















100uF/20V   Po	ulticell Battery plarized Capacitor urface Mount)  apacitor  apacitor  adial)  blarized Capacitor adial)  adial)  blarized Capacitor adial)  apacitor  adial)  apacitor  apacitor  apacitor  apacitor  apacitor  apacitor  apacitor  apacitor  apacitor  adial)  alarized Capacitor adial)  adial)  hottky Diode	Designator B1 B2 B7 B1 C1 C1 C2, C6, C8, C13, C14, C17, C18, C20, C21, C26, C8, C3, C3, C34, C37, C38, C34, C37, C38, C34, C35, C36, C37, C38, C34, C44, C45, C36, C37, C38, C44, C45, C37, C38, C44, C45, C37, C38, C44, C45, C37, C39, C40, C47 C4, C7, C39, C40, C42 C11 C15, C46 C19 C22, C24 C23, C25 C27 C30, C34 C41	Footprint BEEP600 LM9033 XH414HG CD7343  CC0603  CB3528 CC0603 CA3216  CC6032 CC0603	LibRef BEEP LM9033A Battery Cap Pol3  Cap Cap Cap Pol1 Cap Cap Pol1 Cap Cap Pol1 Cap	Quantity 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
LM9033A  XH414HG  M  M100uF/20V  Si  O.1uF  Ca  22uF/16V  R  10uF/16V  R  10uF/10V  R  R  10uF/10V  R  R  SS24  Sci  SMB118A  Ze  SOOmA  Fu  BOOT  Header 5	ulticell Battery plarized Capacitor urface Mount)  apacitor  apacitor  adial)  blarized Capacitor adial)  adial)  blarized Capacitor adial)  apacitor  adial)  apacitor  apacitor  apacitor  apacitor  apacitor  apacitor  apacitor  apacitor  apacitor  adial)  alarized Capacitor adial)  adial)  hottky Diode	82 871 C1 C1 C1 C2, C6, C8, C13, C14, C17, C18, C20, C21, C26, C28, C29, C31, C32, C33, C33, C34, C44, C45, C46, C47, C38, C44, C45, C46, C7, C39, C40, C42, C9, C10, C12 C11 C15, C46 C19 C22, C24, C23, C25 C27 C30, C34	LM9033 XH414HG CD7343  CC0603  C83528 CC0603 CA3216 CC6032 CC0603 CC0603 CC0603 CC0603	Battery Cap Pol3  Cap Cap Pol1 Cap Cap Pol1 Cap Pol1 Cap Pol1 Cap Cap Cap	1 1 30 4 5 5 3 1 2
XH414HG Mt 100uF/20V SS  0.1uF Ca  22uF/16V Po (Ri 10nF Ca 10uF/16V Ri (Ri 10nF Ca 10nF Ca 10pF Ca 10p	plarized Capacitor urface Mount)  apacitor  plarized Capacitor adial) papacitor  plarized Capacitor adial) plarized Capacitor adial) plarized Capacitor adial) papacitor papacitor papacitor papacitor plarized Capacitor adial) hottky Diode	C1  C2, C6, C8, C13, C14, C17, C18, C20, C21, C26, C28, C29, C31, G22, G33, C35, C36, G23, C35, C36, C48, C49, C50, C51, C52, C53, C54, C55, C56 C3, C5, C16, C47  C4, C7, C39, C40, C42  C9, C10, C12  C11  C15, C46  C19  C22, C24  C23, C25  C27  C30, C34	CD7343  CC0603  CB3528  CC0603  CA3216  CC6032  CC0603  CC0603  CC0603  CC0603	Cap Pol3  Cap Pol1  Cap Pol1  Cap Pol1  Cap Pol1  Cap Pol2  Cap Pol2	30 4 5 3 1
Sample   S	paracitor  plarized Capacitor adial)  papacitor  plarized Capacitor adial)  plarized Capacitor adial)  papacitor  palarized Capacitor  adial)  plarized Capacitor  adial)  hottky Diode	C2, C6, C8, C13, C14, C17, C18, C20, C21, C26, C28, C29, C31, C32, C33, C35, C36, C36, C36, C36, C36, C37, C38, C44, C45, C48, C49, C50, C51, C52, C53, C54, C55, C56, C3, C5, C16, C47, C4, C7, C39, C40, C42, C11, C15, C46, C19, C22, C24, C23, C25, C27, C20, C34	CC0603  CB3528  CC0603  CA3216  CC6032  CC0603  CC0603  CC0603  CC0603	Cap Pol1 Cap Pol1 Cap Pol1 Cap Pol1 Cap Cap Cap Cap	30 4 5 3 1
0.1uF Ca  22uF/16V Po (Rg 10nF Ca 10uF/16V Po 10uF/16V Rg 100uF/6.3V Po 10uF/16V Ca 1.5nF Ca 1uF Ca 1uF Ca 1upF Ca 10pF Ca 27pF Ca 10uF Po 10uF Rg 10uF/10V Rg 4.7nF Ca 100uF Rg 5524 Sci CMDSH-3 Sci SMBJ18A Ze 500mA Fu BOOT He	apacitor  adial) apacitor  adial) apacitor  adialolarized Capacitor  adialolarized Capacitor  adialolarized Capacitor  apacitor  adialolarized Capacitor  adialolorized Capacitor  adialolorized Capacitor  adialolorized Capacitor  adialolorized Capacitor  adialolorized Capacitor  adialolorized Capacitor	C17, C18, C20, C21, C26, C28, C29, C31, C32, C33, C35, C36, C37, C38, C44, C45, C48, C49, C50, C51, C52, C53, C54, C55, C56, C3, C5, C16, C47  C4, C7, C39, C40, C42  C11  C15, C46  C19  C22, C24  C23, C25  C27  C30, C34	CB3528 CC0603 CA3216 CC6032 CC0603 CC0603 CC0603	Cap Pol1 Cap Pol1 Cap Pol1 Cap Pol1 Cap Cap Cap Cap	4 5 3 1 2
Racing   R	adial) spacitor olarized Capacitor adial) adial) adialorized Capacitor adial) apacitor spacitor spacitor spacitor spacitor olarized Capacitor adial) adial) adialorized Capacitor adial) adialorized Capacitor adial) adialorized Capacitor	C3, C5, C16, C47 C4, C7, C39, C40, C42 C9, C10, C12 C11 C15, C46 C19 C22, C24 C23, C25 C27 C30, C34	CC0603 CA3216 CC6032 CC0603 CC0603 CC0603	Cap Cap Pol1 Cap Pol1 Cap Cap Cap Cap	3 1 2
10nF	spacitor olarized Capacitor addial) olarized Capacitor addial) olarized Capacitor olarized capacitor spacitor spacitor spacitor spacitor spacitor olarized Capacitor addial) olarized Capacitor addial) spacitor olarized Capacitor addial) spacitor olarized Capacitor addial) olarized Capacitor addial) olarized Capacitor addial) olarized Capacitor addial) hottky Diode	C4, C7, C39, C40, C42 C9, C10, C12 C11 C15, C46 C19 C22, C24 C23, C25 C27 C30, C34	CC0603 CA3216 CC6032 CC0603 CC0603 CC0603	Cap Cap Pol1 Cap Pol1 Cap Cap Cap Cap	3 1 2
10uF/16V Rg 100uF/6.3V Rg 100uF/6.3V Rg 1.5nF Ca 1uF Ca 10pF Ca 27pF Ca 10uF Po 10uF/10V Rg 4.7nF Ca 10uF Rg 4.7nF Ca 10uF Rg 5524 Sc CMDSH-3 Sc SMBJ18A Ze S00mA Fu BOOT He	plarized Capacitor addial) plarized Capacitor addial) papacitor pacitor pacitor pacitor pacitor plarized Capacitor addial) plarized Capacitor addial) plarized Capacitor addial) plarized Capacitor addial) hottky Diode	C9, C10, C12  C11  C15, C46  C19  C22, C24  C23, C25  C27  C30, C34	CA3216 CC6032 CC0603 CC0603 CC0603 CC0603	Cap Pol1 Cap Pol1 Cap Cap Cap	3 1 2
Rac	adial) Jairzed Capacitor adial) spacitor spacito	C11 C15, C46 C19 C22, C24 C23, C25 C27 C30, C34	CC6032 CC0603 CC0603 CC0603 CC0603	Cap Pol1 Cap Cap Cap	1 2
Racial   R	adial) apacitor apacitor apacitor apacitor apacitor adial) alarized Capacitor adial) apacitor adialor	C15, C46 C19 C22, C24 C23, C25 C27 C30, C34	CC0603 CC0603 CC0603	Cap Cap Cap	2
1.5nF   Ca	apacitor apacitor apacitor apacitor apacitor apacitor apacitor adial) alarized Capacitor adial) apacitor adial) apacitor adial) apacitor adial hottky Diode	C19 C22, C24 C23, C25 C27 C30, C34	CC0603 CC0603	Cap Cap	2
10pF   Ca   Ca   Ca   Ca   Ca   Ca   Ca   C	apacitor  Spacitor  Spacit	C22, C24 C23, C25 C27 C30, C34	CC0603 CC0603	Сар	1
27pF   Ca   10uF   Po   10uF   SS24   Scl CMDSH-3   Scl SMBJ18A   Ze   500mA   Fu   BOOT   Header 5   Hed	pacitor olarized Capacitor adial) lalrized Capacitor adial) spacitor olarized Capacitor adial) chottky Diode	C23, C25 C27 C30, C34	CC0603		
10uF Po Po (RE 10uF/10V Po (RE 10uF/10V) Po (RE 10uF/10V) Po (RE 10uF/10V) Po (RE 10uF/10V) Po Po (RE 10uF/10V) Po	olarized Capacitor adial) olarized Capacitor adial) apacitor olarized Capacitor adial) chottky Diode	C27 C30, C34		Cap	2
RE   RE   RE   RE   RE   RE   RE   RE	adial) plarized Capacitor adial) papacitor plarized Capacitor adial) chottky Diode	C30, C34	CA3216		2
10uF/10V (Re 4.7nF Ca 5.00 Ca 6.00 Ca	olarized Capacitor adial) apacitor olarized Capacitor adial) chottky Diode			Cap Pol1	1
4.7nF Ca 100uF Po (Ra SS24 Sci CMDSH-3 Sci SMBJ1BA Ze 500mA Fu BOOT Header 5 He	apacitor blarized Capacitor adial) :hottky Diode		CA3216	Cap Pol1	2
100uF         Polik           SS24         Sc5           CMDSH-3         Sc1           SMBJ18A         Ze           500mA         Fu           BOOT         He           Header 5         He	olarized Capacitor adial) hottky Diode		CC0603	Сар	1
Reserve   Rese	adial) :hottky Diode				1
CMDSH-3         Scl           SMBJ18A         Ze           500mA         Fu           BOOT         He           Header 5         He		C43	CC6032	Cap Pol1	1
SMBJ18A         Ze           500mA         Fu           BOOT         He           rov         Header 5		D1, D5, D6, D8	SSMB	D Schottky	4
500mA Fu BOOT Header 5 He		D2, D4, D7	SOD323	D Schottky	3
BOOT Header 5 He	ener Diode	D3 F1	SMB CC1812	D Zener Fuse 1	1
Header 5 He	eader, 3-Pin, Dual				
	w. Riaht Anale	J1	IDC6-2.0MM	Header 3X2H	1
	eader, 5-Pin	J2	MOLEX532610571	Header 5	1
Header 5X2	eader, 5-Pin, Dual w	J3	IDC10-2.54MM	Header 5X2	1
	eader, 5-Pin, Right	J4	SIP5-2.54MM	Header 5H	1
An	nale eader, 24-Pin	J5	IDC24-2.0MM-INSERT	Header 24	1
Header 5Y2 He	eader, 5-Pin, Dual	J6	IDC10-2.0MM	Header 5X2	1
101	W				1
F4 F3		K1 K2	SPST SPST	KEY_1	1
F2		K2 K3	SPST	KEY_1 KEY 1	1
F1		K4	SPST	KEY_1	1
	ductor	L1, L2	SLF6025	Inductor	2
Power		P1	AD-03PMMP-SC7001	AD-03PMMP-SC7001	1
HALL		P2	AU-05PMMP-SC7001	AU-05PMMP-SC7001	1
Gauge		P3	AD-03PMMP-SC7001	AD-03PMMP-SC7001	1
Sleeper		P4	AU-05PMMP-SC7001	AU-05PMMP-SC7001	1
POS		P5	AU-05PMMP-SC7001	AU-05PMMP-SC7001	1
UA-20PMFP-LC7001		P6	LTWUA-20PMFP	UA-20PMFP-LC7001	1
MMBT3904		Q1, Q2, Q4	SOT-23W	NPN	3
MMBT3906 1K Re	esistor	Q3 R1 R3 R12 R26	SOT-23W CC0603	PNP Res2	4
_	esistor esistor	R1, R3, R12, R26 R2	CC1206	Res2	1
		R4, R5, R6	CC1206	Res2	3
		R7, R34	CC0603	Res2	2
	esistor	R8, R33, R35	CC0603	Res2	3
i i	esistor	R9, R19, R20, R21, R22,	CC0603	Res2	6
		R36			2
DIU Re		R11, R23 R13, R14, R15, R16,	CC0603	Res2	2
12K Re	esistor	R17, R24, R25, R27, R28, R29, R30	CC0603	Res2	11
	esistor	R18	CC0603	Res2	1
470 Re	esistor	R31, R32	CC0805	Res2	2
		R37, R38	CC0603	Res2	2
	vitch	S1	SPST	SW-PB	1
LT1763-3.3		U1	SO-8	LT1763-5	1
LT1767 STM32E407VE 100		U2, U10	MS8 TOEP100	LT1767 STM32F407VE 100	2
STM32F407VE_100 FM25VN10 M2	25P16	U3 U4	TQFP100 SO-8	M25P16	1
STM1001TWX6F	231 10	U5	SOT-23W	STM1001	1
LC4064V		U6	QFP44	LC4064V	1
PC410		U7, U8	PC410	PC410	2
MAX3223EEAP		U9	TSSOP20	MAX3223EEAP	1
8M Cry	ystal Oscillator	Y1	XCYAI	XTAL	1
MC-146		Y2	MC-146	MC-146	1
2MHz		Y3	PCRYSTAL	PCRYSTAL	1