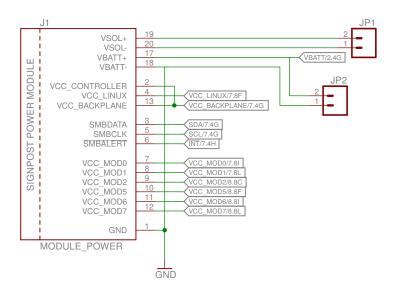
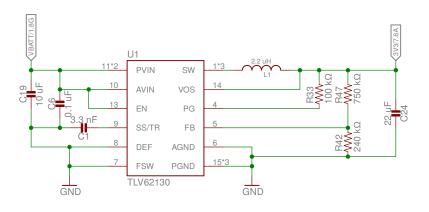
#### Power Module Header

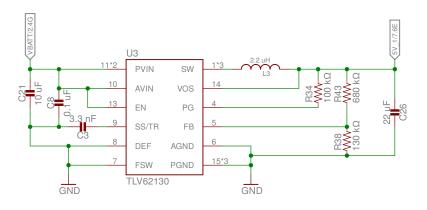


Power Supply Module	REV:	
Author: N. Jackson		
Date: 9/19/16 10:38 PM S	Sheet: 1/9	



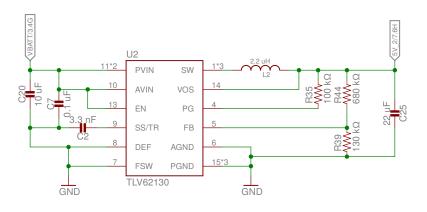
Power Supply Module		REV: A
Author: N. Jackson		
Date: 9/19/16 10:38 PM Sheet		2/9

2

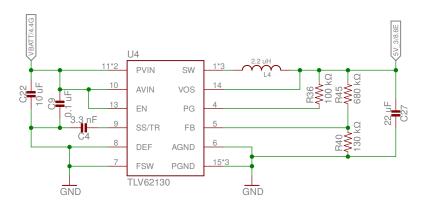


Power Supply Module	ţ	REV: A	
Author: N. Jackson			
Date: 9/19/16 10:38 PM	Sheet: 3/	/9	

3\_\_

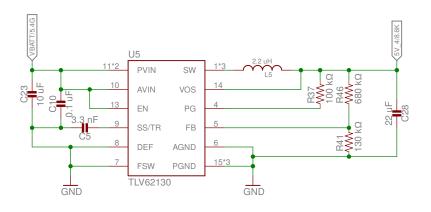


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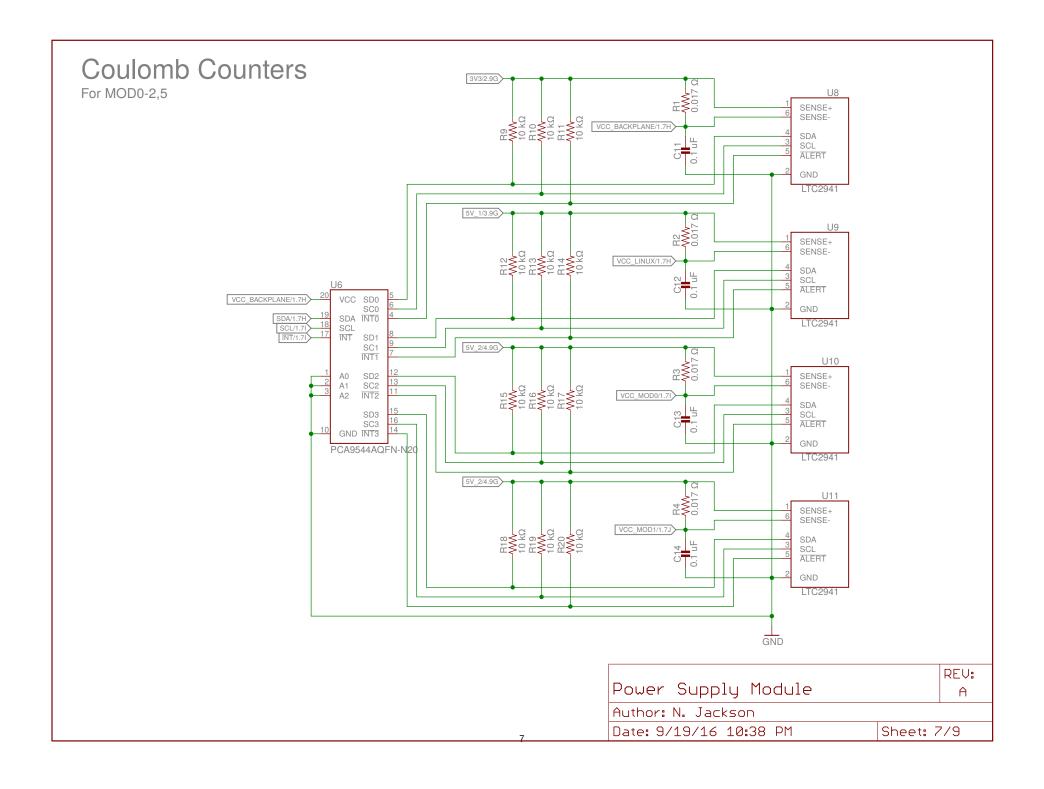
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Author: N. Jackson			
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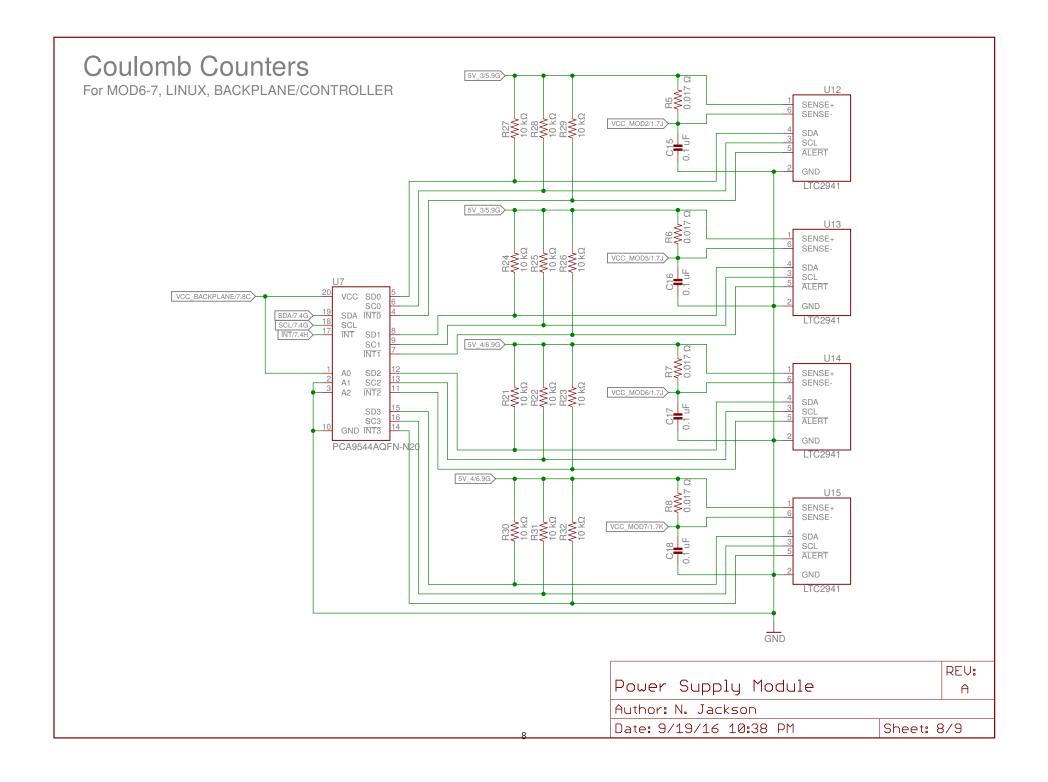
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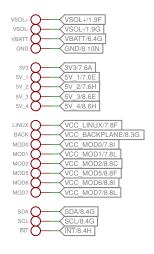
Power Supply Module	RI	EV: A
Author: N. Jackson		
Date: 9/19/16 10:38 PM	Sheet: 6/9	 Э

6



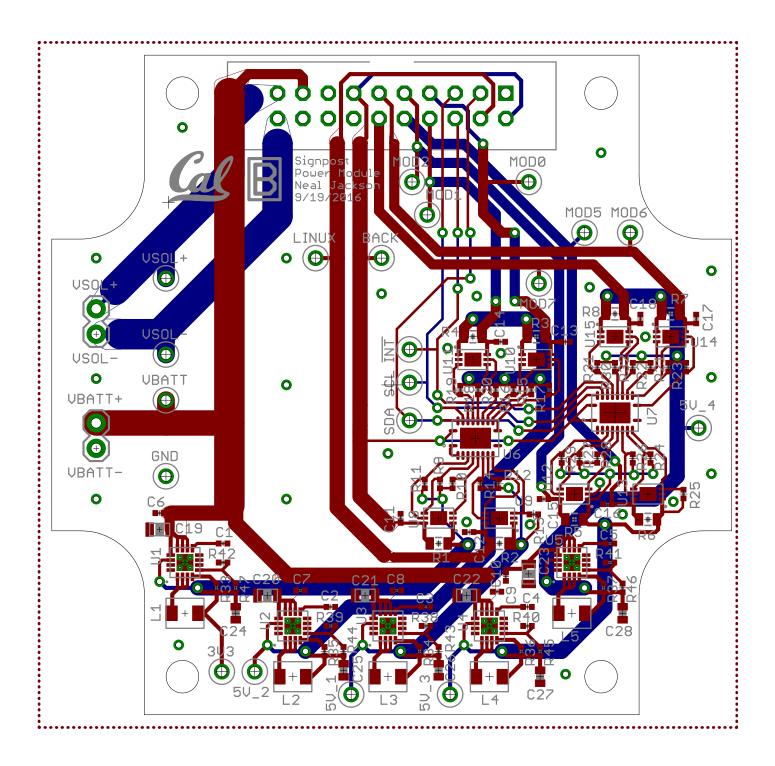


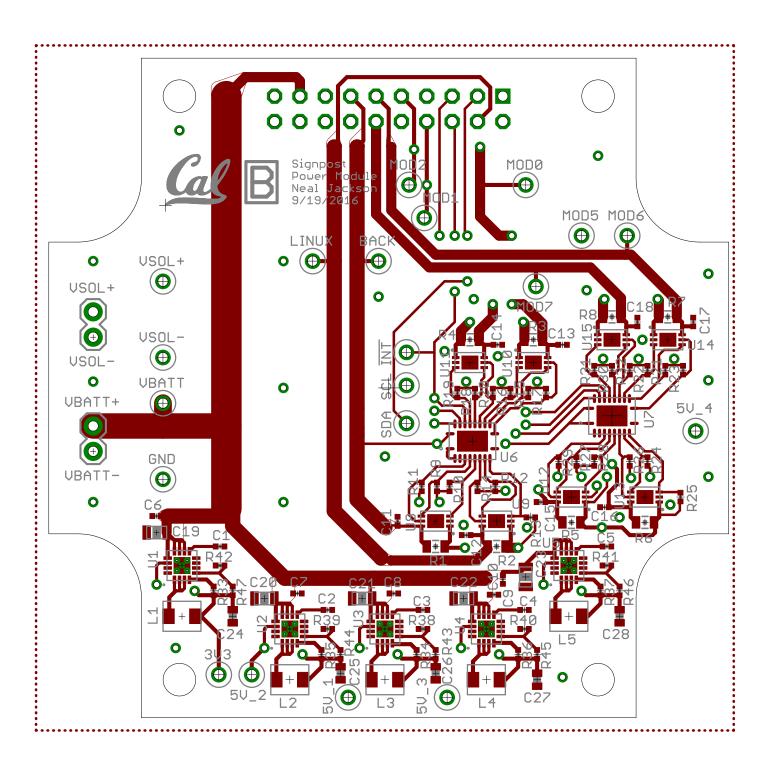
# Debugging

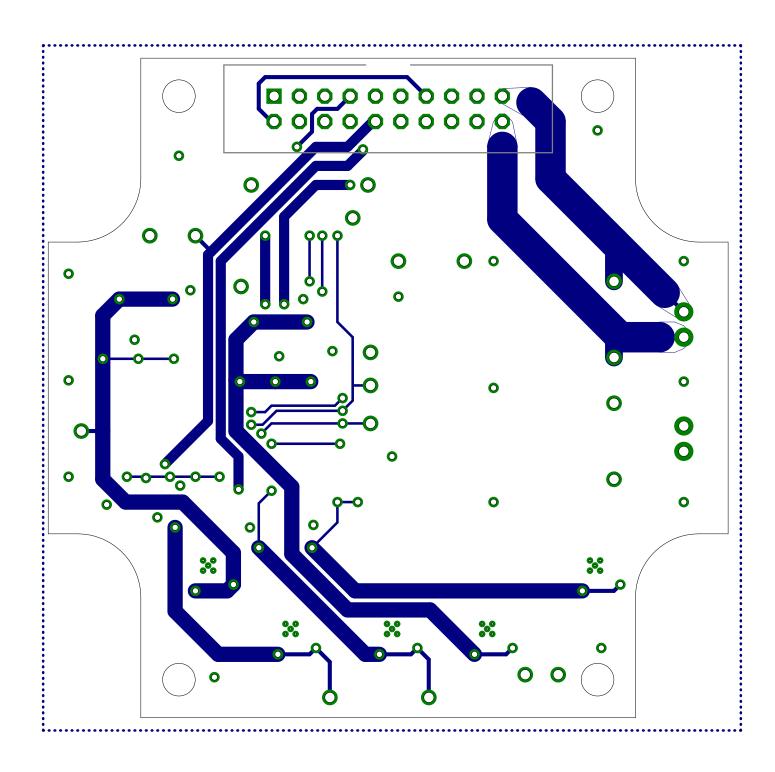


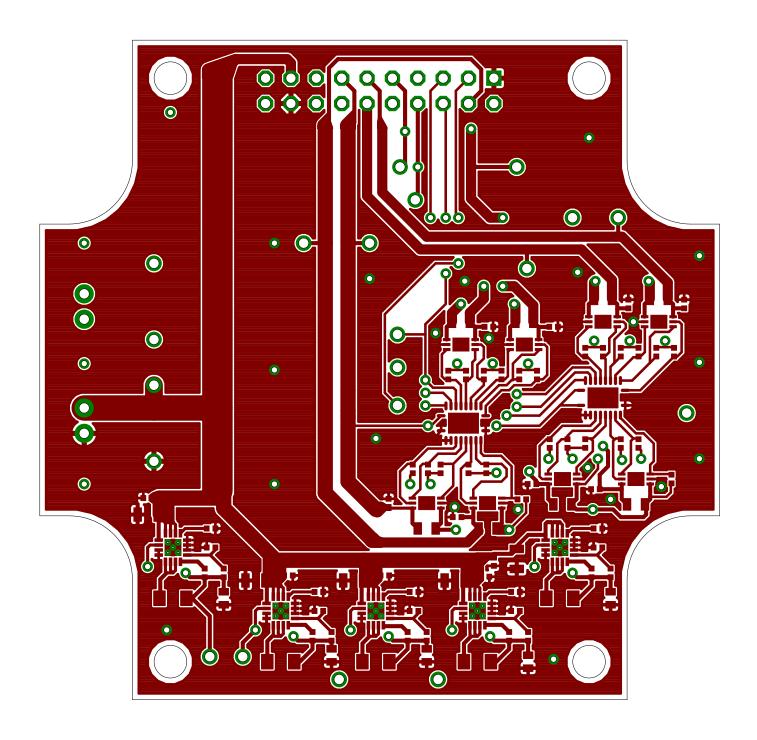
Power Supply Module
Author: N. Jackson
Date: 9/19/16 10:38 PM
REV:
A
Sheet: 9/9

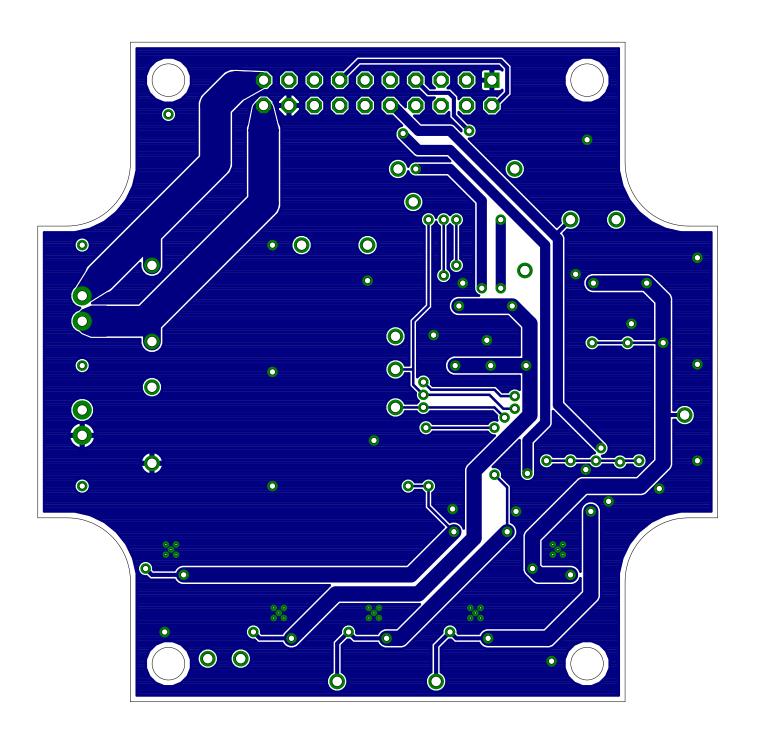
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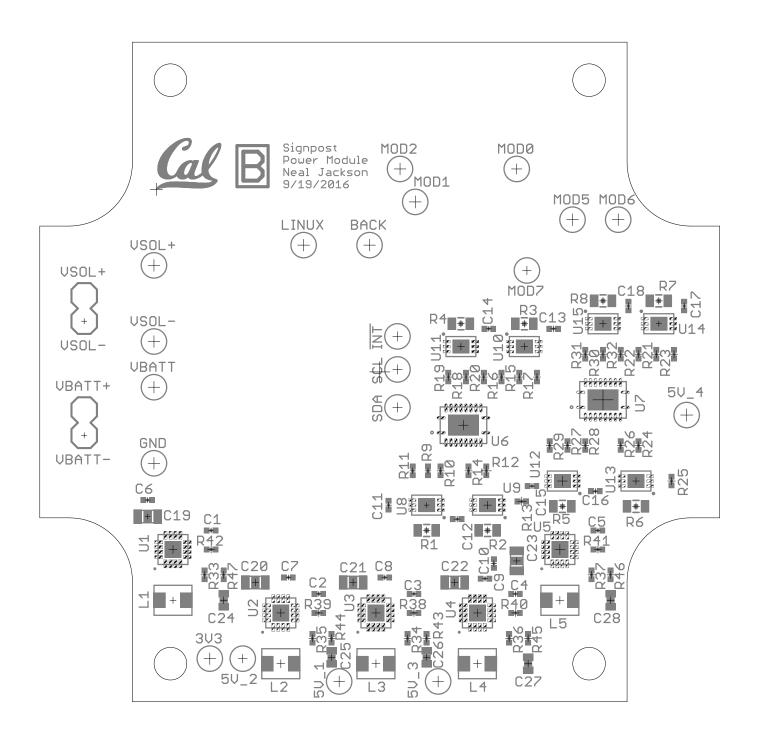


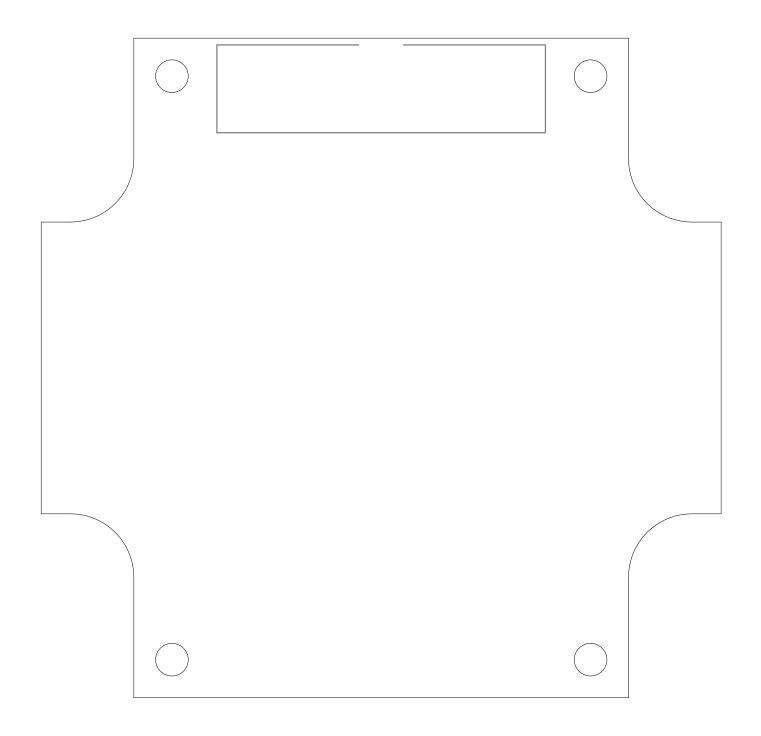


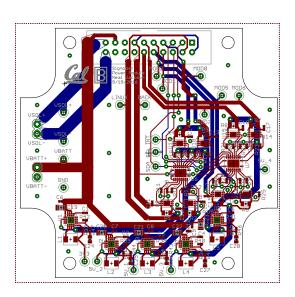


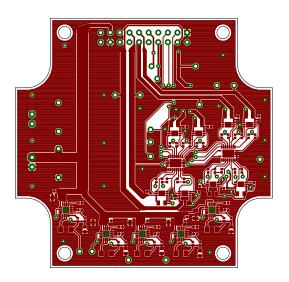


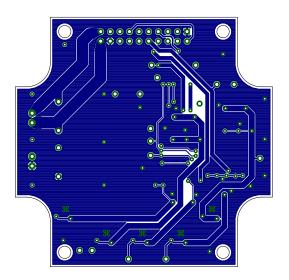












#### power\_supply\_module

Ç	)ty	Value	Device	Package
	8	0.017 Ohm	RESISTOR0805_RES	0805_RES
	24	10 kOhm	RESISTOR0402_RES	0402_RES
	5	100 kOhm	RESISTOR0402_RES	0402_RES
	4	130 kOhm	RESISTOR0402_RES	0402_RES
	1	240 kOhm	RESISTOR0402_RES	0402_RES
	4	680 kOhm	RESISTOR0402_RES	0402_RES
	1	750 kOhm	RESISTOR0402_RES	0402_RES
	5	3.3 nF	CAPACITOR0402_CAP	0402_CAP
	13	0.1 uF	CAPACITOR0402_CAP	0402_CAP
	5	10 uF	CAPACITOR0805_CAP	0805_CAP
	4	22 uF	CAPACITOR0603_CAP	0603_CAP
	5	2.2 uH	INDUCTORIHL	IHL-1212BZ-11
	8	LTC2941	LTC2941	DFN-6-2MMX3MM
	1	MODULE_POWER	MODULE_POWER	MODULE_POWER
	2	PCA9544AQFN-N20	PCA9544AQFN-N20	QFN-N20
	20	TEST_POINT_0.040IN	TEST_POINT_0.040IN	TESTPOINT_0.040IN
	5	TLV62130	TLV62130	TQFN-16/3MM

#### power\_supply\_module

```
Parts
R1, R2, R3, R4, R5, R6, R7, R8
R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R2
R33, R34, R35, R36, R37
R38, R39, R40, R41
R42
R43, R44, R45, R46
R47
C1, C2, C3, C4, C5
C6, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18
C19, C20, C21, C22, C23
C24, C25, C26, C27, C28
L1, L2, L3, L4, L5
U8, U9, U10, U11, U12, U13, U14, U15
J1
U6, U7
!INT, 3V3, 5V_1, 5V_2, 5V_3, 5V_4, BACK, GND, LINUX, MOD0, MOD1, MOD2, MOD5, MO
U1, U2, U3, U4, U5
```

#### power\_supply\_module

Description DIGIKEY

Resistor WSLPB-.017CT-ND Resistor P10KJCT-ND Resistor P100KJCT-ND Resistor P130KLCT-ND Resistor P240KLCT-ND Resistor P680KLCT-ND Resistor P750KLCT-ND 0402 Capacitor 490-3248-1-ND 0402 Capacitor 490-5920-1-ND 0805 Capacitor 490-5523-1-ND

0603 Capacitor 1276-1193-1-ND A very specific inductor 541-1322-1-ND

I2C Battery Gas Gauge LTC2941IDCB#TRMPBFCT-ND

Header for power module for signpost S9172-ND
1-4 I2C/SMBUS Multiplexer with interrupt for power 296-20960-1-ND
0.040in Test Point 5001K-ND
High Efficient 3A switching step-down regulator. 1V- 296-35978-1-ND