

Qty	Designators	Footprint	Description	Manufacturer	Part Number	Cost Each (AUD)	BOM COST
2	C1, C2	C0805	CAPACITOR MULTI/CERAMIC SMD-0805 10UF 50V 20% X5R	TAIYO YUDEN	EMK212BJ106MG-T	\$0.136	\$0.272
1	C3	C2110	CAPACITOR MULTI/CERAMIC SMD-2110 47UF 16V 20% X5R	TAIYO YUDEN	EMK325BJ476MM-T	\$1.860	\$1.860
5	C4, C5, C8, C9, C10	C0805	CAPACITOR MULTI/CERAMIC SMD-0805 100NF 50V 5% X7R	KEMET	C0805C104J5RACTU	\$0.132	\$0.660
2	C6, C7	C1206	CAPACITOR MULTI/CERAMIC SMD-1206 10UF 10V 10% X7R	KEMET	C1206C10106K8RAC	\$0.407	\$0.814
1	D1	SOT-23	SCHOTTKY DIODE SOT-23 30V 200mA	MULTICOMP	BAT54C	\$0.204	\$0.204
1	D2	SOD-123	ZENER DIODE SOD-123 6.8V 500mW	ON SEMI	MMSZ5235BT1G	\$0.150	\$0.150
1	IC1	SOIC-28W	MAXIM RS485 TRANSCEIVER SOIC-26W/16	MAXIM	MAX3535ECWI	\$19.324	\$19.324
1	IC2	SOT-23	MAXIM ANALOG SWITCH SPST CMOS SOT-23 2-12V	MAXIM	MAX4514EUK+T	\$2.800	\$2.800
1	IC3	SOT-23	XOR GATE SOT-23 SINGLE 2-INPUT 5.5V	TEXAS INSTRUMENTS	SN74AHC1G86DBV	\$0.580	\$0.580
1	IC4	SOT-23	NAND GATE IC SINGLE 2-INPUT SOT-23 5.5V	TEXAS INSTRUMENTS	SN74AHC1G00DBV	\$0.690	\$0.690
1	J1	8PTH	MICROMATCH SOCKET TOP ENTRY 8WAY 1.27P	TYCO/AMP	7-215079-8	\$2.300	\$2.300
1	J2	4PTH	CONNECTOR 4PIN PANEL MALE PCB MOUNT	SWITCHCRAFT	EN3P4MP	\$6.730	\$6.730
1	J3	4PTH	CONNECTOR 4PIN PANEL FEMALE PCB MOUNT	SWITCHCRAFT	EN3P4FP	\$9.570	\$9.570
1	LED1	0805-LED	LED SMD 0805 80uCD FV=2.2V RED	DIALIGHT COPORATION	5988191102F	\$0.462	\$0.462
1	LED2	0805-LED	LED SMD 0805 8160uCD FV=3.2V BLUE	DIALIGHT CORPORATION	5988191102F	\$0.832	\$0.832
1	OK1	SMD-4	OPTOCOUPLER PHOTOTRANSISTOR 4PIN SMD	NEC	PS5281AL2	\$0.730	\$0.730
2	Q1, Q2	SOT-23	MOSFET N-CHANNEL SOT-23 50V 200mA VGS=1.5V	ON SEMI	BSS138LT1	\$0.074	\$0.148
3	R1, R6, R15	R0805	RESISTOR THICK FILM 100mW SMD-0805 1% 10K	MULTICOMP	MC 0.1W 0805 1% 10K	\$0.067	\$0.201
1	R10	R0805	RESISTOR THICK FILM 125mW SMD-0805 1% 590R	VISHAY DALE	CRCW0805590RFKEA	\$0.102	\$0.102
1	R11	R0805	RESISTOR THICK FILM 100mW SMD-0805 1% 11K	MULTICOMP	MC 0.1W 0805 1% 11K	\$0.067	\$0.067
2	R12, R13	R0805	RESISTOR THICK FILM 100mW SMD-0805 1% 200R	MULTICOMP	MC 0.1W 0805 1% 200R	\$0.067	\$0.134
1	R17	R0805	RESISTOR THICK FILM 100mW SMD-0805 1% 10R	MULTICOMP	MC 0.1W 0805 1% 10R	\$0.081	\$0.081
1	R2	R2512	RESISTOR THICK FILM 1W SMD-2512 5% 120R	TYCO ELECTRONICS	1622820-5	\$0.421	\$0.421
2	R3, R7	R0805	RESISTOR THICK FILM 100mW SMD-0805 1% 100R	MULTICOMP	MC 0.1W 0805 1% 100R	\$0.067	\$0.134
2	R4, R5	R2512	RESISTOR THICK FILM 1W SMD-2512 1% 100R	MULTICOMP	MC2512WF1000T4E	\$0.137	\$0.274
2	R8, R16	R0805	RESISTOR THICK FILM 100mW SMD-0805 1% 6K8	MULTICOMP	MC 0.1W 0805 1% 6K8	\$0.067	\$0.134
2	R9, R14	R1210	RESISTOR THICK FILM 500mW SMD-1210 1% 10R	PHYCOMP (YAGEO)	232276161009	\$0.460	\$0.920
1	TR1	SMD-6	TRANSFORMER CONVERTER 1:1.31 1.5KV 5V-5V	MURATA	78253/55MC	\$9.550	\$9.550
1	PCB	PCB	PCB IP-RS485 REV-A	ENTECH	IP-RS485-A	\$5.000	\$5.000
						BOM COST:	\$65.144
						QTY TO MAKE:	5
						BUILD COST:	\$325.72