imall

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D1U-12-CONC



D1U-12 Connector Card Application Note

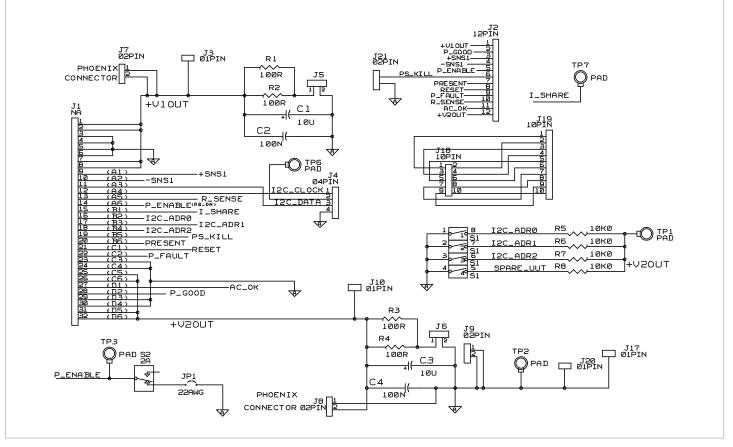
PRODUCT OVERVIEW

This Output Connector card can be used to connect the D1U or D1U4 power supplies for bringing out the output voltage and signals for bench evaluation. Customers can also use this card as an interface to their applications.

SAFETY PRECAUTION

This D1U-12-CONC output connector card is intended to facilitate the connection for the user to evaluate the D1U or D1U4 power supplies in the laboratory. There is 12V exposed on this output connector card, please take the necessary safety precautions during your product evaluation.

SCHEMATIC - D1U-12-CONC





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D1U-12-CONC

D1U-12 Connector Card Application Note

| SIGNAL SPECIFICATION | | | | |
|----------------------|-------------|--|--|-------------|
| Pin Assignment | Signal Name | Description | High Level Low Level | l Max |
| D2 | P_Good | Power good signal output (Internal pull up is $5 \mbox{k} \Omega$ to Vsb) | >2.4V (active, Good) <0.4V | -2 mA +4 mA |
| A1 | +SENSE1 | VOUT remote sense, positive node input, connected to the +ve load point | | |
| A2 | -SENSE1 | VOUT remote sense, negative node input connected to the -ve load point | | |
| A6 | PS_ON | Internal 1K ohm pull-up to Vsb, (accepts open collector/ drain drive), This signal to be pulled low to turn-on power supply | >2.1V (open, or Vsb) <0.7V (active, PS:On) | -1 mA -4 mA |
| B5 | PS_Kill | Floating pin will turn off P/S (shorter pin, last-make and first-break contact for hot plugging). This signal overrides PS-On in disabling the main output | >2.1V <0.7V (open, or Vsb) (active, PS:On) | N/A |
| B6 | Present | Internally tied to Vsb return | 0 V | |
| | N/C | No Connection | | |
| | N/C | No Connection | | |
| | N/C | No Connection | | |
| D1 | AC_OK | Input AC Voltage "OK" signal output (Internal pull up is $5 \mbox{k} \Omega$ to Vsb) | >2.4V (active, 0K) <0.4V | -2 mA +4 mA |
| C5, C6, D5, D6 | V_sb | Standby voltage output | | |

There is a jumper already installed between PS_Kill and Gnd.

There is a switch already installed to toggle the PS_ON to Gnd for enabling the power supply.



MECHANICAL DIMENSIONS - D1U-12-CONC

D1U-12-CONC

D1U-12 Connector Card Application Note

TP3 J21 +V12 P_GOOD-AC_OK GNB Ē +SNS1 PS_KILL PRESENT S2 RESET P_FAULT R_SENSE ENABLE +V3P3/ (5V) RILL O_{TP7} -SNS1 P ENABLE ĸ V3P3/(+5V) GND I_SHARE 0 C 0 000 d_ R5 0 000 V3P3/ 16 (+5V) 0 0 0000 0 O $\bigcirc \circ$ $\overline{00}$ 0000 GND Õ ß 00 0000 S1 GND 0000 \cap O б 0000 V3P3/(+5V) 0000 þ OUTPUT RIPPLE 0000 С GND GND TP6 0000 GND I2C_DATA 0000 CLK J1 0000 0000 0000 0000 0000 V12 OUTPUT RIPPLE 0000 0000 Ο 0000 +V12 +V12 0000 0 0000 J5 0000 0 J18 00000 **3VRTN** V3P3 EXT RESET V12_ TRIM CUR V12 N/C N/N 119 Dimensions: 3" x 5"

Murata Power Solutions, Inc. 11 Cabot Boulevard, Mansfield, MA 02048-1151 U.S.A. ISO 9001 and 14001 REGISTERED



This product is subject to the following <u>operating requirements</u> and the <u>Life and Safety Critical Application Sales Policy</u>: Refer to: <u>http://www.murata-ps.com/requirements/</u>

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