

LTC7852 DEMO CIRCUIT 2631A-



VIN
7V - 14V

VIN+

CIN13

J2

GND

CIN14

CIN15

VIN-

HIGH EFFICIENCY 6-PHASE STEP-DOWN CONVERTER

GND

5VBIAS ☐ ON ☐ OFF

5VBIAS
5.0V / 500mA

PLLIN

PGOOD2

SS2

RUN2

RUN2 ☐ ON ☐ OFF

GND

3.3VAUX
3.3V/50mA

ON OFF
3.3VAUX

CLKOUT

PGOOD1

SS1

RUN1

ON OFF
RUN1

IMON1

1.5VREF

IMON2

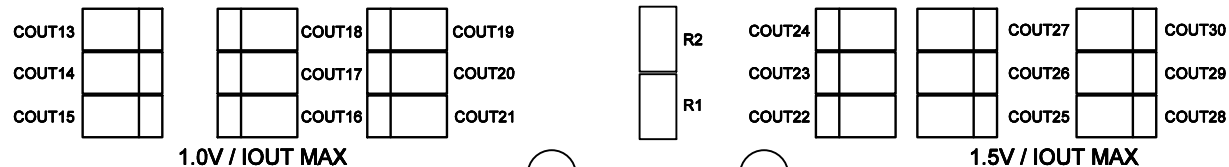
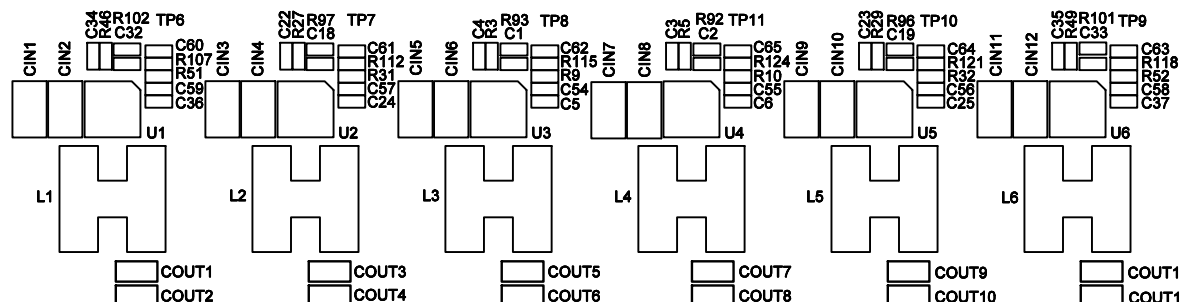
PULSE GEN 1

GND

ISTEP1+

ISTEP1-

2mV / AMP



VOUT1

GND

VOS1+

VOS2+

VOS1-

VOS2-

GND

VOUT2

J5

PULSE GEN 2

GND

ISTEP2-

ISTEP2+

2mV / AMP

| VERSION | VOUT1 | VOUT2 |
|---------|-------------|-------------|
| -A | 1.0V / 100A | 1.5V / 100A |
| -B | 1.0V / 200A | |

VOUT1

VOUT2

() J7

() J8

FOR ADI CUSTOMER USE ONLY

ANALOG DEVICES INC.

DC2631A REV 4

05/03/18

TOP SILKSCREEN