









Bill of Materials

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

Source Data Fr	om:	BMS_Carrier_Board.PrjPcb						
Project:		BMS_Carrier_Board.PrjPcb						
Variant:		None						
Creation Date:	7/18/2017	6:02:42 PM						
Print Date:	18-Jul-17	6:02:47 PM						

Production Quantity: 1

Currency	<none></none>		_									
Footprint	Comment	LibRef	Designator	Description	Quantity	#Column Nam	#Column Name Error:Su	#Column Name Error	**#Column Name Fron	#Column Name Error	#Column Name Error:	M#Column Name Error:Manufactur
CAP, 0603	CAP CER	CAP CER	C1, C5	0.10µF ±10% 50V Ceramic Capacitor X7R	quantity	2	Woodamii Ramo El Torio	W GOLDHINI HALING ELTO	A COLUMN TAME LI OF	W GOIGHINI NG HI C	Woodamii Ramo Error	W Goldmin Name E Torimandidotal
DAI , 0003	0.1UF 50V 10%	0.1UF 50V 10%		0603 (1608 Metric)		-						
CAP, 0603	X7R 0603 CAP CER 20PF	X7R 0603 CAP CER 20PF	C3	20pF ±5% 50V Ceramic Capacitor C0G,		1						
JAF, 0003	50V ±5%	50V ±5%	62	NP0 0603 (1608 Metric)		'						
		C0G/NP0 0603		(1000 (1000)								
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	4 5 400 50V 0 · 0 · 1 100								
AP, 0603	50V 10% X7R	50V 10% X7R	C4	1μF ±10% 50V Ceramic Capacitor X7R 0603 (1608 Metric)		•						
	0603	0603		0003 (1000 Metric)								
CAP, 0603		CAP CER 10nF	C6	10000pF ±5% 50V Ceramic Capacitor U2J		1						
		50V 5% X7R		0603 (1608 Metric)								
	0603	0603										
O-214AA Diode	DIODE SCHOTTKY 40V	DIODE	D1	Diode Schottky 40V 3A Surface Mount DO 214AA (SMB)		1						
		3A DO-214AA		ZIAAA (SWB)								
	(SMB)	(SMB)										
OO-214AA Diode	DIODE ZENER	DIODE ZENER	D2	Zener Diode 16V 5W ±5% Surface Mount		1						
	16V 5W DO-	16V 5W DO-		DO-214AA (SMB)								
ED 0000	214AA (SMB)	214AA (SMB)	LEDA									
ED_0603	LED GREEN CLEAR 2V 0603	LED GREEN	LED1	Green 572nm LED Indication - Discrete 2V 0603 (1608 Metric)		1	1	1			I	
	OLLAN 2V 0003	SEEAN 27 0003	1	1000 Metho)]	1			I	
_ED_0603	LED YELLOW	LED YELLOW	LED2, LED3	Yellow 590nm LED Indication - Discrete 2V		2	1					
	CLEAR 2.1V	CLEAR 2.1V		0603 (1608 Metric)			1					
	0603	0603	24	lan 11 a . a . a . a			1					
CONN, Bergstak i0 Pos Plug	CONN 50POS Bergstak Plug	CONN 50POS Bergstak Plug	P1	50 Position Connector Plug, Outer Shroud Contacts Surface Mount Gold		1	1					
us i iug	0.02"	0.02"		Sanacia Sunace Mount Gold]	1			I	
CONN, 2POS	Dura-Clik	CONN 2POS	P2	2 Positions Header, Shrouded Connector		1	1					
Oura-Click Vertical		DURA-CLIK		0.079" (2.00mm) Surface Mount, Vertical]	1			I	
		0.079" VERT		Tin								
CONN, 4POS	Dura-Clik	CONN 4POS	P3	4 Positions Header Connector 0.079"		1						
OURA-CLIK VERT		DURA-CLIK 0.079"		(2.00mm) Surface Mount Tin]	1			I	
CONN, 2POS	CONN 2POS	CONN 2POS	P4	2 Positions Header, Shrouded Connector		1]	1			I	
JLTRA-FIT	ULTRA-FIT	ULTRA-FIT		0.138" (3.50mm) Through Hole Gold			1					
	0.138"	0.138"		_								
CONN, 2POS	CONN 2POS	CONN 2POS	P5, P6	2 Positions Header, Shrouded Connector		2						
JLTRA-FIT - NATURAL COLOR	ULTRA-FIT NATURAL	ULTRA-FIT NATURAL		0.138" (3.50mm) Through Hole								
NATURAL COLOR	COLOR 0.138"	COLOR 0.138"										
MOSFET N-CH		MOSFET N-CH	Q1, Q2	1		2						
0V 12A	30V 8.7A 2.1W	30V 8.7A 2.1W	· ·									
		6-PQFN (2x2)										
RES, 0603	RES 120 OHM	RES 120 OHM 1% 1/10W 0603	R1	RES SMD 120 OHM 1% 1/10W 0603		1						
RES, 0603	RES 1.4k OHM			RES SMD 1.4K OHM 1% 1/10W 0603		1						
(LO, 0003		1% 1/10W 0603		1.4K OTIM 176 1/10W 0003		•						
RES, 0603	RES 604 OHM			RES SMD 604 OHM 1% 1/10W 0603		1						
		1% 1/10W 0603		<u>.</u>								
ES, 0603		RES 0.0 OHM	R4	RES SMD 0.0 OHM JUMPER 1/4W 0603		1	1					
RES, 0603	1/4W 0603 RES 4.7K OHM	1/4W 0603 RES 4.7K OHM	R5, R7, R8, R9	4.7k Ohm ±1% 0.1W, 1/10W Chip Resistor		4	1					
5, 5555	1% 1/10W 0603	1% 1/10W 0603	,,,	0603 (1608 Metric) Moisture Resistant			1	1			I	
				Thick Film]	1			I	
ES, 0603		RES 6.8k OHM		RES SMD 6.8K OHM 1% 1/10W 0603		1]	1			I	
EC 0000	1% 1/10W 0603 RES 10K OHM	1% 1/10W 0603	D40 D44	DEC CMD 40K OUR 40K 4/40W 2000		0	1					
ES, 0603		1% 1/10W 0603		RES SMD 10K OHM 1% 1/10W 0603		2	1					
est Point	Test Point	Test Point	TP1, TP2, TP3, TP4, TP5, TP6,	1		9	1					
			TP7, TP8, TP9	_]	1			I	
COMM		IC ISOSPI	U1	IC COMM INTERFACE ISOSPI 16-QFN		1]	1			I	
NTERFACE	COMM	COMM		1]	1			I	
OSPI 16-QFN	INTERFACE LTC6820IUD	INTERFACE LTC6820IUD					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			I	
] ']	1			I	
OP AMP GP	IC OP AMP	IC OP AMP	U3	General Purpose Amplifier 1 Circuit Rail-to-		1	1					
R 10MHZ SOT- 3-5	RR 10MHZ SOT-	GEN PURPOSE		Rail SOT-23-5			1					
	23-5	23-5		1]	1			I	
		1		1]	1			I	
C, PULSE XFMR	IC PULSE	IC PULSE	XFMR1	PULSE XFMR 1CT:1CT 350UH SMD		1	1					
CT:1CT 350UH	XFMR 1CT:1CT	XFMR 1CT:1CT		1]	1			I	
SMD	350UH SMD	350UH SMD	I	1		43	1	l .	1	s -	-	I.
pproved		Notes									1	