) | R1101, R1103, R1108 | AXIAL-0.4 |
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| | End of document | | | |

Bill of Materials for Pixie Component Kit Revision - (Filter Controller)

| Item | Description | Qty | Designator | Package |
|-------------|--------------------------------|------------|--|----------------|
| | CAPACITOR | | | |
| 1 | 10nF 50V Polyester | 2 (10) | C1201, C1202 | RAD-0.2 |
| 2 | 100nF Decoupling Capacitor | 1 (42) | C1203 | RAD-0.2N |
| 3 | 0.47uF 35V Tantalum | 1 (3) | C1200 | RB-.2/.2 |
| | | | | |
| | CONNECTOR | | | |
| 4 | HDR - Jumper Shunt | 4 (39) | LK1201, LK1202, LK1203, LK1204 | 2.54mm |
| 5 | HDR - 1x2 Pin | 4 (39) | LK1201, LK1202, LK1203, LK1204 | 2.54MM |
| | | | | |
| | LINEAR | | | |
| 6 | LM3900 - Quad Norton Amplifier | 1 (8) | U1201 | DIP-8 0.3" |
| | | | | |
| | RESISTOR | | | |
| 7 | 1K 1% 0.5W Metal Film | 2 (13) | R1212, R1216 | AXIAL-0.4 |
| 8 | 3K3 1% 0.5W Metal Film | 6 (10) | R1203, R1204, R1213, R1215, R1217, R1218 | AXIAL-0.4 |
| 9 | 5K6 1% 0.5W Metal Film | 1 (1) | R1201 | AXIAL-0.4 |
| 10 | 12K 1% 0.5W Metal Film | 3 (3) | R1202, R1219, R1220 | AXIAL-0.4 |
| 11 | 22K 1% 0.5W Metal Film | 2 (3) | R1211, R1214 | AXIAL-0.4 |
| 12 | 47K 1% 0.5W Metal Film | 2 (6) | R1207, R1208 | AXIAL-0.4 |
| 13 | 56K 1% 0.5W Metal Film | 2 (8) | R1205, R1206 | AXIAL-0.4 |
| 14 | 100K 1% 0.5W Metal Film | 2 (57) | R1210, R1221 | AXIAL-0.4 |

Bill of Materials for Pixie Component Kit Revision - (VCF-2)

| Item | Description | Qty | Designator | Package |
|-------------|----------------------------------|------------|---------------------|----------------|
| | CAPACITOR | | | |
| 1 | 68pF 2.5% Polystyrene | 1 (2) | C1300 | RAD-0.3 |
| 2 | 1nF 50V Polyester | 2 (14) | C1302, C1303 | RAD-0.2 |
| 3 | 100nF Decoupling Capacitor | 1 (42) | C1305 | RAD-0.2N |
| 4 | 220nF 50V Polyester | 3 (17) | C1301, C1304, C1308 | RAD-0.2 |
| | | | | |
| | CONNECTOR | | | |
| 5 | HDR - Jumper Shunt | 1 (39) | LK1301 | 2.54mm |
| 6 | HDR - 1x2 Pin | 1 (39) | LK1301 | 2.54MM |
| | | | | |
| | DIODE | | | |
| 7 | SIGNAL - 1N4148 | 2 (31) | D1300, D1301 | DIODE-0.3 |
| | | | | |
| | LINEAR | | | |
| 8 | CA3080 - Transconductance Opamp | 2 (5) | U1301, U1303 | DIP-8 0.3" |
| | | | | |
| | LOGIC | | | |
| 9 | CD4069 - Hex Inverter Unbuffered | 1 (9) | U1302 | DIP-14 0.3" |
| | | | | |
| | RESISTOR | | | |
| 10 | 1K 1% 0.5W Metal Film | 2 (13) | R1305, R1310 | AXIAL-0.4 |

Bill of Materials for Pixie Component Kit Revision - (MIDI Interface and Dual DCO)

| Item | Description | Qty | Designator | Package |
|------|----------------------------|--------|----------------------------|-----------|
| | CAPACITOR | | | |
| 1 | 33pF 5% Ceramic, Low K | 2 (3) | C1402, C1403 | RAD-0.2N |
| 2 | 100nF Decoupling Capacitor | 1 (42) | C1401 | RAD-0.2N |
| 3 | 1uF 35V Tantalum | 1 (1) | C1404 | RB-.2/.2 |
| 4 | 10uF 63V Electrolytic | 1 (4) | C1405 | RB-.1/.2 |
| | | | | |
| | CONNECTOR | | | |
| 5 | HDR - 1x12 Pin | 1 (1) | J1402 | 2.54mm |
| | | | | |
| | CRYSTAL | | | |
| 6 | CRYSTAL - 16MHz | 1 (1) | X1401 | HC49/4H |
| | | | | |
| | DIODE | | | |
| 7 | SIGNAL - OA95 Germanium | 1 (1) | D1404 | |
| 8 | SIGNAL - 1N4148 | 4 (31) | D1401, D1402, D1405, D1406 | DIODE-0.3 |
| | | | | |
| | LINEAR | | | |
| 9 | 6N138 - Opto-coupler | 1 (1) | U1401 | |
| | | | | |
| | RESISTOR | | | |
| 10 | 220R 1% 0.5W Metal Film | 1 (1) | R1401 | AXIAL-0.4 |

Bill of Materials for Pixie Component Kit Revision - (MIDI Interface and Dual DCO)

| Item | Description | Qty | Designator | Package |
|-------------|-----------------------------|------------|-----------------------------------|----------------|
| | RESISTOR - continued | | | |
| 11 | 470R 1% 0.5W Metal Film | 1 (1) | R1411 | AXIAL-0.4 |
| 12 | 1K5 1% 0.5W Metal Film | 1 (1) | R1403 | AXIAL-0.4 |
| 13 | 10K 1% 0.5W Metal Film | 5 (14) | R1404, R1405, R1406, R1407, R1408 | AXIAL-0.4 |
| 14 | 15K 1% 0.5W Metal Film | 1 (3) | R1409 | AXIAL-0.4 |
| 15 | 47K 1% 0.5W Metal Film | 1 (6) | R1410 | AXIAL-0.4 |
| | | | | |
| | SMD | | | |
| 16 | M30624FGAFP 100PS6 | 1 (1) | U1402 | |
| | | | | |
| | SWITCH | | | |
| 17 | ROCKER - 4PST DIP | 1 (1) | S1402 | |
| | | | | |
| | TRANSISTOR | | | |
| 18 | 2N3904 NPN Transistor | 1 (9) | Q1401 | TO-92 |
| | | | | |
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Bill of Materials for Pixie Component Kit Revision - (Mixer 1)

| Item | Description | Qty | Designator | Package |
|------|--------------------------------|--------|---|------------|
| | CAPACITOR | | | |
| 1 | Capacitor - Do Not Fit | 2 (2) | C1509, C1510 | |
| 2 | 100nF Decoupling Capacitor | 2 (42) | C1560, C1561 | RAD-0.2N |
| 3 | 220nF 50V Polyester | 7 (17) | C1501, C1502, C1503, C1504, C1505, C1506, C1508 | RAD-0.2 |
| | | | | |
| | CONNECTOR | | | |
| 4 | HDR - Jumper Shunt | 6 (39) | LK1501, LK1502, LK1503, LK1504, LK1505, LK1506 | 2.54mm |
| 5 | HDR - 1x2 Pin | 6 (39) | LK1501, LK1502, LK1503, LK1504, LK1505, LK1506 | 2.54MM |
| | | | | |
| | LINEAR | | | |
| 6 | LM3900 - Quad Norton Amplifier | 2 (8) | U1501, U1502 | DIP-8 0.3" |
| | | | | |
| | RESISTOR | | | |
| 7 | 100K 1% 0.5W Metal Film | 6 (57) | R1504, R1508, R1512, R1516, R1520, R1527 | AXIAL-0.4 |
| 8 | 150K 1% 0.5W Metal Film | 6 (11) | R1502, R1506, R1510, R1514, R1518, R1525 | AXIAL-0.4 |
| 9 | 220K 1% 0.5W Metal Film | 1 (4) | R1522 | AXIAL-0.4 |
| 10 | 470K 1% 0.5W Metal Film | 13 | R1501, R1503, R1505, R1507, R1509, R1511, R1513, R1515, R1517, R1519, R1521, R1524, | AXIAL-0.4 |
| | | | R1526 | AXIAL-0.4 |
| 11 | 680K 1% 0.5W Metal Film | 1 (1) | R1523 | AXIAL-0.4 |
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| | End of document | | | |

Bill of Materials for Pixie Component Kit Revision - (VCF 3)

| Item | Description | Qty | Designator | Package |
|-------------|----------------------------|------------|---|----------------|
| | CAPACITOR | | | |
| 1 | 10nF 50V Polyester | 6 (10) | C1602, C1603, C1604, C1605, C1606, C1607 | RAD-0.2 |
| 2 | 100nF Decoupling Capacitor | 1 (42) | C1611 | RAD-0.2N |
| 3 | 4.7uF 63V Electrolytic | 3 (6) | C1601, C1608, C1609 | |
| 4 | 220uF 25V Electrolytic | 1 (2) | C1610 | |
| | | | | |
| | CONNECTOR | | | |
| 5 | HDR - Jumper Shunt | 4 (39) | LK1601, LK1602, LK1603, LK1604 | 2.54mm |
| 6 | HDR - 1x2 Pin | 4 (39) | LK1601, LK1602, LK1603, LK1604 | 2.54MM |
| | | | | |
| | DIODE | | | |
| 7 | SIGNAL - 1N4148 | 14 | D1601, D1602, D1603, D1604, D1605, D1606, D1607, D1608, D1609, D1610, D1611, D1612, | DIODE-0.3 |
| | | | D1613, D1614 | DIODE-0.3 |
| | | | | |
| | LINEAR | | | |
| 8 | TL081 JFET Opamp | 1 (1) | U1601 | DIP-8 0.3" |
| | | | | |
| | RESISTOR | | | |
| 9 | 1K 1% 0.5W Metal Film | 3 (13) | R1607, R1697, R1698 | AXIAL-0.4 |
| 10 | 2K7 1% 0.5W Metal Film | 2 (2) | R1604, R1610 | AXIAL-0.4 |
| 11 | 4K7 1% 0.5W Metal Film | 1 (5) | R1614 | AXIAL-0.4 |

Bill of Materials for Pixie Component Kit Revision - (Mixer 2)

| Item | Description | Qty | Designator | Package |
|-------------|--------------------------------|------------|--|----------------|
| | CAPACITOR | | | |
| 1 | 100nF Decoupling Capacitor | 1 (42) | C1707 | RAD-0.2N |
| 2 | 220nF 50V Polyester | 4 (17) | C1701, C1702, C1705, C1706 | RAD-0.2 |
| | | | | |
| | CONNECTOR | | | |
| 3 | HDR - Jumper Shunt | 4 (39) | LK1701, LK1702, LK1703, LK1704 | 2.54mm |
| 4 | HDR - 1x2 Pin | 4 (39) | LK1701, LK1702, LK1703, LK1704 | 2.54MM |
| | | | | |
| | LINEAR | | | |
| 5 | LM3900 - Quad Norton Amplifier | 1 (8) | U1701 | DIP-8 0.3" |
| | | | | |
| | RESISTOR | | | |
| 6 | 100K 1% 0.5W Metal Film | 3 (57) | R1704, R1708, R1712 | AXIAL-0.4 |
| 7 | 150K 1% 0.5W Metal Film | 3 (11) | R1702, R1706, R1710 | AXIAL-0.4 |
| 8 | 470K 1% 0.5W Metal Film | 8 (22) | R1701, R1703, R1705, R1707, R1709, R1711, R1713, R1714 | AXIAL-0.4 |
| 9 | 1M5 1% 0.5W Metal Film | 1 (1) | R1715 | AXIAL-0.4 |
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| | End of document | | | |

Bill of Materials for Pixie Component Kit Revision - (Triangle Generator)

| Item | Description | Qty | Designator | Package |
|------|---------------------------------------|--------|--|-------------|
| | CAPACITOR | | | |
| 1 | 1.5nF 50V Polyester | 2 (2) | C251, C253 | RAD-0.2 |
| 2 | 2.2nF 50V Polyester | 2 (2) | C252, C254 | RAD-0.2 |
| 3 | 100nF Decoupling Capacitor | 2 (42) | C255, C256 | RAD-0.2N |
| | | | | |
| | LOGIC | | | |
| 4 | CD4007 - Dual Complimentary Pair plus | 2 (2) | U252, U254 | |
| 5 | CD4069 - Hex Inverter Unbuffered | 2 (9) | U251, U253 | DIP-14 0.3" |
| | | | | |
| | RESISTOR | | | |
| 6 | 10K 1% 0.5W Metal Film | 2 (14) | R257, R268 | AXIAL-0.4 |
| 7 | 56K 1% 0.5W Metal Film | 2 (8) | R258, R269 | AXIAL-0.4 |
| 8 | 82K 1% 0.5W Metal Film | 2 (2) | R259, R270 | AXIAL-0.4 |
| 9 | 100K 1% 0.5W Metal Film | 10 | R252, R254, R255, R256, R260, R263, R265, R266, R267, R271 | AXIAL-0.4 |
| 10 | 270K 1% 0.5W Metal Film | 2 (4) | R261, R272 | AXIAL-0.4 |
| 11 | 1M 1% 0.5W Metal Film | 2 (14) | R251, R262 | AXIAL-0.4 |
| 12 | 3M3 1% 0.5W Metal Film | 2 (2) | R253, R264 | AXIAL-0.4 |
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| | End of document | | | |

Bill of Materials for Pixie Component Kit Revision - (VCF Switcher)

| Item | Description | Qty | Designator | Package |
|-------------|---------------------------------------|------------|---|----------------|
| | CAPACITOR | | | |
| 1 | 1nF 50V Polyester | 4 (14) | C1906, C1907, C1956, C1957 | RAD-0.2 |
| 2 | 100nF 50V Polyester | 2 (4) | C1955, C1966 | RAD-0.2 |
| 3 | 100nF Decoupling Capacitor | 4 (42) | C1959, C1960, C1961, C1965 | RAD-0.2N |
| | | | | |
| | CONNECTOR | | | |
| 4 | HDR - Jumper Shunt | 1 (39) | LK1901 | 2.54mm |
| 5 | HDR - 1x2 Pin | 1 (39) | LK1901 | 2.54MM |
| | | | | |
| | DIODE | | | |
| 6 | SIGNAL - 1N4148 | 4 (31) | D1901, D1902, D1903, D1904 | DIODE-0.3 |
| | | | | |
| | LOGIC | | | |
| 7 | CD4016 - Quad Analogue switch | 1 (3) | U1904 | |
| 8 | CD4051 - Single 8-channel Multiplexer | 2 (2) | U1998, U1999 | |
| 9 | CD4069 - Hex Inverter Unbuffered | 1 (9) | U1902 | DIP-14 0.3" |
| | | | | |
| | RESISTOR | | | |
| 10 | 33K 1% 0.5W Metal Film | 2 (43) | R1918, R1968 | AXIAL-0.4 |
| 11 | 51K 1% 0.5W Metal Film | 2 (6) | R1916, R1966 | AXIAL-0.4 |
| 12 | 100K 1% 0.5W Metal Film | 7 (57) | R1917, R1923, R1924, R1925, R1967, R1972, R1973 | AXIAL-0.4 |

Bill of Materials for Pixie Component Kit Revision - (Ring Modulator)

| Item | Description | Qty | Designator | Package |
|-------------|---------------------------------|------------|--|----------------|
| | CAPACITOR | | | |
| 1 | 100nF Decoupling Capacitor | 2 (42) | C2101, C2102 | RAD-0.2N |
| | | | | |
| | CONNECTOR | | | |
| 2 | HDR - Jumper Shunt | 3 (39) | LK2101, LK2102, LK2103 | 2.54mm |
| 3 | HDR - 1x2 Pin | 3 (39) | LK2101, LK2102, LK2103 | 2.54MM |
| | | | | |
| | DIODE | | | |
| 4 | SIGNAL - 1N4148 | 2 (31) | D2101, D2102 | DIODE-0.3 |
| | | | | |
| | LINEAR | | | |
| 5 | LM3900 - Quad Norton Amplifier | 1 (8) | U2100 | DIP-8 0.3" |
| | | | | |
| | LOGIC | | | |
| 6 | CD4011 - Quad 2-input NAND Gate | 1 (1) | U2101 | |
| | | | | |
| | RESISTOR | | | |
| 7 | 100K 1% 0.5W Metal Film | 6 (57) | R2103, R2104, R2107, R2108, R2109, R2110 | AXIAL-0.4 |
| 8 | 1M 1% 0.5W Metal Film | 4 (14) | R2101, R2102, R2105, R2106 | AXIAL-0.4 |
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