

Power supply board (PSB) v1

4x channel DC/DC power supply: 4x 20W DC/DC converters

Application:

- Multichannel Power supply for computers and sensors

Features:

- Wide input voltage range
- Reverse polarity protection
- Overload and short circuit protection
- No minimum load required

Input voltage range: 18÷75 VDC, 48 VDC nom. (for all power modules)

Power In/Out indication: green LED, individual per channel

Overload protection: inbuilt, 150%

I/O isolation: inbuilt 1500 VDC

Short circuit protection: inbuilt, automatic recovery

Voltage output set accuracy: ±1%

Ripple and noise (20 MHz bandwidth):

- 12 VDC: 100 mVp-p typ.,
- 24 VDC: 150 mVp-p typ.

3x channel 12 VDC output, 3x20W:

- 1x - computer power supply only: 12 VDC out
- 2x - sensors power supply: 12 VDC out

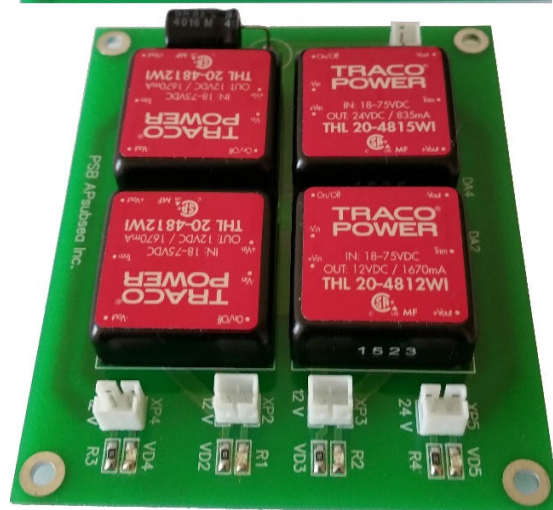
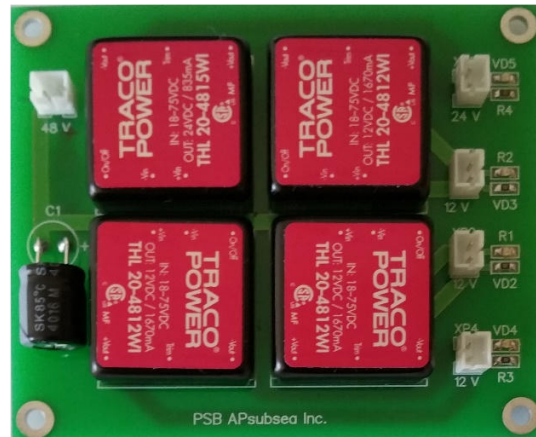
1x channel 24 VDC output, 1x20W:

- 1x – power to DMX controller, RS-SOB isolators, other sensors: 24 VDC out

Input: 1x connector (100 V @ 2A rated)

Outputs: 4x connectors (100 V @ 2A rated)

Connectors: Power In/Out: socket **B2B-PH-K-S** type, pin 1 (V+); cable header **PHR-2**



Power supply board dimensions (W x L x H), mm:

71 x 86 x 12 (other form-factor by request)

Operating temperature: -40 ÷ +75 °C

Mounting: 4x M3 screws

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