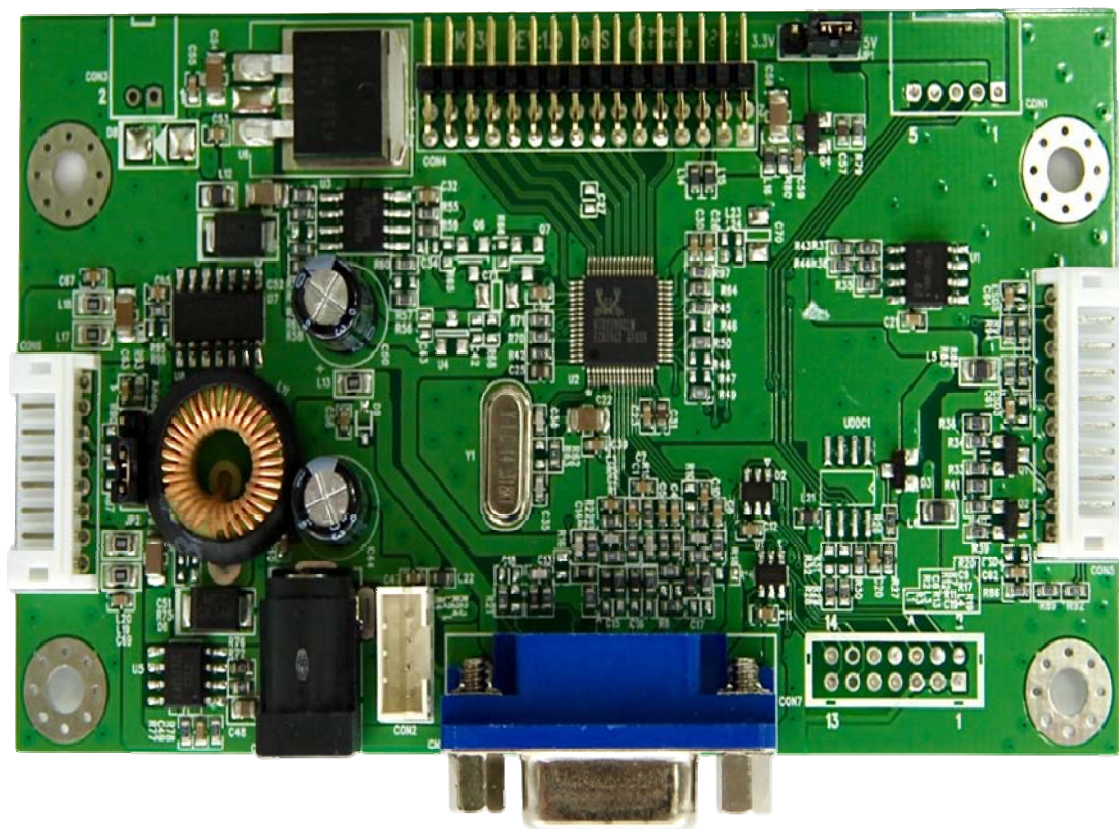


KC36



A/D board option

Mode	Teleview part no.	Description
1	C36--280ND0--	VGA, No audio

Features

- Compatible from VGA up to Full HD resolution(1920x1080) TFT LCD panel.
- Supply single pixel(24bits)or dual pixel(48bits) digital RGB output.
- Support Vertical refresh rate up to 75Hz for VESA Standard Timing
- Support VGA analog standard input signal(15-pin D-Sub connectors).
- Automatic detection of separate Sync.Signal and composite Sync.Signal of VGA.
- RS232 support (option)
- DC 12V input .
- Operating temperature : -10 °C to +60 °C .
- Storage temperature : -20 °C to +70 °C .
- RoHS compliant .

1. Support Timing Table

Mode	Resolution	V Freq.(Hz)
1	640*480	60/75
2	720*400	70
3	800*600	60/75
4	1024*768	60/75
5	1280*720	60
6	1280*1024	60/75
7	1360*768	60
8	1440*900	60
9	1680*1050	60
10	1920*1080	60

2. Connector Description

- Connector List

Connector	Function	Note
CN1	VGA connector	D-15F
CN2	Power connector	ϕ 2.5
CON1	UART Connector	PH 2.0mm.5Pin.180°
CON2	12V input Connector	PH 2.0mm.4Pin.180°
CON3	5V output Connector	PH 2.0mm.2Pin.90°
CON4	Panel connector	PH 2.0 2*16Pin.180°
CON5	Key board connector	PH 2.0mm.10Pin.180°
CON6	Backlight Driver connector	PH 2.0mm.8Pin.180°
JP2	Analog/PWM selector	PH 2.5mm.3Pin.180°
JP1	3.3V/5V selector	PH 2.5mm.3Pin.180°

Pin definition for connector

CON1: UART Connector (2.0 mm 5 Pin DIP)

Pin	Description	Note
1	+5V	+5Vdc
2	Reserved	ADC Light Sensor option
3	Tx	UART TX
4	Rx	UART RX
5	GND	Ground

CON2: 12V input Connector (2.0 mm 4Pin DIP)

Pin	Description	Note
1,4	+12V	Power supply of +12Vdc
2,3	GND	Ground

CON3: 5V output Connector (2.0 mm 2Pin DIP)

Pin	Description	Note
1	+5V	+5Vdc
2	GND	Ground

CON4: Panel Connector (2.0 mm 32 Pin DIP)

Pin	Name	
1,2,3,4	VDD	Power supply for panel
5,6,7,8	GND	Ground
9	RXEIN3-	EvenTx3- Data Pin
10	RXEIN3+	EvenTx3+ Data Pin
11	RXECLKIN-	EvenTx- Clock Pin
12	RXECLKIN+	EvenTx+ Clock Pin
13	RXEIN2-	EvenTx2- Data Pin
14	RXEIN2+	EvenTx2+ Data Pin
15	RXEIN1-	EvenTx1- Data Pin
16	RXEIN1+	EvenTx1+ Data Pin
17	RXEIN0-	EvenTx0- Data Pin
18	RXEIN0+	EvenTx0+ Data Pin
19,20	GND	Ground
21	RXOIN3-	OddTx3- Data Pin
22	RXOIN3+	OddTx3+ Data Pin
23	RXOCLKIN-	OddTx- Clock Pin
24	RXOCLKIN+	OddTx+ Clock Pin
25	RXOIN2-	OddTx2- Data Pin
26	RXOIN2+	OddTx2+ Data Pin
27	RXOIN1-	OddTx1- Data Pin
28	RXOIN1+	OddTx1+ Data Pin
29	RXOIN0-	OddTx0- Data Pin
30	RXOIN0+	OddTx0+ Data Pin
31,32	GND	Ground

CON5:Key Board Connector(2.0 mm 10 Pin DIP)

Pin	Function	Note
1	POWER	Power ON/OFF
2	G-LED	Green LED (Power ON)
3	R-LED	Red LED (Power saving)
4	GND	Ground
5	MENU	Enter the main menu
6	SEL+(RIGHT)	Increase the value
7	SEL-(LEFT)	Decrease the value
8	AUTO/EXIT	Menu Exit or VGA Auto adjusts
9	N.C.	Not connect
10	N.C.	Not connect

CON6: Inverter Connector (2.0 mm 8Pin DIP)

Pin	Function	Note
1,2	12V Input	Power supply of +12Vdc
4,6	GND	Ground
3	Brightness control	DC 0V(Max) -5V(Min) or PWM
5	ON/OFF Control	5V ON;0V OFF
7,8	5V Input/Output	+5Vdc

Note : 2.0mm 5 pin connector(Pin1~5) is used for standard 12V input
And stand alone Inverter .

2.0mm 3 pin connector (Pin6~8) is used for 2-in-1 power supply
with 5V input .

JP2: Analog/PWM selector (2.5 mm 3Pin DIP)

Pin	Description	Note
1 - 2	PWM	Inverter PWM Control
2 - 3	Analog	Inverter DC Level Control

JP1: Panel B+ 3.3V / 5V selector (2.5 mm 3Pin DIP)

Pin	Description	Note
1 - 2	5V	Power supply of +5Vdc
2 - 3	3.3V	Power supply of +3.3Vdc

Board Dimension :105mm*57mm

Screw holes*4:3.5mm

