



DOC. NO.

RD- TM220I5XUA -H-001

REV.

PAGE

DATE

TM220I5XUA

01

1 OF 7

2011.09.28

TM220I5XUA

IR Touch 22" Matrix Module
(Interface USB Type)

RoHS Compliance

IVIEWKOREA

www.iviewkorea.com# 1705, 660 Gasan-dong,

Geumcheon-gu, Seoul, South Korea

TEL : 02. 2038. 8570

Our Signature	Design	checked	Approved

For Customer Approval			

Please return one of these to us immediately with your Signature for Approval

A4 (210mm×297mm)




Contents

1. Specification	-----	3
2. Electrical	-----	3
3. Interface (Connector & Cable)	-----	4
4. Dimension & View	-----	5
5. Warranty	-----	7

Revision History

Rev	Date	Description	Remark
01	2011.09.28	Start	Ver 01

	DOC. NO.	RD- TM220I5XUA -H-001	REV.	PAGE	DATE
		TM220I5XUA	01	3 OF 7	2011.09.28

1. Specification

Item	Description
Detection	Infrared interruption detecting system with infrared sensors
Outline Dimension	563.6 (H) X 377.6 (V) X 14.5 (T) mm
Detection Area	475.8 (H) X 298.0 (V) mm
An optical element Space	5.0 (H) X 5.0 (V) mm
The number of optical elements	94 (H) X 59 (V) pcs
Touch plate	Standard) Tempered glass (4T)
Scanning Rate	Normal Mode : 25msec (Typ) Sleep Mode : 50msec (Typ)

Interface) USB

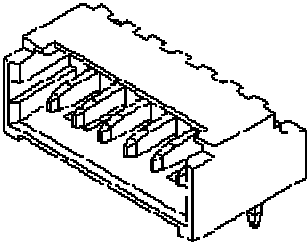
Item	Description
Interface	USB2.0
Signal	D+ , D- , VBUS, GND
Speed	12MBps (Full Speed)
Transfer Mode	Interrupt Mode

2. Electrical & Environmental

Item	Description
Supply voltage	5 Vdc \pm 10%
Current	2.5 W (Typically)
Temperature	Operation : 0 ~ 40°C
Humidity	Operation : 0 ~ 85%
Resistance of ambient light	Side light 5,000 Lx (incident angle 20°) Front light 60,000 Lx (incident angle 90°)

3. Interface

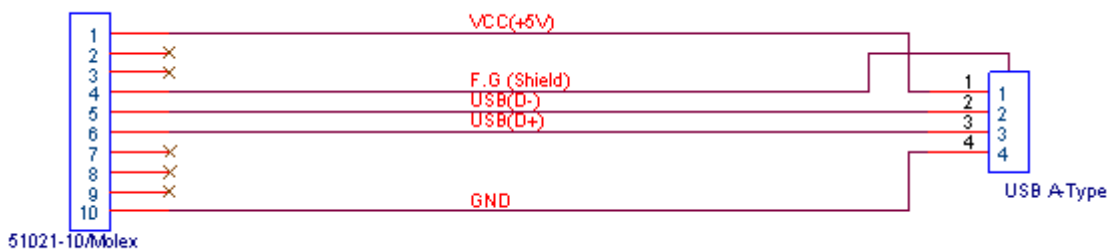
1).Connector - UART / USB – CN1 (53048-10/MOLEX)



Pin No.	Description	Pin No.	Description
1	VCC(VBUS) +5V	6	USB DP
2	RS232 Tx	7	SAMBA BOOT
3	RS232 Rx	8	OSD Tx
4	GND	9	OSD Rx
5	USB DM	10	GND

2).Cable

(1) USB TYPE (USB CONNECTOR AND 51021-10) - 2M



- USB A Type CONNECTOR (Connection -- Main Computer)

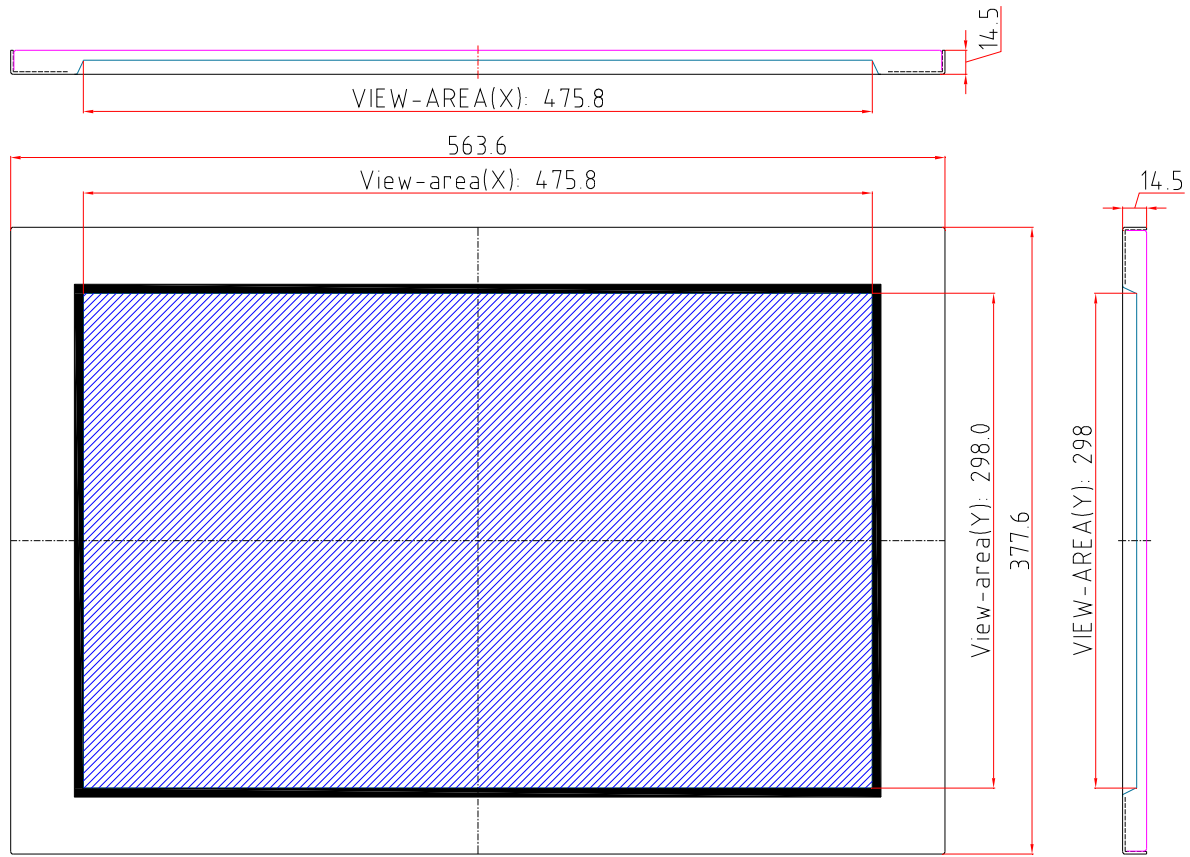
Pin No.	Description
1	VBUS
2	D-
3	D+
4	GND

- 51021-10/MOLEX (Connection -- This Module)

Pin No.	Description	Pin No.	Description
1	VCC	6	D+
2	NC	7	NC
3	NC	8	NC
4	GND	9	NC
5	D-	10	GND

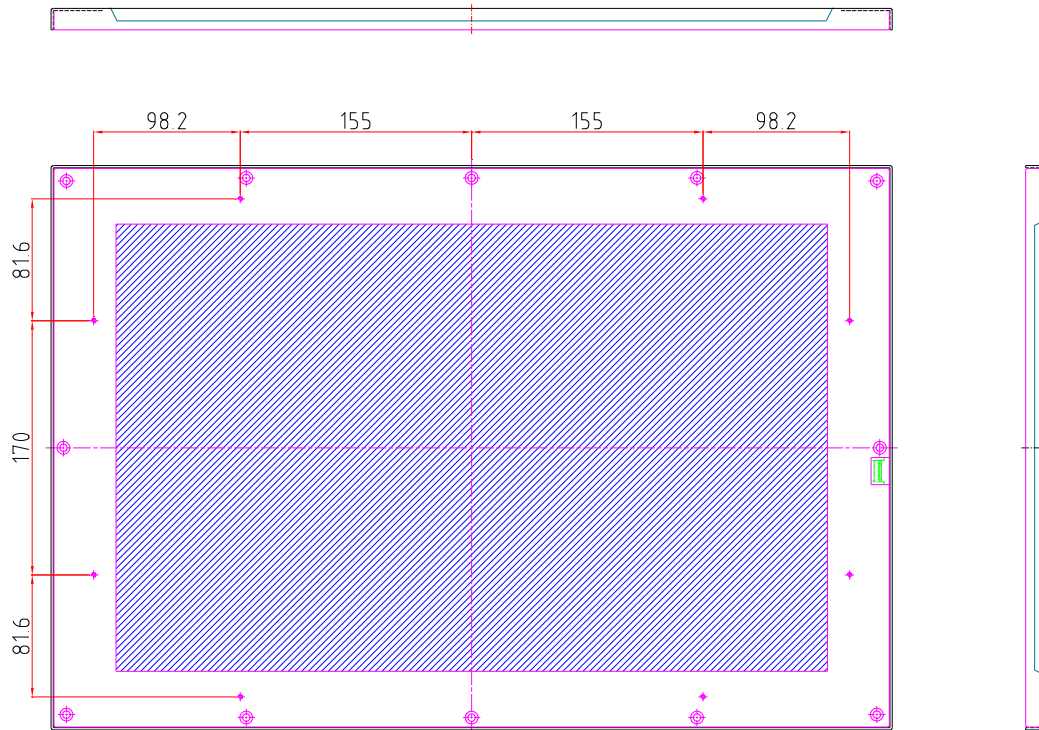
4. Dimension & View

4.1 Front View




(22"IR-TOUCH : FRONT-VIEW)

4.2 Rear View



(22"IR-TOUCH : REAR-VIEW)

 iviewkorea	DOC. NO.	RD- TM220I5XUA -H-001	REV.	PAGE	DATE
		TM220I5XUA	01	7 OF 7	2011.09.28

5. Warranty

This product manufactured to this specification should be capable of meeting all characteristics for 12 Months from the delivery date of Hwayoung Systems Co., Ltd. when stored and used as specified in this document.

Use of this product outside the specified criteria herein will negate the 12 Months warranty

The damages (defaults) described below are NOT covered under the warranty.

- User fault through lack of care.
- User fault through intentional dismantle or attempted repair.
- Damage caused by natural disaster. (Fire, Flood, Earthquake, Lightening, etc.)
- Replacement of any parts.