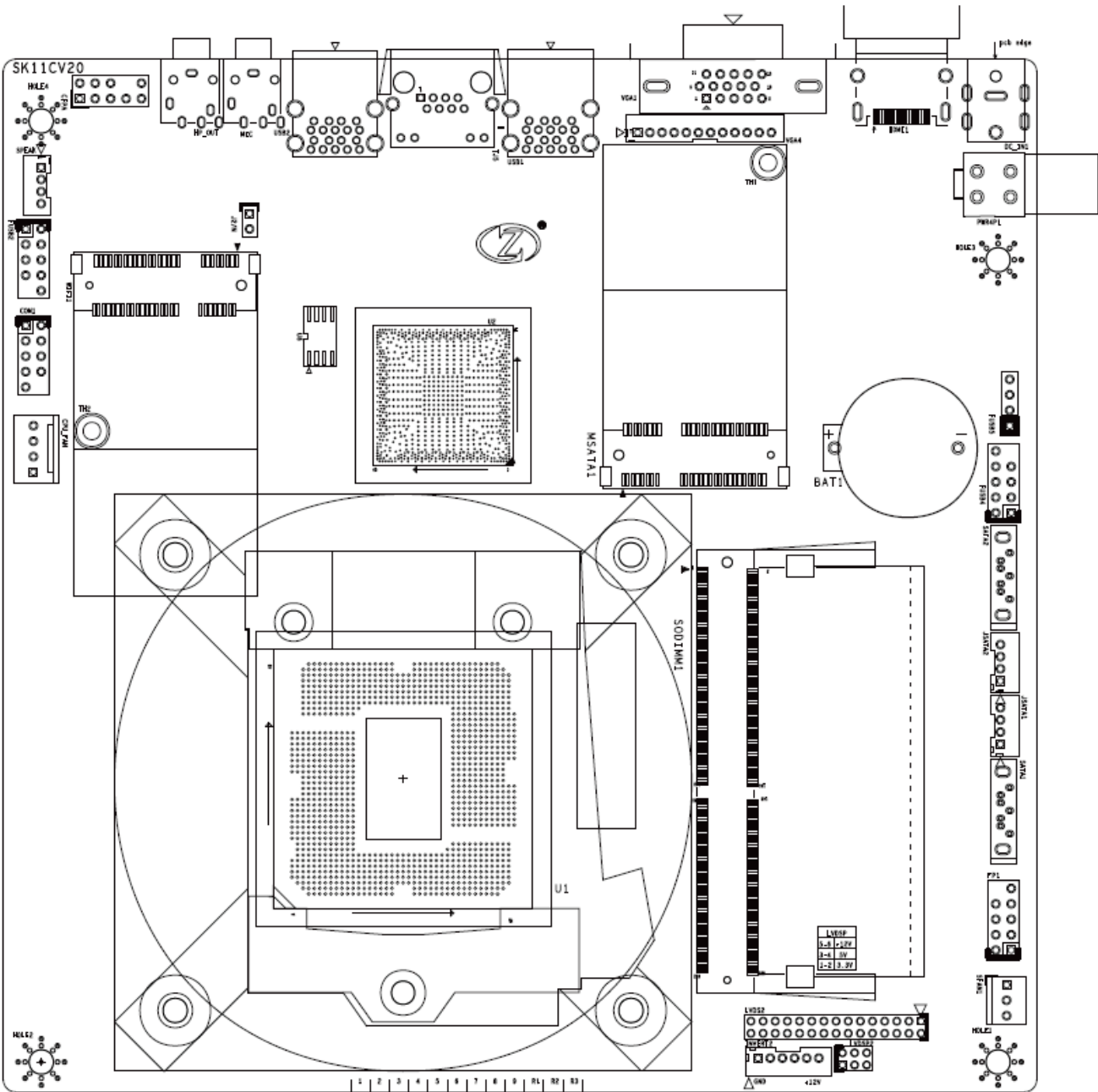


ZA-SK1AC1+HO Motherboard

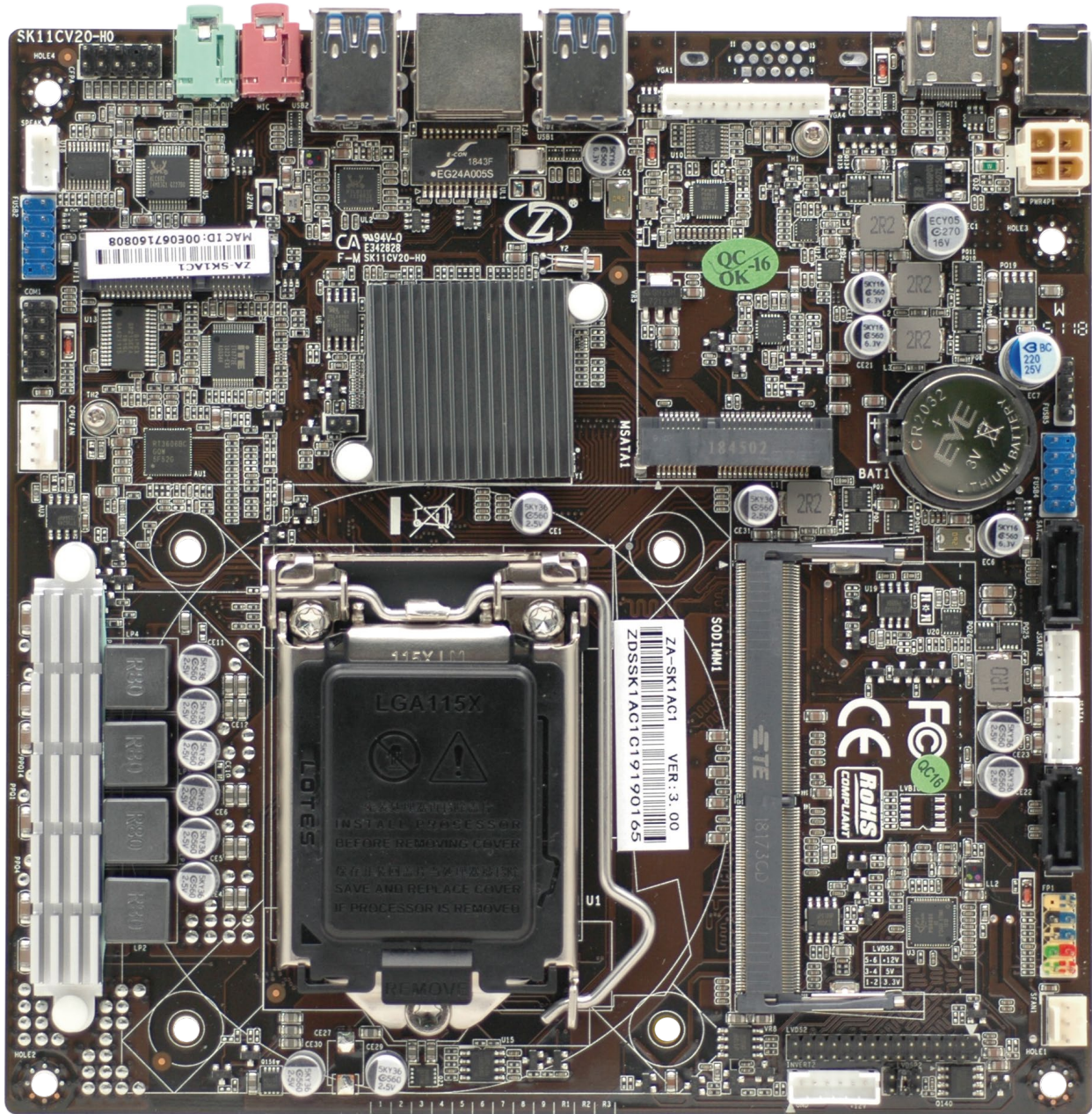
User Manual

Intel[®] Corei7/Corei5/Corei3 Pentium Processor

ZA-SK1AC1+HO Motherboard Configuration Diagram



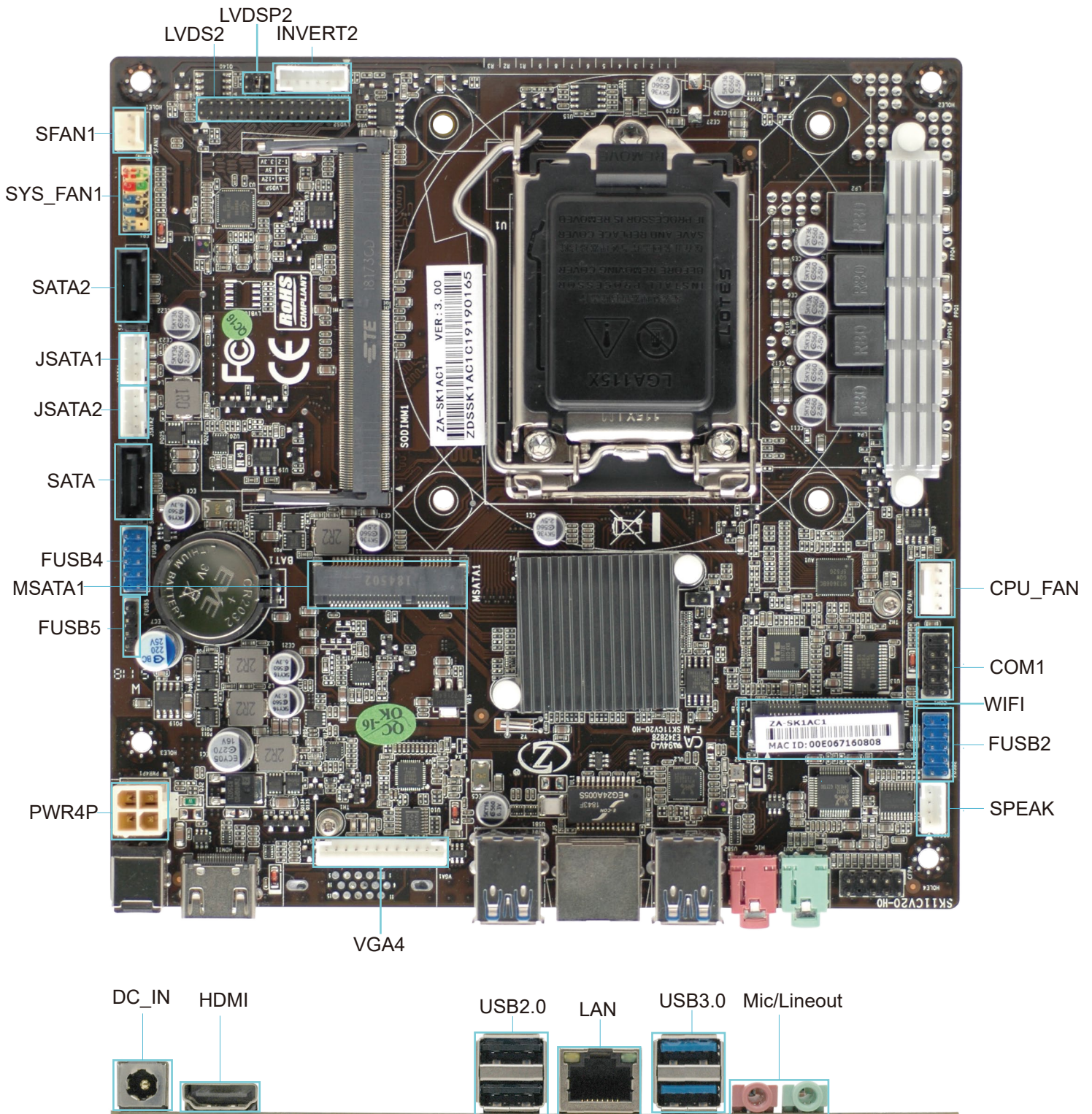
ZA-SK1AC1+HO Motherboard Diagram



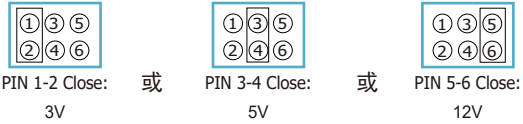
Motherboard Specification

Size	170mm x 170mm
CPU	Support Intel 6th/7th Core i7 i5 i3 Processor
Graphics	Intel® HD Graphics
Chipset	H110
Memory	2*DDR4 2133MHz,Up to 16GB
Internal I/O	3*USB2.0 Pin 5*USB Port 1* CPU Fan 1*SYS Fan 1*LVDS Pin(support dual Channel 8Bit) 1*2x2PIN Power Socket 1*LCD Inverter 1*LCD Backlight port Control 1*VGA Pin 1*COM 2*SATA 2*JSATA 1*Front panel Pin 1*Audio Pin Port (2W/CH)
Rear I/O	1* DC Power Input (12V~19V) 1*HDMI 1* VGA 2*USB2.0 2*USB3.0 1*LAN 1* Mic-in/Line-out
BIOS AMI	AMIBIOS,64M bit Flash Memory
MINI_PCIE	1*Support Msata 1*Support 3G WiFi
SATA	2*SATA
LAN	1*Realtek 8111E,10/100/1000
Audio	ALC662 Dual Channel Output
Operating System	Windows7 Windows8 Windows10 Linux
H/W Monitoring	System Power Management Temperature Management Voltage Management
Humidity	0% ~ 95% (Relative Humidity,No Condensation)
Temp	-10°C ~ 55°C

ZA-SK1AC1+HO Motherboard Diagram

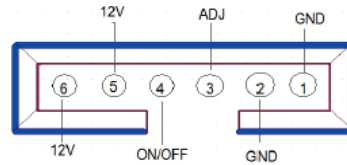


LVDS1



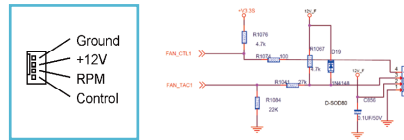
接脚	接脚定义	接脚	接脚定义
1	LCDVDD	2	LCDVDD
3	LCDVDD	4	GND
5	GND	6	GND
7	LVDSA_DATA0N	8	LVDSA_DATA0P
9	LVDSA_DATA1N	10	LVDSA_DATA1P
11	LVDSA_DATA2N	12	LVDSA_DATA2P
13	GND	14	GND
15	LVDSA_CLKN	16	LVDSA_CLKP
17	LVDSA_DATA3N	18	LVDSA_DATA3P
19	LVDSB_TX0N	20	LVDSB_TX0P
21	LVDSB_TX1N	22	LVDSB_TX1P
23	LVDSB_TX2N	24	LVDSB_TX2P
25	GND	26	GND
27	LVDSB_CLKN	28	LVDSB_CLKP
29	LVDSB_TX3N	30	LVDSB_TX3P

INVERT



Pin	Define	Pin	Define
1	GND	2	GND
3	ON/OFF	4	ADJ
5	12V	6	12V

CPU_FUN



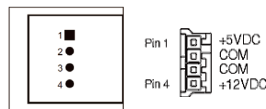
Note: these fan connectors are not jumpers, and the jumper cap is placed above the head.

CMOS_BT1



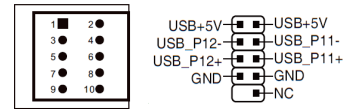
CMOS_BT1

FUSB5
FUSB3,4



F_USB5

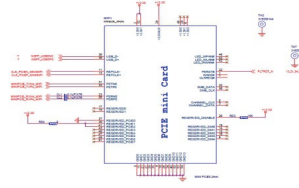
Pin	Define
1	VCC
2	DATA 0-
3	DATA 0+
4	GND



F_USB3,4

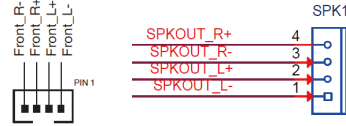
Pin	Define	Pin	Define
1	VCC	2	VCC
3	DATA 0-	4	DATA1-
5	DATA0+	6	DATA1+
7	GND	8	GND
9	NC(CUT)	10	GND

WIFI



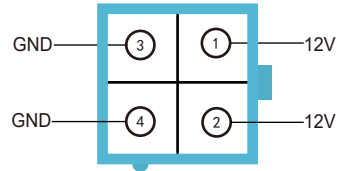
Note: when installing this card, please insert the card at an Angle of 30 degrees, then press down to the stud and fix it with screws .

SPEAK



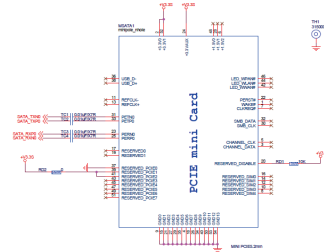
Pin	Define	Pin	Define
1	SPKOUT_L-	2	SPKOUT_L+
3	SPKOUT_R-	4	SPKOUT_R+

PWR4P

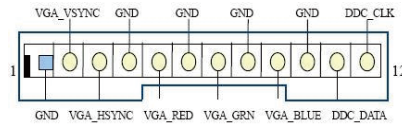


接脚	接脚定义	接脚	接脚定义
1	12V	2	12V
3	GND	4	GND

MSATA

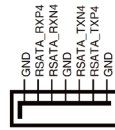


VGA

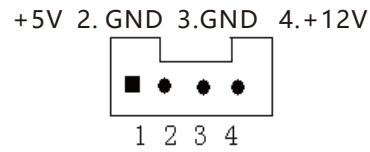


Pin	Define	Pin	Define
1	GND	2	VGA_VSYNC
3	VGA_HSYNC	4	GND
5	VGA_RED	6	GND
7	VGA_GRN	8	GND
9	VGA_BULE	10	GND
11	DDC_DATA	12	DDC_CLK

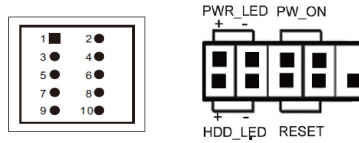
SATA



JSATA



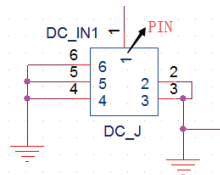
FP1



Pin	Define	Pin	Define
1	HDD LED+	2	PWR LED+
3	HDD LED-	4	GND
5	GND	6	P_SWIN
7	RESET_GND	8	GND
9	GND		

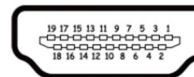
HDD Actiue LED:1,3 Power Button:6,8
Power LED:2,4 Reset Button:5,7

12/19VDC

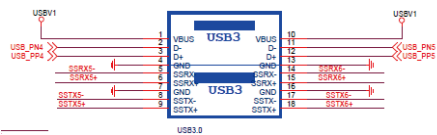
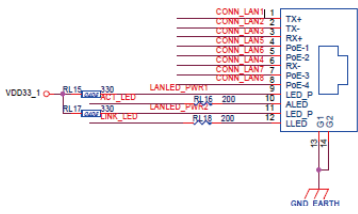
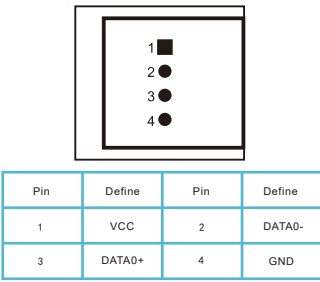
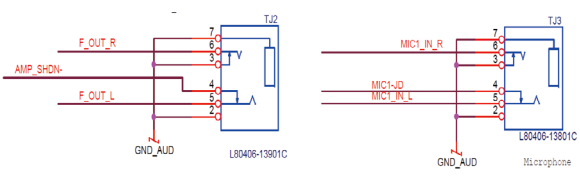


Pin	Define	Pin	Define
1	DC_IN	2	DC_J
3	GND	4	GND
5	GND	6	GND
7	GND	8	GND
9	GND		

HDMI



Pin	Define	Pin	Define
1	TMDS data 2+	2	TMDS data shield
3	TMDS data 2-	4	TMDS data 1+
5	TMDS data shield	6	TMDS data 2-
7	TMDS data 0+	8	TMDS data shield
9	TMDS data 0-	10	TMDS clock+
11	TMDS clock shield	12	TMDS clock-
13	CEC	14	No connectde
15	DDC clock	16	DDC data
17	Groud	18	+5V power
19	Hot plug detect		

<p>USB3.0</p>													
<p>RJ45</p>													
<p>USB2.0</p>	 <table border="1" data-bbox="853 840 1173 952"> <thead> <tr> <th>Pin</th> <th>Define</th> <th>Pin</th> <th>Define</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>VCC</td> <td>2</td> <td>DATA0-</td> </tr> <tr> <td>3</td> <td>DATA0+</td> <td>4</td> <td>GND</td> </tr> </tbody> </table>	Pin	Define	Pin	Define	1	VCC	2	DATA0-	3	DATA0+	4	GND
Pin	Define	Pin	Define										
1	VCC	2	DATA0-										
3	DATA0+	4	GND										
<p>MICIN/LINEOUT</p>													

*Other Matters Please consult the sales.