

Bill of Materials for: µMax BANDIDO II

Count Label-Value DESCRIPTION

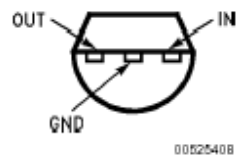
4	470nF	C1, C30, C31, C37	WIMA MKS
1	47nF	C2	WIMA MKS
3	100µF	C4, C5, C42	electrolytics
2	220µF	C6, C8	electrolytics
1	10µF	C7	tantalum / electrolytics
1	100pF	C9	WIMA MKS
2	22pF	C10, C18	ceramic
1	180pF	C12	ceramic
1	10pF	C13	ceramic
1	8.2pF	C14	ceramic
1	33nF	C15	WIMA MKS
1	39pF	C16	ceramic
1	220nF	C17	WIMA MKS
6	100nF	C19, C20, C21, C25, C34, C36	WIMA MKS
6	10nF	C22, C23, C24, C28, C29, C35	WIMA MKS
2	22nF	C32, C33	WIMA MKS
2	4.7µF	C38, C39	can be electrolytics
6	0.1µF	C40...C45	decoupling caps for IC3,5,6,7,9,10 not represented on schematic cabled on IC's supply rail Note: 100nF OR 10nF ?
11	DIODE	D1, D2, D3, D4, D5, D6, D7 D8, D9, D10, D11	1N4148 / 1N914 1N4148 / 1N914
1	4024	IC1	
1	LM2931	IC2	
3	TLC2262	IC3, IC6, IC10	
1	4066	IC4	
2	LM393	IC5, IC8	
2	MC33178	IC7, IC9	
1	1.2k	R1	
1	12k	R2	
7	20k	R3, R22, R25, R31, R32, R33, R62	
4	47k	R4, R34, R47, R48	
7	10k	R5, R6, R21, R51, R64, R68, R70	
3	2.2k	R7, R60, R65	
5	200k	R8, R11, R39, R58, R59	
10	100k	R9, R10, R23, R28, R29, R35 R36, R37, R61, R63	
1	430k	R12	
6	1k	R13, R20, R30, R42, R53, R67	
1	20	R14	
5	5.1k	R15, R26, R27, R44, R46	
2	150	R16, R18	
1	100	R17	
1	82k	R19	
1	68k	R24 optional	
2	2.7M	R38, R40	
1	470k	R41	
4	1M	R43, R45, R56, R57	
2	620k	R49, R50	
1	150k	R52	
2	4.7k	R54, R55	
1	200	R66	

1	27k	R69	
1	POT	10k var	SENSITIVITY with switch (power ON/OFF)
1	POT	100k	THRESHOLD
1	POT	470 (220 ~ 470)	HEADER VOLUME
1	POT	100k var	DISCRIMINATION
1	POT	50k var	50K 3.5 Turns
1	SPEAKER		
4	2N3906	T1,T3,T6,T7	
3	2N3904	T2,T4,T5	
1	U1	Standard Stereo Jack	
1	CONN	J1	
1	CONN	J2	
2	SWITCHES	S1 ON/OFF used for Auto/Manual mode	
		SW1 & 2 (ON-OFF-TEMPORARY)	
		- temporary used for RETUNE	
		- OFF is the middle pos. For All Metal mode	
		- ON is used for Disc. mode	

PACKAGES

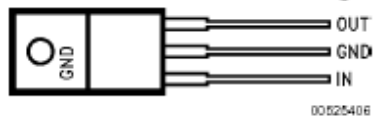
LM 2931

TO-92 Plastic Package



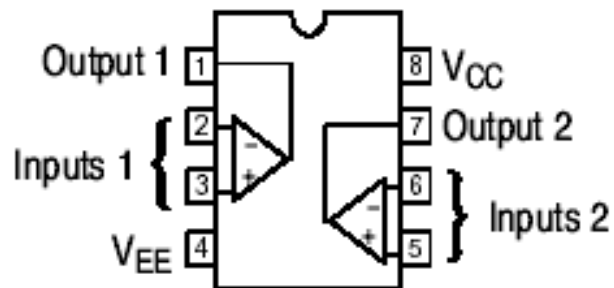
Bottom View

TO-220 3-Lead Power Package

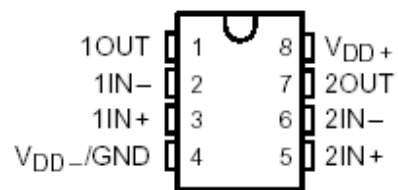


Front View

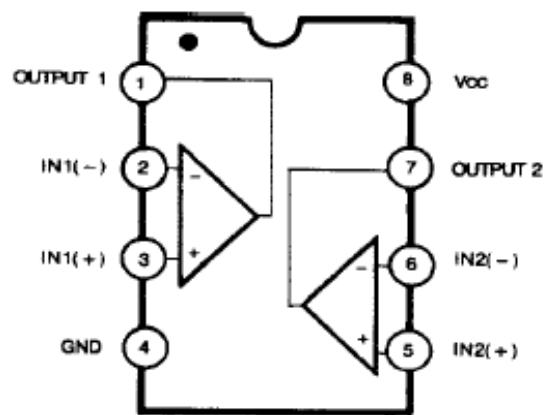
MC33178



TLC2262

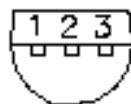


LM393



TO-92

TO-92 {92,94,96}



$\begin{matrix} \overline{Z} \\ \overline{Q} \end{matrix}$	92		94		96	
	B	F	B	F	B	F
1	E	D	E	D	B	S
2	B	S	C	G	E	D
3	C	G	B	S	C	G
