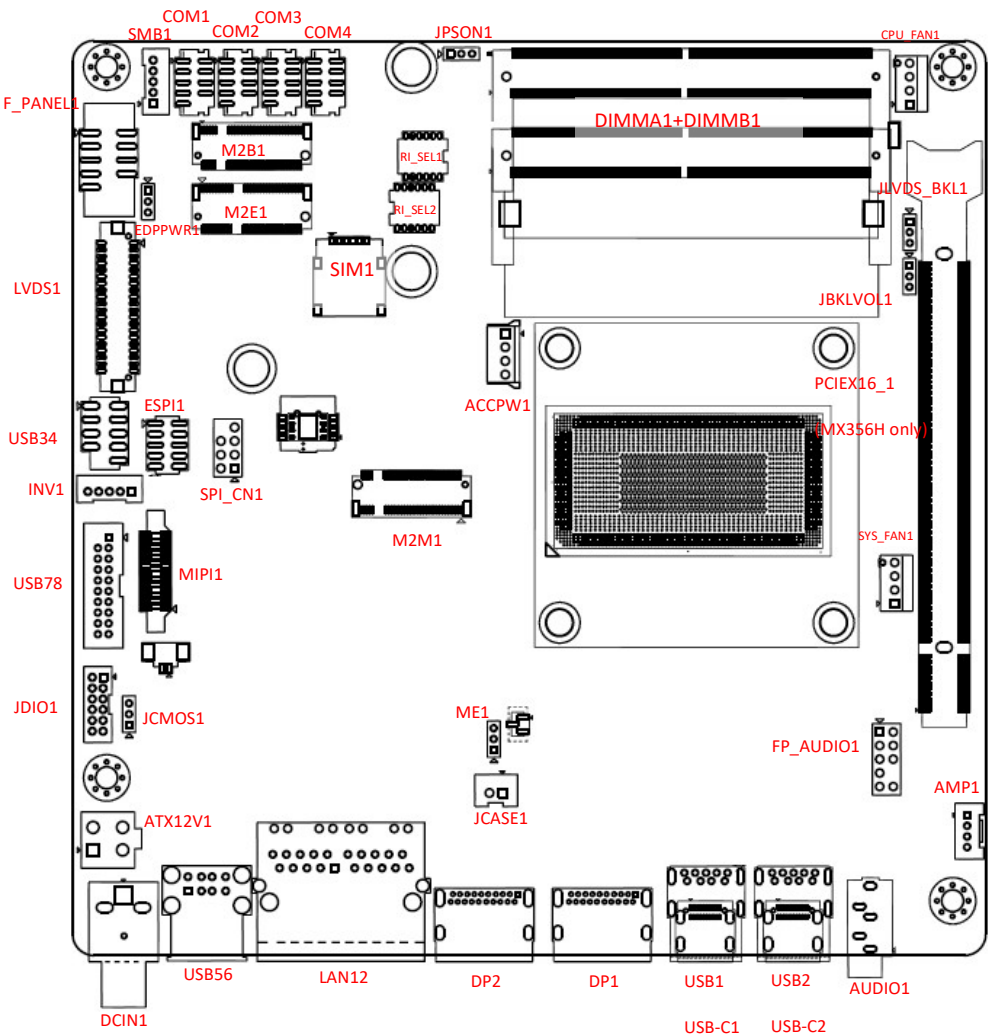
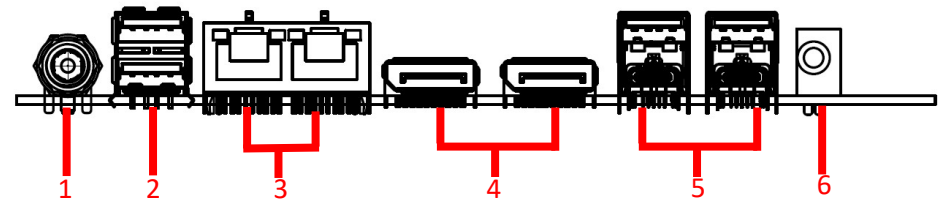


Motherboard Layout:

• Board Layout:



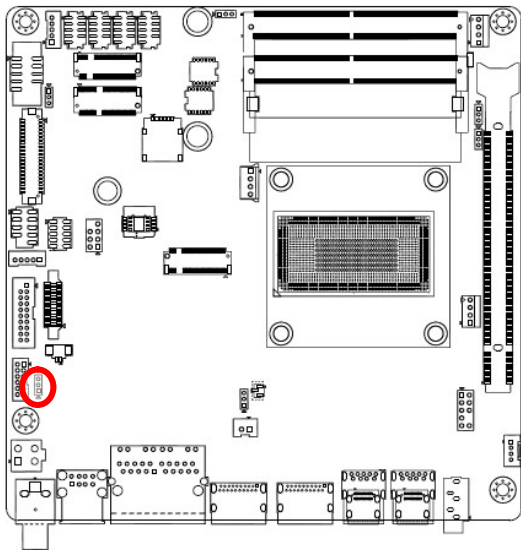
• Rear IO Ports:



Item	Name	Function	Description																				
1	DCIN1	DC-in connector	The connector is for DC-in (12-24V)																				
2	USB56	USB 2.0 Connectors	These two Universal Serial Bus (USB) ports are available for connecting USB 2.0 devices.																				
3	Lan12	2.5G LAN (RJ-45) Connectors	This port allows 2.5G connection to a Local Area Network (LAN) through a network hub. Refer to the table below for the LAN port LED indications. ACT/LINK LED SPEED LED  LAN port <table><thead><tr><th colspan="2">ACT/Link LED</th><th colspan="2">Speed LED</th></tr><tr><th>Status</th><th>Description</th><th>Status</th><th>Description</th></tr></thead><tbody><tr><td>OFF</td><td>No link</td><td>OFF</td><td>10/100Mbps connection</td></tr><tr><td>Yellow</td><td>Linked</td><td>Orange</td><td>1Gbps connection</td></tr><tr><td>Blinking</td><td>Data activity</td><td>Green</td><td>2.5Gbps connection</td></tr></tbody></table>	ACT/Link LED		Speed LED		Status	Description	Status	Description	OFF	No link	OFF	10/100Mbps connection	Yellow	Linked	Orange	1Gbps connection	Blinking	Data activity	Green	2.5Gbps connection
ACT/Link LED		Speed LED																					
Status	Description	Status	Description																				
OFF	No link	OFF	10/100Mbps connection																				
Yellow	Linked	Orange	1Gbps connection																				
Blinking	Data activity	Green	2.5Gbps connection																				
4	DP1+DP2	DP connector	These two ports are Display Port for DP devices.																				
5	USB1+USB-C1/USB2+USB-C2	USB 3.2 Connectors (TypeA+TypeC)	These four Universal Serial Bus (USB) ports are available for connecting USB 3.2 and thunderbolt 4 devices																				
6	AUDIO1	Line-out port (Lime)	This port connects a headphone or a speaker.																				

Jumpers, Connectors, & Headers:

- Clear CMOS Jumper: JCMOS1



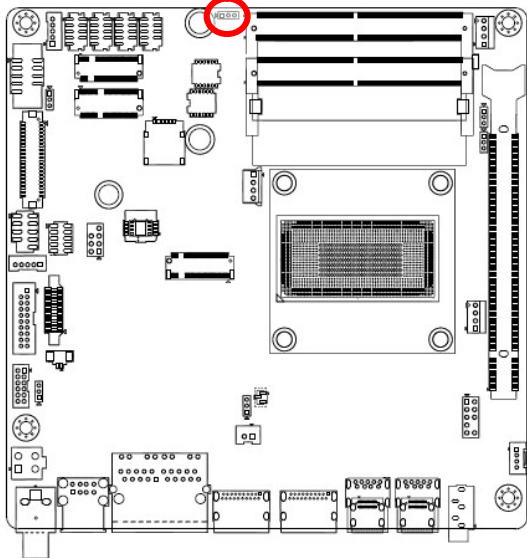
Normal (Default)



Clear CMOS



- ATX/AT Mode Selection: JPSON1



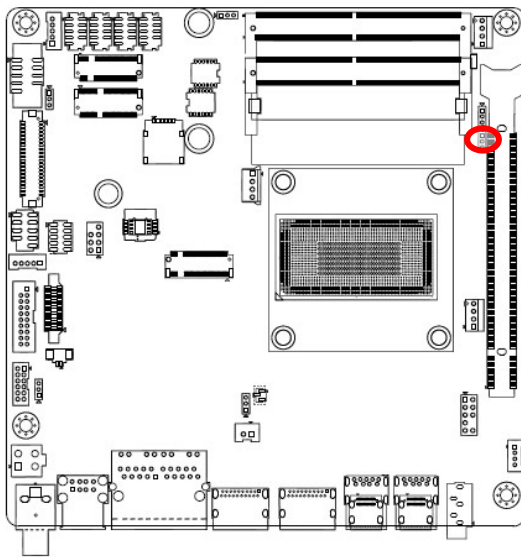
AT mode



ATX mode
(Default)



- LVDS panel voltage Selection: JBKLVOL1



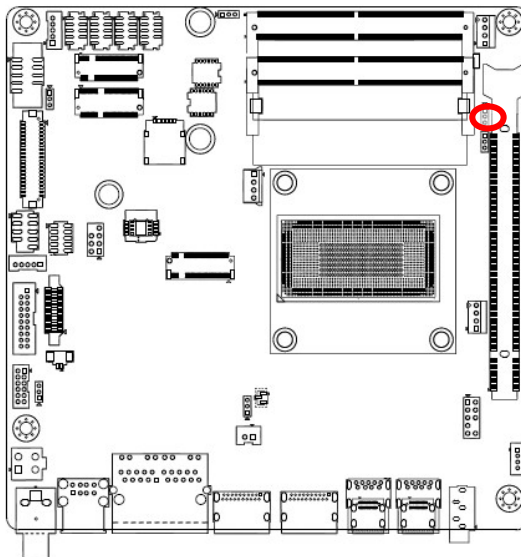
+5V



+3V



- LVDS brightness control mode Selection: JLVDS_BKL1



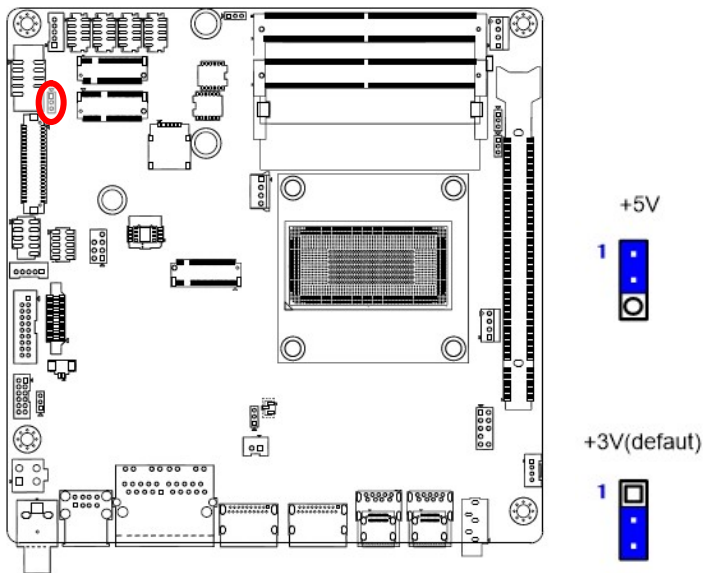
PWM mode



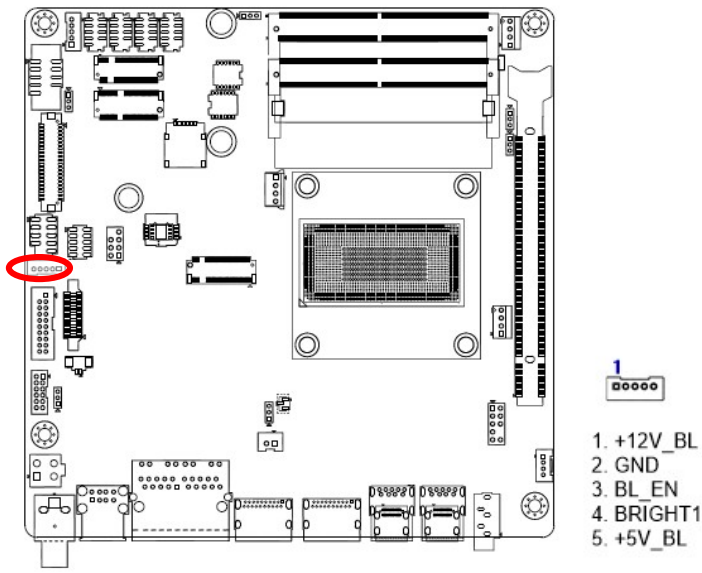
DC mode



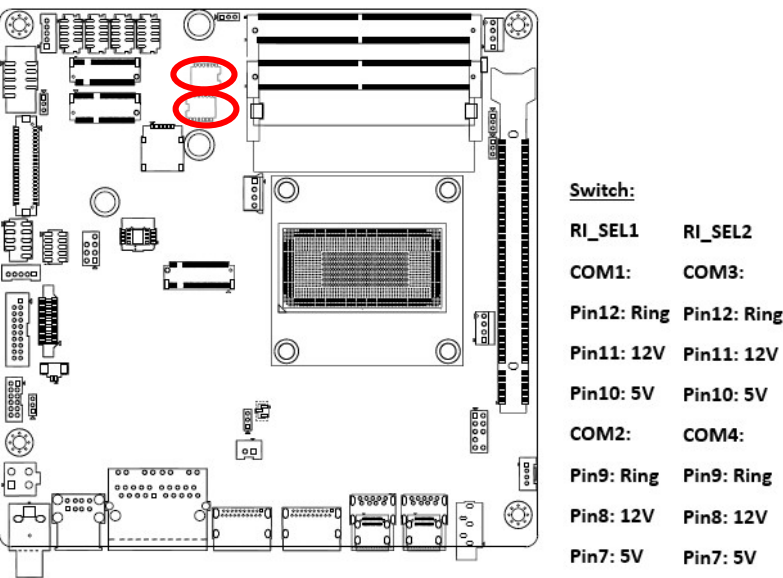
• EDP voltage Selection: EDPPWR1



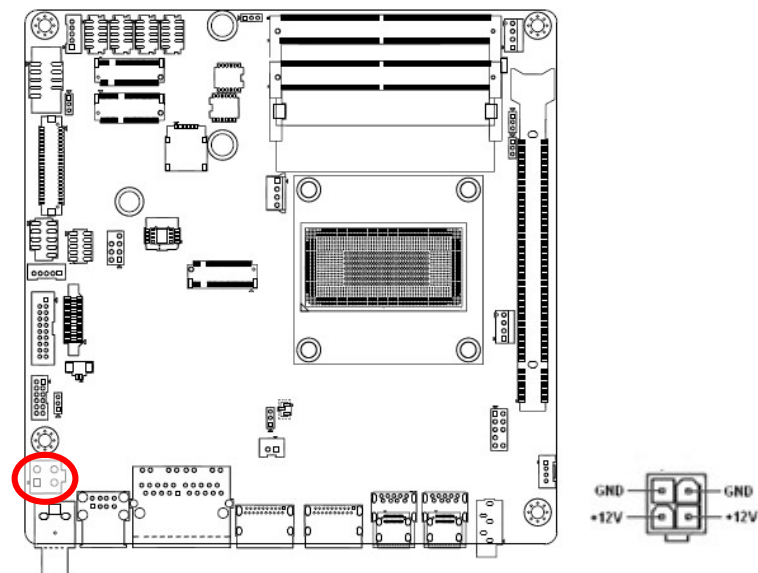
• LVDS panel backlight connector: INV1



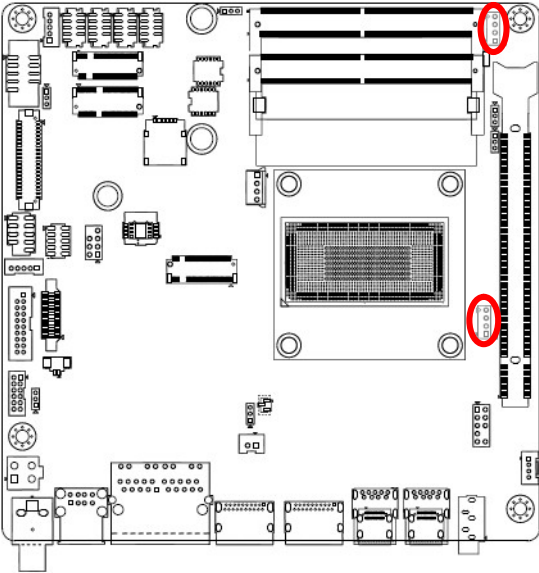
• COM POWER SETTING (RI_SEL1, RI_SEL2)



• ATX Power Connectors: ATX1

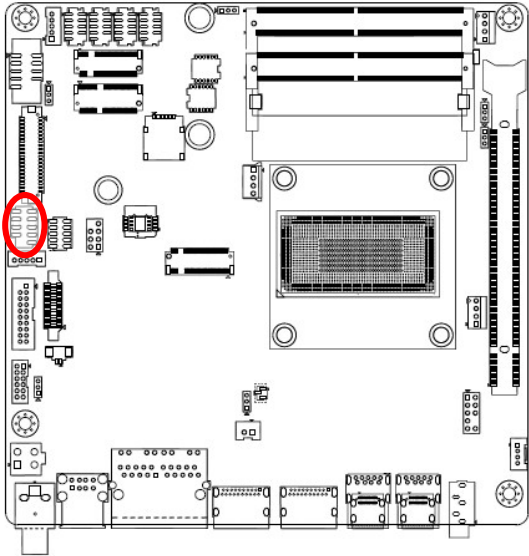


• Fan Connectors: CPU_FAN1, SYS_FAN1



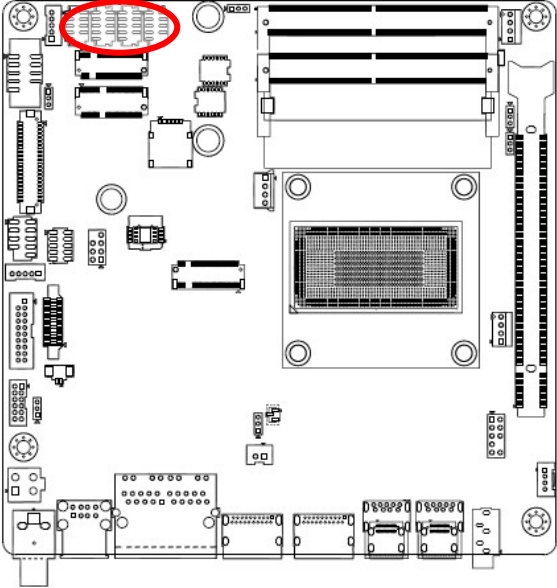
- CPU_FAN1
- 4. FAN_PWM
 - 3. FAN_SPEED
 - 2. +V12
 - 1. GND
- SYS_FAN1
- 4. FAN_PWM
 - 3. FAN_SPEED
 - 2. +V12
 - 1. GND

• Front USB 2.0 Headers: USB34



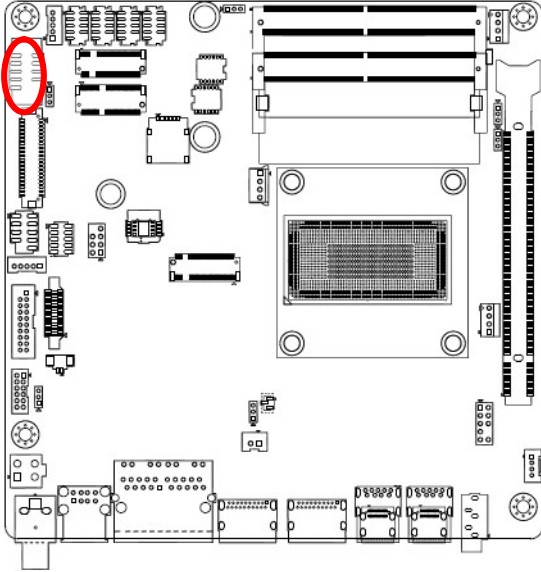
- 1 2
- 1.USB+5V
 - 2.USB+5V
 - 3.USB -
 - 4.USB -
 - 5.USB +
 - 6.USB +
 - 7.GND
 - 8. GND
 - 9. NC

• Serial Port Connectors: COM1~4



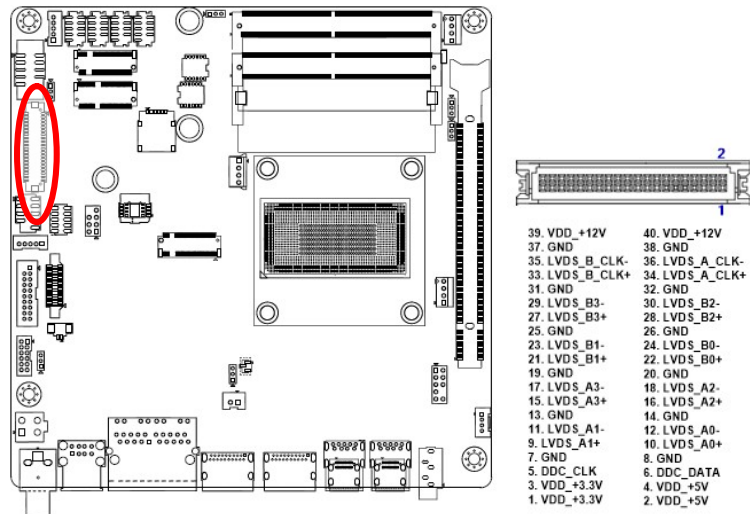
- 1 2
- 1. DCD#
 - 2. RX
 - 3. TX
 - 4. DTR#
 - 5. GND
 - 6. DSR#
 - 7. RTS#
 - 8. CTS#
 - 9. RI3xPOWERxJMP

• Front Panel Connector: F_PANEL1

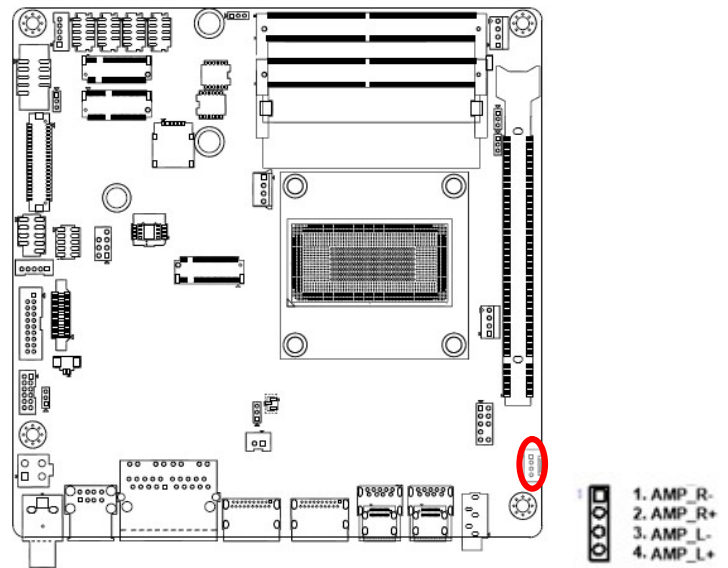


- 1 2
- 1. HDD LED+ 2. +5VSB
 - 3. HDD LED# 4. PWR LED#
 - 5. GND
 - 6. PANSWIN#
 - 7. RST
 - 8. GND
 - 9. N/A

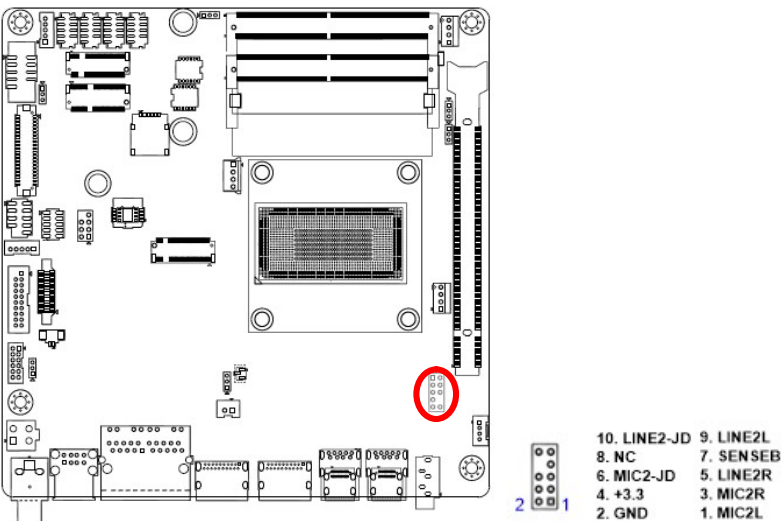
• LVDS panel connector: LVDS1



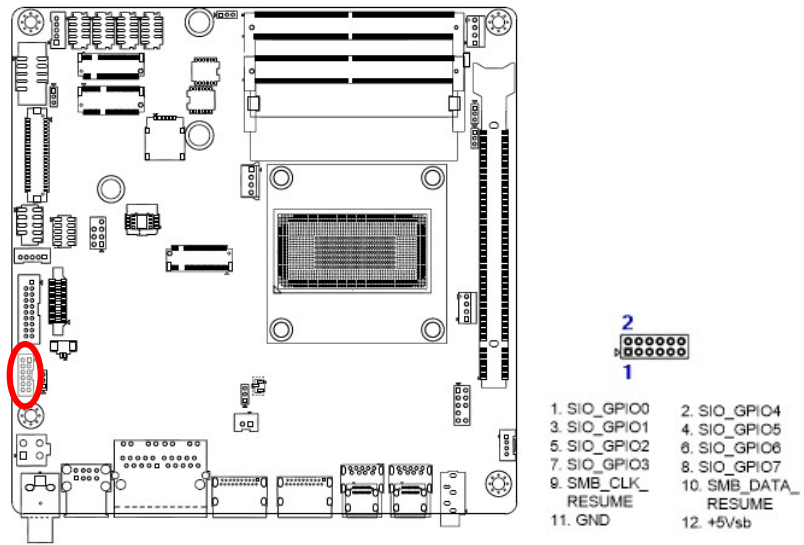
• Amplifier Connector: AMP1



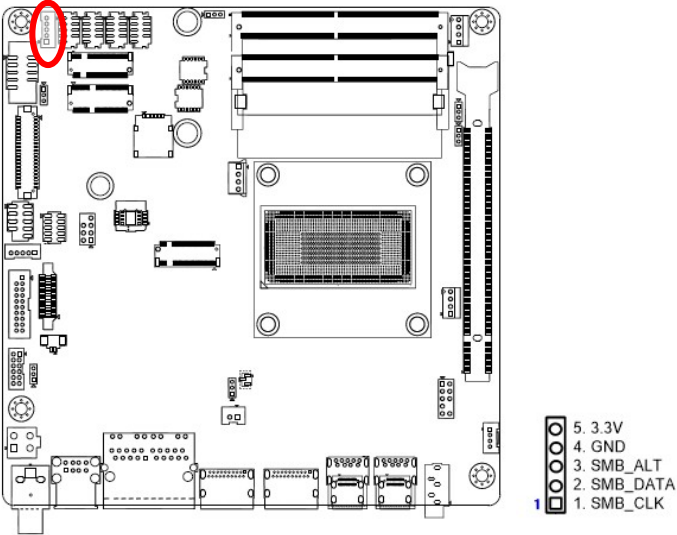
• Front Panel Audio Connector: FP_AUDIO1



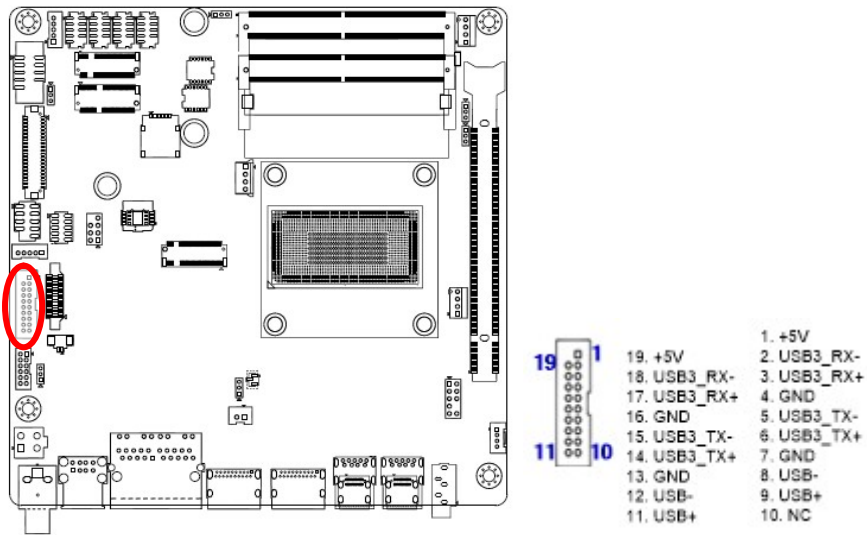
• Digital I/O Connector: JDIO1



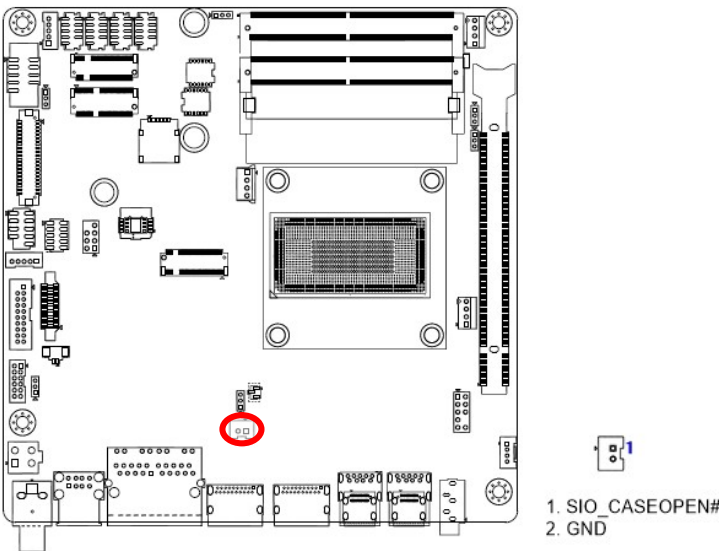
•SM bus connector SMB1



• USB3.2 connector: USB78



•Chassis Intrusion Connector: JCASE1



• ACC Power connector: ACCPW1

