

Product Specification

LVDS / TTL Panel

TFT-LCD Driver Board

FOR APPROVAL

MODEL NO.: AT26KU-V2.0

PCB NO.: AT26KU-V2.0

Customer's Approval

Customer:	
Date:	
By:	

Confirmed By	Prepared By	Manufacture NO	
		Version	1.0
		Total Pages	11
		Date	2010.05

Features

- Support AV Video input
- Support TV Video input
- Support S-Video input
- Support HD components (YPbPr) input
- Support VGA (Analog RGB) D-Sub input
- Support Optional audio input and amplified output
- Support both LVDS and TTL interface panels with pixels
640x480~1920x1680

Mechanical Specification

Board Dimension

Dimension	Specification	Unit
Length	140.0	mm
Width	80.0	mm
Thickness	15.0	mm

Video Input Signal

Video-Composite signal 1.0 Vp-p 75Ω

Operating Temperature

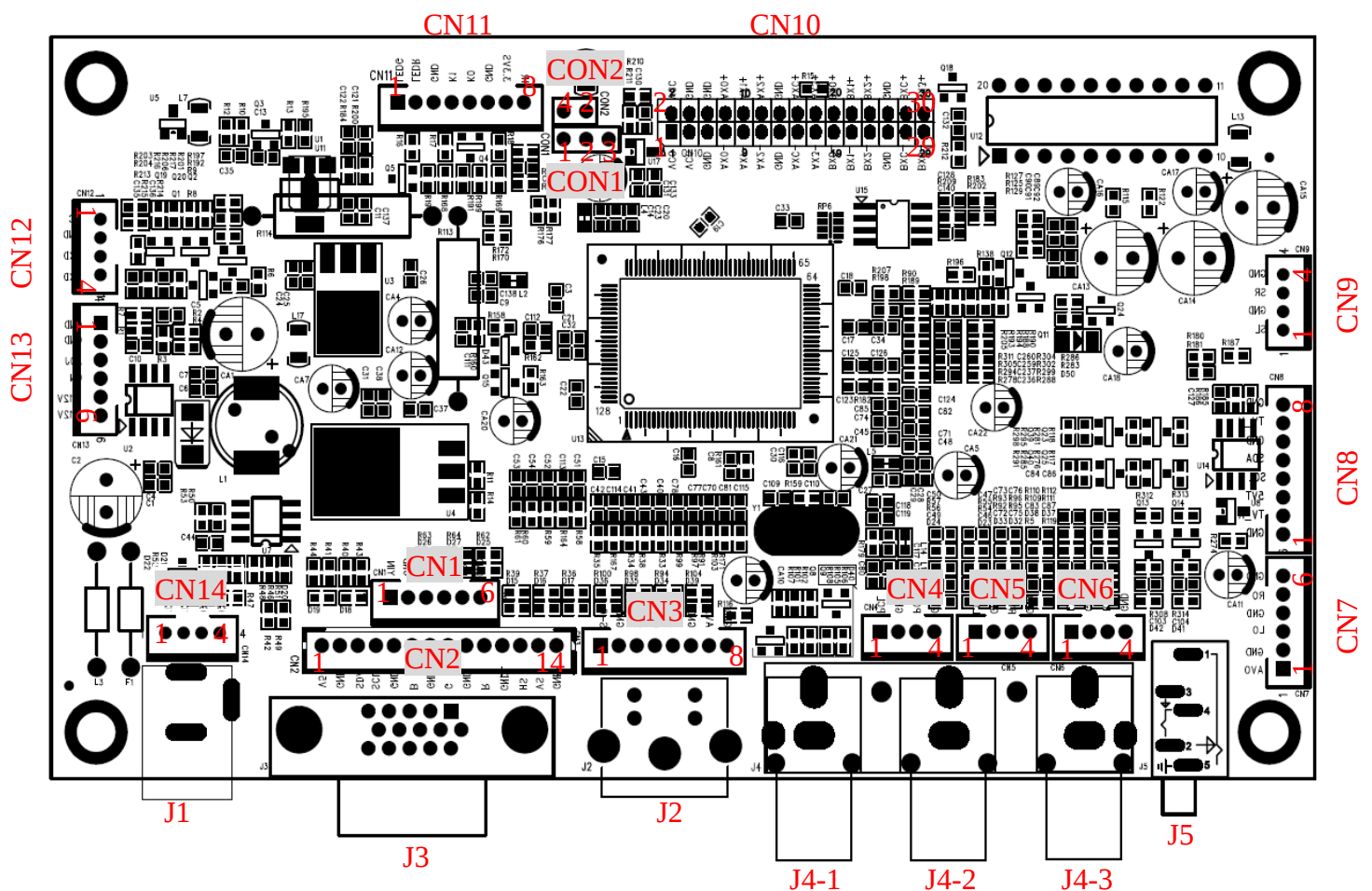
0°C ~ 70°C

Electrical Characteristics

Item	Symbol	Condition	Min	Typ	Max	Unit	Remark
Supply Voltage	Vcc	GND = 0		12		V	
Supply Current	Icc	Vcc = 12		< 800		mA	

Driver Board Specification

Terminal Drawing



CN1	Component Video Input	
PIN	Connection	Description
1	Y	Luma (brightness)(Green Cable)
2	GND	Ground
3	Pb	Difference between blue and Luma(Blue Cable)
4	GND	Ground
5	Pr	Difference between Red and Luma(Red Cable)
6	GND	Ground

CN2	VGA Input	
PIN	Connection	Description
1	5V	Voltage Output 5V
2	GND	Ground
3	SDA	I I2C Data
4	SCL	2C Clock
5	GND	Ground
6	B+	Blue Component Input
7	GND	Ground
8	G+	Green Component Input
9	GND	Ground
10	R+	Red Component Input
11	GND	Ground
12	HS	Horizontal Synchronization
13	VS	Vertical Synchronization
14	GND	Ground

CN3	S-Video / Video	
PIN	Connection	Description
1	SV-C	S-Video C Signal Input
2	GND	Ground
3	SV-Y	S-Video Y Signal Input
4	GND	Ground
5	AV1-V	AV1 Video Input
6	GND	Ground
7	AV2-V	AV2 Video Input
8	GND	Ground

CN4	PC Audio Input	
PIN	Connection	Description
1	PC-L	PC Left Audio Input
2	GND	Ground
3	PC-R	PC Right Audio Input
4	GND	Ground

CN5	AV1 Audio Input	
PIN	Connection	Description
1	AV1-L	AV1 Left Audio Input
2	GND	Ground
3	AV1- R	AV1 Right Audio Input
4	GND	Ground

CN6	Component Audio Input	
PIN	Connection	Description
1	Component-L	Component Left Audio Input
2	GND	Ground
3	Component- R	Component Right Audio Input
4	GND	Ground

CN7	AV/ Audio Output	
PIN	Connection	Description
1	AV0	AV0 Video Output
2	GND	Ground
3	L0	Left Audio Output
4	GND	Ground
5	R0	Right Audio Output
6	GND	Ground

CN8	(Optional) TV Tuner Interface	
PIN	Connection	Description
1	GND	Ground
2	TV-A	TV Audio Input
3	5VT	5V Voltage Output_TV
4	SCL	I2C Clock
5	SDA	I2C Data
6	GND	Ground
7	TV-V	TV Video Input
8	GND	Ground

CN9	Speakers Output	
PIN	Connection	Description
1	Audio-L	Left Speaker
2	GND	Ground
3	Audio-R	Right Speaker
4	GND	Ground

CN10	LVDS Interface		
PIN	Connection	PIN	Connection
1	LCD-VDD	2	LCD-VDD
3	LCD-VDD	4	GND
5	GND	6	GND
7	RXE0-	8	RXE0+
9	RXE1-	10	RXE1+
11	RXE2-	12	RXE2+
13	GND	14	GND
15	RXEC-	16	RXEC+
17	RXE3-	18	RXE3+
19	RX00-	20	RX00+
21	RX01-	22	RX01+
23	RX02-	24	RX02+
25	GND	26	GND
27	RXOC-	28	RXOC+
29	RX03-	30	RX03+

CN11	Keypad	
PIN	Connection	Description
1	LED-G	LED -Green
2	LED-R	LED -Red
3	GND	Ground
4	K1	Keypad Input 1
5	K0	Keypad Input 0
6	GND	Ground
7	3.3V	3.3V Voltage Output
8	IR	IR Receiver Input

CN12	N.C.	
PIN	Connection	Description
1	N.C.	No Connection
2	N.C.	No Connection
3	N.C.	No Connection
4	N.C.	No Connection

CN13	Inverter / Backlight	
PIN	Connection	Description
1	GND	Ground
2	GND	Ground
3	ADJ	Adjustment
4	ON/OFF	Inverter On/Off control
5	12V	12V Voltage Output
6	12V	12V Voltage Output

CN14	Power Input	
PIN	Connection	Description
1	12V	Power
2	12V	Power
3	GND	Ground
4	GND	Ground

CON1/2	Jump	
PIN	Connection	Description
1-2	3.3V	CON1
2-3	5V	CON1
2-4	12V	CON2

JACK INPUT	
J1- J5	Description
J1	DC 12V Input
J2	S-Video Input
J3	VGA Input -- D-SUB 15 Pin
J4-1	AV Video Input
J4-2	AV Left Audio Input
J4-3	AV Right Audio Input
J5	PC Jack Audio Input

Outline Drawing

