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Designator	Value	Comment	Description Ceramic Capacitor	Footprint	LibRef	Quantity	Manufacturer Generic Ceramic
C1	220uF	Сар	(Surface Mount)	1206	Сар	1	Chip Cap (TBD)
C2, C5, C15	4.7uF	Сар	Ceramic Capacitor (Surface Mount)	0402	Сар	3	Generic Ceramic Chip Cap (TBD)
C3, C4, C11, C17, C20	0.1uF	Сар	Ceramic Capacitor (Surface Mount)	0402	Сар	5	Generic Ceramic Chip Cap (TBD)
C6	0.01uF	Сар	Ceramic Capacitor	0402	Сар	1	Generic Ceramic
C7	22uF	Cout1	(Surface Mount) Ceramic Capacitor	0402	Cap	1	Chip Cap (TBD) Generic Ceramic
	2201	Court	(Surface Mount) Ceramic Capacitor	0402	Сар	'	Chip Cap (TBD) Generic Ceramic
C8, R1, R4, R10, R20	DNP	Cout2, R_80%, Rok3,	(Surface Mount),	0402	Cap, Res	5	Chip Cap (TBD),
		Res	Chip Resistor (Surface Mount)				Generic Chip Res (TBD)
C9, C16	100uF	Сар	Ceramic Capacitor (Surface Mount)	0805	Сар	2	Generic Ceramic Chip Cap (TBD)
C10	5.6pF	Сар	Ceramic Capacitor	0402	Сар	1	Generic Ceramic
C12. C19	1uF		(Surface Mount) Ceramic Capacitor	0402		,	Chip Cap (TBD) Generic Ceramic
, ,		Сар	(Surface Mount) Ceramic Capacitor		Сар	2	Chip Cap (TBD) Generic Ceramic
C13, Cp1, Cs1	33pF	Cap	(Surface Mount)	0402	Cap	3	Chip Cap (TBD)
C14	1nF	Сар	Ceramic Capacitor (Surface Mount)	0402	Сар	1	Generic Ceramic Chip Cap (TBD)
C18	3.3nF	Сар	Ceramic Capacitor (Surface Mount)	0402	Сар	1	Generic Ceramic Chip Cap (TBD)
C21, C22, Cp2	10pF	Сар	Ceramic Capacitor	0402	Сар	3	Generic Ceramic
			(Surface Mount) Ceramic Capacitor	0402		1	Chip Cap (TBD) Generic Ceramic
Cs2	1pF	Сар	(Surface Mount) Schottky Diodes &	0402	Сар	'	Chip Cap (TBD)
D1, D4		SMS7630-005LF	Rectifiers Ls=1.5nH	SOT23 - N	SMS7630-005LF	2	
D2		Zener_SOD-523	SOT-23 Series Pair Diode - Zener	Zener_SOD-523	Zener_SOD-523	1	
L1	22uH	Ind_LPS4018	Inductor (Surface Mount)	LPS4018	Ind_LPS4018	1	Coil Craft
L2	10nH	Ind	Inductor (Surface	IND1008	Ind	1	
L3	16nH	Ind	Mount) Inductor (Surface	0603	Ind	1	
LS	IOIII	ind	Mount) Typical RED, GREEN,	0003	ind	'	
LED2		LED	YELLOW, AMBER GaAs LED	Diode - 0603	Diode - LED	1	
P1, P2		Header 8	Header, 8-Pin	HDR1X8	Header 8	2	
P3, P4 R2, R3, R5, R11, R27,	0	Header 3 R_50%, Res,	Header, 3-Pin Chip Resistor	HDR1X3 0402	Header 3 Res	8	Generic Chip Res
R28, R29, R30		R_VBAT_OK, Rok3	(Surface Mount) Chip Resistor			0	(TBD) Generic Chip Res
R6	2.94M	Rok3	(Surface Mount)	0402	Res	1	(TBD)
R7	6.8M	Rov2	Chip Resistor (Surface Mount)	0402	Res	1	Generic Chip Res (TBD)
R8, R12	5.49M	Rok2, Rov1	Chip Resistor (Surface Mount)	0402	Res	2	Generic Chip Res (TBD)
R9	6.81M	Rout2	Chip Resistor (Surface Mount)	0402	Res	1	Generic Chip Res (TBD)
R13	4.53M	Rok1	Chip Resistor	0402	Res	1	Generic Chip Res (TBD)
R14	6.04M	Rout1	(Surface Mount) Chip Resistor	0402	Res	1	Generic Chip Res
			(Surface Mount) Chip Resistor				(TBD) Generic Chip Res
R15	560k	Res	(Surface Mount) Chip Resistor	0402	Res	1	(TBD) Generic Chip Res
R16	22k	Res	(Surface Mount)	0402	Res	1	(TBD)
R17	220k	Res	Chip Resistor (Surface Mount)	0402	Res	1	Generic Chip Res (TBD)
R18, R19, R22	47k	Res	Chip Resistor (Surface Mount)	0402	Res	3	Generic Chip Res (TBD)
R21	33	Res	Chip Resistor	0402	Res	1	Generic Chip Res
R23, R24, R25, R26	1M	Res	(Surface Mount) Chip Resistor	0402	Res	,	(TBD) Generic Chip Res
SBW1	IIVI	MHDR1X4	(Surface Mount) Header, 4-Pin	MHDR1X4	MHDR1X4	1	(TBD)
SMA1		SMA - Hole - 2 Pin	Two pin SMA	SMA - Hole - 2 Pin	SMA - Hole - 2 Pin	1	
U1		BQ25570	Boost Charger	BQ25570	BQ25570	1	Texas
			IC REG LINEAR 1.8V			'	Instruments
U2		TPS7A0220PDBVR	200MA SOT23-5 Comparator General	SOT23-5	TPS7A0218PDBVR	1	
		TLV 7041	Purpose Open Drain SC-70-5	SC70-5	NCS2200	1	ON Semiconductor
U3				MSP_QFN48_RGZ_PA	MSP430FR596X_586X	1	
U3 U4		MSP430 Wolverine 48	16-bit FRAM MCU		RG7		
U4		MSP430 Wolverine 48 Pin SI1016X	NMOS and PMOS	D0	_RGZ SI1016X	1	
		Pin	NMOS and PMOS array		_RGZ SI1016X	1	
U4		Pin	NMOS and PMOS	D0		1	
U4 U5		Pin SI1016X	NMOS and PMOS array Humidity Temperature Sensor 0 ~ 100% RH IÂ <sup>2</sup> C ±2% 8s Surface	DO SC-89-6 Vishay BGA6C100X50P2X3_H	SI1016X	1	