

16x16 Analog Switch BOM								
Item #	Reference Designator	Qty	Manufacturer	Mfg Part #	Description / Value	Package/Footprint	Type	Instructions / Notes
1	C3 C6 C7 C8 C9 C10 C11	7	KEMET	C320C104K5R5TA7317	0.1 μ F \pm 10% 50V Ceramic Capacitor X7R Radial	2.5mm Radial	THRU-HOLE	
2	C1 C2 C4 C5	4	Panasonic	ECA-1CM100I	10 μ F 16 V Aluminum Electrolytic Capacitor Radial	2.5mm Pitch	THRU-HOLE	
3	D1	1	Kingbright	WP7113ID	LED RED DIFFUSED T-1 3/4 T/H	T-1 3/4	THRU-HOLE	
4	J3	1	Sullins	PREC003SAAN-RC	Connector Header Through Hole 3 position 0.100"	3POS	THRU-HOLE	
5	J2	1	Sullins	PREC005SAAN-RC	Connector Header Through Hole 5 position 0.100"	5POS	THRU-HOLE	
6	J1 J4	2	Sullins	PREC016DAAN-RC	Connector Header Through Hole 32 position 0.100"	32POS 2x16	THRU-HOLE	
7	JP1 JP2 JP3 JP4 JP5	5	Sullins	PREC002SAAN-RC	Connector Header Through Hole 2 position 0.100"	2POS	THRU-HOLE	
8	R7	1	YAGEO	CFR-25JR-52-270R	RES 270 OHM 5% 1/4W AXIAL	Axial	THRU-HOLE	
9	R1 R2 R3 R4 R5 R6	6	YAGEO	CFR-25JR-52-10K	RES 10K OHM 5% 1/4W AXIAL	Axial	THRU-HOLE	
10	U1	1	Renesas	ICL7660SIPAZ	IC REG CHARGE PUMP INV 45MA 8DIP	DIP8	THRU-HOLE	
11	U4	1	Microchip	MCP23017-E/SP	IC XPNDR 1.7MHZ I2C 28SDIP	DIP28	THRU-HOLE	
12	U2 U3	2	Microchip	MT8816AE1	IC ANLG SWITCH ARRAY 8X16 40DIP	DIP40	THRU-HOLE	