Tabelle1

Power Mac G 5 front panel wiring to ATX

Panel Pin	Signal
1	+12V FW1394
2	GND FW1394
3	TPA+ FW1394
4	TPA- FW1394
5	S-GND FW1394
6	S-GND USB2
7	TPB+ FW1394
8	TPB- FW1394
9	+5V USB2
10	GND USB2
11	D+ USB2
12	D- USB2
13	PWR LED
14	PWR BUTTON
15	AUDIO SENSE
16	AUDIO COM
17	R AUDIO
18	L AUDIO

G5 Front Panel Connector

|		
FW GND	2 1	25V FW (+12V x2)
FW TPA -	4 3	FW TPA +
USB Shield Ground	6 5	FW Shield Ground
FW TPB -	8 7	FW TPB +
USB GND	10 9	USB +5V
USB -	12 11	USB +
Power LED +	14 13	Power Button +
Audio COM (GND)	16 15	Audio Sense
Audio L	18 17	Audio R
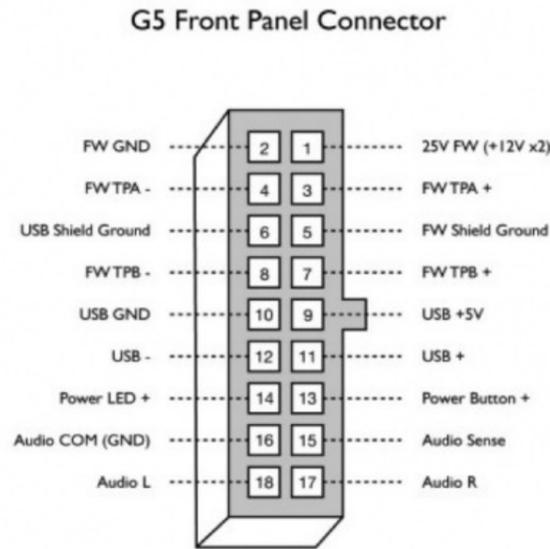
NOTE: View shown here is "top down" of multi-pin connector while connected to motherboard (not "bottom up" after disconnecting from motherboard)

Firewire wiring

Pin Panel	Pin Header	Signal
1	8	+!2V VP
2	4	GND
3	1	TPA+
4	2	TPA-
5	10	GND/shield
7	5	TPB+
8	6	TPB-

PIN ASSIGNMENTS

TPA +   TPA -
GND   GND
TPB +   TPB -
VP   VP
S- GND

IEEE 1394 HEADER

NO CONNECTION FOR RESERVED GND & VP PINS
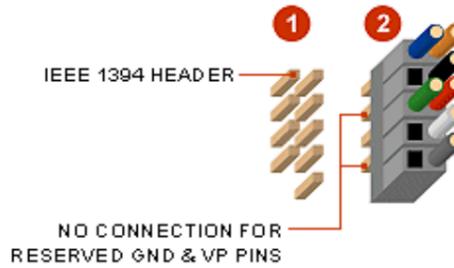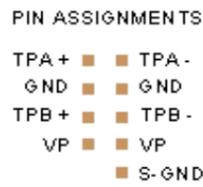
Note: No pin for header spot #9 for keying

USB wiring

Pin Panel	Pin Header	
6	8	Shield/ground
9	2	+5V
10	8	GND return
11	6	USB data +
12	4	USB data -
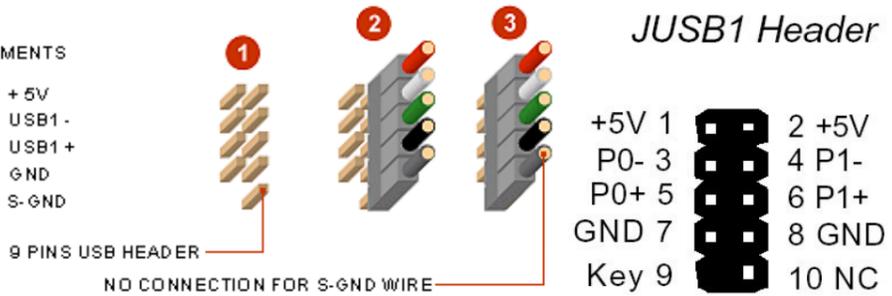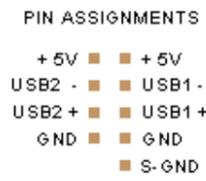
Pin 10 mostly NOT available
connect shield to GND return

PIN ASSIGNMENTS

+ 5V   + 5V
USB2 -   USB1 -
USB2 +   USB1 +
GND   GND
S- GND

9 PINS USB HEADER

NO CONNECTION FOR S-GND WIRE

JUSB1 Header

+5V	1	2	+5V
P0-	3	4	P1-
P0+	5	6	P1+
GND	7	8	GND
Key	9	10	NC

Audio wiring

Pin Panel	Pin Header	
15	nc	AUDIO SENSE
16	2	AUDIO COM
17	5	R AUDIO
18	9	L AUDIO

Connect pin 7 to 10 to enable headphone socket
Apple audio sense is non compatible with HD Audio

High Definition Audio

Pin	Pin Assignment	Pin	Pin Assignment
1	MIC2 L (Microphone 2 Left)	2	AGND (Analog Ground)
3	MIC2 R (Microphone 2 Right)	4	AVCC (Analog VCC Power)
5	FRO-R (Front Right)	6	MIC2_JD (Microphone 2 Jack Detect)
7	F_IO_SEN (Front I/O Sensor)		
9	FRO-L (Front Left)	10	LINE2_JD (Line 2 Jack Detect)

2 4 6 10
1 3 5 7 9
F -AUDIO

Power Button, LED

Pin Panel	Header pin		
13	see mobo manual	PWR LED	typically denoted as PWR LED +
14	see mobo manual	PWR BUTTON	typically denoted as PWR switch+

In case you have properly connected USB as well as FW ground to motherboard ground no further connections required