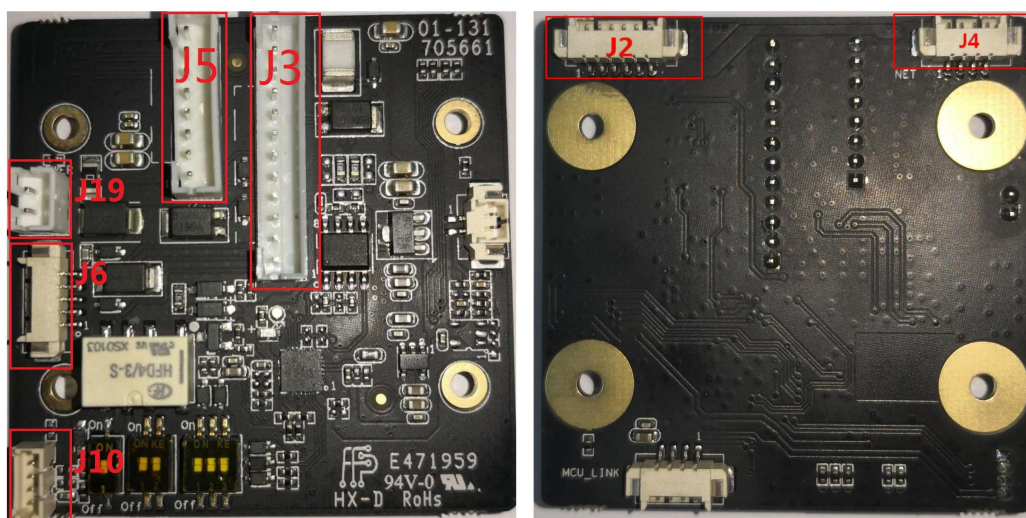


SG-AB102

Alarm Board for Network Zoom Camera Modules (Convert TTL232 to RS485)



1. Description

Alarm board is specially designed for Savgood Network Zoom Camera modules. It can convert camera's TTL232 interface to RS485 interface, and set alarm board's baudrate.

2. Main Features

- > Alarm In/Out.
- > Audio In/Out.
- > Support RS485, TTL232.
- > Support to set baudrate of RS485

3. Interface Definition

Type	PIN Number	PIN Name	Description
J2 (Block Camera Interface)	1	UART1_TX	Camera Control Series Port TX
	2	UART1_RX	Camera Control Series Port RX
	3	UART2_TX	Camera Series Port2 TX
	4	UART2_RX	Camera Series Port2 RX
	5	GND	GND
	6	+12V	DC12V
J6 (Block Camera Interface)	1	CVBS_OUT	CVBS Analog Video Out
	2	GND	GND
	3	AUDIO_IN	Camera Audio In
	4	GND	GND
	5	AUDIO_OUT	Camera Audio Out

J4 (Block Camera Interface)	1	ETHRX-	Network RX-
	2	ETHRX+	Network RX+
	3	ETHTX-	Network TX-
	4	ETHTX+	Network TX+

Notice: J2, J6 and J4, need to connect to Savgood Zoom Camera Module's connectors.

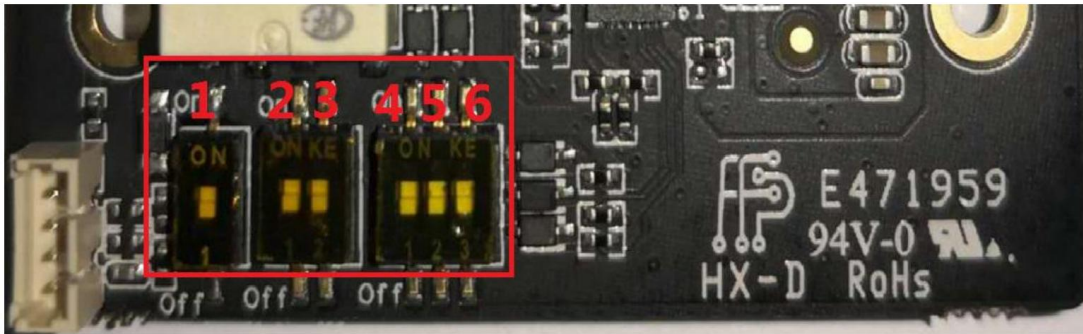
Type	PIN Number	PIN Name	Description
J3	1	AUDIO_IN	Audio In
	2	AUDIO_OUT	Audio Output
	3	GND	GND
	4	ALARM_IN	Alarm In
	5	ALARM_OUT	Alarm Out
	6	ALARM_OUT_TC	Alarm Out
	7	GND	GND
	8	RS485+	PT Control, RS485+, Pelco
	9	RS485-	PT Control, RS485-, Pelco
	10	GND	GND
	11	CVBS_OUT	CVBS Out
	12	GND	GND

Type	PIN Number	PIN Name	Description
J5	1	+12V_IN	DC 12V + In
	2	GND	GND
	3	NC	
	4	NC	
	5	ETHTX+	Network RX-
	6	ETHTX-	Network RX+
	7	ETHRX+	Network TX-
	8	ETHRX-	Network TX+

Type	PIN Number	PIN Name	Description
J19 (Power In)	1	+12V_IN	DC 12V + In
	2	GND	GND

Type	PIN Number	PIN Name	Description
J10 (PT Control Series Port)	1	GND	GND
	2	SD_UART_RX	TTL232 RX, Visca Protocol
	3	SD_UART_TX	TTL232 TX, Visca Protocol
	4	+3.3V	3.3V Out

4. Deep Switch of RS485



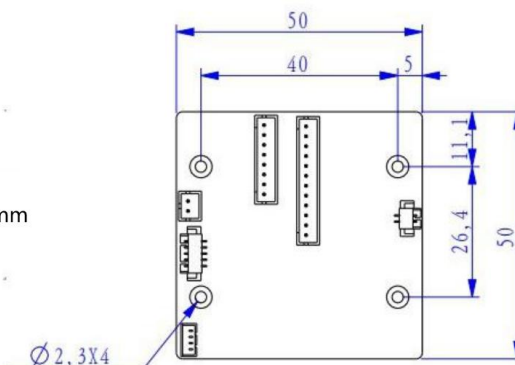
All 1~6 deep switch is turn to OFF by default.

Please check the switch function as below:

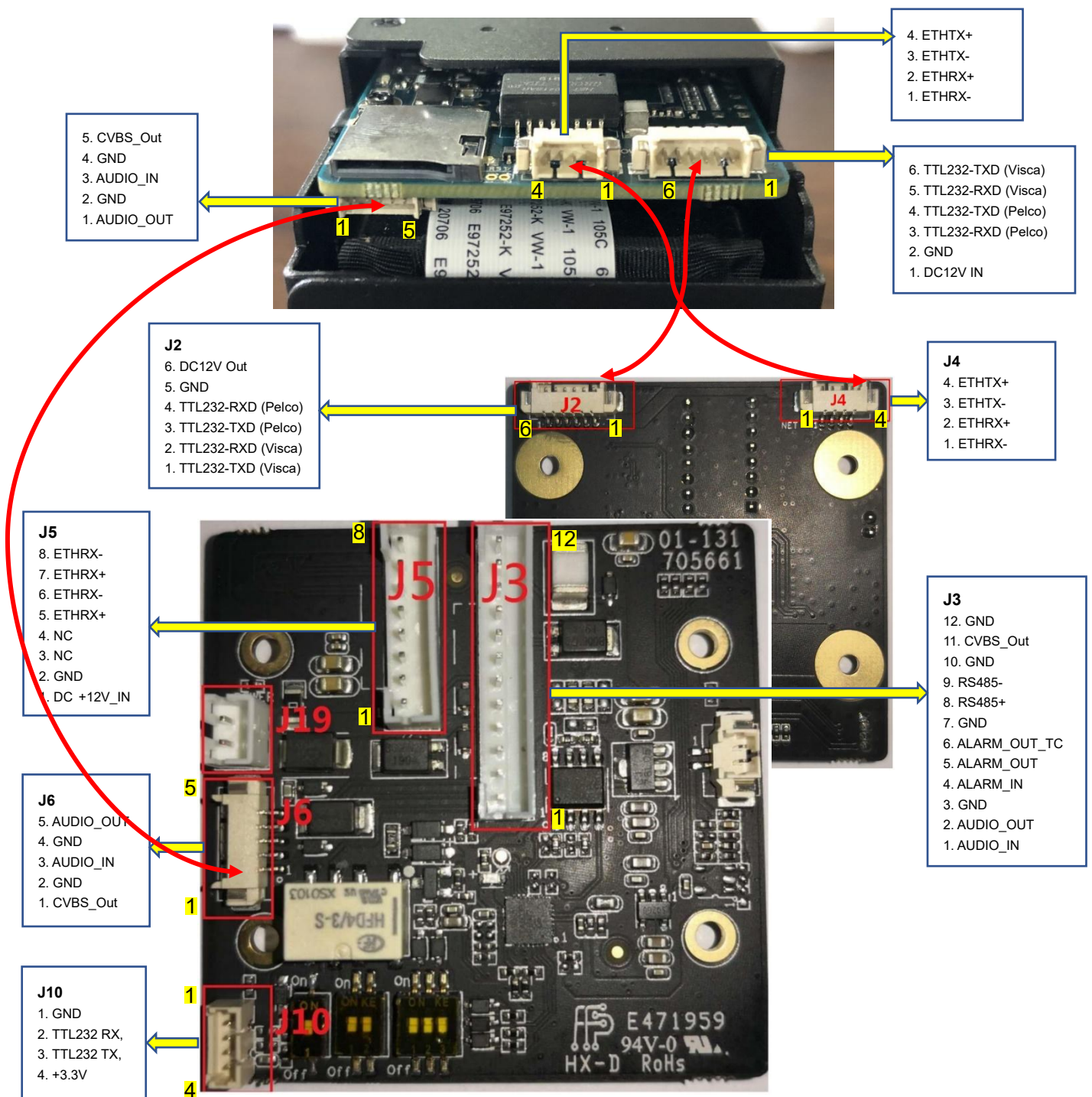
Deep Switch	Function	Description
1	Alarm Out Control Mode	ON: Alarm output control via high and low level(5V). (Alarm with High level, No Alarm with Low level. Match to PIN5 and PIN7 on J3) OFF: Alarm output control by circuit on-off. (Alarm with circuit on, no alarm with circuit off. Match to PIN5 and PIN6 on J3)
2	Reserve	Reserve
3	Disable Alarm In	ON: Don't report alarm in via serial port. (Which means Alarm in is disabled.) OFF: Report alarm in via serial port.
4~6	Set Baudrate of RS485	From left to price match 4, 5, 6: 1 means ON, 0 means OFF. Baudrate list: <000>: 9600 <001>: 2400 <010>: 4800 <011>: 14400 <100>: 19200 <101>: 38400 <110>: 57600 <111>: 11520

5. Dimension

Thickness: 1.6mm±0.05mm



6. Connection Description



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