

PCB LAYOUT NOTES:  
 PLACE BYPASS CAPS C8 AND C10  
 AS CLOSE TO U1 AS POSSIBLE.  
 PLACE C9 VERY NEAR U1 PINS 34 & 35

### CUSTOMER NOTICE

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CONTRACT NO.

APPROVALS

DRAWN: CHRIS P.

CHECKED:

APPROVED:

ENGINEER: DAVE C.

DESIGNER:



1630 McCarthy Blvd.  
 Milpitas, CA 95035  
 Phone: (408)432-1900  
 Fax: (408)434-0507  
 LTC Confidential-For Customer Use Only

TITLE: LTC2977 8-CHANNEL PM BUS POWER SYSTEM MANAGER

## LTC2977IUP

# DC1360B

SIZE  
A

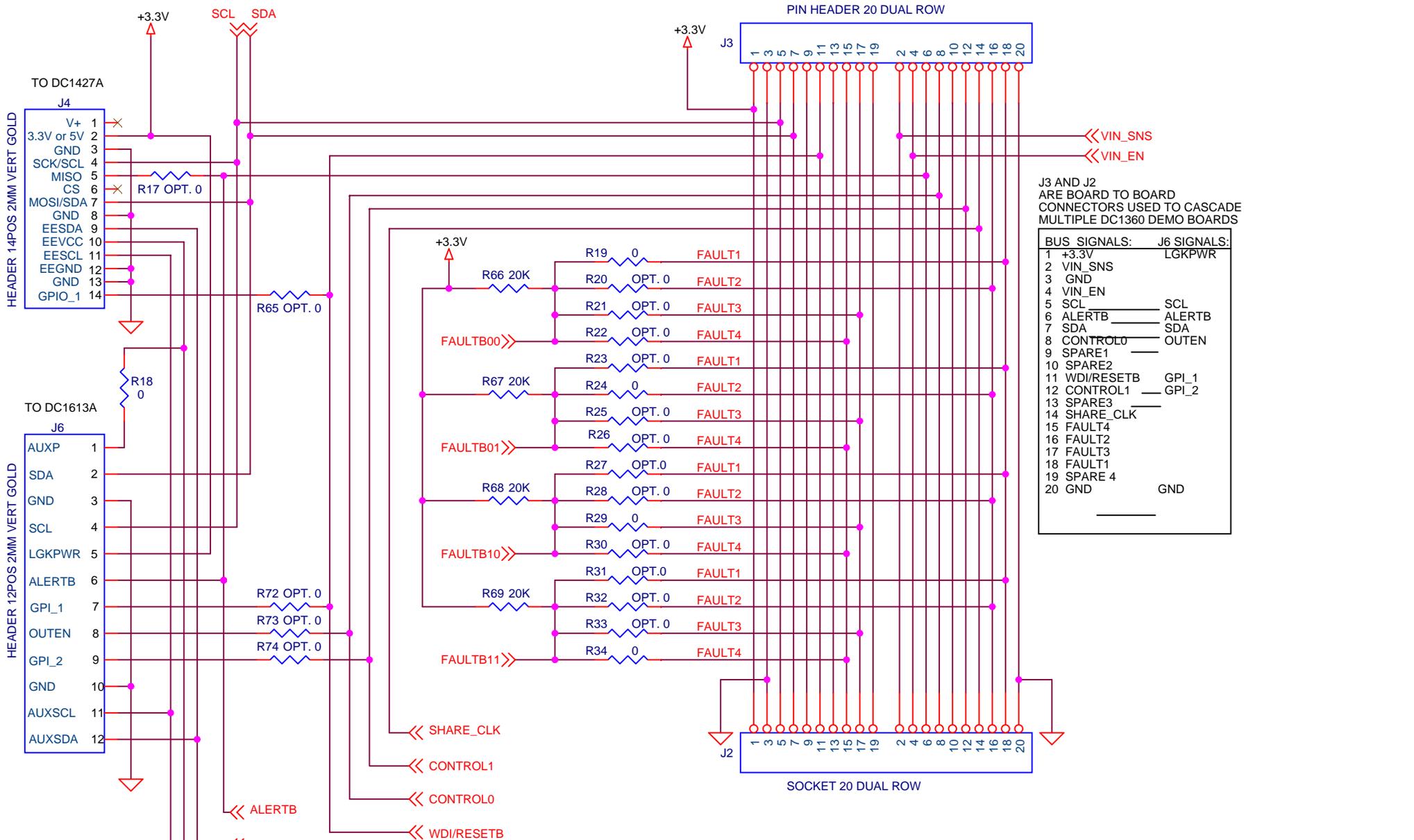
DWG NO.

REV  
B

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DATE: Wednesday, August 14, 2013

SHEET 1 OF 4



J3 AND J2 ARE BOARD TO BOARD CONNECTORS USED TO CASCADE MULTIPLE DC1360 DEMO BOARDS

| BUS SIGNALS:  | J6 SIGNALS: |
|---------------|-------------|
| 1 +3.3V       | LGKPWR      |
| 2 VIN_SNS     |             |
| 3 GND         |             |
| 4 VIN_EN      |             |
| 5 SCL         | SCL         |
| 6 ALERTB      | ALERTB      |
| 7 SDA         | SDA         |
| 8 CONTROL0    | OUTEN       |
| 9 SPARE1      |             |
| 10 SPARE2     |             |
| 11 WDI/RESETB | GPI_1       |
| 12 CONTROL1   | GPI_2       |
| 13 SPARE3     |             |
| 14 SHARE_CLK  |             |
| 15 FAULT4     |             |
| 16 FAULT2     |             |
| 17 FAULT3     |             |
| 18 FAULT1     |             |
| 19 SPARE 4    |             |
| 20 GND        | GND         |

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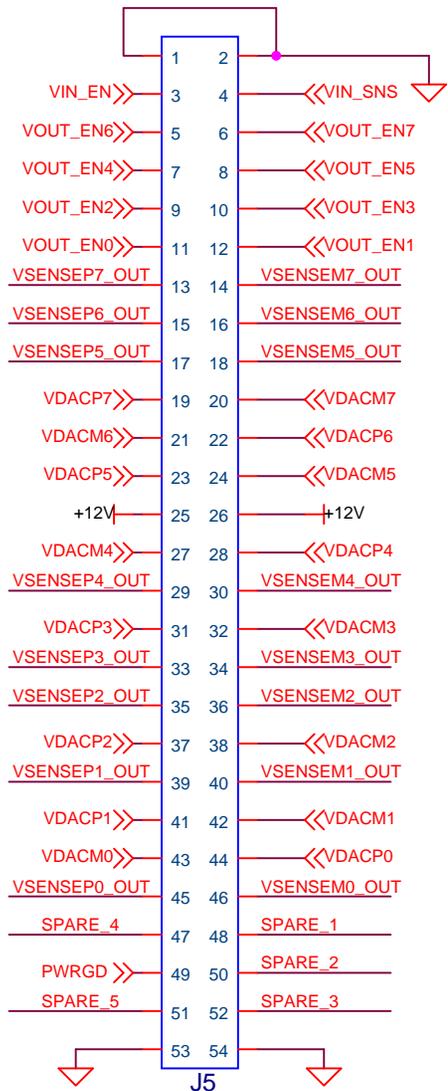
**DC1360B**

REV **B**

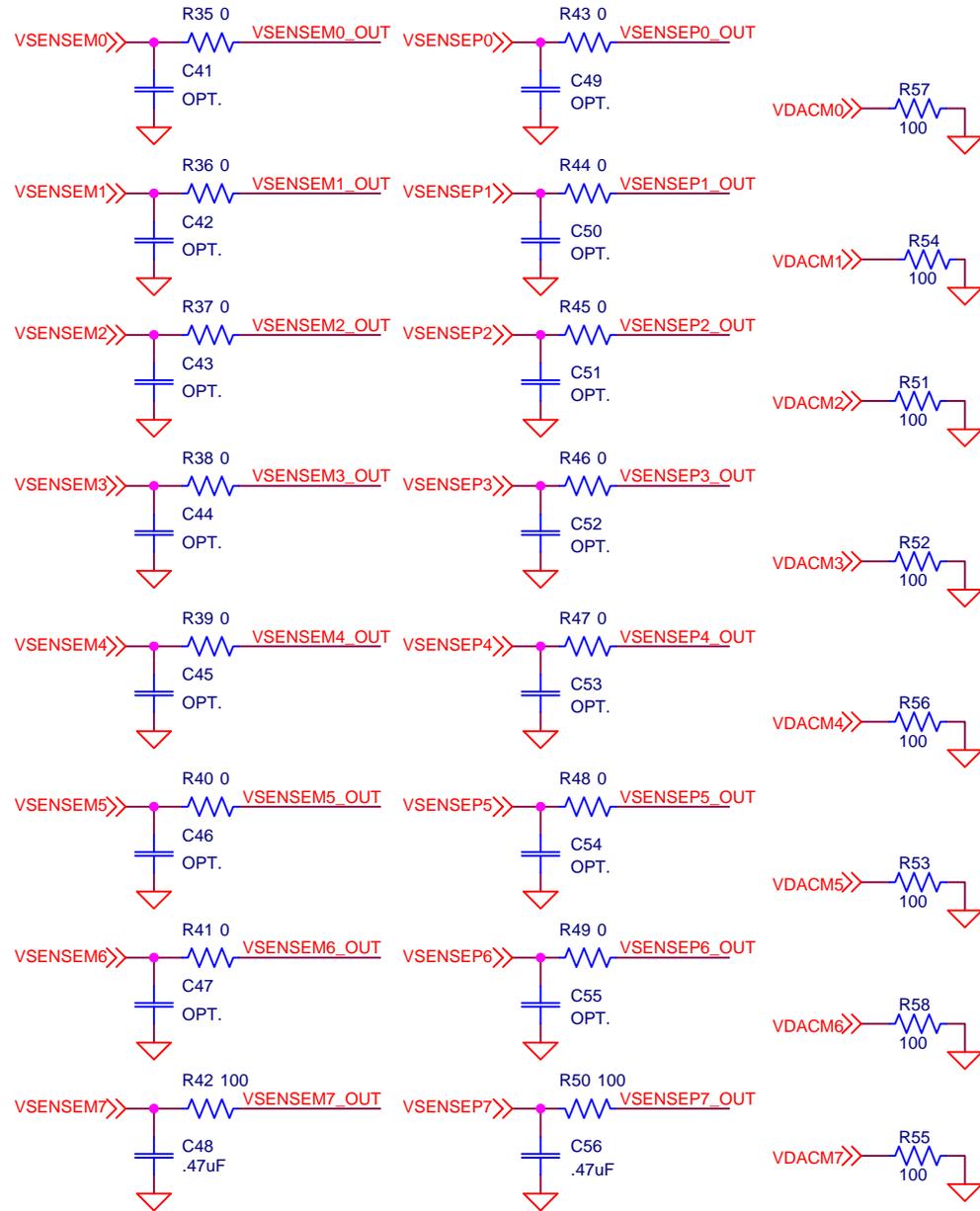
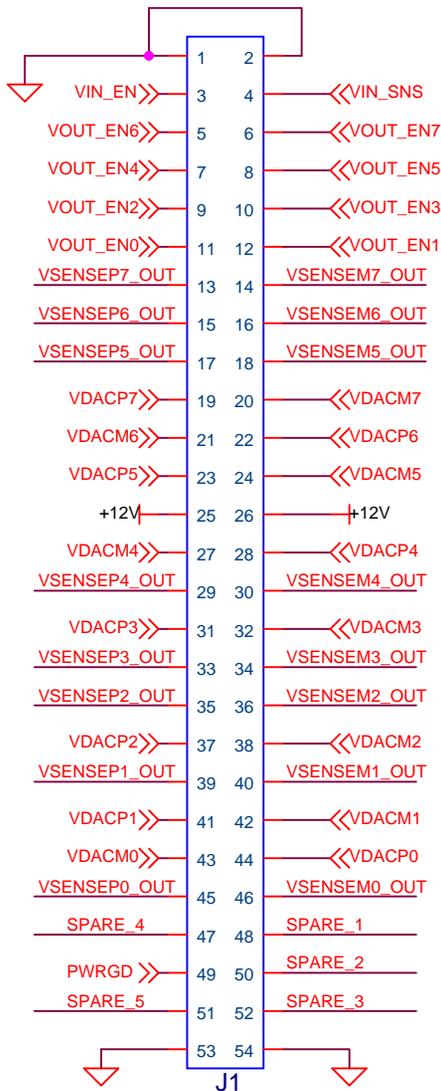
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**J5 HEADER**  
 PROVIDES ACCESS TO LINES GOING TO  
 COMPANION POWER SUPPLY BOARD  
 (OPTIONAL)



**J1 CONNECTOR**  
 TO POWER SUPPLY COMPANION BOARD



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**LTC2977IUP**  
**DC1360B**

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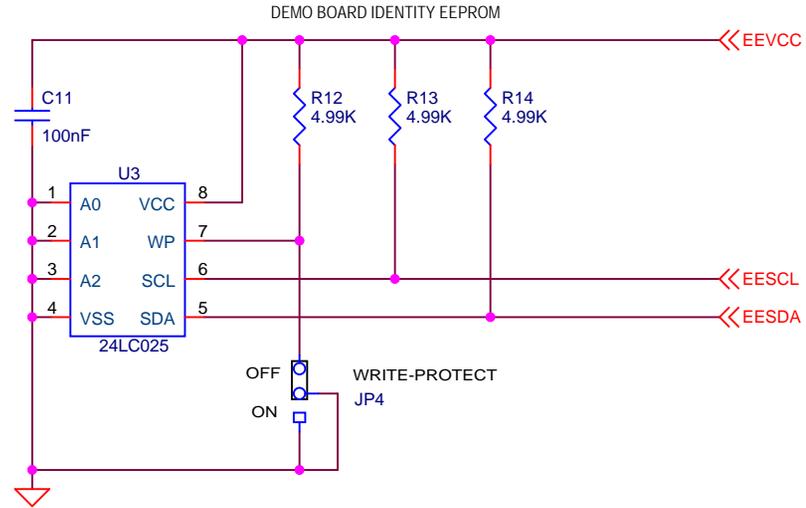
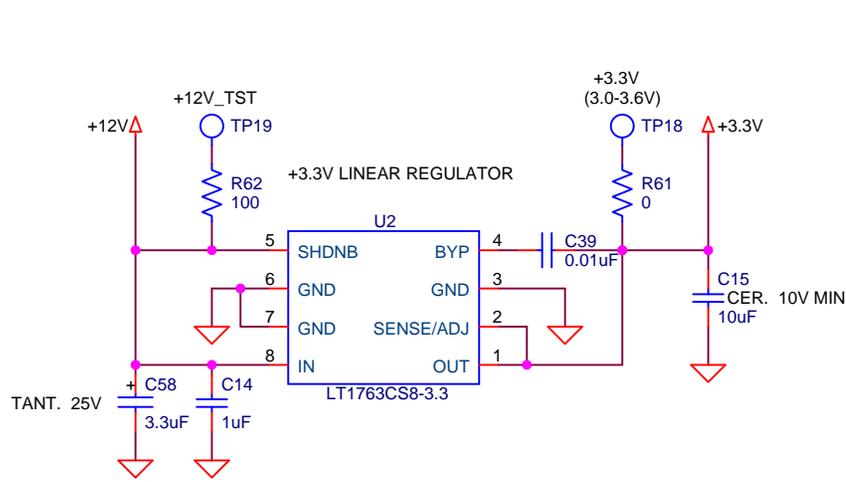
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REV  
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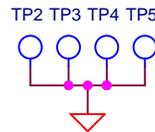
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SHEET 3 OF 4



GROUND TEST POINTS



|   |  |  |
|---|--|--|
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|   |  | SHEET 4 OF 4   |