## **Breakout Control / Test Board Bill-of-Material**

Sites D1-6	<b>Type</b> LED	<b>Description</b> 5MM LED	<b>Mfg</b> Lite-On	Part# LTL-4223	MFG Descr Red 623nm LED Indication -	<b>Vendor</b> DigiKey		Sub? Qty	<b>Ea.</b> \$ 0.27	<b>Ext.</b> \$ 1.62
J1	Conn-Edge	44P Card Edge	Sullins	EBM22DRAS	Discrete 2V Radial CONN EDGE DUAL FMALE 44POS 0.156	DigiKey	S3350-ND	<b>Y</b> 1	\$ 8.62	\$ 8.62
J2	Conn-Strip	25-Pin Header	Harwin	M20-9992545	Connector Header Through Hole 25 position 0.100" (2.54mm)	DigiKey	M20-9992545-ND	<b>Y</b> 1	\$ 1.02	\$ 1.02
J3	Conn-Jack	2.1mm Barrel Jack	Tensility	54-00131	Power Barrel Connector Jack 2.10mm ID (0.083"), 5.50mm OD (0.217") Through Hole, Right Angle	DigiKey	839-1514-ND	<b>Y</b> 1	\$ 0.77	\$ 0.77
J4	Conn-Jack	RCA Jack - Yellow	Same Sky	RCJ-044 (Yellow) Sub: RCJ-041 (Black)	3.20mm ID, 9.00mm OD (RCA) Phono (RCA) Jack Mono Connector Solder	DigiKey	CP-1421-ND	<b>Y</b> 1	\$ 1.54	\$ 1.54
J5	Conn-Jack	RCA Jack - Red	Same Sky	RCJ-042 (Red) Sub: RCJ-041 (Black)	3.20mm ID, 9.00mm OD (RCA) Phono (RCA) Jack Mono Connector Solder	DigiKey	CP-1419-ND	<b>Y</b> 1	\$ 1.54	\$ 1.54
J6	Conn-Term	2P Term Block	Würth	691137710002	2 Position Wire to Board Terminal Block Horizontal with Board 0.197" (5.00mm) Through Hole	DigiKey	732-10955-ND	<b>Y</b> 1	\$ 0.36	\$ 0.36
PCB R1	PCB R	Control PCB 2.4K 1/8W	ByteMind Common	4623-102-B CF18JT2K40	Breakout Control/Test PCB 2.4 kOhms ±5% 0.125W, 1/8W Through Hole Resistor Axial Flame Retardant Coating, Safety Carbon Film	JLCPCB DigiKey	CF18JT2K40CT-ND		\$ 3.73 \$ 0.10	•
R2-6	R	1.0K 1/8W	Common	CF18JT1K00	1 kOhms ±5% 0.125W, 1/8W Through Hole Resistor Axial Flame Retardant Coating, Safety Carbon Film	DigiKey	CF18JT1K00CT-ND	Υ 5	5 \$ 0.10	\$ 0.50
R7	R	47K 1/8W	Common	CF18JT47K0	47 kOhms ±5% 0.125W, 1/8W Through Hole Resistor Axial Flame Retardant Coating, Safety Carbon Film	DigiKey	CF18JT47K0CT-ND	<b>Y</b> 1	\$ 0.10	\$ 0.10
R8,9	R-POT	5K Pot	Bourns	PDB181-K420K-502B	5k Ohm 1 Gang Linear Panel Mount Potentiometer 1.0 Turns Carbon 0.2W, 1/5W PC Pins	DigiKey	PDB181-K420K-502B	Y 2	2 \$ 1.61	\$ 3.22
SW1-4	SW_TACT_6mm	Push Button	TE	1825910-6	Tactile Switch SPST-NO Top Actuated Through Hole	DigiKey	450-1650-ND	Y 4	\$ 0.16	\$ 0.64
SW5	SPDT ON-ON	Toggle Switch	TE/Alco	A101SDCQ04	Toggle Switches SPDT ON- ON 5A 120V	Mouser	506-A101SY9CQ04	Y 1	\$ 3.42	\$ 3.42
SW6,7	SPDT (ON)-ON	Toggle Switch	TE/Alco	6-1825136-3 Sub: A108SYCQ04 Sub: A108SYCB04	Toggle Switches 5A On (On) SPDT	Mouser	506-6-1825136-3 Sub: 506-A108SYCQ04 Sub: 506-A108SYCB04	Y 2	\$ 5.13	\$10.26
										\$37.44