Dual Stage LED Driver

Project Title: Designed for: Public Release

Assembly Variant: 001

Sheet Title:

Sheet of

Contact:

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Dual Stage LED Driver

Boost Controller
LM5122-Q1

Pre-Boost Control

Buck LED Driver
TPS92515HV-Q1

EMI Filter

Vin = 6V to 18V

J1

J2

J3

J4

IN1

IN2

VOUT_BOOST = 18V to 45V

VOUT_B1 = max 42V @ 25W

VOUT_B2 = max 42V @ 25W

Pre-Boost Control

VOUT_B1 = max 42V @25W

VOUT_B2 = max 42V @ 25W

VOUT_BOOST = 18V to 45V

Up to 14 LED's

Up to 14 LED's

OR-ing + Reverse Polarity Protection

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These assemblies must comply with workmanship standards IPC-A-610 Class 2, unless otherwise specified.

ESD sensitive; ESD precautions shall be observed.

These assemblies must be clean and free from flux and all contaminants. Use of no-clean flux is not acceptable.

These assemblies must comply with workmanship standards IPC-A-610 Class 2, unless otherwise specified.

LOGO
PCB
Pb-Free Symbol

CO!PCB1
COFID1 COFID2 COFID3
COLogo1 COLogo2
COZZ1
COZZ2
COZZ3
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