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Document Title: IA-SMK1 Part list	Date: 0/ 11/ 08	

Project: ETS (Emergency Telecommunication System)

Revision	Changes	Date	Approved By

	Name	Date	Signature	Customer approval	
Prepared by	T. Hachamo			Name	
Checked by	D. Lavee			Sign.	
Approved by	D. Lavee			Date	
Q.A					



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<u>Ref.</u>	<u>Description</u>	<u>Part Number</u>	<u>Package</u>	<u>Manuf./ Vendor</u>	<u>Qty</u>	<u>Notes</u>
E1	Antenna	ANT-SMK1	T.H	AQI	1	
U1, U8	Voltage detector	NCP303LSN20T1	SOT 23 – 5	On Semi.	2	
U2	Microcontroller	XE88LC06A	TQFP 32	Xemics	1	
U3	1K I ² C Serial EEPROM	24LC01B/SN	SOIC 8	Microchip	1	
U4	Step up DC to DC converter	NCP1400ASN33T1	SOT 23 –5	On Semi.	1	
U5	Transceiver	XE1202	LQFP 44	Xemics	1	
U6	SPDT RF switch	HWS305	SOT 26	Hexawave	1	
U7	SAW filter	SAFCH915MAL0N00B0S	SMD	Murata	1	
Y1	32.768KHz crystal oscillator	C001R- 32.768KHz	T.H	Epson	1	
Y2	39MHz crystal oscillator	C3XM5-1S8-39M000	T.H	C3 Electronics	1	
D1	Schottky diode	SD103AWS-7	SOD 323	On Semi.	1	
D2	Schottky power rectifier	MBR0520LT1	SOD 123	On Semi.	1	
Q1, Q2,	Transistor FET, N-Channel	FDV301N	SOT 23	Fairchild	2	
Q3	Transistor FET, P-Channel	FDV302P	SOT 23	Fairchild	1	
L1	22μH Power inductor	DS1608C-223	SMD	Coilcraft	1	
L2	47μH Chip inductor	ELJPA470KF	1210	Panasonic	1	
L4	18nH Chip coil	LQW18AN18NG00D	0603	Murata	1	
L5	6.8nH Chip coil	LQW18AN6N8D00D	0603	Murata	1	
L6	27nH Chip coil	LQW18AN27NG00D	0603	Murata	1	
L7	12nH Chip coil	LQW18AN12NG00D	0603	Murata	1	
C1, C4	1μF 10 volt Capacitor	TAJR105K0100R	CASE R	AVX	2	
C2, C5, C6	10nF Capacitor	GRP155R71E103KA01E	0402	Murata	3	
C3, C7, C14, C36	22nF Capacitor	GRP155R71C223KA01E	0402	Murata	4	
C37, C39	10μF 6.3 volt Capacitor	TAJR106K006	CASE R	AVX	2	
C38, C41	47μF 6.3 volt Capacitor	TPSB476K006R0250	CASE B	AVX	2	
C17, C19, C22, C23, C31	Not connected	TBD	0402		5	
C10, C13	2.2nF Capacitor	GRP155R71H222KA01E	0402	Murata	2	
C11, C27, C30, C33, C34	1nF Capacitor	GRP155R71H102KA01E	0402	Murata	5	
C12	2.7pF Capacitor	GRP1555C1H2R7BZ01E	0402	Murata	1	
C18	2.2pF Capacitor	GRP1555C1H2R2BZ01E	0402	Murata	1	



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C20	15pF Capacitor	GRP1555C1H150FZ01E	0402	Murata	1	
C16	5.6pF Capacitor	GRP1555C1H5R6BZ01E	0402	Murata	1	
C21, C25, C28, C32	47pF Capacitor	GRP1555C1H470FZ01E	0402	Murata	4	
C24	0.5pF Capacitor	GRP1555C1HR50BZ01B	0402	Murata	1	
C35	330pF Capacitor	GRP155R71H331KA01E	0402	Murata	1	
C26, C29	220pF Capacitor	GRP155R71H221KA01E	0402	Murata	2	
C40	22nF Capacitor	GRM39X7R223K25C560	0603	Murata	1	
R1, R7, R9	10K ohm Resistor	0402 10K 5%	0402	Any	3	
R2, R3, R4, R8	33K ohm Resistor	0402 33K 5%	0402	Any	4	
R10, R11	0 ohm Resistor	0402 0R 1%	0402	Any	2	
R12	68 ohm Resistor	0402 68R 1%	0402	Any	1	
R13	47 ohm Resistor	0402 47R 1%	0402	Any	1	
R14	1.8K ohm Resistor	0402 1K8 1%	0402	Any	1	
R5	68K ohm Resistor	0402 68k 5%	0402	Any	1	
R6	27K ohm Resistor	0402 27k 1%	0402	Any	1	
J1	Battery holder	Keystone type 92	T.H	Keystone	2	
J2	PCB connector	22-03-5055	T.H	MOLEX	1	

Legend: LS - Lead Space
T.H. - Through Hole
D - Diameter