





_	А	В	С	D	E		F		G	Н		
	Bill Of Materials											
1		C1, C5, C7, C	Designator C8, C11, C12, C26, C28, C29, C32, C33, C	C42, C43, C44, C48, C49,	Comment	Quantity	Manufacturer_Name	Manufacturer_Part_Number				
			61, C70, C71, C72, C79, C80, C83, C84, C	C85, C88, C89, C90, C91,	Multilayer Ceramic Capacitor	39	AVX	04026D104KAT4A			1	
	C98, C106, C107, C108, C110, C115, C116, C117  C2, C3, C4, C6, C9, C10, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22  C23, C24, C25, C27, C30, C31, C37, C38, C39, C46, C47, C51, C52, C53, C54  C59, C60, C63, C64, C65, C66, C67, C69, C73, C74, C75, C76, C77, C78, C81  C82, C92, C93, C94, C95, C96, C97, C102, C104, C109, C111, C112, C118, C1  C120, C121, C123, C124, C125, C126, C127, C128, C129, C130, C131, C132  C133, C134, C135, C138, C139		18, C19, C20, C21, C22, 247, C51, C52, C53, C54, 275, C76, C77, C78, C81, C111, C112, C118, C119, 2129, C130, C131, C132,	Multilayer Ceramic Capacitor	77	Kemet	C0402C330J9RACAUTO			'		
	C34, C101, C103				Multilayer Ceramic Capacitor	3	Murata Electronics	GRM153R60J105ME95D				
	C35, C36, C40, C41				Multilayer Ceramic Capacitors	4	Kemet	CBR04C130F5GAC				
			C45, C62, C68 C55, C100, C122 C56, C57 C86, C87 C99, C113, C114		Multilayer Ceramic Capacitors  Multilayer Ceramic Capacitors	3	Kemet AVX	C0402C475M9PACTU 04026C474KAT2A				
					Multilayer Ceramic Capacitor	2	AVX	04026C102MAT2A				
					Aluminium Organic Polymer Capacitors	2	Panasonic	16SVPC39MV				
					Tantalum Capacitor	3	AVX	F380J106MMAAH3				
2	C105				Tantalum Capacitor	1	AVX	F380J476MMAAXEH3	4		2	
		C136, C137 D1, D9, D10, D11, D12, D13, D14, D15, I			Multilayer Ceramic Capacitors ESD Suppressors	12	Vishay Bussmann / Eaton	VJ0402Y332KXQCW1BC 0402ESDA-MLP1				
	D2, D3, D4, D5, D6, D7 FB1, FB2			D17, D10, D19	SMD LED (Blue)	7	ROHM Semiconductor	SMLP13BC8TT86				
					Ferrite Bead	2	Murata Electronics	BLM18EG101TZ1D				
		J1, J8 J2		2P SMD Tunic Connector Memory Card Connectors	1	Molex Molex	53261-0271 47219-2001			/		
			J3		SIM Holder Tray	1	Molex	47388-2001				
			J4, J5, J7		6P Tunic Connector	3	Molex	53261-0671				
					4P SMD Tunic Connector Battery Clip Holder and Battery	2	Molex Keystone Electronics	53261-0471 254				
			J11		Battery Clip Holder and Battery	1	Keystone Electronics	1070TR				
			L1		Fixed Inductor	1	Coilcraft	XFL4015-471MEB				
_			L2, L3 L4, L5		Fixed Inductor Fixed Inductor	2	Murata Electronics Taiyo Yuden	LQG15HN1N0S02D CB2518T102K			_	
3			Q1, Q2, Q3, Q4, Q5, Q6, Q7, Q8, Q9	9, Q10	Bipolar NPN Transistors	10	Nexperia	BC847AQAZ			3	
	Re		R6, R18, R19, R31, R40, R45, R46, R47, F 163, R65, R71, R72, R83, R85, R86, R87, F	R88, R89, R90	Thick Film Resistor	27	Vishay	CRCW040210K0FKED				
			R12, R14, R16, R20, R24, R26, R27, R29, 50, R55, R56, R57, R58, R59, R60, R61, R R77, R78, R79, R80, R81, R84, F	R62, R67, R70, R75, R76,	Thick Film Resistor	38	Vishay	CRCW040247K0FKED				
	R4, R9, R11, R13, R15, R17, R21, R22, R38, R82			Thick Film Resistor	10	Vishay	CRCW0402330RFKED					
			R7, R35, R36	204	Thick Film Resistor	3	Vishay	CRCW0402249KFKED				
		R23, R25, R28, R30, R34, R48, F R32	R64	Thick Film Resistor Thick Film Resistor	1	Vishay Vishav	CRCW04020000Z0ED CRCW04021K00FKED			. /		
			R66		Thick Film Resistor	1	Vishay	CRCW0402100KFKED				
			R68 R69		Thick Film Resistor Thick Film Resistor	1	Vishay Vishay	CRCW040291K0FKED CRCW0402604KFKED				
			R73		Current Sense Resistor	1	TT Electronics	OARSXPR010FLF				
4			R74		Thick Film Resistor	1	Vishay	CRCW04022K70FKED			4	
			RF1, RF2, RF3 U1		Antenna Capacitive Sensor	3	Texas Instruments	FDC2112QDNTRQ1				
			U2, U4		Power Switch	2	Texas Instruments	TPS22917DBVR				
			U3, U9		Nanopower Timer IC	2	Texas Instruments				'	
			U5 U6		Board Mount Pressure Sensors Real Time Clock	1	NXP Semiconductors Micro Crystal	MPL3115A2R1 RV-3028-C7				
					Voltage Level Shifter	1	Texas Instruments	SN74AVCH4T245RGYR				
			U8		Battery Charger	1	Microchip	MCP73871-2AAI/ML				
			U10 U11		GE910 2G GSM Module MFF2 SIM Chip	1						
			U12, U13		8-bit MicroController	2	Microchip Technology /	ATMEGA328P-AU				
			U14		SPI Switch IC	1	Atmel Texas Instruments	SN3257QPWRQ1				
			U15		Buck-Boost Converter	1	Texas Instruments  Texas Instruments	TPS63802DLAT				
5			U16		I2C Bus Repeater	1	Texas Instruments	TCA9517ADGKR			5	
			U17 U18		I2C Switch IC Logic Gate (NOR)	1	Texas Instruments Texas Instruments	TCA9548APWR SN74HCS7002QPWRQ1				
			U19		Logic Gate (OR)	1	Texas Instruments	SN74HCS32PWR				
			U20		Logic Gate (NAND)	1	Texas Instruments	SN74HCS00PWR				
			U21 U22		Battery Gauge I2C I/O Expander	1	Maxim Integrated Texas Instruments	MAX17055ETB+T PCF8574RGYR				
			U23, U24		LDO Voltage Regulator	2	Texas Instruments	TPS7A0533PDBVR				
			U25 X1, X2		Battery Management IC	1	Diodes Incorporated	AP9211S-AE-HAC-7				
			7.3728 MHz	2	ABRACON	ABMM2-7.3728MHZ-E2-T	·L2-1					
										_		
6										6		
L	Α			-	_				0			
	Α	В	C	D	E		F		G	Н		
					1					I		

