

# LTC4292/LTC4291

## ABSOLUTE MAXIMUM RATINGS

(Notes 1, 4)

### LTC4292

Supply Voltages

AGNDP –  $V_{EE}$  ..... –0.3V to 80V  
VSSK12, VSSK34 (Note 7) ...  $V_{EE} - 0.3V$  to  $V_{EE} + 0.3V$

Digital Pins

PWRMD0, PWRMD1 .....  $V_{EE} - 0.3V$  to  $CAP2 + 0.3V$

Analog Pins

SENSEnM, GATEnM, OUTnM  $V_{EE} - 0.3V$  to  $V_{EE} + 80V$   
CAP2 (Note 13) .....  $V_{EE} - 0.3V$  to  $V_{EE} + 5V$   
CPA, CNA, DPA, DNA .....  $V_{EE} - 0.3V$  to  $V_{EE} + 0.3V$

Operating Ambient Temperature Range

LTC4292I ..... –40°C to 85°C

Junction Temperature (Note 2) ..... 125°C

Storage Temperature Range ..... –65°C to 150°C

(Note 1)

### LTC4291

Supply Voltages

$V_{DD} - DGND$  ..... –0.3V to 3.6V

Digital Pins

SCL, SDAIN, SDAOUT,  $\overline{INT}$ ,  $\overline{RESET}$ ,  $\overline{MSD}$ , ADn, AUTO,  $\overline{4PVALID}$ , GPn .....  $DGND - 0.3V$  to  $V_{DD} + 0.3V$

Analog Pins

CAP1 (Note 13) ..... –0.3V to  $DGND + 2V$   
CPD, CND, DPD, DND .....  $DGND - 0.3V$  to  $V_{DD} + 0.3V$

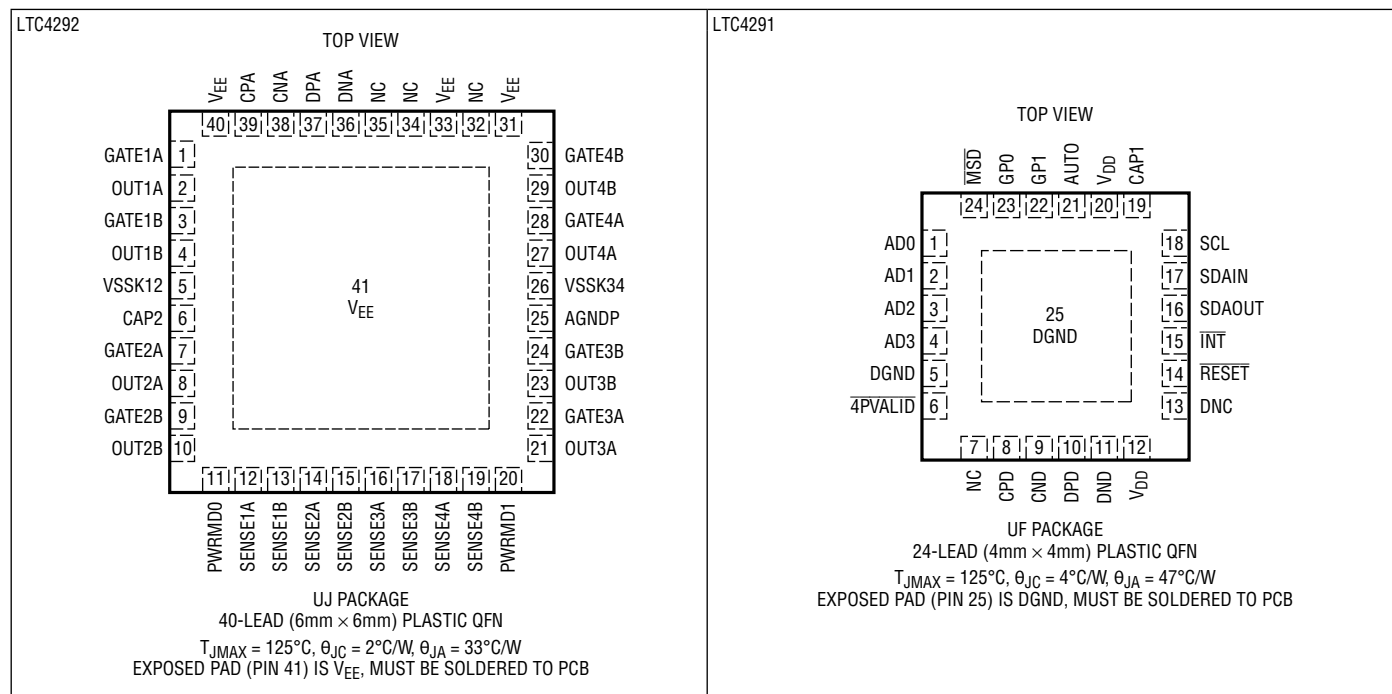
Operating Ambient Temperature Range

LTC4291I ..... –40°C to 85°C

Junction Temperature (Note 2) ..... 125°C

Storage Temperature Range ..... –65°C to 150°C

## PIN CONFIGURATION



**ORDER INFORMATION** <http://www.linear.com/product/LTC4292#orderinfo>

| LEAD FREE FINISH | TAPE AND REEL    | PART MARKING | PACKAGE DESCRIPTION             | TEMPERATURE RANGE |
|------------------|------------------|--------------|---------------------------------|-------------------|
| LTC4291IUF#PBF   | LTC4291IUF#TRPBF | 4291         | 24-Lead (4mm × 4mm) Plastic QFN | –40°C to 85°C     |
| LTC4292IUJ#PBF   | LTC4292IUJ#TRPBF | LTC4292UJ    | 40-Lead (6mm × 6mm) Plastic QFN | –40°C to 85°C     |

Consult ADI Marketing for parts specified with wider operating temperature ranges.

For more information on lead free part marking, go to: <http://www.linear.com/leadfree/>

For more information on tape and reel specifications, go to: <http://www.linear.com/tapeandreel/>. Some packages are available in 500 unit reels through designated sales channels with #TRMPBF suffix.

