









Bill of Materials

Bill of Materials For Project [BMS_Carrier_Board.PrjPcb] (No PCB Document Selected)

Source Data Fr Project:	om:	BMS_Carrier_Board.PrjPcb BMS_Carrier_Board.PrjPcb						
/ariant:		None						
		·						
Creation Date:	7/18/2017	9:54:09 PM						
Print Date:	18-Jul-17	9:54:13 PM						

Production Quantity: 1

CAP, 0603	CAP CER 0.1UF 50V 10%	LibRef CAP CER	Designator	Description	Quantity	#Column Nam	#Column Name Error:Su	#Column Name Error:	#Column Name Error:	#Column Name Error:	#Column Name Error:N	#Column Name Error:Manufactur
AP, 0603		CAP CER										
AP, 0603	10. IUF 30V 10%	0.1UF 50V 10%	C1, C5, C7	0.10µF ±10% 50V Ceramic Capacitor X7R 0603 (1608 Metric)		3						
AP, 0603	X7R 0603	X7R 0603		(1000 Wellic)]			
·	CAP CER 20PF	CAP CER 20PF	C2	20pF ±5% 50V Ceramic Capacitor C0G,		1						
	50V ±5%	50V ±5%		NP0 0603 (1608 Metric)								
		C0G/NP0 0603										
CAP, 0603	CAP CER	CAP CER	C3	2.2µF ±10% 25V Ceramic Capacitor X5R		1						
	2.2UF 25V 10%			0603 (1608 Metric)								
AP. 0603	X5R 0603 CAP CER 1UF	X5R 0603 CAP CER 1UF	C4	1µF ±10% 50V Ceramic Capacitor X7R		4						
		50V 10% X7R	C4	0603 (1608 Metric)		•						
	0603	0603		1000 (1000 Wellic)								
AP, 0603		CAP CER 10nF	C6, C8	10000pF ±5% 50V Ceramic Capacitor U2J		2						
		50V 5% X7R		0603 (1608 Metric)								
	0603	0603										
O-214AA Diode	DIODE	DIODE	D1	Diode Schottky 40V 3A Surface Mount DO-		1						
	SCHOTTKY 40V			214AA (SMB)								
		3A DO-214AA										
O-214AA Diode	(SMB) DIODE ZENER	(SMB) DIODE ZENER	D2	Zener Diode 16V 5W ±5% Surface Mount		4						
J-2 I4AA DIOUE	16V 5W DO-	16V 5W DO-	D2	DO-214AA (SMB)		•						
	214AA (SMB)	214AA (SMB)		DO-214AA (SWB)								
ED_0603	LED GREEN	LED GREEN	LED1	Green 572nm LED Indication - Discrete 2V		1						
	CLEAR 2V 0603		1	0603 (1608 Metric)							1	
				1					1		1	
ED_0603		LED YELLOW	LED2, LED3	Yellow 590nm LED Indication - Discrete 2V		2						
		CLEAR 2.1V		0603 (1608 Metric)								
	0603	0603							1		1	
ONN, Bergstak	CONN 50POS	CONN 50POS	P1	50 Position Connector Plug, Outer Shroud		1						
0 Pos Plug	Bergstak Plug	Bergstak Plug		Contacts Surface Mount Gold								
ONN. 2POS	0.02" Dura-Clik	0.02" CONN 2POS	P2	2 Positions Header, Shrouded Connector		1						
Onn, 2POS Oura-Click Vertical	Duid*Olik	DURA-CLIK	ľ [*]	0.079" (2.00mm) Surface Mount, Vertical		•						
ula-Olick veitical		0.079" VERT		Tin								
ONN. 4POS	Dura-Clik	CONN 4POS	P3	4 Positions Header Connector 0.079"		1						
URA-CLIK VERT		DURA-CLIK		(2.00mm) Surface Mount Tin								
		0.079"										
	CONN 2POS	CONN 2POS	P4	2 Positions Header, Shrouded Connector		1					1	
JLTRA-FIT	ULTRA-FIT	ULTRA-FIT		0.138" (3.50mm) Through Hole Gold					1		1	
	0.138"	0.138"										
		CONN 2POS	P5, P6	2 Positions Header, Shrouded Connector		2						
JLTRA-FIT -		ULTRA-FIT		0.138" (3.50mm) Through Hole								
IATURAL COLOR	NATURAL COLOR 0.138"	NATURAL COLOR 0.138"										
MOSFET N-CH			Q1, Q2			2						
	30V 8.7A 2.1W		Q1, Q2			2						
		6-PQFN (2x2)										
	RES 120 OHM		R1	RES SMD 120 OHM 1% 1/10W 0603		1						
.,	1% 1/10W 0603											
RES, 0603	RES 1.4k OHM	RES 1.4k OHM	R2	RES SMD 1.4K OHM 1% 1/10W 0603		1						
	1% 1/10W 0603											
ES, 0603	RES 604 OHM		R3	RES SMD 604 OHM 1% 1/10W 0603		1						
FO 0005	1% 1/10W 0603		24.07	DEG 04D 0 0 0 04 00 00 00 00 00 00 00 00 00 00								
ES, 0603		RES 0.0 OHM	R4, R7	RES SMD 0.0 OHM JUMPER 1/4W 0603		2						
ES, 0603		1/4W 0603 PES 4.7K OHM	R5, R8, R10, R11, R12	4.7k Ohm ±1% 0.1W, 1/10W Chip Resistor		5						
25, 0003	1% 1/10W 0603		NO, NO, KIU, KII, KIZ	0603 (1608 Metric) Moisture Resistant		9						
				Thick Film					1		1	
ES, 0603	RES 6.8k OHM	RES 6.8k OHM	R6, R9	RES SMD 6.8K OHM 1% 1/10W 0603		2			1		1	
	1% 1/10W 0603		1									
ES, 0603	RES 10K OHM	RES 10K OHM	R13, R14	RES SMD 10K OHM 1% 1/10W 0603		2						
	1% 1/10W 0603]								
est Point	Test Point	Test Point	TP1, TP2, TP3, TP4, TP5, TP6,			9						
	l	l	TP7, TP8, TP9	.					1		1	
		IC ISOSPI	U1	IC COMM INTERFACE ISOSPI 16-QFN		1					1	
OSPI 16-QFN	COMM	COMM INTERFACE	1								1	
OSPI ID-UFN	LTC6820IUD	LTC6820IUD							1		1	
OT95P280X145-	IC REG LDO 5V		U2	Linear Voltage Regulator IC Positive Fixed		1			1		1	
		0.1A SOT23-5	[==	Output 5V 100mA SOT-23-5								
									1		1	
OP AMP GP	IC OP AMP	IC OP AMP	U3, U4	General Purpose Amplifier 1 Circuit Rail-to-		2			1		1	
R 10MHZ SOT-	GEN PURPOSE	GEN PURPOSE		Rail SOT-23-5								
3-5	RR 10MHZ SOT-		1						1		1	
	23-5	23-5	1								1	
, PULSE XFMR	IC PULSE	IC PULSE	XFMR1	PULSE XFMR 1CT:1CT 350UH SMD		1					1	
CT:1CT 350UH	XFMR 1CT:1CT	XFMR 1CT:1CT										
MD	350UH SMD	350UH SMD				10				e		
proved		Notes			4	<u>~</u>				\$ -	I	
				T.								