### LED Indication

- R59-R66

### Current Sense Filtering

- ISM3
- ISM2
- ISM1

### Board-to-Board Connector

- J3
- J4

### Voltage Sense Filtering

- VOUT_CH0
- VOUT_CH1
- VOUT_CH2
- VOUT_CH3

### Test Points/ Optional Header

- PG0
- PG1
- PG2
- PG3

### CUSTOMER NOTICE

- REMOVE R59-R66 FOR REMOTE SENSING

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**NOTE:** REMOVE R59-R66 FOR REMOTE SENSING

**LED Indication**

- R59-R66

**Current Sense Filtering**

- ISM3
- ISM2
- ISM1

**Board-to-Board Connector**

- J3
- J4

**Voltage Sense Filtering**

- VOUT_CH0
- VOUT_CH1
- VOUT_CH2
- VOUT_CH3

**Test Points/ Optional Header**

- PG0
- PG1
- PG2
- PG3
**Identity EEPROM**

**Pre-Load Jumpers**

**VOUT_CH3**  
**VOUT_CH2**  
**VOUT_CH1**  
**VOUT_CH0**

**Tracking/SoftStart Jumpers**

**VOUT_CH3**  
**TRK**  
**SS**  
**TRK**  
**SS**  
**TRK**  
**SS**

**LTM4644-1 Quad 4A Supply**

with 50-pin Connector to Power System Manager

**Optional Jumpers for Parallel Operation**

**Parallel CH0 and CH1**

**Parallel CH2 and CH3**

By default, jumpers set to SoftStart

**+3.3V LDO and Identity EEPROM**

By default, jumpers set to pre-load ON

**CUSTOMER NOTICE**

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FOR CUSTOMER USE ONLY  
PCB DES.  
APP ENG.  
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REVOLUTION HISTORY
NOTES - UNLESS OTHERWISE SPECIFIED:
1 - ALL CHIP CAPS AND CHIP RES ARE 0402
ALL PARTS ON THIS PAGE ARE FOR DEMO ONLY, NOT NEEDED IN CUSTOMER DESIGN

BUS SIGNALS:

1. LGNDWR
2. VIN, SW
3. GND
4. ADDR, Fault
5. SCL, GND
6. ALERTB
7. SDA
8. CONTROL0
9. CONTROL2
10. CONTROL3
11. SHARE_CLK
12. CONTROL1
13. SHARE_CLK (PGOOD)
14. ALERTB
15. FAIL T4
16. FAIL T2
17. FAIL T1
18. FAIL T0
19. SHARE 4
20. GND

LINEAR TECHNOLOGY HAS MADE A BEST EFFORT TO DESIGN A CIRCUIT THAT MEETS CUSTOMER-SUPPLIED SPECIFICATIONS; HOWEVER, IT REMAINS THE CUSTOMER'S RESPONSIBILITY TO VERIFY PROPER AND RELIABLE OPERATION IN THE ACTUAL APPLICATION. COMPONENT SUBSTITUTION AND MODIFIED CIRCUIT DESIGN MAY SIGNIFICANTLY AFFECT CIRCUIT PERFORMANCE OR RELIABILITY. CONTACT LINEAR TECHNOLOGY APPLICATIONS ENGINEERING FOR ASSISTANCE.

CUSTOMER NOTICE

THIS CIRCUIT IS PROPRIETARY TO LINEAR TECHNOLOGY AND SUPPLIED FOR USE WITH LINEAR TECHNOLOGY PARTS.

PRODUCT SOLDERLANDMARK:

4-CHANNEL PMBUS POWER SYSTEM MANAGER

IC NO. LTC2975IUP

DATE: Monday, June 22, 2015

REV: 1

SHEET 2 OF 3

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