Mount.Hole 3.2mm für Unterlegscheibe

"+12V"

Power Jack 2.1mm 90° SMD

"PWR"

Switches, Diodes, and Resistors for Power Supply Components

Components for Voltage Regulation and Filtering

Mount.Hole 3.2mm für Unterlegscheibe

Date: 2017-07-28
Number: 04
Title: TEC0053
Copyright: Trenz Electronic GmbH
Page 11 of 12

Filename: POWER.SchDoc
Revision -02
==========
1) added pullup on EXT2 signal on second onewire header
2) added input buffers to reduce digital load
3) removed option to mount THR capacitors
4) reduced PCB size
5) changed 3x 3pin THT header (enc term) to single 2x5 pin SMD
6) changed 5 pin THR enc header to 6 pin SMD
7) changed shrunked 2x5 header to SMD-header
8) changed 2 4-pin THT headers to one 2x3 SMD
9) changed high current terminals to correct type
10) added 3 jumpers as mechanical parts
11) added transistor on 3.3V and 5V
12) added resettable fuses on 12V and 3.3V
13) changed board size, holes and connectors positions

Revision -03
==========
1) New fuse F3
2) Changed board size
3) Added ferrite bead to net 3.3V_IN/3.3V

Revision -04
==========
1) Added variant -D: option to swap betweeen signal sources SCLK and EXT1.
2) Resistors 22 Ohm replaced with 33 Ohm
3) New data clock signal SCLK routing. Sources separated by 33 Ohm resistors.
4) GND and ISO_GND nets "stitching" via 150pF X1/Y2 capacitors.
5) ADUM4224WCRWZ replaced with ADUM4224WBRWZ.