

Features

- Power on/off push button
- Recessed reset button
- Relocates input power connection to front panel I/O
- Screw connection for high shock and vibration requirements
- Gold plated contacts
- ROHS compliant

Product Description

The ADP-PS-433 power adapter provides power and reset buttons as well as an easily accessible power connection to the WINSYSTEMS SBC35-427 single board computer. This power connector offers a highly reliable and secure connection to the external power supply allowing easy access to physically remove power from the front I/O panel.



Technical Specifications

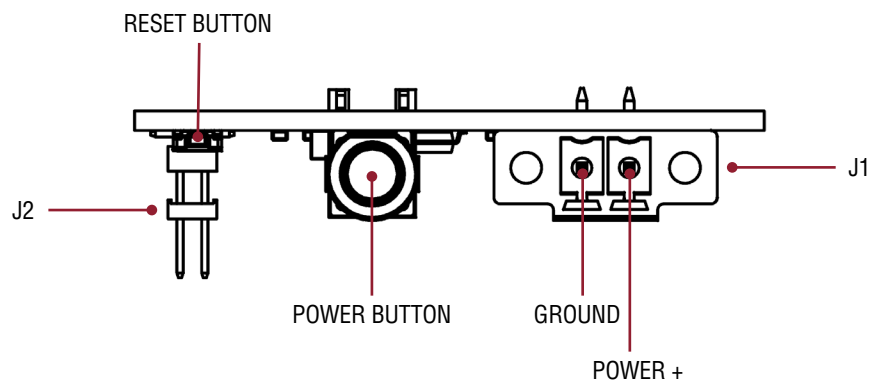
POWER	+10 to 50 VDC
ENVIRONMENTAL	<ul style="list-style-type: none"> • Operational from -40°C to +85°C (-40°F to +185°F) • RoHS compliant
MECHANICAL	<ul style="list-style-type: none"> • Dimensions – 3.5 in x 2.00 in (88.9 mm x 50.8 mm) • Weight – 0.79 oz (22.5 g) • PC Board thickness 0.062 inches
MECHANICAL SHOCK TESTING	<ul style="list-style-type: none"> • IEC 60068-2-27 • 40 g half-sine, 6 ms, 18 shocks
RANDOM VIBRATION TESTING	<ul style="list-style-type: none"> • Vibration specification IEC 60068-2-64 • 7 g rms for all X, Y, and Z directions; 3 hours

Order Information

PART NUMBER	ADP-PS-433
PACKAGE CONTENTS	<ul style="list-style-type: none"> • ADP-PS-433 power adapter • Two m3 x 5mm standoffs • Two m3 x 5mm wafer head bolts



Connectors



Layout and Pin Reference

Diagram	Pin	Name	Pin	Name
	1	VIN	2	GND
	3	VIN	4	GND
	5	VIN	6	GND
	7	VIN	8	GND
	9	VIN	10	GND
	11	VIN	12	GND
	13	V12_RUN	14	PM_GPIO0
	15	I2C_PM_SCL	16	PM_GPIO1
	17	I2C_PM_SDA	18	PM_RSTBTN_N
	19	ALL_SYS_PWRGD	20	PM_PWRBTN_N

J1 - Power Connector

Power is applied to the SBC35-427 via the connector at J1 on the ADP-PS-433 power adapter. Wide-range power VIN (from 10V to 50V).

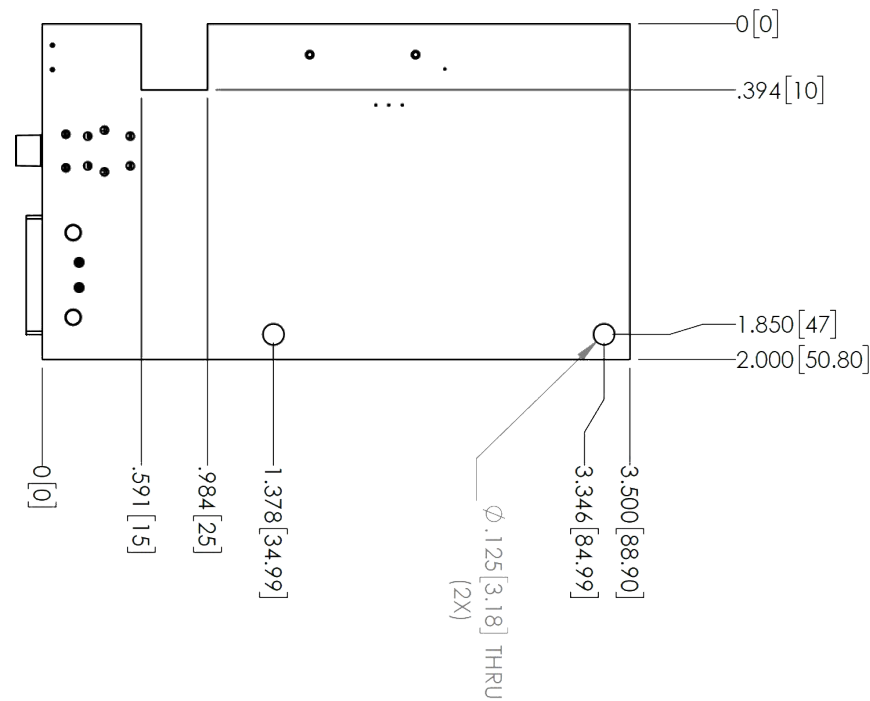
CONNECTOR	Phoenix 1827868 (J1)
MATCHING CONNECTORS	Phoenix 1827703 (housing)

J2 - Power Module Header

This connection is the main interface from the ADP-PS-433 to the SBC35-427 single board computer. It passes VIN power and data signals for power and reset.

CONNECTOR	Samtec TW series 2.00 mm flex stack Part Number: TW-10-03-F-D-280-SM-A
MATCHING CONNECTORS	Samtec SQW series 2.00 mm rugged sockets Part Number: SQW-110-01-F-D-VS-A-K-TR

Mechanical Drawing



WINSYSTEMS reserves the right to make changes to products and/or documentation without further notification. Product names of other companies may be trademarks of their respective companies.