Features

- Two USB 2.0 Type A connectors
- Gold plated contacts
- RoHS compliant

Product Description

The ADP-USB-445 USB 2.0 adapter converts one of the USB 2.0 headers on-board the WINSYSTEMS SBC35-427 single board computer to two type-A connectors on the front I/O panel. The integrated circuitry ensures noise immunity from the type-A connections to the single board computer and provides a robust power solution for external devices.
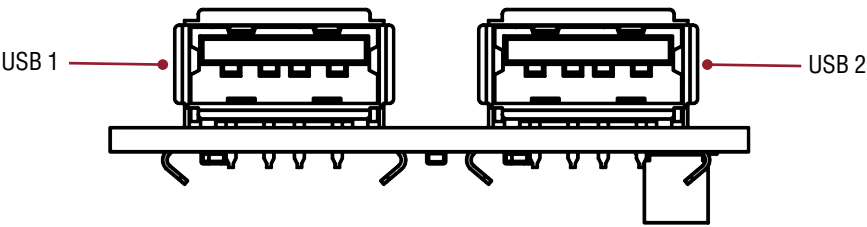
Technical Specifications

POWER	+5V output
ENVIRONMENTAL	• Operational from -40°C to +85°C (-40°F to +185°F) • RoHS compliant
MECHANICAL	• Dimensions – 3.54 in x 1.65 in (90.0 mm x 42.0 mm) • Weight – 0.79 oz (22.5 g) • PC Board thickness 0.062 inches
MECHANICAL SHOCK TESTING	• IEC 60068-2-27 • 40 g half-sine, 6 ms, 18 shocks
RANDOM VIBRATION TESTING	• Vibration specification IEC 60068-2-64 • 7 g rms for all X, Y, and Z directions; 3 hours

Order Information

PART NUMBER	**ADP-USB-445**
PACKAGE CONTENTS	• ADP-USB-445 Dual USB 2.0 adapter • Two m3 x 5mm wafer head bolts

ADP-USB-445

Connectors

USB 1 ← → USB 2

Layout and Pin Reference

Diagram	Pin	Name	Pin	Name
	1	USB1 VCC	2	USB2 VCC
	3	DATA1-	4	DATA2-
	5	DATA1+	6	DATA2+
	7	GND	8	GND

USB 1 and USB 2 Connectors

Two USB 2.0 Type A ports. These ports supply 500 mA maximum continuous current per channel and 480 Mbps transfer speeds.
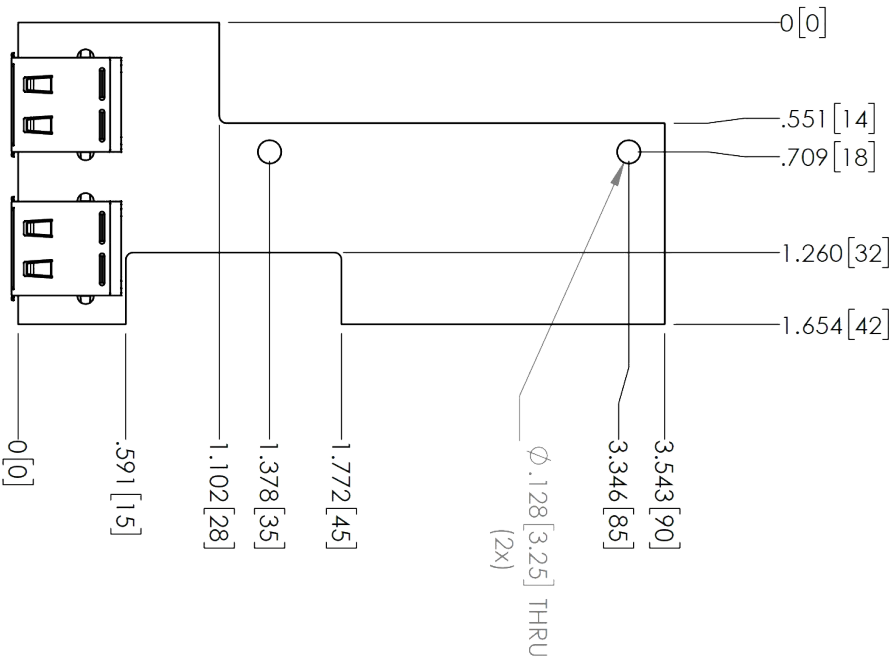
CONNECTOR	Standard USB 2.0 Type A
MATCHING CONNECTORS	Standard USB 2.0 cables and devices

J2 - Power Module Header

This connection is the main interface from the ADP-USB-445 to the SBC35-427 single board computer. It passes power and data signals for two USB 2.0 ports.

CONNECTOR	Molex Milli-Grid header, shrouded with locking window **Part Number:** 87832-0806
MATCHING CONNECTORS	Molex Milli-Grid receptacles (with locking ramp) **Part Number:** 51110-0860

Mechanical Drawing

Rev. 190923