



PC-TFT-104

Features

- RoHS Compliant
- Used for AND-TFT-LCD displays
- Input power: +12V DC
- Input Source: VGA (640 x 480) & NTSC Composite
- Operating Temperature: 0 °C ~ 60 °C
- Storage Temperature: -20 °C ~ 70 °C

PC-TFT-104 has universal LVDS interface for 5.6", 8.4", 10.4" and 12.1" displays. All these displays are well suitable for security systems, video games, door phones, video phones and portable TVs as well as industrial display applications.

Electrical Characteristics

Symbol	I/O	Conditions	Min.	Typ.	Max.	Unit
V_{IN}	I	DC (+)	10	12	14	V
I_{IN}		DC (+12V)	1.02	1.05	1.08	A
P_{IN}			12.24	12.60	12.96	W

CON 1: External Signal Input Terminal (14 pin) - MOLEX 53261-1471 or Compatible

Pin No.	Symbol	I/O	Conditions
1	Vin	Input	Vin
2	GND	Input	Ground
3	GND	Input	Ground
4	AV1	Input	Composite Video 1
5	NC	Input	No Connect
6	AV2	Input	Compiste Video 2
7	GND	Input	Ground
8	R	Input	VGA Red Signal Input
9	G	Input	VGA Green Signal Input
10	B	Input	VGA Blue Signal Input
11	GND	Input	Ground
12	H-SYNC	Input	HSYNC Input for VGA
13	V-SYNC	Input	VSYNC Input for VGA
14	GND	Input	Ground

Product specifications contained herein may be changed without prior notice. It is therefore advisable to contact Purdy Electronics before proceeding with the design of equipment incorporating this product.

**CON2: Connector for Keypad (10 pin) - Type: MOLEX 53261-1071 or Compatible**

Pin	Definition	Pin	Description	Pin	Description
1	LED-RED	5	+3.3 V	9	UP
2	LED-GREEN	6	POWER	10	ENTER
3	SENSOR	7	MENU		
4	GND	8	DOWN		

CON4: Connector for LCD Module (LVDS/34 pin) - Type: MOLEX 87758-34 or Compatible

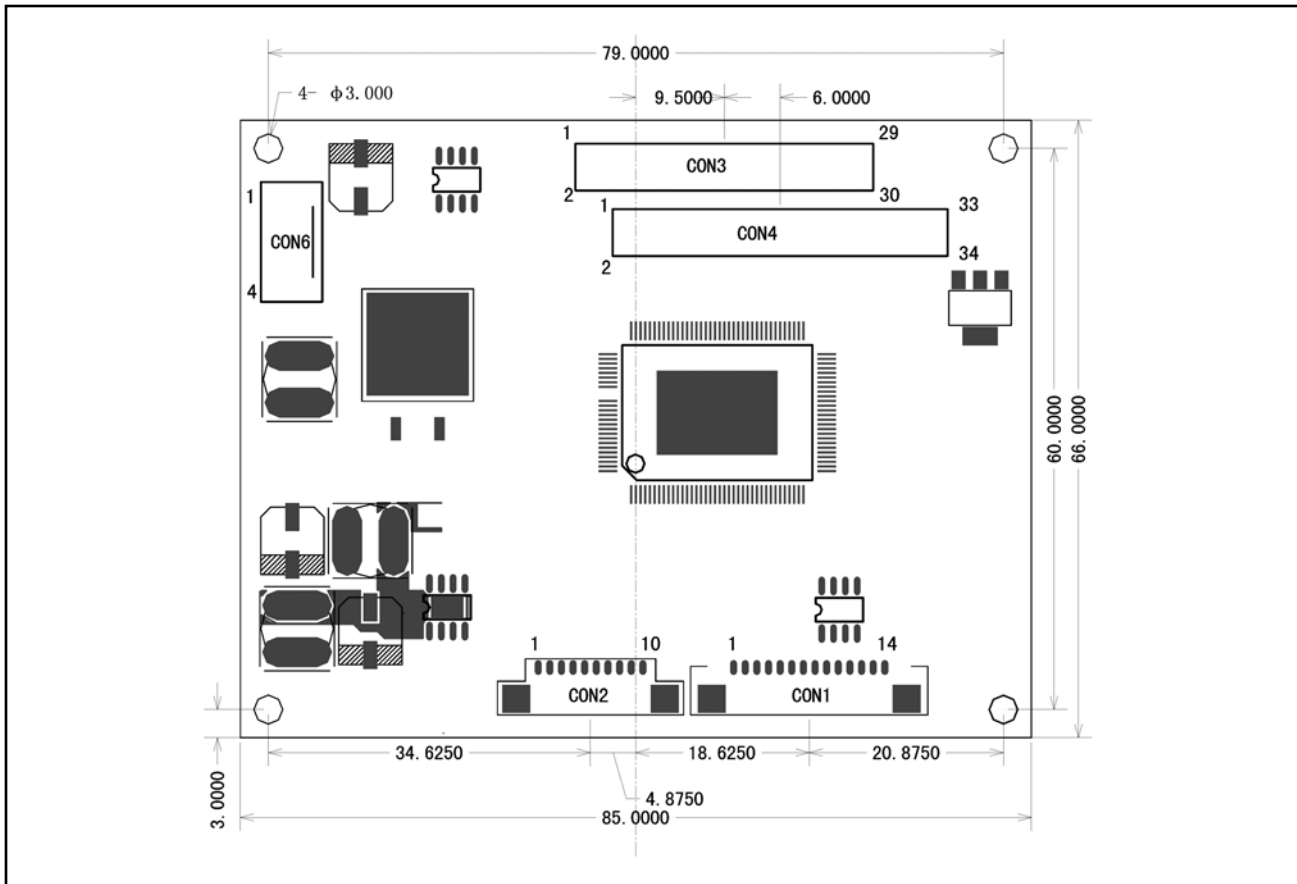
Pin	Symbol	Description	Pin	Symbol	Description
1	IN0-	LVDS Transceiver Signal Channel 0	18	NC	No Connection
2	IN0+	LVDS Transceiver Signal Channel 0	19	NC	No Connection
3	IN1-	LVDS Transceiver Signal Channel 1	20	NC	No Connection
4	IN1+	LVDS Transceiver Signal Channel 1	21	NC	No Connection
5	IN2-	LVDS Transceiver Signal Channel 2	22	NC	No Connection
6	IN2+	LVDS Transceiver Signal Channel 2	23	NC	No Connection
7	GND	Ground	24	GND	Ground
8	CLK-	LVDS Transceiver Signal Clock	25	GND	Ground
9	CLK+	LVDS Transceiver Signal Clock	26	GND	Ground
10	NC	No Connection	27	GND	Ground
11	NC	No Connection	28	VCC	+3.3V Power Supply
12	NC	No Connection	29	VCC	+3.3V Power Supply
13	NC	No Connection	30	VCC	+3.3V Power Supply
14	GND	Ground	31	VCC	+3.3V Power Supply
15	NC	No Connection	32	VCC	+3.3V Power Supply
16	NC	No Connection	33	NC	No Connection
17	GND	Ground	34	NC	No Connection

CON6: Connector for LCD Backlight Driver Board (4 pin) - Type: JST B4B-XH-A or Compatible

Pin	Definition	Pin	Description	Pin	Description	Pin	Definition
1	+12V	2	GND	3	ON/OFF*	4	NC

* Backlight control switch (ON: 5V, OFF: 0V)

Outline Dimension



Description:

Outline: 85.0 x 66.0 x 10.1 mm

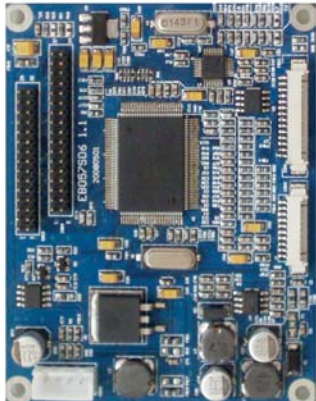








Top Layer Height (Max): 7.0 mm

Bottom Layer Height (Max): 1.9 mm

Board Thickness: 1.2 mm

Screws: ϕ 3.0 mm x 4

Outline Dimension

A	DRIVER BOARD		Cable for DEMO KIT	Panel Cable	B/L DRIVER BOARD	B/L D/B Cable
				 Note2		
B ^{Note1}	DEMO KIT	KEYBOARD	Cable for KEYBOARD		Remote Control	
						

Note1: The parts in Column B are optional.

Note2: There is a white dot on the panel cable to indicate Pin1, and this pin is connected to Pin1 of Driver Board. See following picture:



White dot