

## Models 2453/2454 header pinouts

Headers P1, P2, P4, P5: FCI 98414-F06-16-LF.

Mating connectors:

board to board: FCI 55510-116LF,

board to wire: FCI 90311-016LF.

### **P1. Audio/video inputs/outputs.**

Pin	Signal	Pin	Signal
1	Composite video output	2	Ground
3	Composite video input	4	Ground
5	Audio input, right channel	6	Ground
7	Audio input, left channel	8	Ground
9	Microphone bias	10	Ground
11	Microphone input	12	Ground
13	Audio output, right channel	14	Ground
15	Audio output, left channel	16	Ground

### **P2. SD card interface, GPIO, battery.**

Pin	Signal	Pin	Signal
1	SD_Data[0]	2	SD_Data[1]
3	SD_CLK	4	Ground
5	SD_CMD	6	+3.3 V
7	SD_Data[2]	8	SD_Data[3]
9	GPI-C1	10	Ground
11	GPI-A	12	GPI-C
13	GPO-C	14	GPO-E
15	Ground	16	Battery “+” terminal

**P4. Power, USB host interface.**

Pin	Signal	Pin	Signal
1	+5 V	2	+5 V
3	+5 V	4	Ground
5	Ground	6	Ground
7	PWRGOOD	8	SAFEBOOT
9	N/C	10	BUTTON
11	N/C	12	Ground
13	USB DM	14	USB VBUS output
15	USB DP	16	Ground

**P5. Ethernet, UART.**

Pin	Signal	Pin	Signal
1	Ethernet TX+	2	Ethernet TX-
3	Ethernet RX+	4	Ethernet RX-
5	Ground	6	Ethernet LED0 cathode
7	+3.3 V	8	Ethernet LED1 cathode
9	RS-422 TX+	10	RS-422 TX-
11	RS-422 RX+	12	RS-422 RX-
13	Ground	14	Ground
15	RS-232 TX	16	RS-232 RX