

PART	DESCRIPTION	VALUE	QTY	MARKINGS	NOTES
C1,C2,C3	CAPACITOR, CERAMIC, COG, 50 VOLTS	0.01uF	3	103	
C5,C6,C7	CAPACITOR, CERAMIC, X7R, 50 VOLTS	0.1uF	3	104	
C4	CAPACITOR, CERAMIC, X7R, 50 VOLTS	1uF	1	105	
C8	ELECTROLYTIC CAPACITOR, 16V, 20%	4.7uF	1	(OBSERVE POLARITY)	
D1,D2	DIODE, HOT CARRIER	BAT43	2	BAT43	
IC1	OP AMP, DUAL, RAIL TO RAIL I/O, 3 MHZ	TLV2372IP	1	TLV2372IP	
J1	HEADER, 6 PIN, SINGLE ROW, VERTICAL, Female strip		1		
J2	HEADER, 10 PIN, SINGLE ROW, VERTICAL, Male strip		1		
OK1,(OK2,OK3 not included)	6-Pin DIP Optocoupler	H11L1-M	1	H11L1-M	1
R1,R2,R9,R10,R11	RESISTOR, CARBON FILM, AXIAL,1/4 WATT, 5%	1K	5	Brown, Blk, Red	1
R3,R4,R5	RESISTOR, CARBON FILM, AXIAL,1/4 WATT, 5%	33K	3	Org, Org, Org	
R6, R7, R8	RESISTOR, CARBON FILM, AXIAL,1/4 WATT, 5%	1.8K	3	Brown, Gry, Red	1
SV1	HEADER, 40 PIN, DUAL ROW, VERTICAL		1		
TM1	TRIMMER RESISTOR, 3/8 INCH	10K	1		
U1,U2	74HC05 HEX INVERTERS, OPEN COLLECTOR	SN74HC05N	2	SN74HC05N	
X1	9 PIN D-SUB, RIGHT ANGLE, MALE, PCB MTG	DB9 90° PCB	1		
X2	25 PIN D-SUB, RIGHT ANGLE, MALE, PCB MTG	DB25 90° PCB	1		
X3	TERMINAL BLOCK, 4 POSN, SCREW		1		
X4,X5,X6,X7,X8,X9,X10,X12	TERMINAL BLOCK, 2 POSN, SCREW		5		1
8 pin socket			1		
6 pin sockets			3		
14 pin sockets			2		
NOTE 1: OK2, OK3,X8,X9, X12, R7, R8, R10, R11 ARE USED FOR SPARE OPTO-ISOLATED INPUTS					
Part values are printed on the board for ease of assembly.					
Be sure to observe polarity and diode placement per the board screen print.					
Follow whatever order makes most sense to you for installation of the parts.					
OK2, OK3, X8, X9, X12 parts are not included as these are only required for any personal use or future upgrades, however the associated resistors and sockets are include in the kit.					