CONVERTS 48VDC FROM THE BATTERY PACKS TO 12VDC FOR THE ATS CONTROLLER AND PVS6

PINOUT FIXED IN R3

MATING CONNECTOR
Wurth 691 361 100 002

Traces capable of 2 amps

Traces capable of 2 amps

Traces capable of 3 amps

CHANGED IN R3
This is now a screw terminal connector

FIXED IN R3

DIODE FOOTPRINT BACKWARDS ON ALL V3FL45, REPAIRED

MAKE 1206 COMPATIBLE FOOTPRINT IN CASE WE USE A 0 OHM INSTEAD

POWER TO PVS6

Traces capable of 3 amps

POWER IN AND OUT ADDED FOR MIO BOARD

POWER TO XANBUS GATEWAY

Traces capable of 1 amps

Traces capable of 2 amps

Traces capable of 3 amps

ISOLATION BARRIER

Disables the 48V to 12V converter to save power.

JumpStart Power Switch

Traces capable of 3 amps

biased line so that it powers-on with NO internal control but PSOC can shut it off.

2A current limit = 1K

INTERNAL 12V TO 5V CONVERTER

Trace capable of 1 amp

SUNPOWER

SunPower Corporation
1414 Harbour Way South
Richmond, CA 94804 USA

Title: ADS Controller 3 - 48VDC to 12VDC Power Converter

Size	Document Number	Rev
C	850-00550	3

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