



Component list

BMS Current Sense Block Diagram

Source Data From:

Project:

Variant:

BMS_Current_Sense.PrjPcb

BMS_Current_Sense.PrjPcb

None



Report Date: 10/30/2017 1:29:04 AM
Print Date: 30-Oct-17 1:29:09 AM

#	LibRef	#Column Name Error:Manufacturer	mn Name Error:Manufacturer	olum n Name Error:PartTy	Description	Footprint	#Column Name Error:Package Reference	Quantity
1	CAPCER 4.7UF 50V 10% X5R 0805				4.7µF ±20% 50V Ceramic Capacitor X5R 0805 (2012 Metric)	CAP, 0805		1
2	CAPCER 2.2UF 25V 10% X5R 0603				2.2µF ±10% 25V Ceramic Capacitor X5R 0603 (1608 Metric)	CAP, 0603		2
3	CAPCER 1UF 50V 10% X7R 0603				1µF ±10% 50V Ceramic Capacitor X7R 0603 (1608 Metric)	CAP, 0603		1
4	CAPCER 0.1UF 50V 10% X7R 0603				0.10µF ±10% 50V Ceramic Capacitor X7R 0603 (1608 Metric)	CAP, 0603		5
5	CAPCER 0.022UF 50V 10% X7R 0603				0.022µF ±10% 50V Ceramic Capacitor X7R 0603 (1608 Metric)	CAP, 0603		1
6	CAPTANT 1UF 25V 10% 0805				1µF Molded Tantalum Capacitors 25V 0805 (2012 Metric) 8 Ohm	CAP, TANTALUM 0805		1
7	CAPCER 10nF 50V 5% X7R 0603				10000pF ±5% 50V Ceramic Capacitor U2J 0603 (1608 Metric)	CAP, 0603		1
8	CAPCER 10uF 25V 10% X5R 0805				10µF ±10% 25V Ceramic Capacitor X5R 0805 (2012 Metric)	CAP, 0805		1
9	CAPCER 20PF 50V ±5% C0G/NP0 0603				20pF ±5% 50V Ceramic Capacitor C0G, NP0 0603 (1608 Metric)	CAP, 0603		1
10	IND 6.8uH 260mA 20% 1210				6.8µH Shielded Wirewound Inductor 260mA 204 mOhm Max 1210 (3225 Metric)	NLFV32T-6R8M-EF/IND 6.8uH		1
11	LED YELLOW CLEAR 2.1V 0603				Yellow 590nm LED Indication - Discrete 2V 0603 (1608 Metric)	LED_0603		1
12	LED GREEN CLEAR 2V 0603				Green 572nm LED Indication - Discrete 2V 0603 (1608 Metric)	LED_0603		1
13	RES SHUNT 100UOHM 5% 36W 60MM				100 µOhms ±5% 36W Shunt, Battery Specialized Resistor Metal Element ±175ppm°C Shunt Fixture, 60mm Pitch	RES SHUNT 100UOHM 60MM		1
14	RES 0.0 OHM 1/4W 0603				RES SMD 0.0 OHM JUMPER 1/4W 0603	RES, 0603		1
15	RES 4.7K OHM 1% 1/10W 0603				4.7k Ohm ±1% 0.1W, 1/10W Chip Resistor 0603 (1608 Metric) Moisture Resistant Thick Film	RES, 0603		1
16	RES 2K OHM 1% 1/10W 0603				2k Ohm ±1% 0.1W, 1/10W Chip Resistor 0603 (1608 Metric) Moisture Resistant Thick Film	RES, 0603		2
17	RES 120 OHM 1% 1/10W 0603				RES SMD 120 OHM 1% 1/10W 0603	RES, 0603		1
18	RES 1.4k OHM 1% 1/10W 0603				RES SMD 1.4K OHM 1% 1/10W 0603	RES, 0603		1
19	RES 604 OHM 1% 1/10W 0603				RES SMD 604 OHM 1% 1/10W 0603	RES, 0603		1
20	Test Point					Test Point		11
21	IC DCDC ISOLATED 12V 1W 8-SMD 5-LEAD				Isolated Module DC DC Converter 1 Output 12V 84mA 10.8V - 13.2V Input	IC, Isolated DCDC		1
22	IC REG LDO 5V 0.1A SOT23-5				Linear Voltage Regulator IC Positive Fixed Output 5V 100mA SOT-23-5	SOT95P280X145-5N		1
23	IC VREF SERIES 4.096V 5MA SOT23-5				Series Voltage Reference IC ±0.2% 5mA SOT-23-5	IC OP AMP GP RRR 10MHZ SOT-23-5		1
24	IC ADC 24BIT 10-DFN				24 Bit Analog to Digital Converter 1 Input 1 Sigma-Delta 10-DFN (3x3)	IC ADC LTC2484 10-DFN		1
25	IC CURRENT AMPLIFIER INA240 8-TSSOP				Current Sense Amplifier 1 Circuit 8-TSSOP	IC CURRENT AMPLIFIER INA240 TSSOP-8		1
26	IC OP AMP GEN PURPOSE RRR 10MHZ SOT-23-5				General Purpose Amplifier 1 Circuit Rail-to-Rail SOT-23-5	IC OP AMP GP RRR 10MHZ SOT-23-5		1
27	IC ISOSPI COMM INTERFACE LTC6820IUD				IC COMM INTERFACE ISOSPI 16-QFN	IC COMM INTERFACE ISOSPI 16-QFN		1
28	IC PULSE XFMR 1CT:1CT 350UH SMD				PULSE XFMR 1CT:1CT 350UH SMD	IC, PULSE XFMR 1CT:1CT 350UH SMD		1

Approved

Notes

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