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PCB Mount C103 C203 C104 C105 C204 C205 4 C101 C201 C1-C4, C106-C113, C206-C213 20 C102 C114 C115 C202 C214 C215 6 D101 D102 D201 D202 4 L1 L2 L101 L102 L201 L202 6 Q101 Q201 2 Q103 Q203 2 Q104 Q204 2 Q105 Q205 2 R117 R217 2 R146 R246 2 R140 R141 R148 R151 R152 R240 R241 R248 R251 R252 10 R144 R145 R214 R245 4 R116 R216 R147 R247 2 R133 R233 2 R124 R149 R224 R249 4 R119 R219	22u BAW 10u DMN DMN MME MME 390F 470F	56 IT3906W IT3904W IT3906 F5484 FJ201	C0805 C0805 C0805 CE5x5.8 SOT-23-3 L0805 SOT-363 SOT-363 SOT-23-3 SOT-23-3 SOT-23-3 R0805 R0805	Taiyo Yuden Diodes Inc Diodes Inc On Semiconductor On Semiconductor	CC0805JRNPO9BN221 ECH-U1C222GX5	Mouser	603-CC0805JRNPO9BN101 603-CC0805JRNPO9BN221 667-ECH-U1C222GX5 603-CC0805KRX7R9BB104 667-EEE-FK1V220AR 863-BAW56LT1G 963-LBC2012T100K 621-DMMT3906W-F 621-DMMT3906W-F 863-MMBT3906LT1G 512-MMBF5485 512-MMBF5485	C0G, 50V, 5% PPS, 16V, 2%	Note polarity – these are not symmetrical! Note polarity – these are not symmetrical!
C104 C105 C204 C205 4 C101 C201 2 C11-C4, C106-C113, C206-C213 20 C102 C114 C115 C202 C214 C215 6 D101 D102 D201 D202 4 L1 L2 L101 L102 L201 L202 6 Q101 Q201 2 Q102 Q202 2 Q103 Q203 2 Q104 Q204 2 Q105 Q205 2 R117 R217 2 R146 R246 2 R140 R141 R148 R151 R152 R240 R241 R248 R251 R252 10 R114 R145 R214 R245 4 R116 R216 2 R147 R247 2 R133 R233 2 R124 R149 R224 R249 4	220p 2n2 100n 22u BAW 10u DMM DMM MME MME MME MME 390F 470F	56 IT3906W IT3904W IT3906 F5484 FJ201	C0805 C0805 C0805 CE5x5.8 SOT-23-3 L0805 SOT-363 SOT-363 SOT-23-3 SOT-23-3 SOT-23-3 R0805 R0805	Yageo Panasonic Yageo Panasonic On Semiconductor Taiyo Yuden Diodes Inc Diodes Inc On Semiconductor On Semiconductor On Semiconductor Yageo	CC0805JRNPO9BN221 ECH-U1C222GX5 CC0805KRX7R9BB104 EEE-Fk1V220AR BAW56LT1G LBC201ZT100K DMMT3906W-7-F DMMT3906W-7-F MMBT3906LT1G MMBF5484 MMBF1201 RC0805FR-07390RL	Mouser	603-CC0805JRNPO9BN221 667-ECH-U1C222GX5 603-CC0805KRX7R9BB104 667-EEE-FK1V220AR 863-BAW56LT1G 963-LBC2012T100K 621-DMMT3906W-F 621-DMMT3906W-F 621-DMMT3906LT1G 512-MMBF5485	COG, 50V, 5% PPS, 16V, 2% X7R,50V, 10% 35V, 20%, 105deg Common anode dual diode 1.2R, 200mA, 10% Dual matched PNP Dual matched NPN PNP	
C101 C201 2 C1-C4, C106-C113, C206-C213 20 C1-C4, C106-C113, C206-C213 20 C102 C114 C115 C202 C214 C215 6 D101 D102 D201 D202 4 L1 L2 L101 L102 L201 L202 6 Q101 Q201 2 Q103 Q203 2 Q103 Q203 2 Q104 Q204 2 Q105 Q205 2 R117 R217 2 R146 R246 2 R140 R141 R148 R151 R152 R240 R241 R248 R251 R252 10 R241 R248 R251 R252 4 R116 R216 2 R147 R247 2 R133 R233 2 R124 R149 R224 R249 4	2n2 100n 22u BAW 10u DMM DMM MME MME 390F 470F 680F 1k8 2k	56 IT3906W IT3904W T3906 F5484 FJ201	C0805 C0805 C0805 C0805 C0805 SOT-23-3 L0805 SOT-363 SOT-363 SOT-23-3 SOT-23-3 SOT-23-3 R0805 R0805	Panasonic Yageo Panasonic On Semiconductor Taiyo Yuden Diodes Inc Diodes Inc On Semiconductor On Semiconductor On Semiconductor Yageo	ECH-U1C222GX5 CC0805KRX7R9BB104 EEE-FK1V220AR BAW56LT1G LBC201ZT100K DMMT3906W-7-F DMMT3904W-7-F MMBT3906LT1G MMBF5484 MMBFJ201 RC0805FR-07390RL	Mouser Mouser Mouser Mouser Mouser Mouser Mouser Mouser Mouser Mouser Mouser	667-ECH-U1C222GX5 603-CC0805KRX7R9BB104 667-EEE-FK1V220AR 863-BAW56LT1G 963-LBC2012T100K 621-DMMT3906W-F 621-DMMT3904W-F 863-MMBT3906LT1G 512-MMBF5485	PPS, 16V, 2% X7R,50V, 10% 35V, 20%, 105deg Common anode dual diode 1.2R, 200mA, 10% Dual matched PNP Dual matched NPN PNP	
C1-C4, C106-C113, C206-C213 20 C102 C114 C115 C202 C214 C215 6 D101 D102 D201 D202 4 L1 L2 L101 L102 L201 L202 6 Q101 Q201 2 Q102 Q202 2 Q104 Q204 2 Q105 Q205 2 Q104 Q204 2 Q105 Q205 2 R147 R217 2 R146 R246 2 R140 R141 R148 R151 R152 R240 R241 R248 R251 R252 10 R114 R145 R214 R245 4 R116 R216 2 R147 R247 2 R148 R251 R252 1 R147 R247 2 R147 R247 2 R148 R251 R252 4 R158 R251 R252 3 R178 R247 2 R148 R251 R252 3 R178 R247 2 R148 R251 R252 4 R158 R251 R252 3 R158 R251 R252 3 R178 R247 2 R178 R247 2 R178 R247 2 R178 R247 2 R178 R33 R233 2 R124 R149 R224 R249 4	100n 22u BAW 10u DMM MME MME MMB 390F 470F 680F 1k8 2k	56 IT3906W IT3904W T3906 F5484 FJ201	C0805 C0805 C0805 C05x5.8 SOT-23-3 L0805 SOT-363 SOT-23-3 SOT-23-3 SOT-23-3 R0805 R0805	Panasonic Yageo Panasonic On Semiconductor Taiyo Yuden Diodes Inc Diodes Inc On Semiconductor On Semiconductor On Semiconductor Yageo	CC0805KRX7R9BB104 EEE-FK1V220AR BAW56LT1G LBC2012T100K DMMT3906W-7-F DMMT3904W-7-F MMBT3906LT1G MMBF5484 MMBFJ201 RC0805FR-07390RL	Mouser	603-CC0805KRX7R9BB104 667-EEE-FK1V220AR 863-BAW56LT1G 963-LBC2012T100K 621-DMMT3906W-F 621-DMMT3904W-F 863-MMBT3906LT1G 512-MMBT5906LT1G	X7R,50V, 10% 35V, 20%, 105deg Common anode dual diode 1.2R, 200mA, 10% Dual matched PNP Dual matched NPN PNP	
C1-C4, C106-C113, C206-C213 20 C102 C114 C115 C202 C214 C215 6 D101 D102 D201 D202 4 L1 L2 L101 L102 L201 L202 6 Q101 Q201 2 Q102 Q202 2 Q104 Q204 2 Q105 Q205 2 Q104 Q204 2 Q105 Q205 2 R147 R217 2 R146 R246 2 R140 R141 R148 R151 R152 R240 R241 R248 R251 R252 10 R114 R145 R214 R245 4 R116 R216 2 R147 R247 2 R148 R251 R252 1 R147 R247 2 R147 R247 2 R148 R251 R252 4 R158 R251 R252 3 R178 R247 2 R148 R251 R252 3 R178 R247 2 R148 R251 R252 4 R158 R251 R252 3 R158 R251 R252 3 R178 R247 2 R178 R247 2 R178 R247 2 R178 R247 2 R178 R33 R233 2 R124 R149 R224 R249 4	100n 22u BAW 10u DMM MME MME MMB 390F 470F 680F 1k8 2k	56 IT3906W IT3904W T3906 F5484 FJ201	C0805 CE5x5.8 SOT-23-3 L0805 SOT-363 SOT-363 SOT-23-3 SOT-23-3 SOT-23-3 R0805 R0805	Yageo Panasonic On Semiconductor Taiyo Yuden Diodes Inc Diodes Inc On Semiconductor On Semiconductor On Semiconductor Yageo	CC0805KRX7R9BB104 EEE-FK1V220AR BAW56LT1G LBC2012T100K DMMT3906W-7-F DMMT3904W-7-F MMBT3906LT1G MMBF5484 MMBFJ201 RC0805FR-07390RL	Mouser	603-CC0805KRX7R9BB104 667-EEE-FK1V220AR 863-BAW56LT1G 963-LBC2012T100K 621-DMMT3906W-F 621-DMMT3904W-F 863-MMBT3906LT1G 512-MMBT5906LT1G	X7R,50V, 10% 35V, 20%, 105deg Common anode dual diode 1.2R, 200mA, 10% Dual matched PNP Dual matched NPN PNP	
C102 C114 C115 C202 C214 C215 6 D101 D102 D201 D202 4 L1 12 L101 L102 L201 L202 6 Q101 Q201 2 Q102 Q202 2 Q103 Q203 2 Q104 Q204 2 Q105 Q205 2 R117 R217 2 R146 R246 2 R140 R141 R148 R151 R152 R240 R241 R248 R251 R252 10 R114 R145 R214 R245 4 R116 R216 2 R147 R247 2 R133 R233 2 R124 R149 R224 R249 4	22u BAW 10u DMN DMN MME MM8 3906 4706 6806 118 2k 2k2	56 TT3906W TT3904W TT3906 F5484 FJ201	CE5x5.8 SOT-23-3 L0805 SOT-363 SOT-363 SOT-23-3 SOT-23-3 SOT-23-3 R0805 R0805	Panasonic On Semiconductor Taiyo Yuden Diodes Inc Diodes Inc On Semiconductor On Semiconductor On Semiconductor Yageo	EEE-FK1V220AR BAW56LT1G LBC2012T100K DMMT3906W-7-F DMMT3904W-7-F MMBT3906LT1G MMBF5484 MMBFJ201 RC0805FR-07390RL	Mouser Mouser Mouser Mouser Mouser Mouser Mouser Mouser	667-EEE-FK1V220AR 883-BAW56LT1G 963-LBC2012T100K 621-DMMT3906W-F 621-DMMT3904W-F 883-MMBT3906LT1G 512-MMBF5485	35V, 20%, 105deg Common anode dual diode 1.2R, 200mA, 10% Dual matched PNP Dual matched NPN PNP	
D101 D102 D201 D202 4 L1 L2 L101 L102 L201 L202 6 Q101 Q201 2 Q102 Q202 2 Q103 Q203 2 Q104 Q204 2 Q105 Q205 2 R117 R217 2 R146 R246 2 R140 R141 R148 R151 R152 R240 R241 R248 R251 R252 10 R241 R248 R251 R252 4 R116 R216 2 R147 R247 2 R133 R233 2 R124 R149 R224 R249 4	BAW 10u DMM MME MME 390F 470F 680F 1k8 2k	T3906W T3904W T3906 F5484 FJ201	SOT-23-3 L0805 SOT-363 SOT-363 SOT-23-3 SOT-23-3 SOT-23-3 R0805 R0805	On Semiconductor Taiyo Yuden Diodes Inc Diodes Inc On Semiconductor On Semiconductor On Semiconductor Yageo	BAW56LT1G LBC2012T100K DMMT3906W-7-F DMMT3904W-7-F MMBT3906LT1G MMBF5484 MMBFJ201 RC0805FR-07390RL	Mouser Mouser Mouser Mouser Mouser Mouser Mouser	863-BAW56LT1G 963-LBC2012T100K 621-DMMT3906W-F 621-DMMT3904W-F 863-MMBT3906LT1G 512-MMBF5485	Common anode dual diode 1.2R, 200mA, 10% Dual matched PNP Dual matched NPN PNP	
L1 L2 L101 L102 L201 L202 6 Q101 Q201 2 Q102 Q202 2 Q103 Q203 2 Q104 Q204 2 Q105 Q205 2 R117 R217 2 R146 R246 2 R140 R141 R148 R151 R152 R240 R241 R248 R251 R252 10 R141 R145 R214 R245 4 R116 R216 2 R147 R247 2 R133 R233 2 R124 R149 R224 R249 4	10u DMM DMM MME MME MME 390F 470F 680F 1k8 2k 2k2	T3906W T3904W T3906 F5484 FJ201	L0805 SOT-363 SOT-363 SOT-23-3 SOT-23-3 SOT-23-3 R0805 R0805	Taiyo Yuden Diodes Inc Diodes Inc On Semiconductor On Semiconductor On Semiconductor Yageo	LBC2012T100K DMMT3906W-7-F DMMT3904W-7-F MMBT3906LT1G MMBF5484 MMBF5484 MMBF3201 RC0805FR-07390RL	Mouser Mouser Mouser Mouser Mouser Mouser	963-LBC2012T100K 621-DMMT3906W-F 621-DMMT3904W-F 863-MMBT3906LT1G 512-MMBF5485	1.2R, 200mA, 10% Dual matched PNP Dual matched NPN PNP	
Q101 Q201 2 Q102 Q202 2 Q103 Q203 2 Q104 Q204 2 Q105 Q205 2 R117 R217 2 R146 R246 2 R140 R141 R148 R151 R152 R240 R241 R248 R251 R252 10 R141 R148 R214 R245 4 R116 R216 2 R147 R247 2 R133 R233 2 R124 R149 R224 R249 4	DMM DMM MME MME 3906 4706 6806 1k8 2k	T3906W T3904W T3906 F5484 FJ201	SOT-363 SOT-363 SOT-23-3 SOT-23-3 SOT-23-3 R0805 R0805	Diodes Inc Diodes Inc On Semiconductor On Semiconductor On Semiconductor Yageo	DMMT3906W-7-F DMMT3904W-7-F MMBT3906LT1G MMBF5484 MMBFJ201 RC0805FR-07390RL	Mouser Mouser Mouser Mouser Mouser	621-DMMT3906W-F 621-DMMT3904W-F 863-MMBT3906LT1G 512-MMBF5485	Dual matched PNP Dual matched NPN PNP	
Q102 Q202 2 Q103 Q203 2 Q104 Q204 2 Q105 Q205 2 R117 R217 2 R146 R246 2 R241 R248 R251 R152 R240 R241 R248 R251 R252 R14 R148 R214 R245 4 R116 R216 2 R147 R247 2 R133 R233 2 R124 R149 R224 R249 4	DMM MME MME 390F 470F 680F 1k8 2k 2k2	T3904W T3906 F5484 FJ201	SOT-363 SOT-23-3 SOT-23-3 SOT-23-3 R0805 R0805	Diodes Inc On Semiconductor On Semiconductor On Semiconductor Yageo	DMMT3904W-7-F MMBT3906LT1G MMBF5484 MMBFJ201 RC0805FR-07390RL	Mouser Mouser Mouser Mouser	621-DMMT3904W-F 863-MMBT3906LT1G 512-MMBF5485	Dual matched NPN PNP	
Q103 Q203 2 Q104 Q204 2 Q105 Q205 2 R117 R217 2 R146 R246 2 R140 R141 R148 R151 R152 R240 R241 R248 R251 R252 R241 R248 R251 R252 10 R114 R145 R214 R245 4 R116 R216 2 R173 R247 2 R133 R233 2 R124 R149 R224 R249 4	MME MME 390F 470F 680F 1k8 2k 2k2	T3906 F5484 FJ201	SOT-23-3 SOT-23-3 SOT-23-3 R0805 R0805	On Semiconductor On Semiconductor On Semiconductor Yageo	MMBT3906LT1G MMBF5484 MMBFJ201 RC0805FR-07390RL	Mouser Mouser Mouser	863-MMBT3906LT1G 512-MMBF5485	PNP	vote pourity these are not symmetrical.
Q104 Q204 2 Q105 Q205 2 R117 R217 2 R146 R246 2 R241 R248 R251 R152 R250 10 R241 R248 R251 R252 4 R114 R145 R214 R245 4 R16 R216 2 R147 R247 2 R133 R233 2 R124 R149 R224 R249 4	MME MME 390F 470F 680F 1k8 2k 2k2	F5484 FJ201	SOT-23-3 SOT-23-3 R0805 R0805	On Semiconductor On Semiconductor Yageo	MMBF5484 MMBFJ201 RC0805FR-07390RL	Mouser Mouser	512-MMBF5485		
Q105 Q205 2 R117 R217 2 R146 R246 2 R140 R141 R148 R151 R152 R240 R241 R248 R251 R252 10 R114 R145 R214 R245 4 R116 R216 2 R147 R247 2 R133 R233 2 R124 R149 R224 R249 4	MME 390F 470F 680F 1k8 2k 2k2	FJ201	SOT-23-3 R0805 R0805	On Semiconductor Yageo	MMBFJ201 RC0805FR-07390RL	Mouser	1 11	N-Chamiler of E1	
R117 R217 2 R146 R246 2 R140 R141 R148 R151 R152 R240 2 R241 R248 R251 R252 10 R114 R145 R214 R245 4 R116 R216 2 R147 R247 2 R133 R233 2 R124 R149 R224 R249 4	390F 470F 680F 1k8 2k 2k2	<u> </u>	R0805 R0805	Yageo	RC0805FR-07390RL			N-Channel JFET	Select for VGS(off) = 1.13V
R146 R246 2 R140 R141 R148 R151 R152 R240 R241 R248 R251 R252 10 R114 R145 R214 R245 4 R116 R216 2 R147 R247 2 R133 R233 2 R124 R149 R224 R249 4	470F 680F 1k8 2k 2k2	l	R0805				603-RC0805FR-07390RL	150V, 125mW, 1%, 100PPM	Select 101 VGS(011) = 1.13V
R140 R141 R148 R151 R152 R240 R241 R248 R251 R252 10 R114 R145 R214 R245 4 R116 R216 2 R147 R247 2 R133 R233 2 R124 R149 R224 R249 4	680F 1k8 2k 2k2	!		rageo	RCU0USFR-U/4/URL	Mouser	603-RC0805FR-07470RL	150V, 125mW, 1%, 100PPM	
R241 R248 R251 R252 10 R114 R145 R214 R245 4 R116 R216 2 R147 R247 2 R133 R233 2 R124 R149 R224 R249 4	1k8 2k 2k2		R0805			Mousei	003-RC0605FR-07470RL	150V, 125IIIW, 1%, 100PPW	
R114 R145 R214 R245 4 R116 R216 2 R147 R247 2 R133 R233 2 R124 R149 R224 R249 4	1k8 2k 2k2		R0805	V	D0000FFD 07000DI		CO2 DC0005ED 07C00DI	150V 105W 10V 100DDM	
R116 R216 2 R147 R247 2 R133 R233 2 R124 R149 R224 R249 4	2k 2k2		DOOOF	Yageo	RC0805FR-07680RL	Mouser	603-RC0805FR-07680RL	150V, 125mW, 1%, 100PPM	
R147 R247 2 R133 R233 2 R124 R149 R224 R249 4	2k2			Yageo	RC0805FR-071K8L	Mouser	603-RC0805FR-071K8L	150V, 125mW, 1%, 100PPM	AN 5 N / 4474047
R133 R233 2 R124 R149 R224 R249 4				TE Connectivity	LT732K0JTG	Small Bear	2530	PTC 5%	Alt. Farnell p/n 1174317
R124 R149 R224 R249 4	2k49			Yageo	RC0805FR-072K2L	Mouser	603-RC0805FR-072K2L	150V, 125mW, 1%, 100PPM	
				Yageo	RC0805FR-072K49L	Mouser	603-RC0805FR-072K49L	150V, 125mW, 1%, 100PPM	
R119 R219	3k3			Yageo	RC0805FR-073K3L	Mouser	603-RC0805FR-073K3L	150V, 125mW, 1%, 100PPM	
	4k99			Yageo	RC0805FR-074K99L	Mouser	603-RC0805FR-074K99L	150V, 125mW, 1%, 100PPM	
R129 R142 R143 R229 R242 R243 6	6k8			Yageo	RC0805FR-076K8L	Mouser	603-RC0805FR-076K8L	150V, 125mW, 1%, 100PPM	
R150 R250 2	9k1		R0805	Yageo	RC0805FR-079K1L	Mouser	603-RC0805FR-079K1L	150V, 125mW, 1%, 100PPM	
R1 R2 R106 R109 R115 R122 R206									
R209 R215 R222 10	10k		R0805	Yageo	RC0805FR-0710KL	Mouser	603-RC0805FR-0710KL	150V, 125mW, 1%, 100PPM	
R121 R125 R130 R221 R225 R230 6	15k		R0805	Yageo	RC0805FR-0715KL	Mouser	603-RC0805FR-0715KL	150V, 125mW, 1%, 100PPM	
R118 R144 R218 R244 4	33k		R0805	Yageo	RC0805FR-0733KL	Mouser	603-RC0805FR-0733KL	150V, 125mW, 1%, 100PPM	
R120 R126 R220 R226 4	68k			Yageo	RC0805FR-0768KL	Mouser	603-RC0805FR-0768KL	150V, 125mW, 1%, 100PPM	
R107 R111 R113 R207 R211 R213 6	100k		R0805	Yageo	RC0805FR-07100KL	Mouser	603-RC0805FR-07100KL	150V, 125mW, 1%, 100PPM	
R105 R205 2	120k		R0805	Yageo	RC0805FR-07120KL	Mouser	603-RC0805FR-07120KL	150V, 125mW, 1%, 100PPM	SOT for correct V/O scaling
R103 R123 R128 R203 R223 R228 6	150k			Yageo	RC0805FR-07150KL	Mouser	603-RC0805FR-07150KL	150V, 125mW, 1%, 100PPM	9
R101 R102 R201 R202 4	180k			Yageo	RC0805FR-07180KL	Mouser	603-RC0805FR-07180KL	150V, 125mW, 1%, 100PPM	
R134 R137 R138 R139 R234 R237									
R238 R239 8	330k		R0805	Yageo	RC0805FR-07330KL	Mouser	603-RC0805FR-07330KL	150V, 125mW, 1%, 100PPM	
R112 R132 R212 R232 4	390k			Yageo	RC0805FR-07390KL	Mouser	603-RC0805FR-07390KL	150V, 125mW, 1%, 100PPM	
R135 R235 2	430k			Yageo	RC0805FR-07430KL	Mouser	603-RC0805FR-07430KL	150V, 125mW, 1%, 100PPM	
R127 R227 2	680k			Yageo	RC0805FR-07680KL	Mouser	603-RC0805FR-07680KL	150V, 125mW, 1%, 100PPM	
R131 R136 R231 R236 4	820k			Yageo	RC0805FR-07820KL	Mouser	603-RC0805FR-07820KL	150V, 125mW, 1%, 100PPM	
R100 R110 R208 R210 4	1M5			Yageo	RC0805FR-071M5L	Mouser	603-RC0805FR-071M5L	150V, 125mW, 1%, 100PPM	
R100 R110 R208 R210 4 R104 R204 2	2M7			Yageo	RC0805FR-071M5L RC0805FR-072M2L	Mouser	603-RC0805FR-072M2L	150V, 125mW, 1%, 100PPM	
TR103 TR203 2	100F			Bourns	3224W-1-101E	Mouser	652-3224W-1-101E	500V,250mW, 20%, 100PPM	
TR103 TR203 2 TR104 TR204 2	20k			Bourns	3314J-1-203E	Mouser	652-3224W-1-101E 652-3314J-1-203E	500V,250mW, 20%, 100PPM 500V,250mW, 20%, 100PPM	
TR101 TR102 TR201 TR202 4 TR105 TR205 2	100k			Bourns	3314J-1-104E	Mouser	652-3314J-1-104E	500V,250mW, 20%, 100PPM	
	1M			Bourns	3314J-1-105E	Mouser	652-3314J-1-105E	500V,250mW, 20%, 100PPM	
U1 1	ADR			Analog Devices	ADR01ARZ	Mouser	584-ADR01ARZ	10V reference, 0.1%, 3PPM	
U101 U201 2	TL07				TL074IDR	Mouser	595-TL074IDR	Quad operational amplifier, JFET input	
U102 U202 2	LM13				LM13700MX/NOPB	Mouser	926-LM13700MX/NOPB	Dual transconductance amplifier	
U103 U203 2	TL07				TL072IDR	Mouser	595-TL072IDR	Dual operational amplifier, JFET input	
U2 U104 U204 3	TL07				TL071IDR	Mouser	595-TL071IDR	Operational amplifier, JFET input	
VR102 VR202 2	100k	Lin	RD901F-40-00D	Song Huei	R0904N-B100K-L-25KQ	Small Bear	1012A4-B100K	9mm RA PCB mount potentiometer	
VR101 VR103 VR104 VR106 VR201 VR203 VR204 VR206 8	100k	Lin	RV16AF-41-(L)R1-XXX	Alpha	RV16AF-41-15R1-104B	Small Bear	1011 B100K	16mm RA PCB mount potentiometer	Snap off locating lug
VR105 VR205 2	100k		RV16AF-41-(L)R1-XXX		RV16AF-41-15R1-104A	Small Bear	1011 A100K	16mm RA PCB mount potentiometer	Snap off locating lug
10			. ,	Alpha	M7x0.75	Small Bear	1018	Toothed washer for 16mm potentiometer	Fit between potentiometer body and panel
10				Alpha		Small Bear	1011AM	Dust cover for 16mm potentiometer	Fit on all 16mm potentiometers
J106-J108, J206-J208 2	Shap	e Sel		Samtec	TSW-103-07-F-T	Mouser	200-TSW10307GT	3R3P header 2.54mm	Alt. Farnell p/n 2050709

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Reference	Quantity	Value	Footprint	Manufacturer	MPN	Supplier	Order Code	Description	Notes
Panel Mount									
J101 J102 J105 J201 J202 J205	6	CV inputs		Johnson	108-0903-001	Mouser	530-108-0903-1	Black banana jack	
J103 J203	2	V/O input		Johnson	108-0913-001	Mouser	530-108-0913-1	Grey banana jack	
J104 J109 J110 J111 J204 J209 J210									
J211	8	Audio IO		Switchcraft	41	Mouser	502-41	Tinijax	
24awg wire black 25mm length	14			Alpha Wire	892419 BK005	Mouser	602-892419-100-02	Wiring to CV inputs + audio shields	Strip 4mm each end. Order code is for 30.5m reel.
24awg wire grey 25mm length	2			Alpha Wire	892419 SL005	Mouser	602-892419-100-09	Wiring to V/O inputs	Strip 4mm each end. Order code is for 30.5m reel.
24awg wire white 25mm length	8			Alpha Wire	892419 WH005	Mouser	602-892419-100-01	Wiring to Audio IO	Strip 4mm each end. Order code is for 30.5m reel.
Hardware & Misc									
PCB	1			Dunnington Audio		thebeast.co.uk	http://thebeast.co.uk/?product	=Printed circuit board	
Front panel	1			The Beast		thebeast.co.uk	http://thebeast.co.uk/?product	Front panel	If using alternate panels, drill out the scale trim pot holes to 8.5mm
M3x14mm F-F Standoff	5			Harwin	R30-1001402	Mouser	855-R30-1001402		
M3x6mm Pozi CSK	5			RS Pro		RS	528-946		Panel to standoff fixing
M3x6mm Pozi Pan SEMS	5			RS Pro		RS	279-149		PCB to standoff fixing
M3 Toothed Washer	5			RS Pro		RS	526-574		Fit between standoffs and panel
Small Knob	8			Davies Molding	1610AA	Mouser	5164-1610AA		Fit on VR103-VR106 & VR203-VR206
Large knob	2			Davies Molding	1600BM	Mouser	5164-1600BM		Fit on VR101 & VR201
J1	1	Power		EDAC	306-010-500-102	Mouser	587-306-50-010	10P edge connector, 3.96mm	
	1			EDAC	338-240-328	Mouser	587-338-240-328	Polarizing key	Fit in position 7 of power EDAC
20awg wire black 350mm length	1	Q		Alpha Wire	892019 BK005	Mouser	602-892019-100-02		EDAC position 1. Order code is for 30.5m reel.
20awg wire white 350mm length	1	-15V		Alpha Wire	892019 WH005	Mouser	602-892019-100-01		EDAC position 2. Order code is for 30.5m reel.
20awg wire red 350mm length	1	+15V		Alpha Wire	892019 RD005	Mouser	602-892019-100-03		EDAC position 3. Order code is for 30.5m reel.
Expandable Sleeving 3mm 300mm	1			Alpha Wire	GRP1301/8 BK007	Mouser	602-130018-50BK		Fit over power cabling
Heatshrink 6.35mm 40mm length	2			Alpha Wire	FIT221V1/4 BK103	Mouser	602-221V014-4		Fit at each end of expandable sleeving
Heatshrink 3.18mm 12mm length	3			Alpha Wire	FIT221V1/8 BK103	Mouser	602-221V018-4		Fit over terminated EDAC contacts
Cable ties	2			Panduit	PLT.7M-M	Mouser	644-PLT.7M-M		Secure power cabling to PCB and EDAC
Shunt, 3 position	2			Samtec	MNT-103-BK-G	Mouser	200-MNT103BKG		Alt. Farnell p/n 2779698 - Fit on Shape Sel headers for desired operation
Thermally conductive epoxy	1			MG Chemicals	8329TFF-25ML	Mouser	590-8329TFF-25ML		Optionally apply over Q101/R116 and Q201/R216