

**Binary input BOM**  
**D1001036**

Designator	Value	PartType	Description	Footprint	Quantity	Supplier 1	Supplier Part Number 1
R1_1, R1_2, R1_3, R1_4, R1_5, R1_6, R1_7, R1_8, R2_1, R2_2, R2_3, R2_4, R2_5, R2_6, R2_7, R2_8, R3_1, R3_2, R3_3, R3_4, R3_5, R3_6, R3_7, R3_8, R4_1, R4_2, R4_3, R4_4, R4_5, R4_6, R4_7, R4_8, R5_1, R5_2, R5_3, R5_4, R5_5, R5_6, R5_7, R5_8, R6_1, R6_2, R6_3, R6_4, R6_5, R6_6, R6_7, R6_8, R7_1, R7_2, R7_3, R7_4, R7_5, R7_6, R7_7, R7_8, R8_1, R8_2, R8_3, R8_4, R8_5, R8_6, R8_7, R8_8	100	0.125W, 1/8W	Semiconductor Resistor	3216[1206]	64	Digi-Key	RNCS32T9100BICT-ND
R9	1 K	1K	Resistor, surface mount	3216[1206]	1	Digi-Key	TNP1.00KACCT-ND
P2, P3	37 pin connector	37 pin connector	Standard D-Subminiature Connector 37 pin	DB37/F/RA/125MT	2	Newark	01M3537
U1_1, U1_2, U1_3, U1_4, U1_5, U1_6, U1_7, U1_8, U2_1, U2_2, U2_3, U2_4, U2_5, U2_6, U2_7, U2_8, U3_1, U3_2, U3_3, U3_4, U3_5, U3_6, U3_7, U3_8, U4_1, U4_2, U4_3, U4_4, U4_5, U4_6, U4_7, U4_8, U5_1, U5_2, U5_3, U5_4, U5_5, U5_6, U5_7, U5_8, U6_1, U6_2, U6_3, U6_4, U6_5, U6_6, U6_7, U6_8, U7_1, U7_2, U7_3, U7_4, U7_5, U7_6, U7_7, U7_8, U8_1, U8_2, U8_3, U8_4, U8_5, U8_6, U8_7, U8_8	PSS12021SAY	Constant Current S	Constant Current Source	SOT353-5L	64	Digi-Key	568-5037-2-ND
P1	Header 3H	Header 3H	Header, 3-Pin, Right Angle	Molex_156_RA_3	1	Digi-Key	WM5236-ND
D1	LED-GREEN	LED-GREEN	LED GREEN T1-3/4 RT ANG PCB	LED_RA	1	Digi-Key	L20055-ND
U9_1, U9_2, U9_3, U9_4, U9_5, U9_6, U9_7, U9_8, U10_1, U10_2, U10_3, U10_4, U10_5, U10_6, U10_7, U10_8	Isolators	Photocoupler	PHOTOCOUPLER 4CH TRANS OUT SM	SO-16	16	Digi-Key	PS2833-4-ND
J1, J2, J3, J4, J5, J6, J7, J8	Right Angle 9 pin r	Right Angle 9 pin m	Plug Assembly, Size 1, 9 Position, Right An	787203-5_ldf	8	Digi-Key	182-09ME-ND
TP1, TP2	PC Test Point, Min	TESTPT	PCB Testpoint	smt_tp_small	2	Digi-Key	5015KCT-ND