Title	FlexiBMS					
Revision	0.2					
Date	2018-05-06					
Generated	29.5.2018 21:36:46					
Company	SiMoS MCmuffin / Simo Sihvonen					
Comment 1						
Comment 2						
Comment 3						
Comment 4						
Total Parts	204					
Total Unique Parts	56					
	-					
Ref	Value	Qty Footprint	Datasheet B25/8	5 MFG	Power T	TempCo. Tol.
C1 C3 C5 C6 C7 C9 C11 C12 C27 C31 C37 C38 C39 C42 C44 C45 C46 C47	2碌2,16V	18 Capacitors_SMD:C_0603		ANY		K5R
C2 C4 C63 C64 C65	10碌,63V	5 Capacitors_SMD:C_1210		ANY		K7R
C8 C10 C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23 C24 C25 C28 C30 C32 C33 C34 C43	100n,100V	21 Capacitors_SMD:C_0603		ANY		(7R
C26	1碌,63V	1 Capacitors_SMD:C_1210		ANY		
C29	47碌,6V3	1 Capacitors_SMD:C_1206		ANY	Y	K5R
C35	6n8,50V	1 Capacitors_SMD:C_1206 1 Capacitors_SMD:C_0603		ANY		KOR K7R
C36	10碌,16V	1 Capacitors_SMD:C_0603		ANY		(7R
C40	100碌,16V	1 Capacitors_SMD:C_1206 1 Capacitors_SMD:CP_Elec_6.3x7.7		EEE-FPV101XAP	^	
C40	100餘,35V 100餘,63V			EEE-FK1J101P		
D1	100餘,63V 12V	1 Capacitors_SMD:CP_Elec_10x10 1 Diodes SMD:D SOD-323		MM3Z12VT1G		
D1 D2 D3 D7 D9 D11 D13 D15 D17 D19 D21 D23 D25 D27 D29 D34						
	LED	15 LEDs:LED_0603		150060RS75000		
D4 D35	CUS520	2 Diodes_SMD:D_SOD-323		CUS520 H3F		
D5	62V	1 Diodes_SMD:D_SOD-123		CMHZ5265B TR		
D6 D8 D10 D12 D14 D16 D18 D20 D22 D24 D26 D28	7V5	12 Diodes_SMD:D_SOD-323		MM3Z7V5T1G		
D30	53Vwm	1 Diodes_SMD:D_SMA		P4SMA62A-E3/61		
D31	5,0Vwm	1 Diodes_SMD:D_SOD-123F		SMF5.0		
D32 D33	FSV1060V	2 TO_SOT_Packages_SMD:TO-277A		FSV1060V		
J1	Conn_02x08_Odd_Even	1 Pin_Headers:Pin_Header_Straight_2x08_Pitch2.54mm		PREC008DAAN-RC/"PPTC082LFBN-RC"/"SFH210-PPPC-D08-ID-BK		
J2	USB_OTG	1 Connectors_USB:USB_Micro-B_Molex_47346-0001		10118192-0001LF OR "1051330011"		
J3	Conn_02x02	1 Socket_Strips:Socket_Strip_Straight_2x02_Pitch2.54mm_SMD		M20-8750242		
J4 J5	JST_SMD_PH-04	2 Connectors_JST:JST_PH_B4B-PH-SM4-TB_04x2.00mm_Straig	ıht	B4B-PH-SM4-TB(LF)(SN)		
J6	JST_XH-13	1 Connectors_JST:JST_XH_S13B-XH-A_13x2.50mm_Angled		S13B-XH-A(LF)(SN)/"B13B-XH-A(LF)(SN)"		
J7 J8	GS3	2 Connectors:GS3		SolderBridge		
L1 L2 L4	BLM31PG330SN1L	3 Inductors_SMD:L_1206		BLM31PG330SN1L		
L3	22碌	1 Inductors_SMD:L_1210		CBC3225T220MR		
L5	22碌,6.3A	1 Custom_footprints:HC9		HC9-220-R		
LS1	Speaker	1 Custom_footprints:CSS-0575		CSS-0575A-SMT-TR		
Q1	DMP6023LE-13	1 TO_SOT_Packages_SMD:SOT-223-3_TabPin2		DMP6023LE-13		
Q2	DMN55D0UT-7	1 smd-semi:SOT-523		DMN55D0UT-7		
Q3 Q4	PMV50XPR	2 TO_SOT_Packages_SMD:SOT-23		PMV50XPR		
Q5 Q6 Q7 Q8 Q9 Q10 Q11 Q12 Q13 Q14 Q15 Q16	BSS84PW	12 TO_SOT_Packages_SMD:SOT-323_SC-70		BSS84PWH6327XTSA1		
017	BSZ100N06NSATMA1	1 Custom_footprints:PG-TDSON-8		BSZ100N06NSATMA1		
R1 R72 R74	36k	3 Resistors_SMD:R_0603		ANY		1%
R2 R3 R71	510k	3 Resistors_SMD:R_0603		ANY		1%
R4 R6 R21 R23 R25	1M	5 Resistors_SMD:R_0603		ANY		1%
R5 R7	51k	2 Resistors_SMD:R_0603		ANY		1%
R8 R17	220k	2 Resistors_SMD:R_0603		ANY		1%
R9 R10 R15 R16 R18 R67	10k	6 Resistors_SMD:R_0603		ANY		1%
R11 R12 R19 R24 R68	4k7	5 Resistors_SMD:R_0603		ANY		1%
R13 R14 R20 R22 R26 R73 R76 R77	120R	8 Resistors SMD:R 0603		ANY		1%
R27 R28 R30 R31 R33 R34 R36 R37 R39 R40 R42 R43 R45 R46 R48 R49 R51 R52 R54 R55 R57 R58 R60 R61 R63		25 Resistors_SMD:R_0402		ANY		1%
R29 R32 R35 R38 R41 R44 R47 R50 R53 R56 R59 R62	51R	12 Resistors_SMD:R_0805		ANY	0.5W	5%
R64 R65	10R	2 Resistors_SMD:R_0805 2 Resistors_SMD:R_0603		ANY	0.544	1%
R66	10m	1 Resistors_SMD:R_1206		ANY	0.75W	1%
R69	15m	1 Resistors_SMD:R_1206 1 Resistors_SMD:R_1206		ANY	0.75W	1%
R70		1 Resistors_SMD:R_1206 1 Resistors SMD:R 0603			0.7300	1%
R70 SW1 SW2	18k			ANY PTS810 SJK 250 SMTR LFS		1%
	SW_Push	2 Buttons_Switches_SMD:SW_SPST_PTS810	40			
TH2	10k	1 Resistors_SMD:R_0603	4300K	NCP18XH103J03RB		5%
U1 U9	AP2210N-3.3	2 TO_SOT_Packages_SMD:SOT-23		AP2210N-3.3TRG1		
U2	STM32L433CCT6	1 Housings_QFP:LQFP-48_7x7mm_Pitch0.5mm		STM32L433CCT6		
U3	LTC6803-3	1 Custom_footprints:FSOP-44_5.3x13.0mm_Pitch0.5mm		LTC6803IG-3#PBF		
U4	MAX17502F	1 Housings_DFN_QFN:DFN-10-1EP_2x3mm_Pitch0.5mm		MAX17502FATB+T		
U5	ISL28022	1 Housings_SSOP:MSOP-10_3x3mm_Pitch0.5mm		ISL28022FUZ-T7A		

U6	LTC3873	1 TO_SOT_Packages_SMD:TSOT-23-8	LTC3873ETS8#TRMPBF	
U7	MAX5215	1 Housings_SSOP:MSOP-8_3x3mm_Pitch0.65mm	MAX5215GUA+	
U8	TCAN330	1 TO_SOT_Packages_SMD:SOT-23-8	TCAN330DCNR	
BOM made with KICAD_BOM_WIZARD (https://github.com/HashDefineElectronics/KiCad_BOM_Wizard.git)				
Generated 29.5.2018 21:36:46				