

Novel Engineering Rapid Design Services, Inc. dba ReadyShot  
Model: RS-MGZ  
Parts List

READY SHOT

Author:  
Schematic File:  
Date Of Schematic:  
Schematic Revision:  
Drawn By:  
BOM Revision:

Greg Parkhurst- TONKA TRONIX  
briggiera.schdoc  
2010-04-29  
F PRELIMINARY  
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TRIGGER BOARD

Edited by Sharen Wright 1/13/10

Item	QTY	Altion P/N	REFERENCE DESIGNATOR	DESCRIPTION	VALUE	MANUFACTURER	MFG PART #	DIGIKEY #	NO STK
1	2	RS05012	B1, B2	BATTERY HOLDER, 3V, 20MM	3V, 20MM	KEYSTONE ELECTRONICS	1089	1089KND	NO STK
2	4	RS01000	C1, C5, C9, C10	CAPACITOR, 0603	10uF	Radio Tuden	GRM188R010BME47D	490-3896-1-ND	NO STK
3	3	RS01001	C2, C11, C19	CAPACITOR, 0603	0.1uF	Kemet	CG03C104J4RAC1U	399-1087-1-ND	NO STK
4	3	RS01002	C13, C18, C20	CAPACITOR, 0603	330uF	Kemet	CG03C331J5GACTU	399-1088-1-ND	NO STK
5	2	RS01011	C6, C16	CAPACITOR, 0603	0.01uF	Kemet	CG03C010J5RAC1U	399-1092-1-ND	NO STK
6	2		C21, C23	CAPACITOR, 0603	0.59uF	Kemet	CG03C598C5GACTU	399-1044-1-ND	NO STK
7	1		C22	RESISTOR, 0603	0 OHM	Vishay/Dale	CRCW06030000Z0EA	541-0105GCT-ND	NO STK
8									
9	1	RS04004	D1	DIODE-SCHOTTKY	MSS1P3	Vishay/Dale	MSS1P3	712-1447-1-ND	NO STK
10	1	RS06004	L1	INDUCTOR, 0603	120uH	Johnson Technology Inc	DF13-AP-1.250SA	H2196-ND	NO STK
11	1	RS08003	E1	CONDUCTIVE POSITION		General Cable	C2016A-21-01	C2016B-100G-ND	NO STK
12	18 R	RS14002	R4, P5	TO-FROM SWITCH 5MM	22 AWG STRANDED	Hirose	DF1B-2P-2.5DS(G1)	H3632-ND	NO STK
13	1	RS02007	PH	CONNECTOR, 2 POSITION		Hirose	DF1B-2P-2.5DS	H10999-ND	NO STK
14	450 R	RS14003	P7, P8	WIRE - ANTENNA, 13.74CM WIRE LOOP	22 AWG SOLID	General Cable	C2004A-21-01	G2004B-100G-ND	NO STK
15	2	RS13003	Q1, Q2	MOSFET P-CH SOT-23	NTR4101PT1	ON SEMI	NTR4101PT1G	NTR4101PT1G0SCT-ND	NO STK
16	3	RS13004	Q3, Q4, Q5	MOSFET N-CH SOT-23	95S123	Infineon Technologies	BSS123	DMP2160JUCT-ND	NO STK
17	1	RS30016	R6	RESISTOR, 0603	680K	Vishay/Dale	CRCW0603680KJNEA	541-569GCT-ND	NO STK
18	1	RS30017	R2	RESISTOR, 0603	56	Vishay/Dale	CRCW060356R0JNEA	541-569GCT-ND	NO STK
19	3	RS30018	R3, R8, R9	RESISTOR, 0603	1K	Vishay/Dale	CRCW06031K00JNEA	541-569GCT-ND	NO STK
20	1	RS30004	R4	RESISTOR, 0603	100K	Vishay/Dale	CRCW0603100KJNEA	541-569GCT-ND	NO STK
21	1	RS30014	R6	RESISTOR, 0603	47K	Vishay/Dale	CRCW060347K0JNEA	541-569GCT-ND	NO STK
22	1	RS30014	R3	RESISTOR, 0603	47K	Vishay/Dale	CRCW060347K0JNEA	541-569GCT-ND	NO STK
23	1	RS18012	U1	CAPACITOR, 0603	1.89uF	AVX	06035A189CA12Z	470-1111-1-ND	NO STK
24	1	RS18008	U2	OP-AMP, 50189-3	1.89uF	AVX	06035A189CA12Z	470-1111-1-ND	NO STK
25	1	RS18008	U6	OP-AMP, 50189-3	1.89uF	AVX	06035A189CA12Z	470-1111-1-ND	NO STK
26	1	RS18008	U6	OP-AMP, 50189-3	1.89uF	AVX	06035A189CA12Z	470-1111-1-ND	NO STK
27	1	RS03001	X1	X-TAL-SMT	13.56MHz	Allegro	AT321L1UA-T	620-1024-ND	NO STK
28	1	RS07RIGGER	PCB	20MM X 74MM	REV 5	Cyaltec	briggiera.zip	744-1005-1-ND	NO STK
29	1	RS05013	SW TACT-SPST	SW TACT-SPST	REV 5	Grayhill	39-3	GHT1345-ND	NO STK
REVISION HISTORY									
A				2010-01-05	INITIAL RELEASE				
B				2010-01-12	CHANGED PART				
C				2010-01-12	CHANGED WIRE LENGTH FOR P7, P8				
D				2010-01-20	DO NOT STUFF R13 to increase RF range				
E				2010-03-30	CHANGED C21, C23 TO 0.59uF				
F				2010-04-29	CHANGED C22 TO 0 OHM RESISTOR				
					CHANGED R13 TO 47K				
					CHANGED R14 TO 1.89uF CAP				
					CHANGED P7, P8 TO 13.74CM				