

LTC4215IUF
60W POSITIVE 12V
HOT SWAP CONTROLLER
W/CURRENT AND VOLTAGE MONITOR

LINEAR TECHNOLOGY

DEMO CIRCUIT 874A
 (408) 432-1900
 www.linear.com

LTC CONFIDENTIAL -
 FOR CUSTOMER USE ONLY

+12V INPUT

+12V/5A OUTPUT

HOT SWAP CONTROLLER

I2C PORT

JP7

JP1 EXT INT
 TIMER SELECT

JP2 AUTO I2C
 ON CONFIG

JP3 +12V INPUT EXT
 ADIN SELECT

JP4 LOW FLOAT HIGH
 ADR0 I2C ADDRESS

JP5 ADR1

JP6 ADR2

JP8 ADIN SELECT

JP9 SHORT PIN GND EN
 SHORT PIN

E1 +12V INPUT

E2 +12V/5A OUTPUT

E3 PWRGD (GPIO)

E4 INTVCC

E5 ADIN 1.235V FULL SCALE

E6 GND

E7 SHORT PIN

E8 SCL

E9 GND

E10 SDAI

E11 SDA0

E12 ALERT

E13 GND

E14 GND

E15 GND

Q1 MOSFET

D1 DIODE

R1, R2, R3, R4, R5, R6, R7, R8 RESISTORS

Z1 ZENER

U1 LTC4215IUF