

The connection between analog part - digital part – power supply - μ C is a 50 pin Centronics 1:1 cable.

All the following combinations must be possible:

scenario	Power Supply housing	Analog - Audio - housing 1	Analog - Audio - housing 2
scenario 1	PS with μ C	Both channels on one PCB. One supply voltage for both channels.	-
scenario 2	PS with μ C	One channel in one housing. One PS for each channel.	One channel in one housing. One PS for each channel.

Pinning of the connector on the PCB, not the Centronics connector system:

Source	Signal	Pin	Pin	Signal	Source
A-PS	AGND V+_L	1	2	AGND V+_R	A-PS
A-PS	V+_L	3	4	V+_R	A-PS
A-PS	V+_L	5	6	V+_R	A-PS
A-PS	V+_L	7	8	V+_R	A-PS
A-PS	AGND V+_L	9	10	AGND V+_R	A-PS
A-PS	AGND V-_L	11	12	AGND V-_R	A-PS
A-PS	V-_L	13	14	V-_R	A-PS
A-PS	V-_L	15	16	V-_R	A-PS
A-PS	V-_L	17	18	V-_R	A-PS
A-PS	AGND V-_L	19	20	AGND V-_R	A-PS
D-PS	DGND	21	22	DGND	D-PS
D-PS	+5V	23	24	+5V	D-PS
D-PS	+5V	25	26	+5V	D-PS
D-PS	V+_D1	27	28	V+_D1	D-PS
D-PS	V+_D2	29	30	V+_D2	D-PS
D-PS	/D_PF	31	32	/A_PS_ON	μ C
μ C	Option1	33	34	Option2	reserved
μ C	Option3	35	36	/Remote_ON	μ C
μ C	/Mute	37	38	Clock	μ C
μ C	/Strobe_L_Vol	39	40	/Strobe_R_Vol	μ C
μ C	/Strobe_L_Sel	41	42	/Strobe_R_Sel	μ C
μ C	/Data_out	43	44	/Data_in	A-Board
A-Board	A_PF_L_C	45	46	A_PF_R_C	A-Board
A-Board	A_PF_L_E	47	48	A_PF_R_E	A-Board
D-PS	DGND	49	50	DGND	D-PS

Remarks:

Source	Signal	Description
A-PS	-	power supply for analog circuit
D-PS	-	power supply for digital (μ C) circuit
A-Board	-	audio circuit
A-PS	V+_x	Supply voltage for audio circuit +18,5V ... 25V
A-PS	V-_x	Supply voltage for audio circuit -18,5V ... 25V
D-PS	V+_D1	Input voltage of the +5V stabilizer (about +9V), used for LCD backlight, ...
D-PS	V+_D2	Voltage for relays, not specified now
D-PS	/D_PF	Powerfail digital PS
μ C	/A_PS_ON	Turn Analog PS on/off
μ C	/Remote_ON	Turn Remote output (12V) on/off
μ C	Option1	When connected to Option3: Flag 'project L-10'
μ C	Option2	Not used now
μ C	Option3	When connected to Option1: Flag 'project L-10'
μ C	/Mute	Mute analog outputs
μ C	/Strobe_L_Vol	e.g.: /CS for CS3310
μ C	/Strobe_R_Vol	e.g.: /CS for CS3310
μ C	/Strobe_L_Sel	e.g. Strobe for 74HCT595
μ C	/Strobe_R_Sel	e.g. Strobe for 74HCT595
μ C	/Data_out	Data to audio circuit
μ C	/Data_in	Data from audio circuit, not used now
μ C	Clock	clock driven by μ C
A-Board	A_PF_L_C	Powerfail audio power supply, output transistor of optocoupler C
A-Board	A_PF_L_E	Powerfail audio power supply, output transistor of optocoupler E
A-Board	A_PF_R_C	Powerfail audio power supply, output transistor of optocoupler C
A-Board	A_PF_R_E	Powerfail audio power supply, output transistor of optocoupler E