





Α	В	B C D		Е			F			G	Н		
Bill Of Materials													
		C4 C5 C7	Designator	C40, C40, C44, C40, C40	(	Comment	Quantity	Manufacturer_Name	Manufacturer_	Part_Number			
		C50, C58, C	C8, C11, C12, C26, C28, C29, C32, C33, 61, C70, C71, C72, C79, C80, C83, C84, C98, C106, C107, C108, C110, C115, (	C85, C88, C89, C90, C91, C116, C117	Multilayer	Ceramic Capacitor	39	AVX	04026D10	)4KAT4A			1
		C23, C24, C C59, C60, C C82, C92, C93	C6, C9, C10, C13, C14, C15, C16, C17, C25, C27, C30, C31, C37, C38, C39, C46, 63, C64, C65, C66, C67, C69, C73, C74, 3, C94, C95, C96, C97, C102, C104, C104, C123, C124, C125, C126, C127, C128, C133, C134, C135, C138, C1	C47, C51, C52, C53, C54, C75, C76, C77, C78, C81, 9, C111, C112, C118, C119, C129, C130, C131, C132,	Multilayer	Ceramic Capacitor	77	Kemet	C0402C330J	9RACAUTO			
			C34, C101, C103	55	Multilayer	Ceramic Capacitor	3	Murata Electronics	GRM153R60	J105ME95D			
			C35, C36, C40, C41			Ceramic Capacitors	4	Kemet	CBR04C13				
			C45, C62, C68 C55, C100, C122			Ceramic Capacitors Ceramic Capacitors	3	Kemet AVX	C0402C475 04026C47				
			C56, C57			Ceramic Capacitor	2	AVX	04026C10				
			C86, C87			n Organic Polymer	2	Panasonic	16SVPC				
						Capacitors	-						
			C99, C113, C114 C105			lum Capacitor lum Capacitor	3	AVX AVX	F380J106l				2
			C136, C137			Ceramic Capacitors	2	Vishay	VJ0402Y332H				-
		D1	, D9, D10, D11, D12, D13, D14, D15, D16	6, D17, D18, D19		Suppressors	12	Bussmann / Eaton	0402ESD				
			D2, D3, D4, D5, D6, D7, D8			D LED (Blue)	7	ROHM Semiconductor	SMLP13E				
			FB1, FB2			errite Bead	2	Murata Electronics	BLM18EG				
						Power Socket Card Connectors	1	Molex Molex	53261- 47219-				
						Holder Tray	1	Molex	47388				
			J4		6P Tu	nic Connector	1	Molex	53261-	-0671			
			J5			Sensor Socket	1	Molex	53261-				
			J6 J7			Tunic Connector ensor Socket	1	Molex Molex	53261- 53261-				
			J8			Battery Socket	1	Molex	53261-				
			J9, J10			Holder and Battery	2	Keystone Electronics	25				
			J11			Holder and Battery	1	Keystone Electronics	1070				3
			L1 L2, L3			ed Inductor	1	Coilcraft Murata Electronics	XFL4015- LQG15HN				
			L2, L3 L4, L5			ed Inductor ed Inductor	2	Taiyo Yuden	CB2518				
			Q1, Q2, Q3, Q4, Q5, Q6, Q7, Q8, Q	Q9, Q10		NPN Transistors	10	Nexperia	BC847				
		R	R6, R18, R19, R31, R40, R45, R46, R47, R63, R65, R71, R72, R83, R85, R86, R87,	R49, R51, R52, R53, R54, R88, R89, R90	Thick	Film Resistor	27	Vishay	CRCW0402	10K0FKED			
			R12, R14, R16, R20, R24, R26, R27, R29 50, R55, R56, R57, R58, R59, R60, R61, R77, R78, R79, R80, R81, R84,	R62, R67, R70, R75, R76,	Thick	Film Resistor	38	Vishay	CRCW0402	47K0FKED			
			R4, R9, R11, R13, R15, R17, R21, R22	2, R38, R82		Film Resistor	10	Vishay	CRCW0402				
			R7, R35, R36	DOA		Film Resistor	3	Vishay	CRCW0402				
			R23, R25, R28, R30, R34, R48, R32	K04		Film Resistor Film Resistor	7	Vishay Vishay	CRCW0402 CRCW0402				
			R66			Film Resistor	1	Vishay	CRCW0402				
			R68		Thick	Film Resistor	1	Vishay	CRCW0402	91K0FKED			4
			R69			Film Resistor	1	Vishay	CRCW0402				,
			R73 R74			Sense Resistor Film Resistor	1	TT Electronics Vishay	OARSXPI CRCW0402				
			RF1			Antenna	1	Visitay	CKCW0402	ZKTUFKED			
			RF2, RF3			nse Socket	2						
			U1			citive Sensor	1	Texas Instruments	FDC2112C				
			U2, U4			wer Switch	2	Texas Instruments Texas Instruments	TPS2291	7DBVR			
			U3, U9 U5			nt Pressure Sensors	2	NXP Semiconductors	MPL311	5A2R1			
			U6			I Time Clock	1	Micro Crystal	RV-302				
			U7			e Level Shifter	1	Texas Instruments	SN74AVCH4				
			U8 U10			tery Charger 2G GSM Module	1	Microchip	MCP73871	-2AAI/ML			
			U11			F2 SIM Chip	1						
			U12, U13			AicroController	2	Microchip Technology /	ATMEGA:	2200 411			5
								Atmel					
			U14			PI Switch IC	1	Texas Instruments	SN3257Q				
			U15 U16			Boost Converter Bus Repeater	1	Texas Instruments Texas Instruments	TPS6380 TCA9517				
			U17			C Switch IC	1	Texas Instruments	TCA9548				
			U18			Gate (NOR)	1	Texas Instruments	SN74HCS70				
			U19			ic Gate (OR)	1	Texas Instruments	SN74HCS				
			U20 U21			Gate (NAND) Itery Gauge	1	Texas Instruments  Maxim Integrated	SN74HCS MAX1705				
			U22			l/O Expander	1	Texas Instruments	PCF8574				
			U23, U24		LDO Vo	oltage Regulator	2	Texas Instruments	TPS7A053	3PDBVR			
		U25		Battery	Battery Management IC 1		Diodes Incorporated	APMM2 7 27					
		X1, X2			7.3728 MHz 2		ABRACUN	ABRACON ABMM2-7.3728MHZ-E2-T					
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