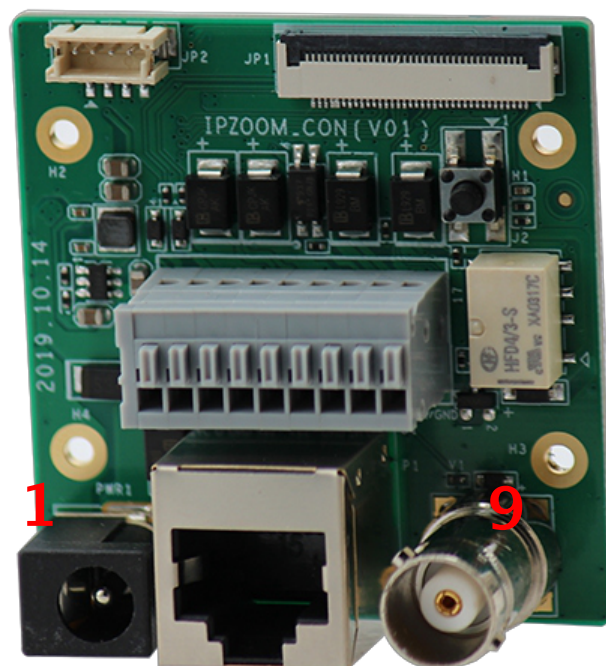
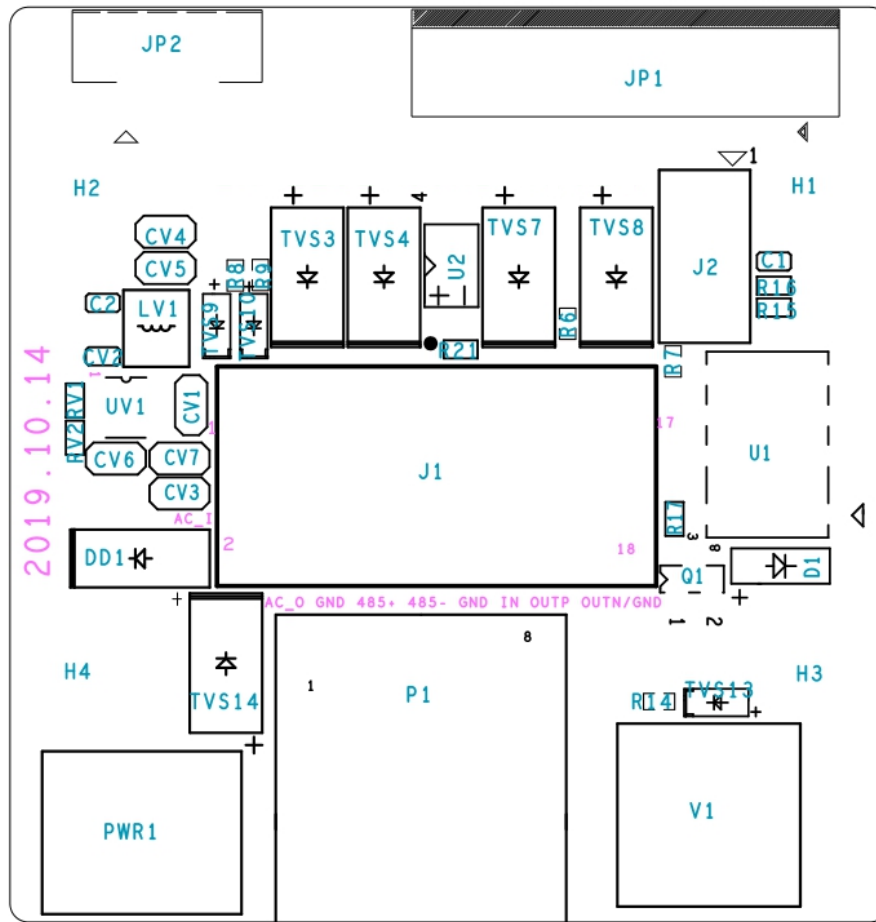




Type	Pin Sequence	Pin Name	Description
PWR1 : Power Interface			DC12V power input
J1 – Audio Source, Alarm I/O, RS485 Port	1	LINEIN	Audio input signal
	2	LINEOUT	Audio output signal
	3	GND	Power ground
	4	RS-485+	RS-485 A line
	5	RS-485–	RS-485 B line
	6	GND	Power ground
	7	ALARM_IN	Digital alarm input (level-triggered)
	8	ALARM_OUTP	Digital alarm output (active high)
	9	ALARM_OUTN	Digital alarm output (active low)
JP2 – UART Port	1	3.3V	3.3V power output
	2	RXD	UART receive (3.3V logic, VISCA protocol)
	3	TXD	UART transmit (3.3V logic, VISCA protocol)
	4	GND	Power ground
PI – RJ45 Network Port	1	TX+	Ethernet TX+ (differential pair)
	2	TX –	Ethernet TX– (differential pair)
	3	RX+	Ethernet RX+ (differential pair)
	4	NC	/
	5	NC	/
	6	RX–	Ethernet RX– (differential pair)
	7	NC	/
	8	NC	/
VLC – CVBS Coaxial Output			Analog composite video output
JP13 – Camera Core Interface	1	DC12V	DC12V power input
	2	DC12V	DC12V power input
	3	DC12V	DC12V power input
	4	GND	Power ground
	5	GND	Power ground
	6	CVBS	Analog video output
	7	GND	Power ground
	8	LINE_OUT	Audio line output
	9	GND	Power ground
	10	LINE_IN	Audio line input
	11		/
	12	TPTX+	Ethernet TX+ (differential pair)
	13	TPTX–	Ethernet TX– (differential pair)
	14	TPRX+	Ethernet RX+ (differential pair)

	15	TPRX-	Ethernet RX- (differential pair)
	16		
	17	LINK#	Network link status LED indicator
	18	ACT#	Network activity LED indicator
	19	ALARM_OUT	Alarm output (digital)
	20	ALARM_IN	Alarm input (digital)
	21	GND	Power ground
	22	SD_EN	SD card power enable
	23		/
	24		/
	25	SD_CLK	SD card clock line
	26	SD_CMD	SD card command line
	27	SD_DATA3	SD card data line 3
	28	SD_DATA2	SD card data line 2
	29	SD_DATA1	SD card data line 1
	30	SD_DATA0	SD card data line 0
	31	GND	Power ground
	32	RS485-	RS-485 A line
	33	RS485+	RS-485 B line
	34	232_TX	Serial port transmit (UART/TTL)
	35	232_RX	Serial port receive (UART/TTL)
	36	RSET	External button reset signal input (active low)