



## ILI2315PB PCAP USB controller

Revision: 000  
Date: 2017-05-02

## Table of contents

<b>1</b>	<b>Controller specification .....</b>	<b>3</b>
1.1	Mechanical features .....	3
1.2	Electrical features .....	3
1.3	Connection specification .....	3
<b>2</b>	<b>Mechanical drawing .....</b>	<b>4</b>
<b>3</b>	<b>Connection signals.....</b>	<b>5</b>
3.1	Connectors .....	5
3.2	J7 pin assignment .....	5
<b>4</b>	<b>UL information .....</b>	<b>5</b>
<b>5</b>	<b>Revision history .....</b>	<b>6</b>

# 1 Controller specification

## 1.1 Mechanical features

Size	90.0 x 50.0 x 4.9 mm
Operating temperature	-40 to +85 °C
Storage temperature	-40 to +150 °C
RoHS compliant	Yes

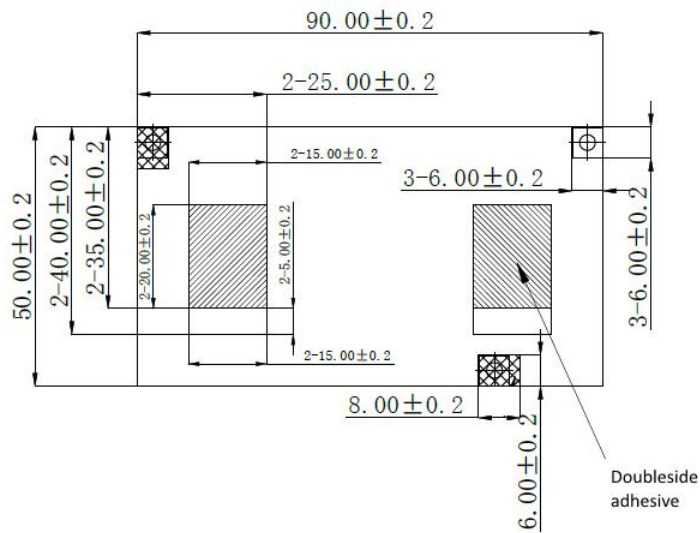
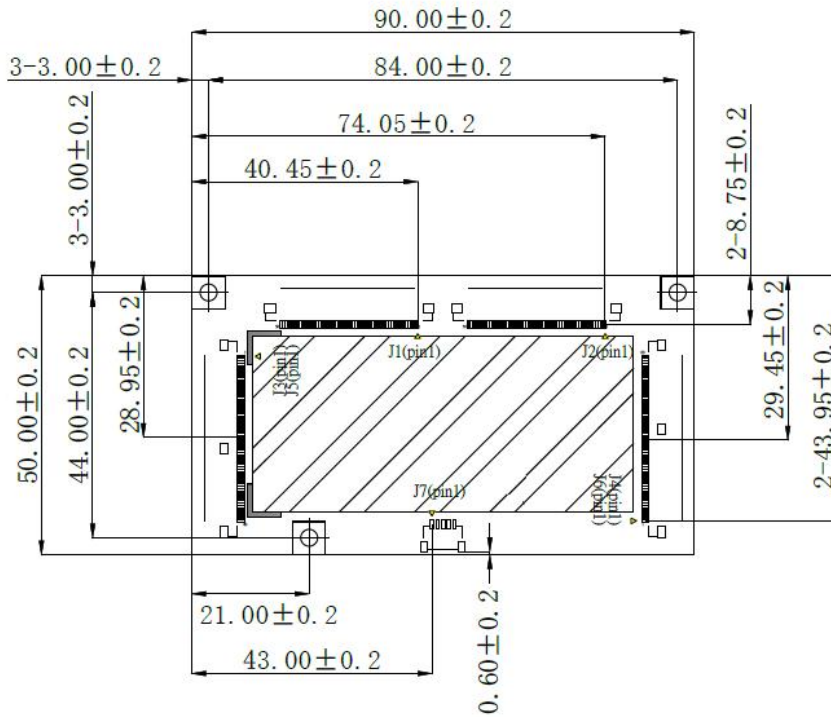
## 1.2 Electrical features

Power supply	5 V ± 5%
On board voltage	3.3V, 5V, 35V
Power consumption	150 mA max. (subject to configuration)

## 1.3 Connection specification

Touch report	10 fingers simultaneously max.
Coordinate resolution	16384 x 9600
Protocol	USB 2.0 Full Speed
Supported OS	Win7/8/8.1/10, CE5/6/7, Linux, Mac OS 9/X

## 2 Mechanical drawing



Height including components: 4.9 mm

## 3 Connection signals

### 3.1 Connectors

Connector	Type	Connection
J1, J2	Aces 51619-050-001	Flextail to touch sensor
J5, J6	Aces 51619-030-001	Flextail to touch sensor
J7	Aces 50224-005-001	USB

### 3.2 J7 pin assignment

Connector front view, starting with pin 1 leftmost

Pin	Signal	Description
1	VDD_5V	Power supply
2	USB_D-	USB data minus
3	USB_D+	USB data plus
4	GND	Ground
5	GND	Ground

## 4 UL information

Connector	Type	UL standard
J1, J2	50 pin flextail connector	E47960 / E54705
J5, J6	30 pin flextail connector	E47960 / E54705
J7	USB connector	E47960 / E54705
PCB		E246887

## 5 Revision history

Revision	Date	Page	By
000	2017-05-02	1-7	RM

**DATA MODUL Aktiengesellschaft**

Landsberger Str. 322  
80687 Munich, Germany  
Tel. +49-89-5 60 17-0  
Fax +49-89-5 60 17-119  
[www.data-modul.com](http://www.data-modul.com)

**Logistics, Production & Services:**

DATA MODUL Weikersheim GmbH  
Lindenstrasse 8  
DE-97990 Weikersheim - Germany  
Phone: +49-7934-101-0  
Fax: +49-7934-101-101

**DATA MODUL's worldwide offices**

can be found on our website:  
[www.data-modul.com/eu/contact-worldwide.html](http://www.data-modul.com/eu/contact-worldwide.html)

