



T 752

AV Surround Sound Receiver

SERVICE MANUAL ADDENDUM

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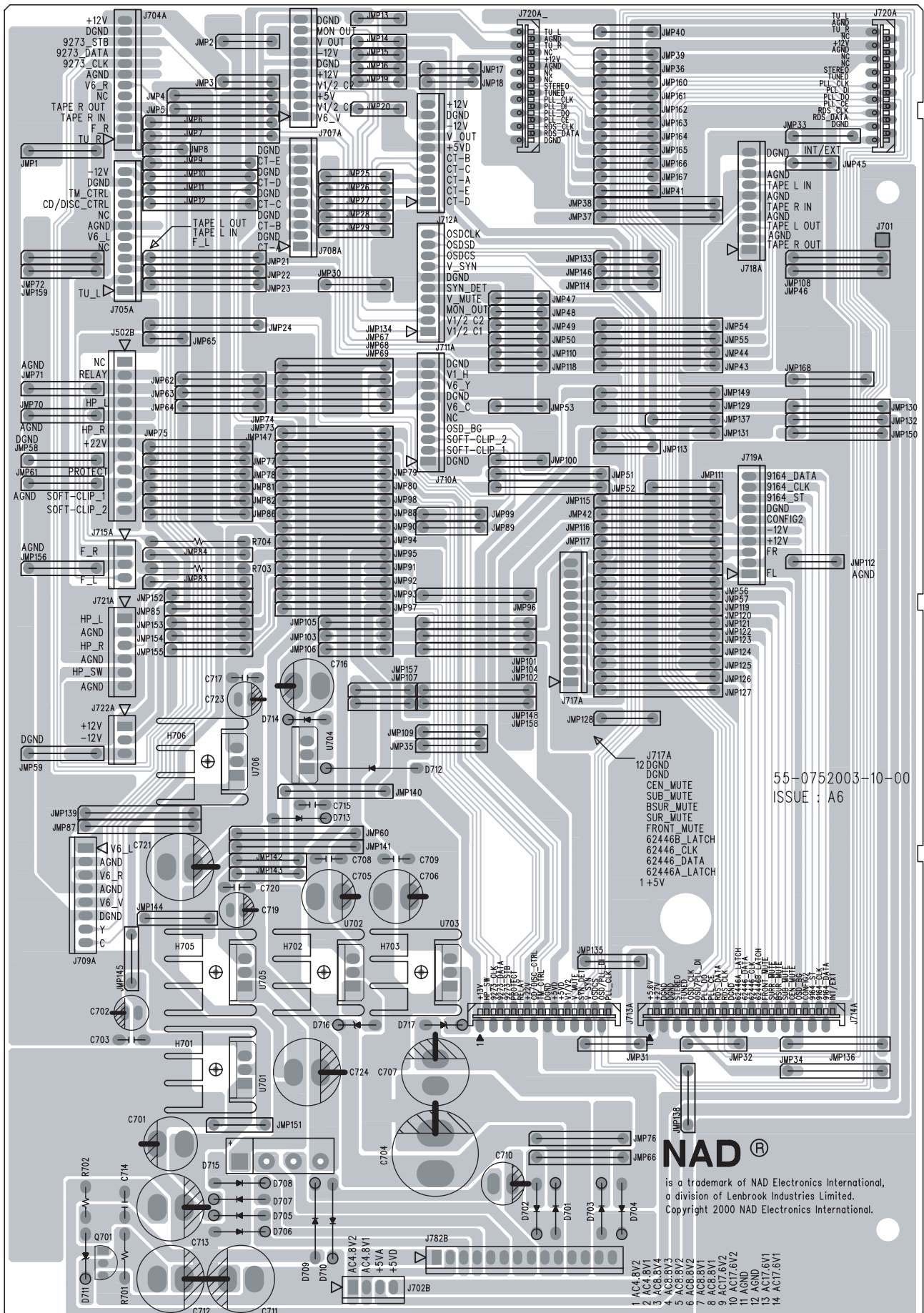
VERSION HISTORY

MAIN BOARD

ISSUE	DESC. / PART NO.	CAUSE(S)	SERIAL NUMBER
ISSUE 6	MAIN BOARD : 55-0752003-10-00 A6		R28T75200001-R28T75200280 R28T75200401-R28T75200481
ISSUE 7	MAIN BOARD : 55-0752003-10-00 A7	<ul style="list-style-type: none"> • Add +5.6V to Pre-Out 	R28T75200281-R28T75200400 R28T75200482-R28T75201253 R2XT75203301-R2XT75203460
ISSUE 8	MAIN BOARD : 55-0752003-10-00 A8	<ul style="list-style-type: none"> • Add Connector option for DSP 	R28T75201254-R29T75202800 R2XT75202801-R2XT75203300 R2XT75203461-R2XT75203514
PN-01	MAIN BOARD : 55-0752003-10-01	<ul style="list-style-type: none"> • No layout change 	R2XT75203515-R2XT75204550 R2YT75204551-R2YT75205594 R2YT75207629-R2YT75207685 R2ZT75205595-R2ZT75206600 R31T75206601-R31T75207100 R32T75207101-R32T75207600 R33T75207601-R33T75207727 R34T75207728-R34T75209227 R37T75209228-R37T75210377 R38T75210378-R38T75210667

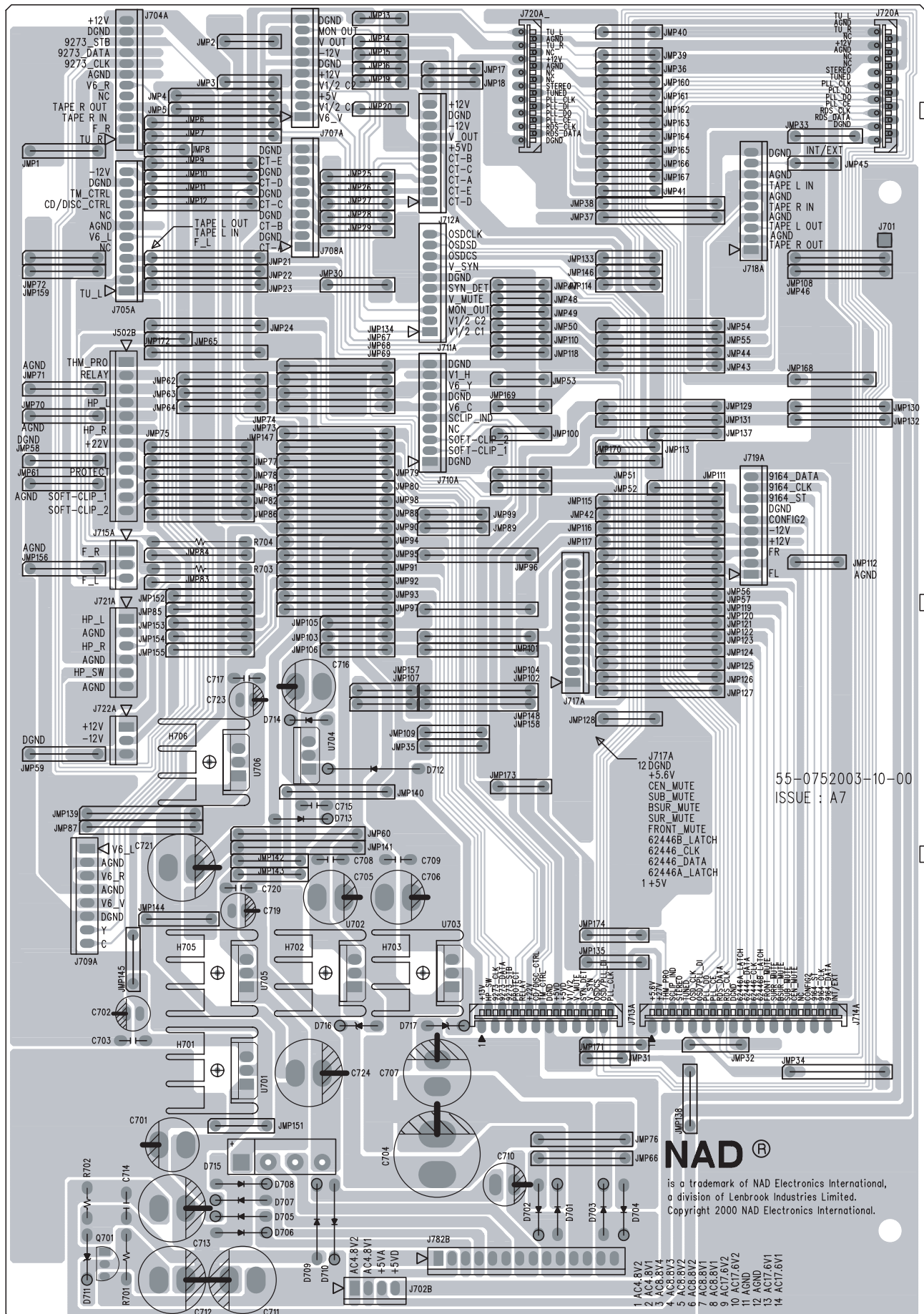
PCB LAYOUT

MAIN BOARD (ISSUE 6)



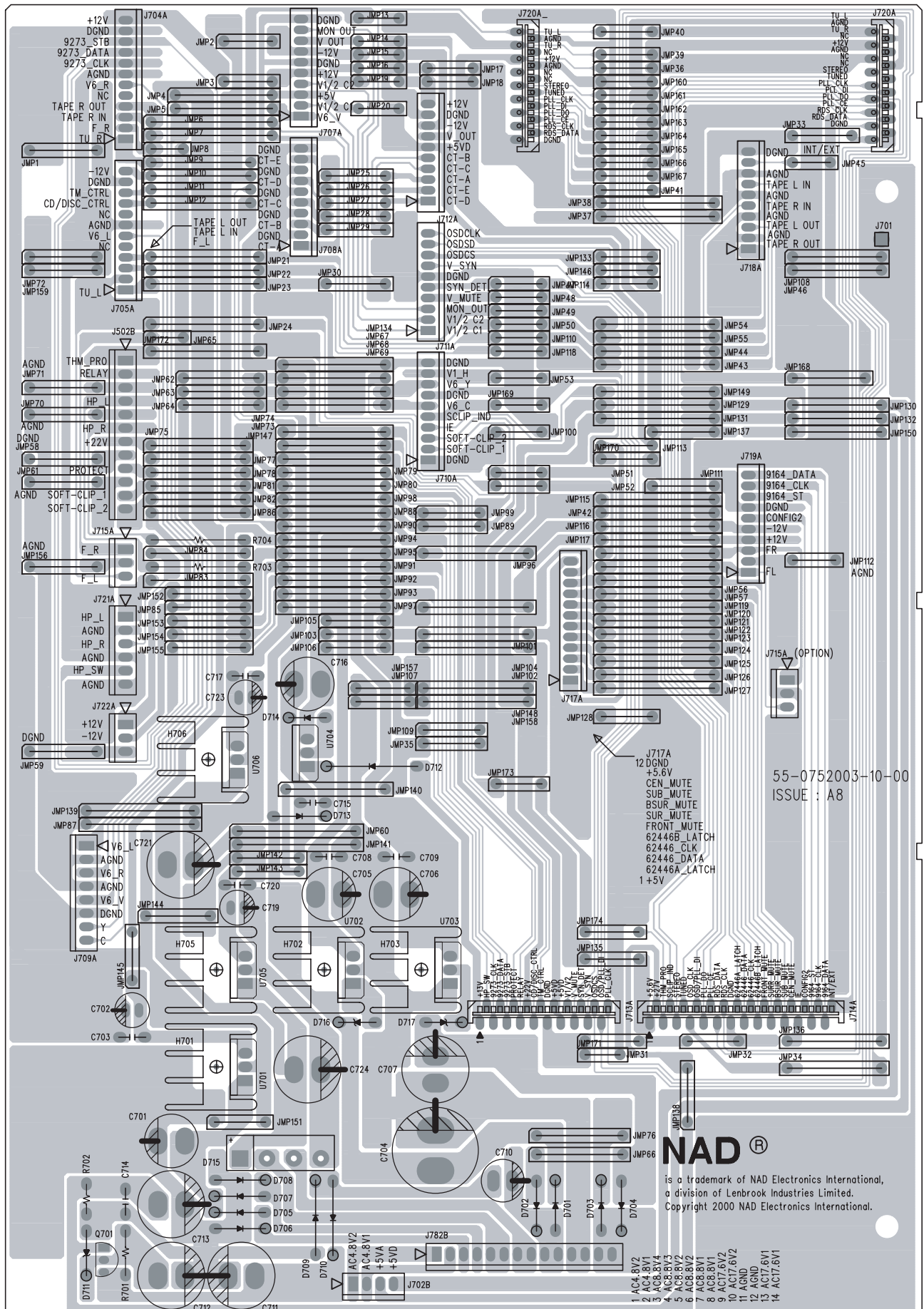
PCB LAYOUT

MAIN BOARD (ISSUE 7)



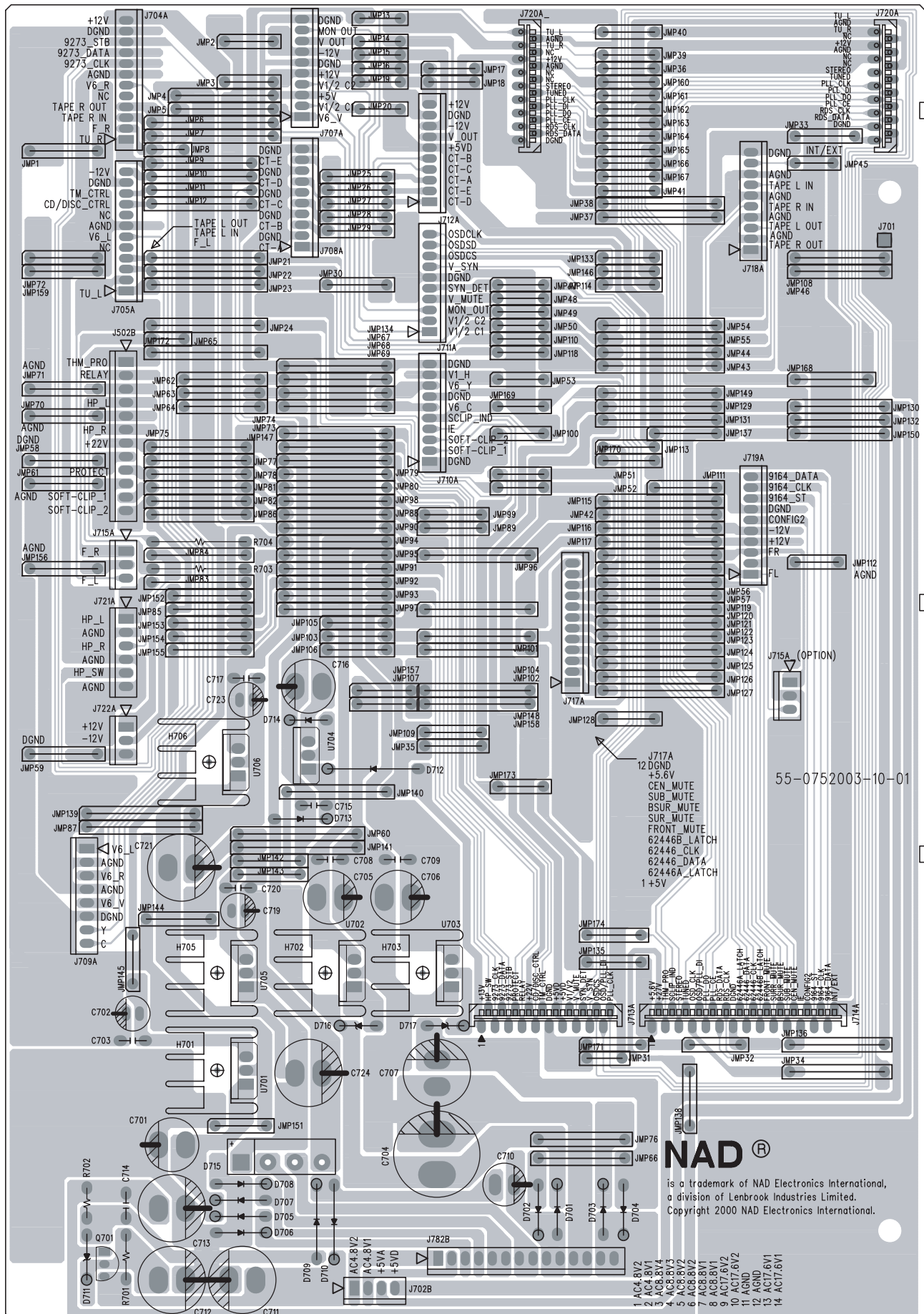
PCB LAYOUT

MAIN BOARD (ISSUE 8)

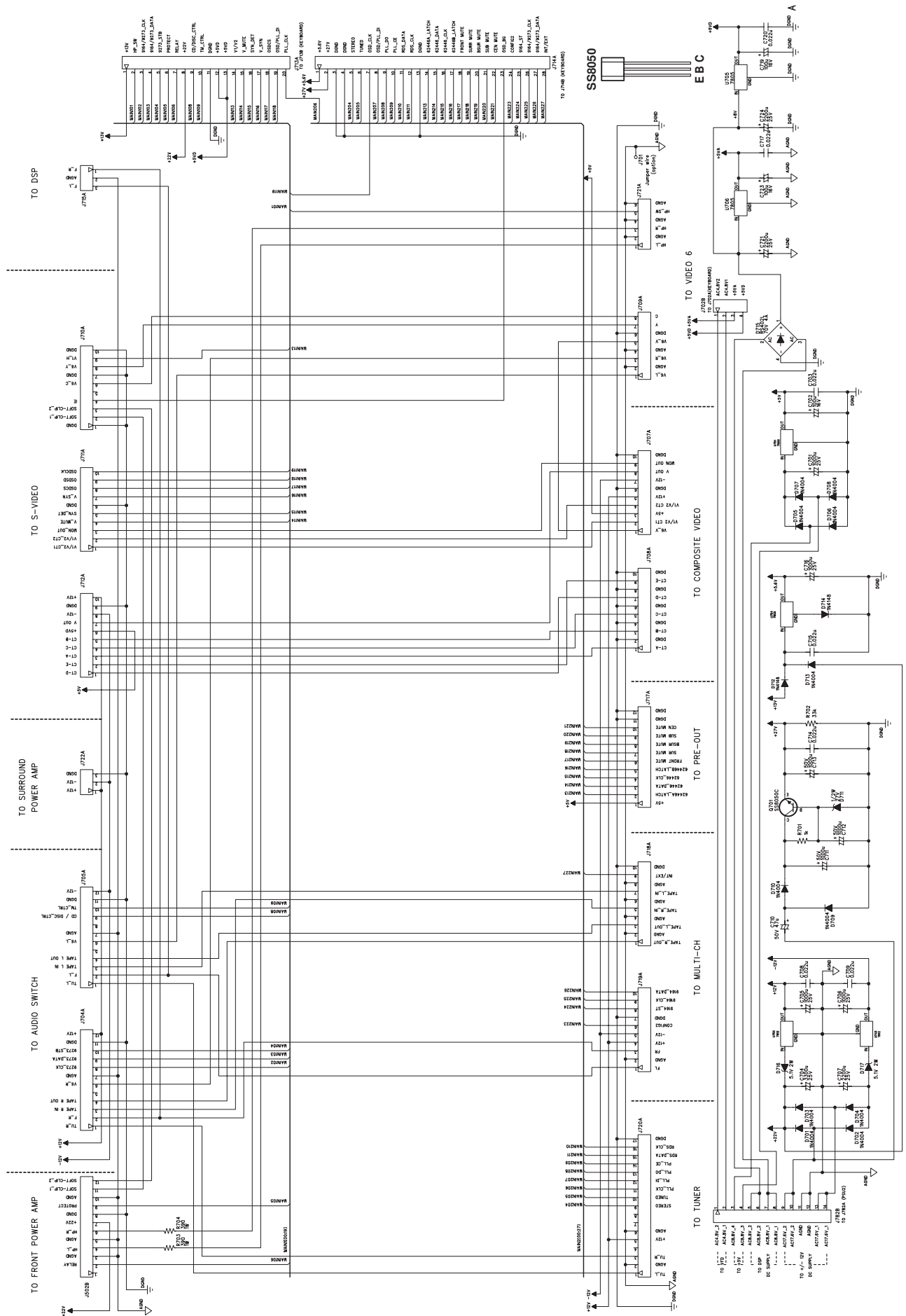


PCB LAYOUT

MAIN BOARD (PN-01)

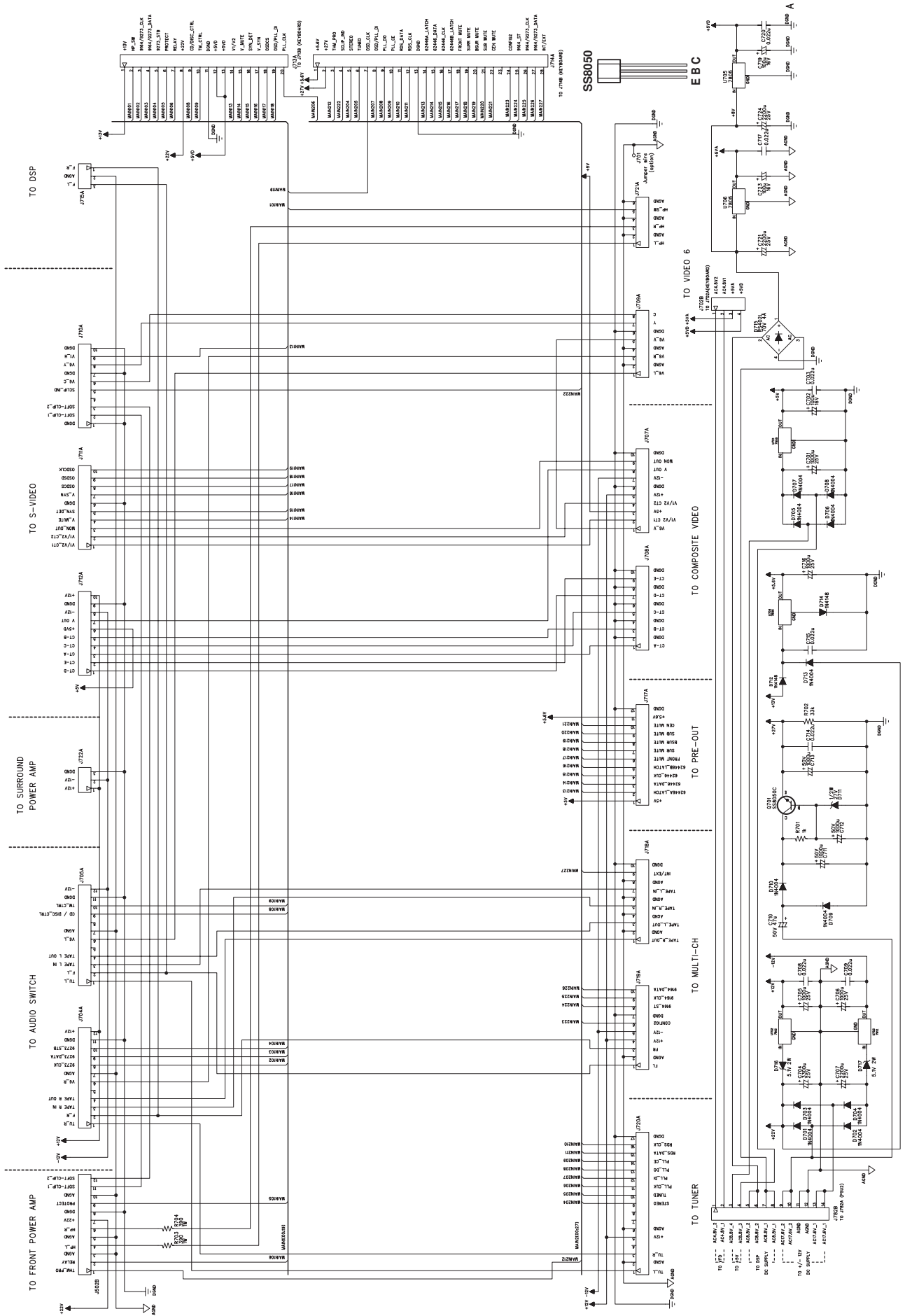


SCHEMATIC DIAGRAM MAIN BOARD (ISSUE 6)

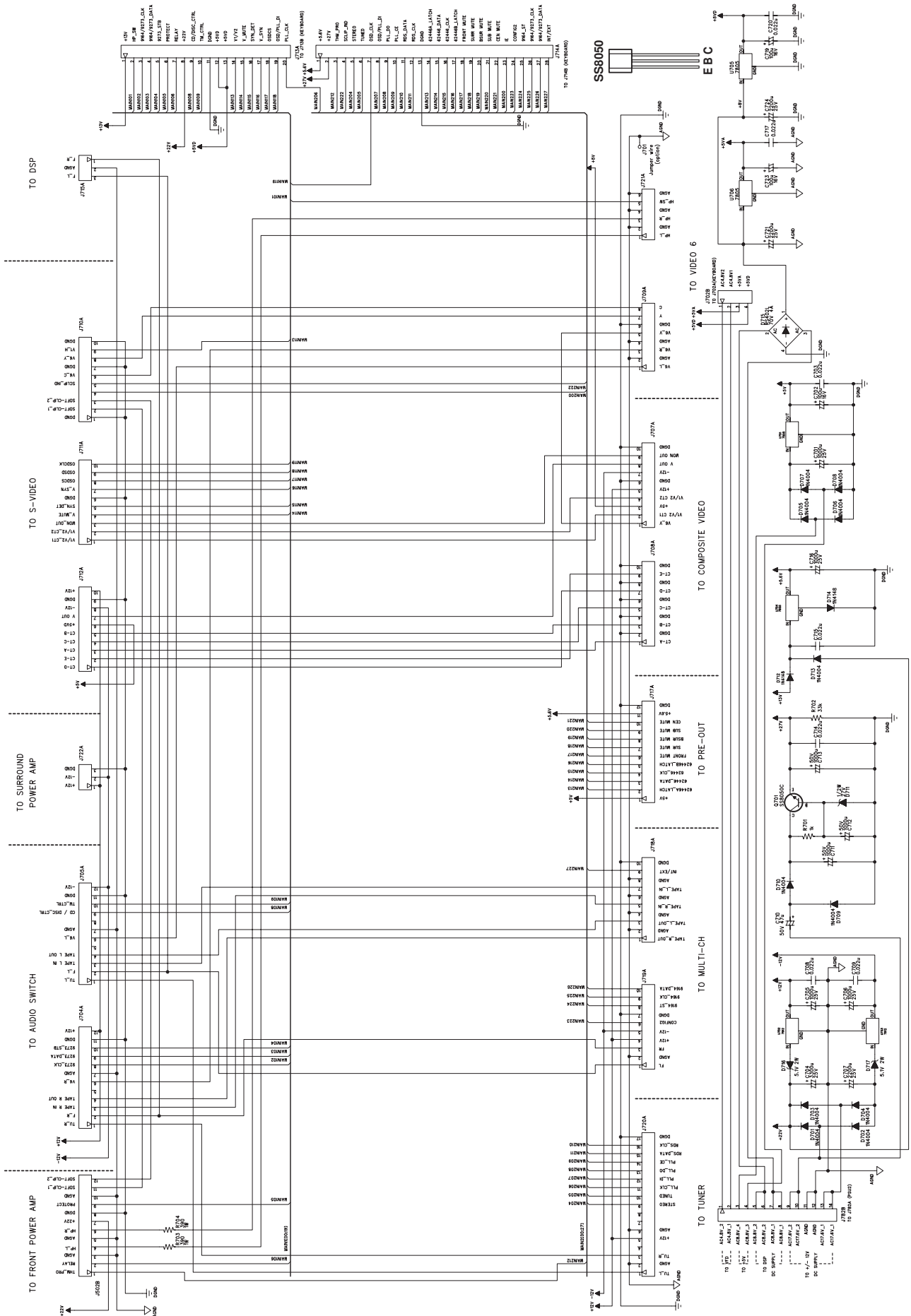


SCHEMATIC DIAGRAM

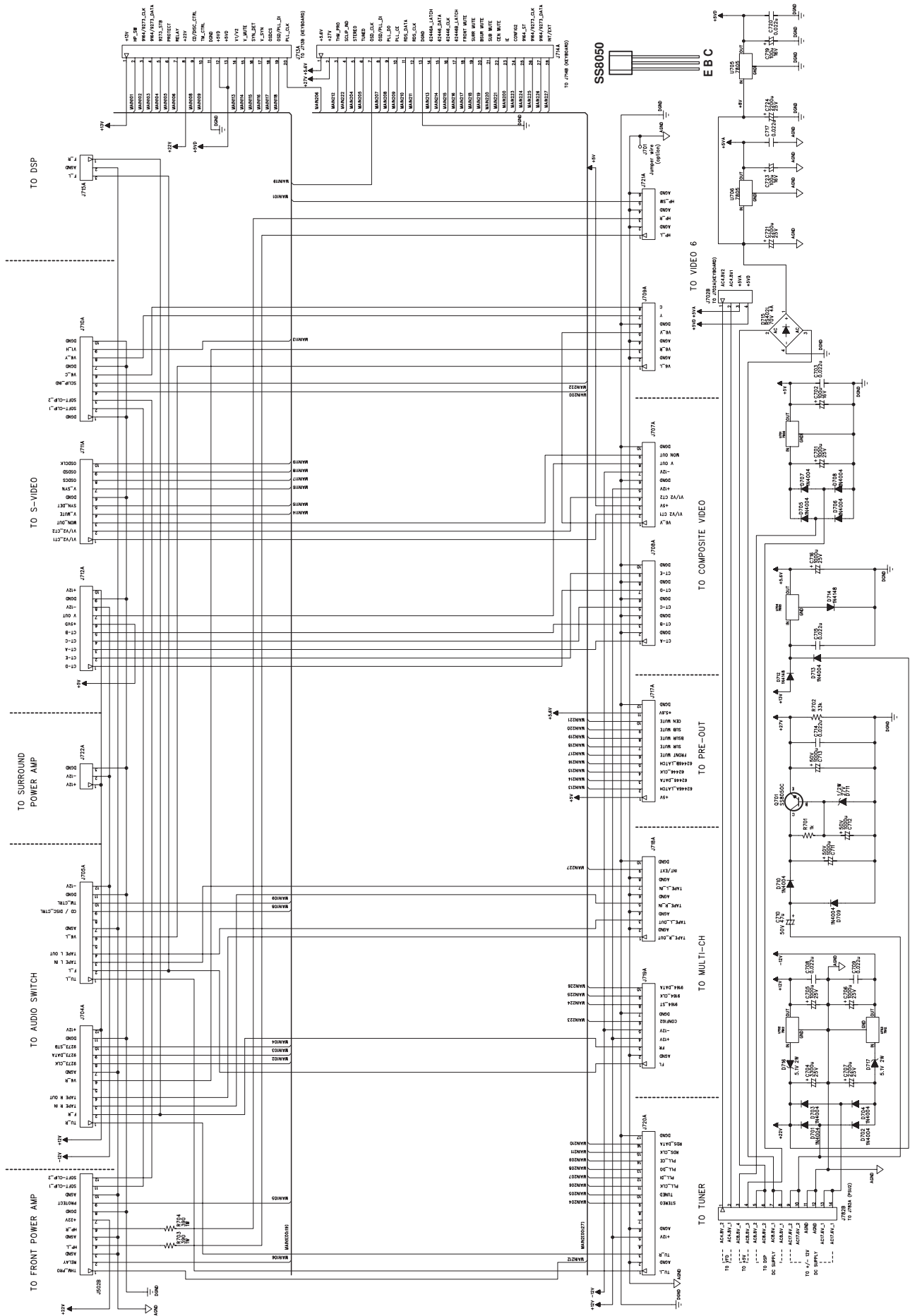
MAIN BOARD (ISSUE 7)



SCHEMATIC DIAGRAM MAIN BOARD (ISSUE 8)



SCHEMATIC DIAGRAM MAIN BOARD (PN-01)



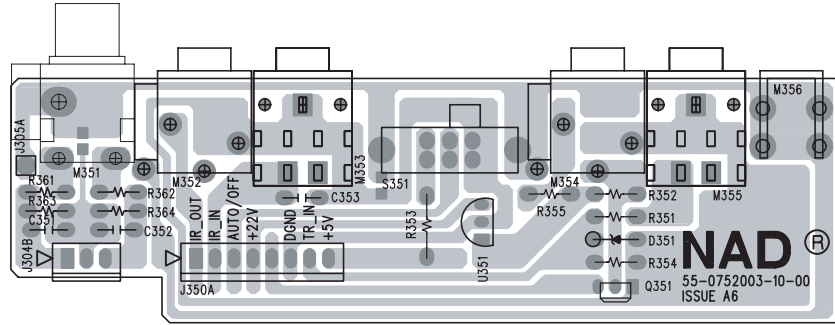
VERSION HISTORY

TRIGGER BOARD

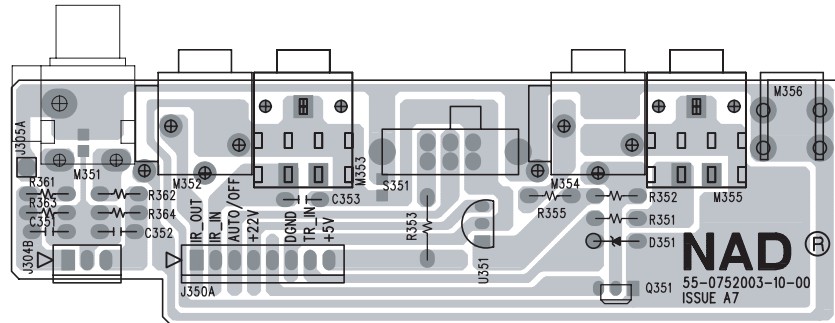
ISSUE	DESC. / PART NO.	CAUSE(S)	SERIAL NUMBER
ISSUE 6	TRIGGER BOARD : 55-0752003-10-00 A6		R28T75200001-R28T75200280 R28T75200401-R28T75200481
ISSUE 7	TRIGGER BOARD : 55-0752003-10-00 A7	<ul style="list-style-type: none"> Delete R354 (Trigger in) 	R28T75200281-R28T75200400 R28T75200482-R28T75201253 R2XT75203301-R2XT75203460
ISSUE 8	TRIGGER BOARD : 55-0752003-10-00 A8	<ul style="list-style-type: none"> Circuit update (IR OUT) Add Resistor to GND (Trigger IN/OUT) 	R28T75201254-R29T75202800 R2XT75202801-R2XT75203300 R2XT75203461-R2XT75203514
PN-01	TRIGGER BOARD : 55-0752003-10-01	<ul style="list-style-type: none"> Delete C353 (IR IN) 	R2XT75203515-R2XT75204550 R2YT75204551-R2YT75205594 R2YT75207629-R2YT75207685 R2ZT75205595-R2ZT75206600 R31T75206601-R31T75207100 R32T75207101-R32T75207600 R33T75207601-R33T75207727 R34T75207728-R34T75209227 R37T75209228-R37T75210377 R38T75210378-R38T75210667

PCB LAYOUT

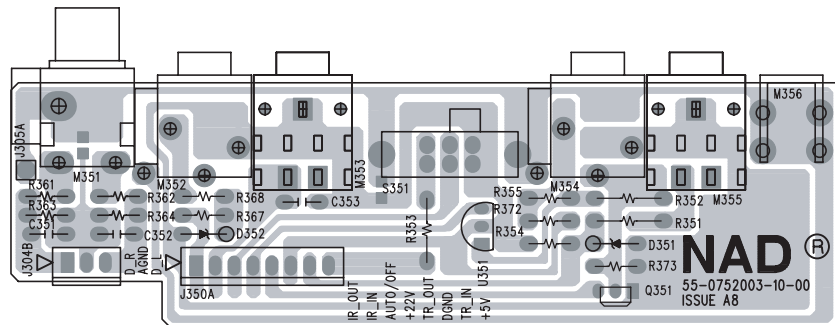
TRIGGER BOARD (ISSUE 6)



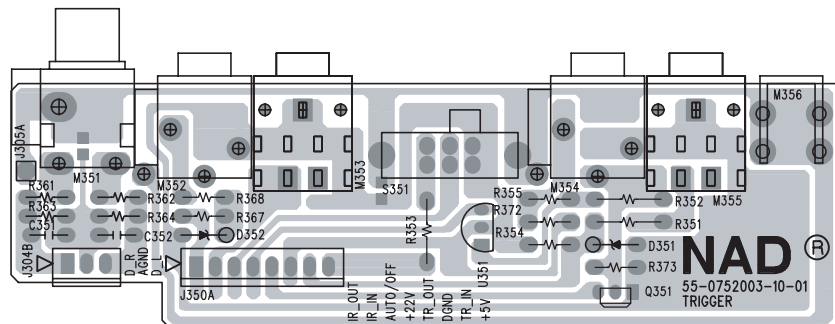
TRIGGER BOARD (ISSUE 7)



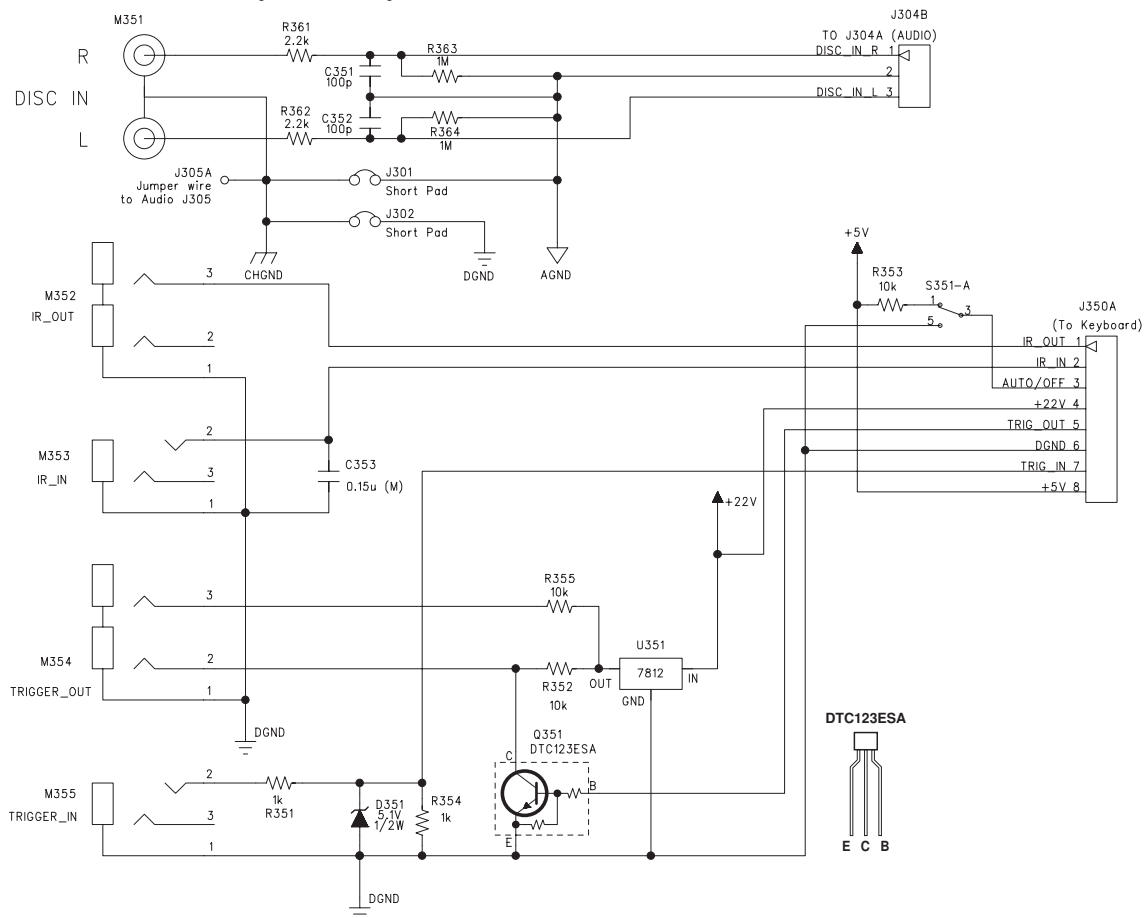
TRIGGER BOARD (ISSUE 8)



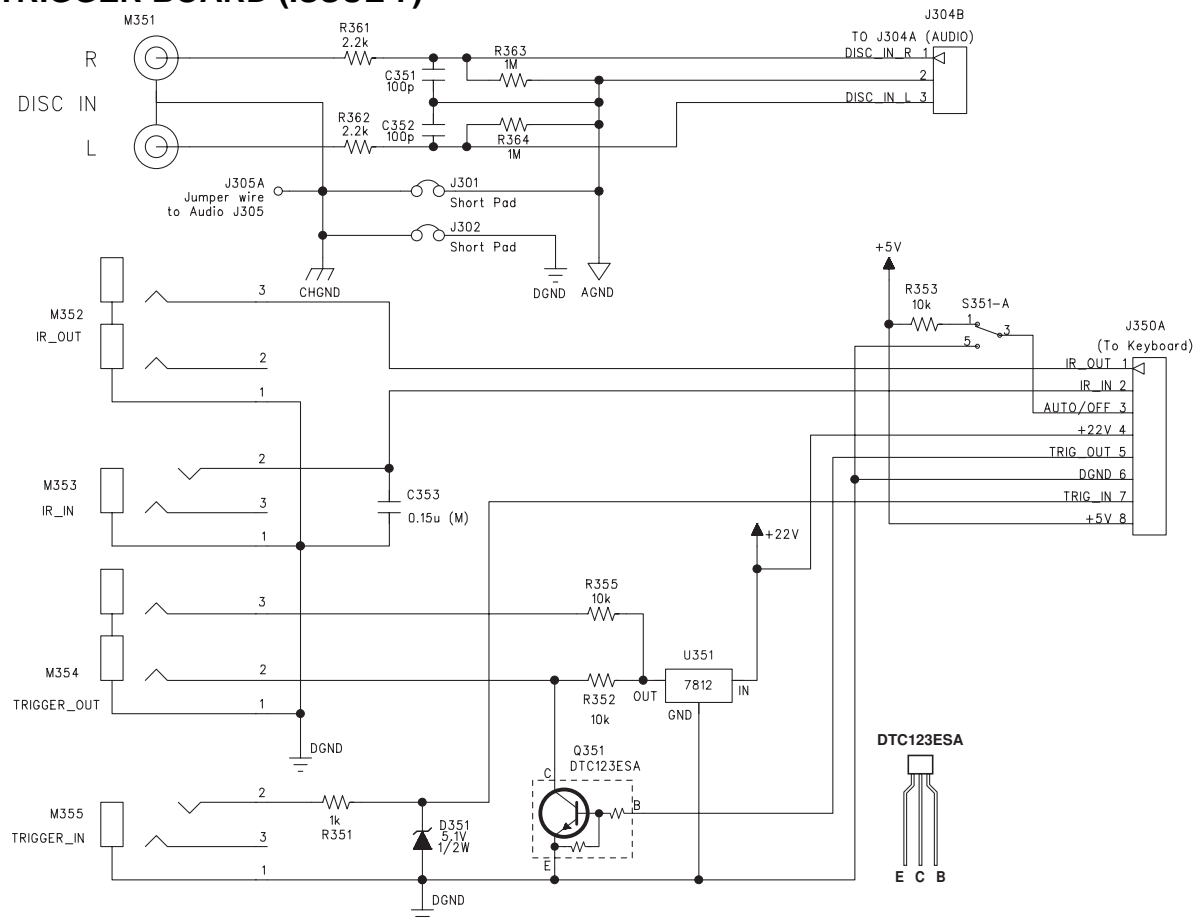
TRIGGER BOARD (PN-01)



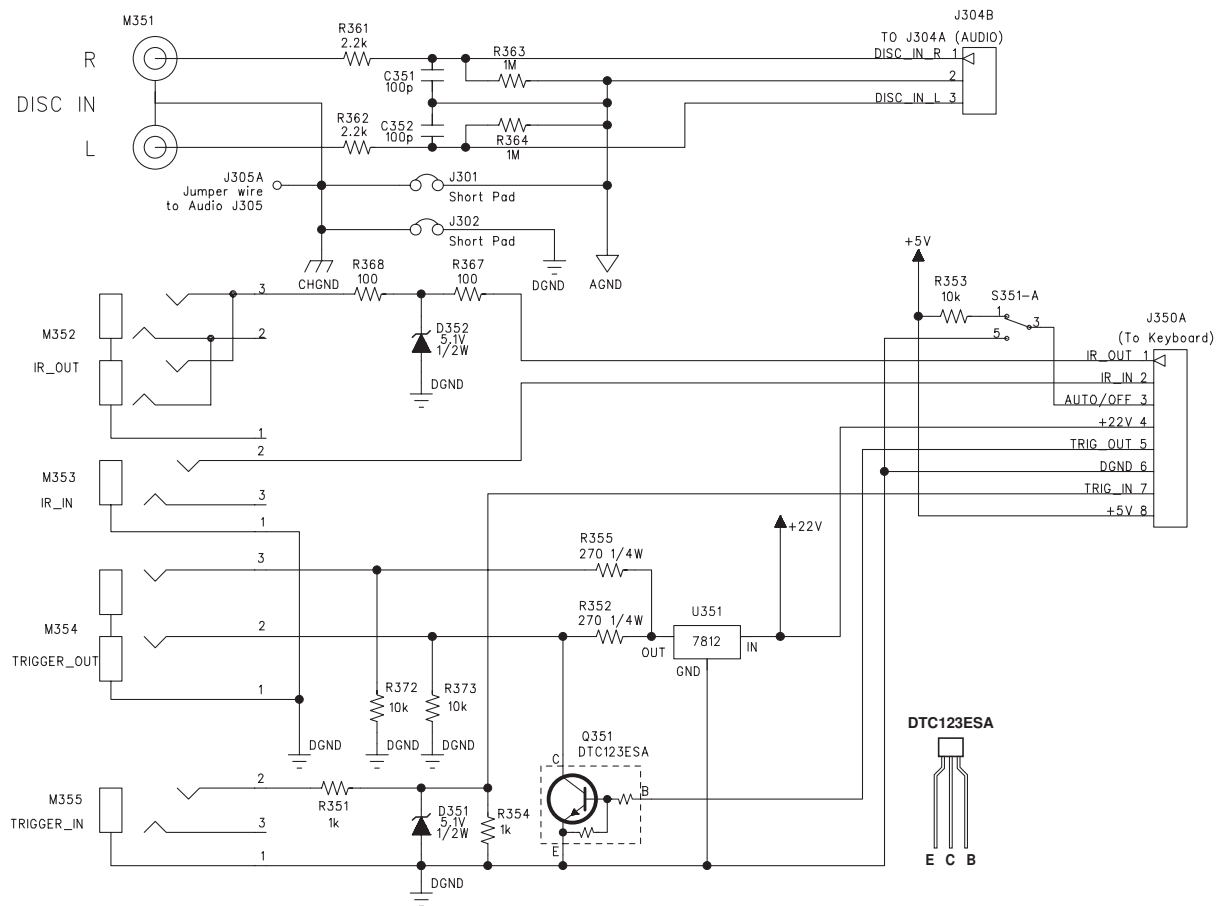
SCHEMATIC DIAGRAM TRIGGER BOARD (ISSUE 6)



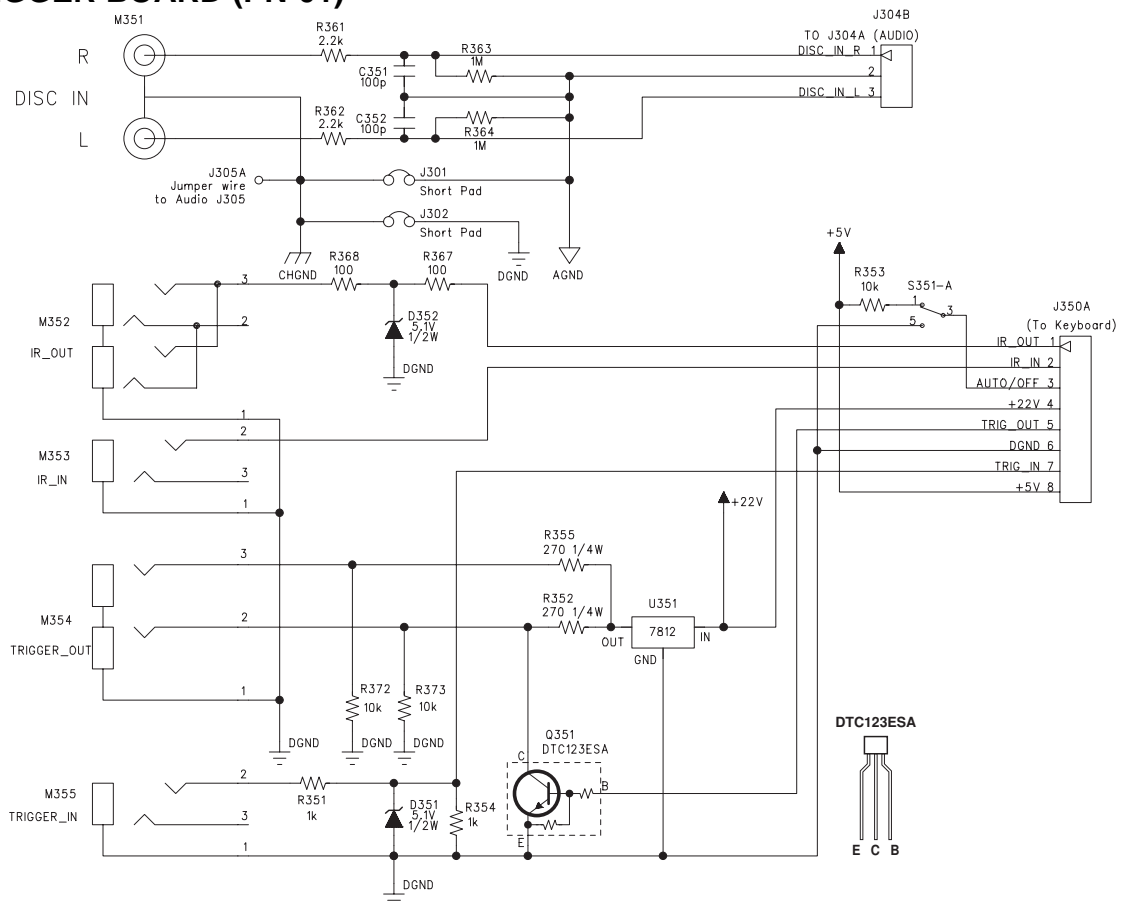
TRIGGER BOARD (ISSUE 7)



SCHEMATIC DIAGRAM TRIGGER BOARD (ISSUE 8)



TRIGGER BOARD (PN-01)



VERSION HISTORY

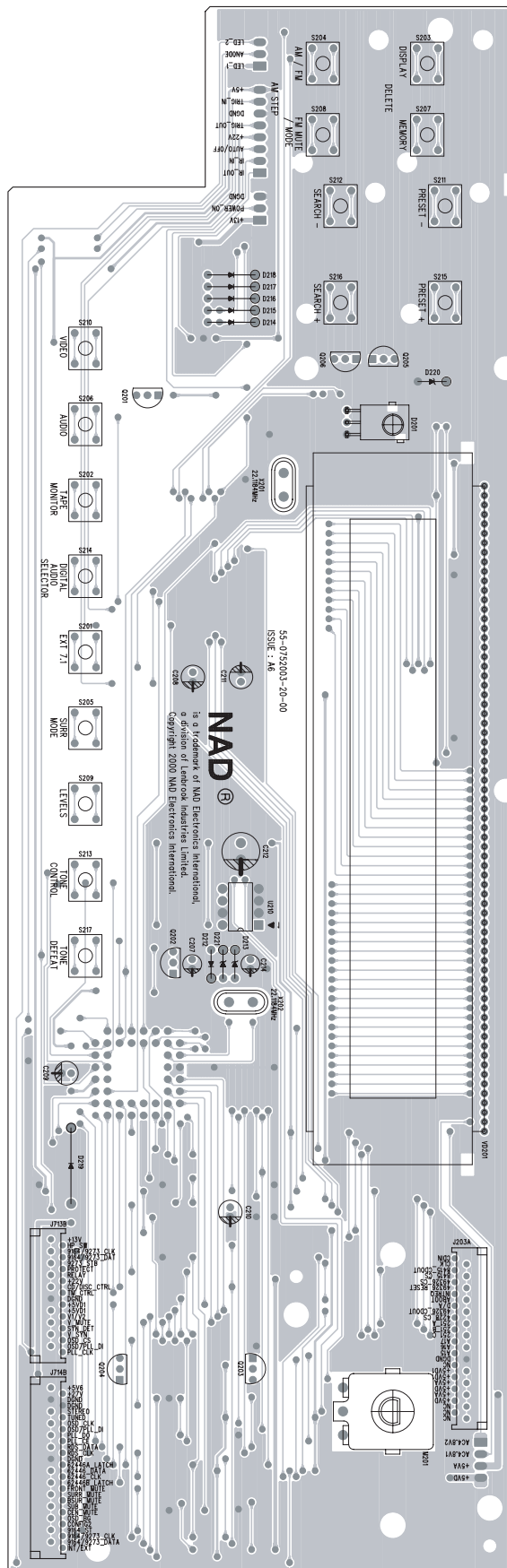
KEYBOARD

ISSUE	DESC. / PART NO.	CAUSE(S)	SERIAL NUMBER
ISSUE 6	KEYBOARD : 55-0752003-20-00 A6		R28T75200001-R28T75200280 R28T75200401-R28T75200481
ISSUE 7	KEYBOARD : 55-0752003-20-00 A7	<ul style="list-style-type: none"> • New connection of THERMAL 	R28T75200281-R28T75200400 R28T75200482-R28T75201253 R2XT75203301-R2XT75203460
ISSUE 8	KEYBOARD : 55-0752003-20-00 A8	<ul style="list-style-type: none"> • No layout change 	R28T75201254-R29T75202800 R2XT75202801-R2XT75203300 R2XT75203461-R2XT75203514
PN-01	KEYBOARD : 55-0752003-20-01	<ul style="list-style-type: none"> • Add RC of Rotary Encoder 	R2XT75203515-R2XT75204550 R2YT75204551-R2YT75205594 R2YT75207629-R2YT75207685 R2ZT75205595-R2ZT75206600 R31T75206601-R31T75207100 R32T75207101-R32T75207600 R33T75207601-R33T75207727 R34T75207728-R34T75209227 R37T75209228-R37T75210377 R38T75210378-R38T75210667

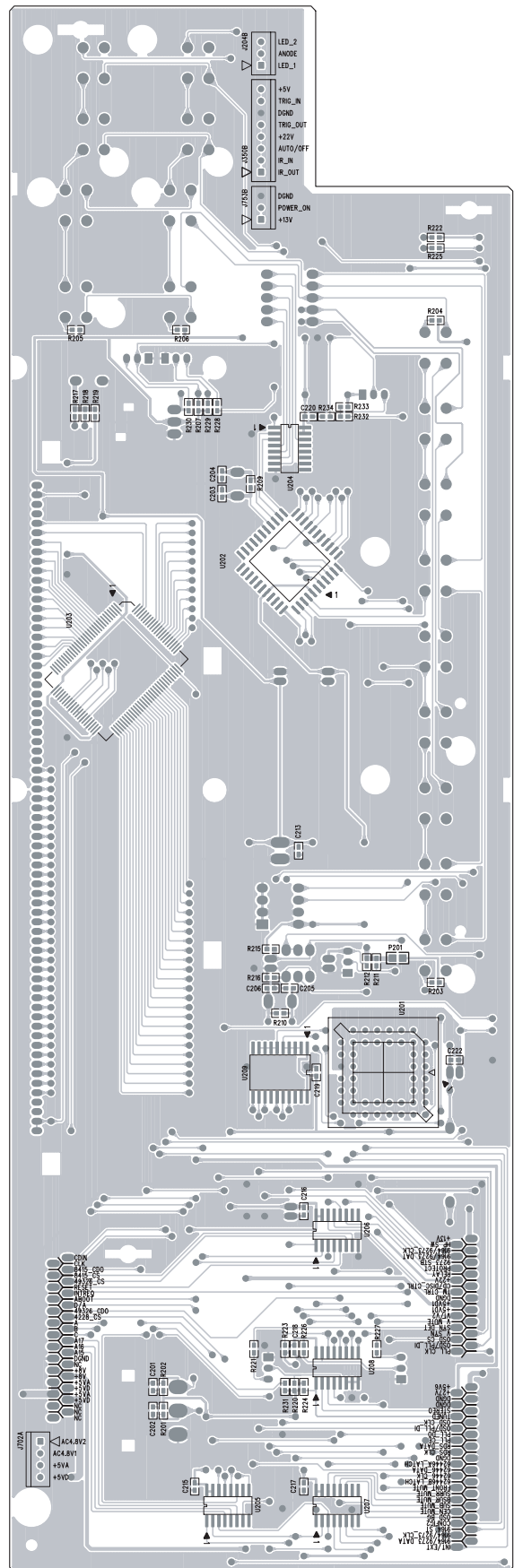
PCB LAYOUT

KEYBOARD (ISSUE 6)

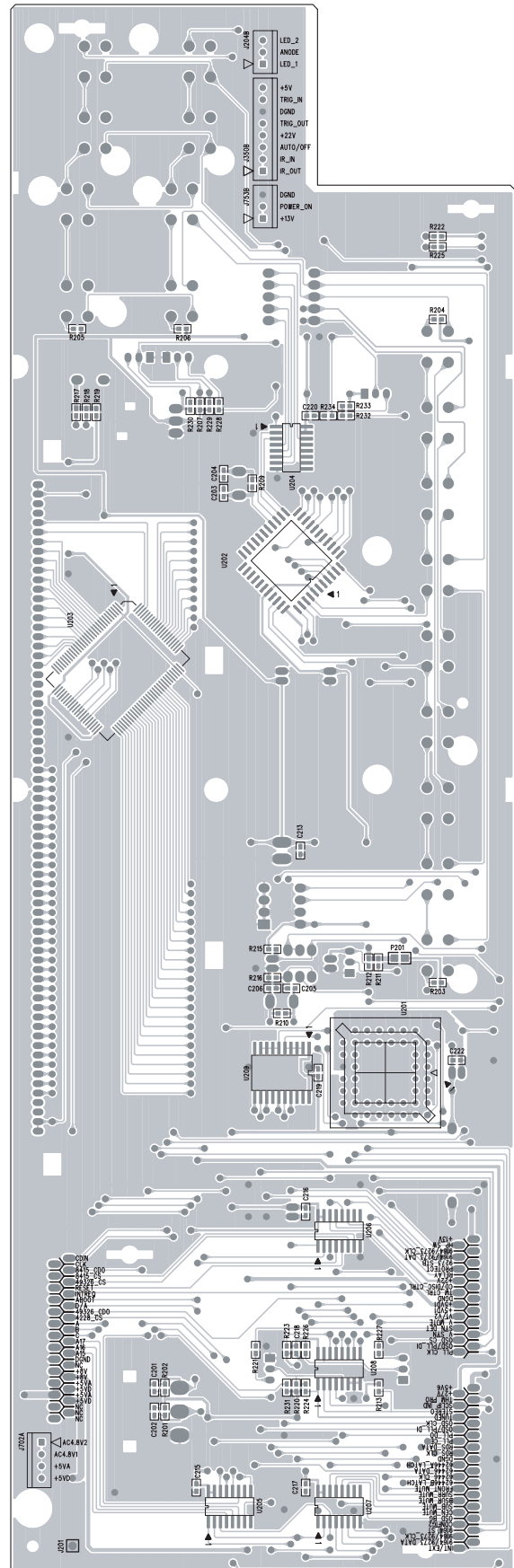
COMPONENT SIDE



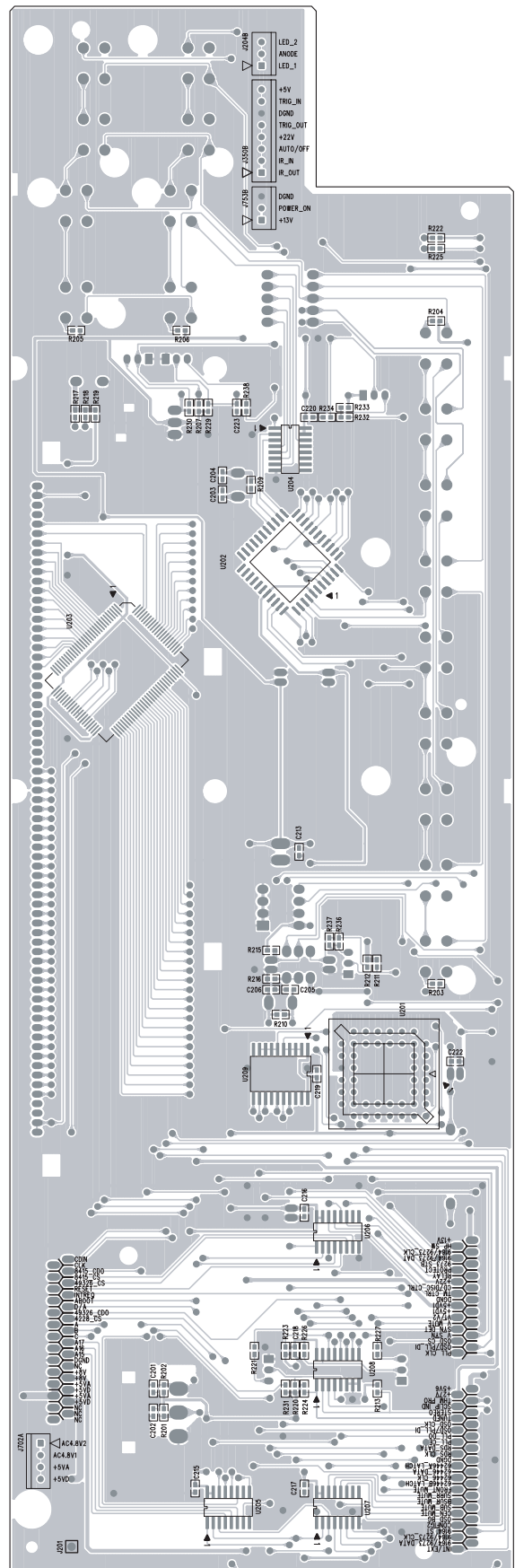
COPPER SIDE



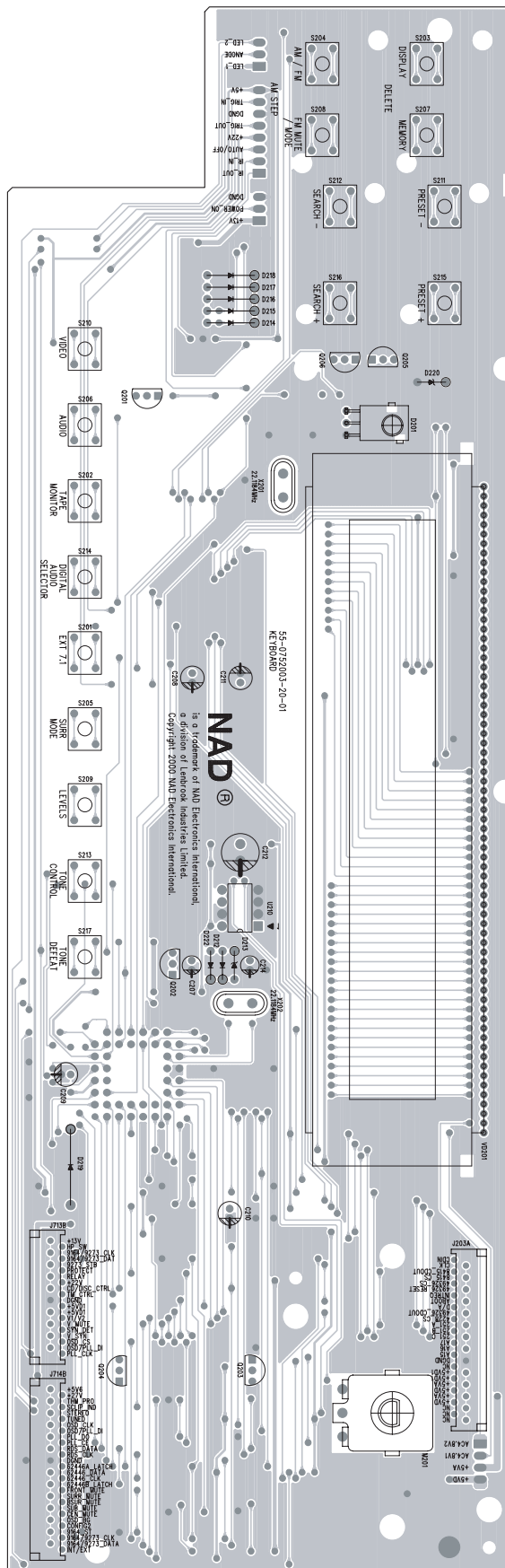
COPPER SIDE



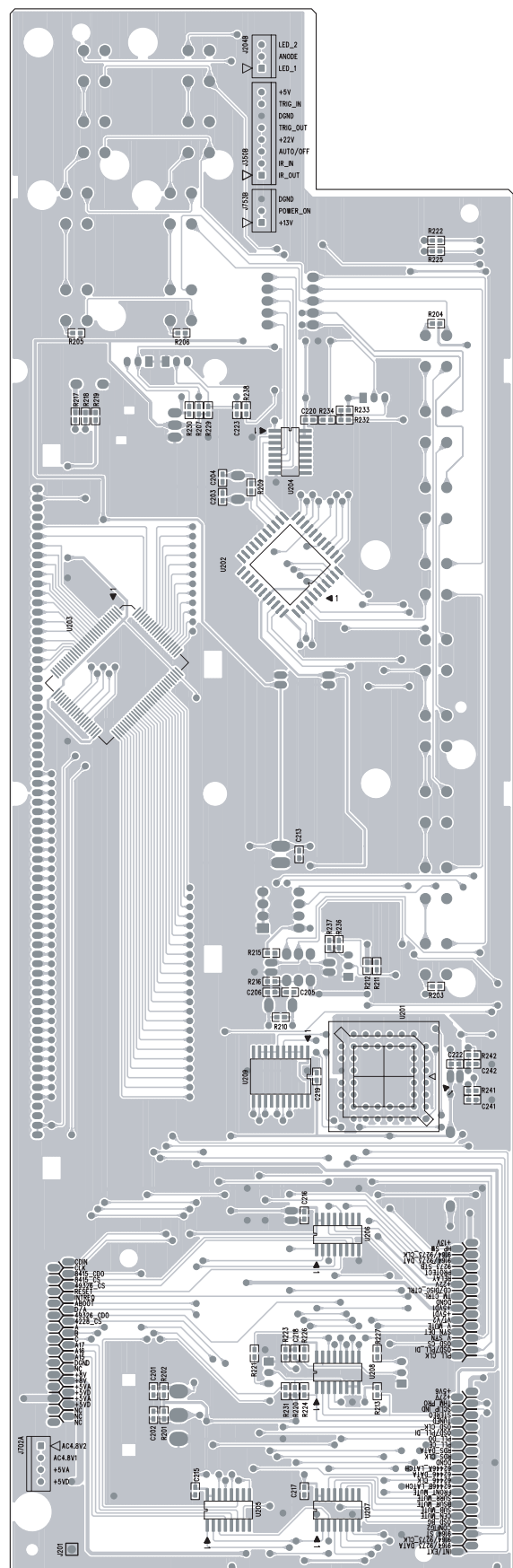
COPPER SIDE



COMPONENT SIDE

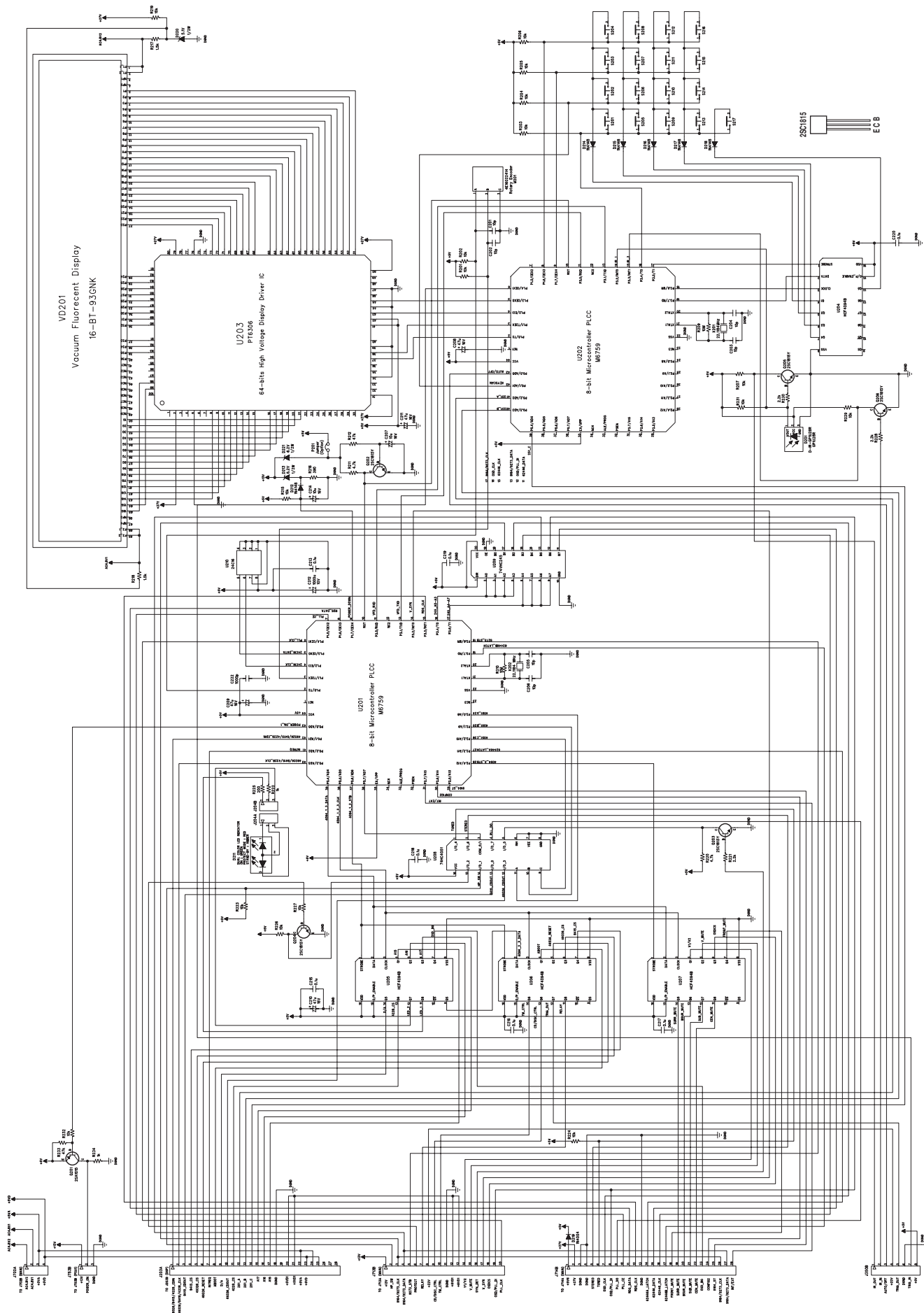


COPPER SIDE



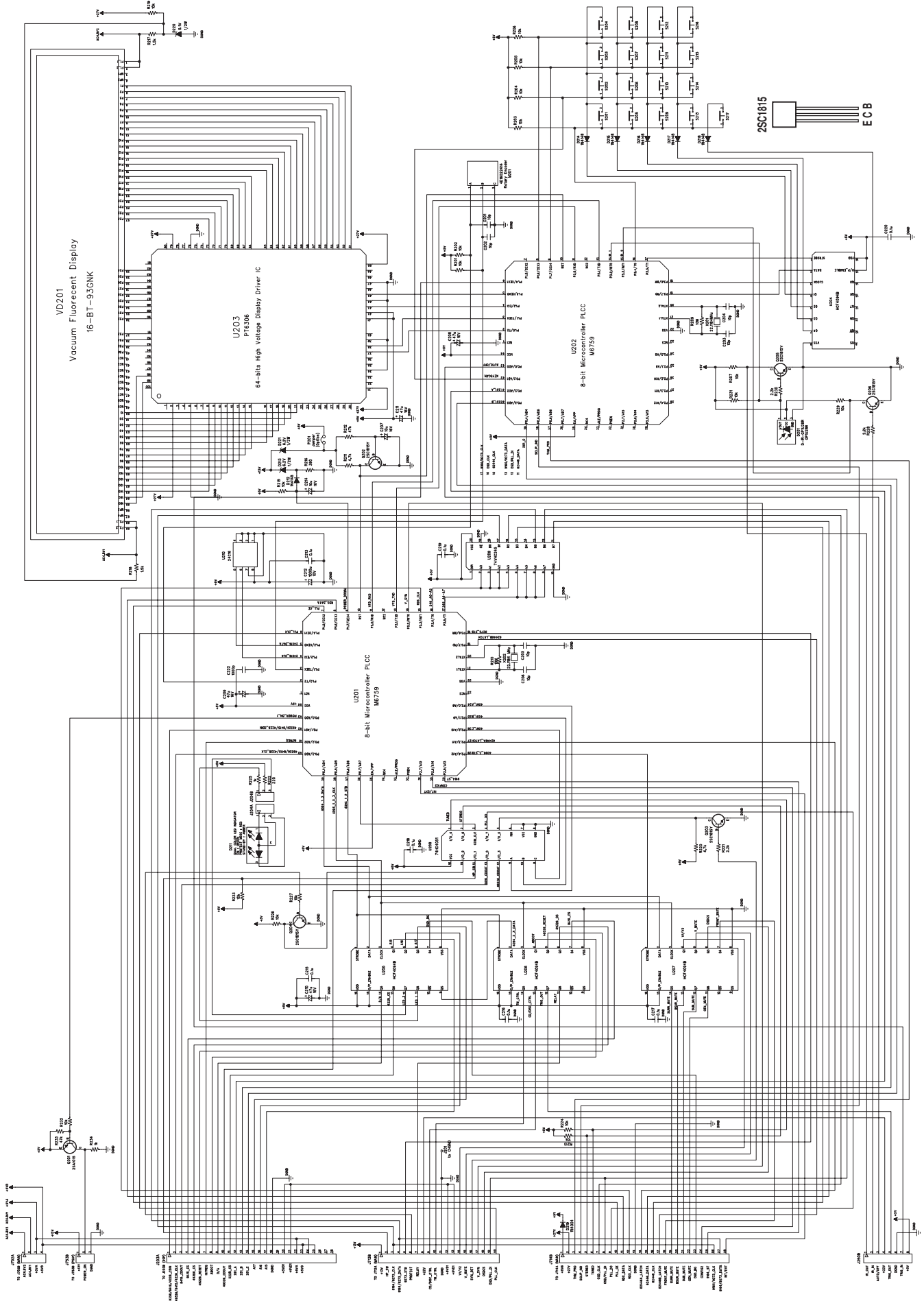
SCHEMATIC DIAGRAM

KEYBOARD (ISSUE 6)



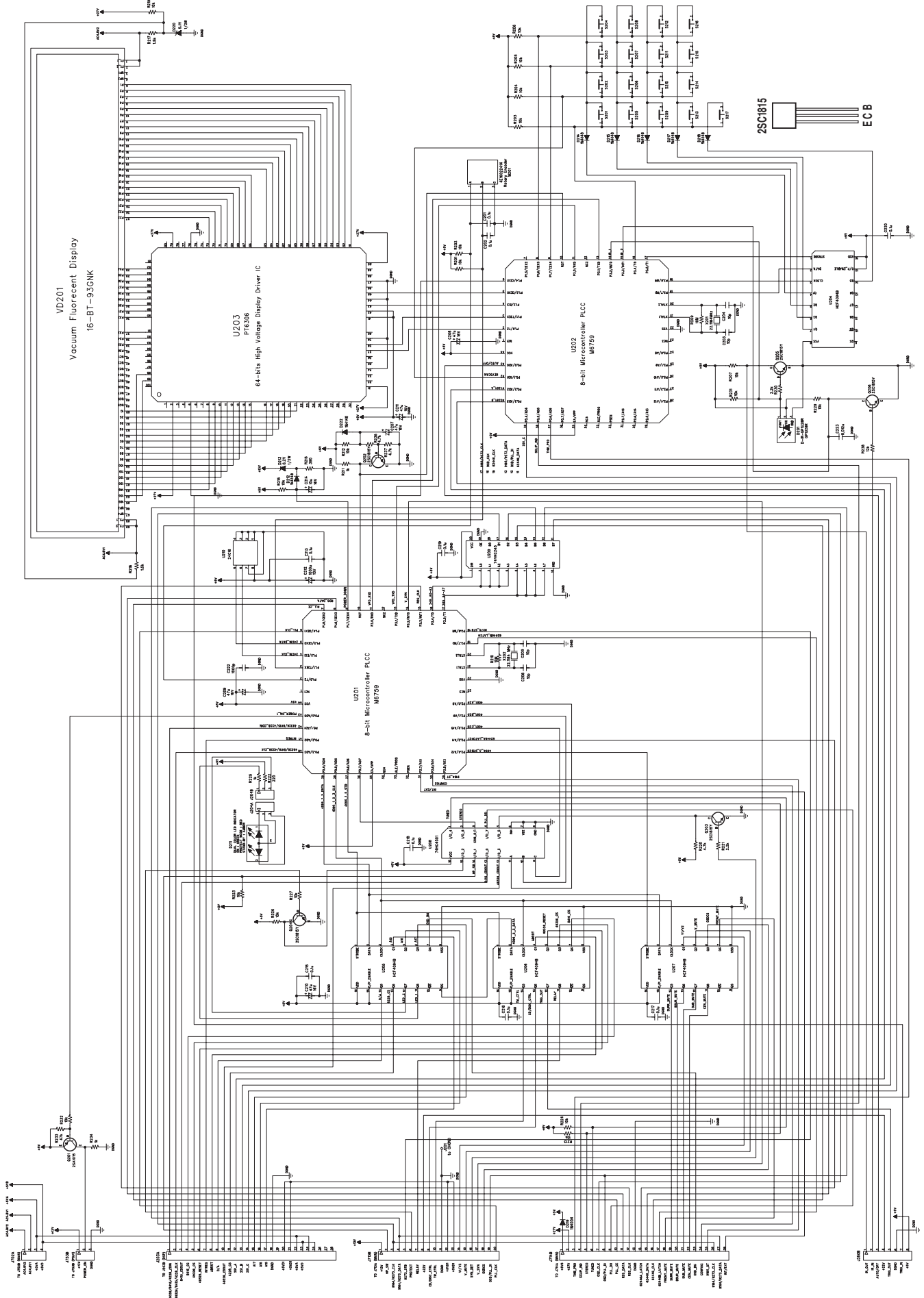
SCHEMATIC DIAGRAM

KEYBOARD (ISSUE 7)



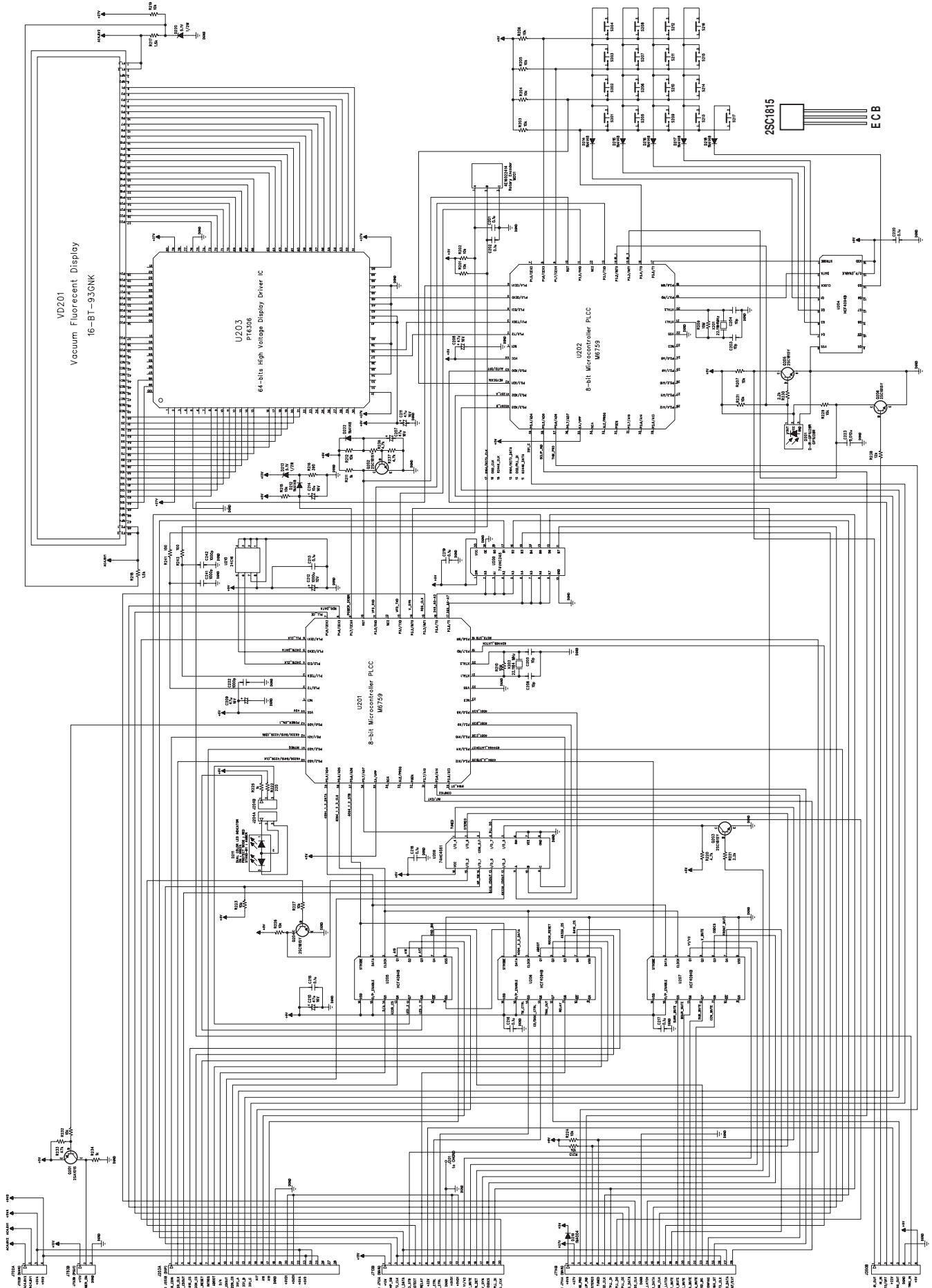
SCHEMATIC DIAGRAM

KEYBOARD (ISSUE 8)



SCHEMATIC DIAGRAM

KEYBOARD (PN-01)

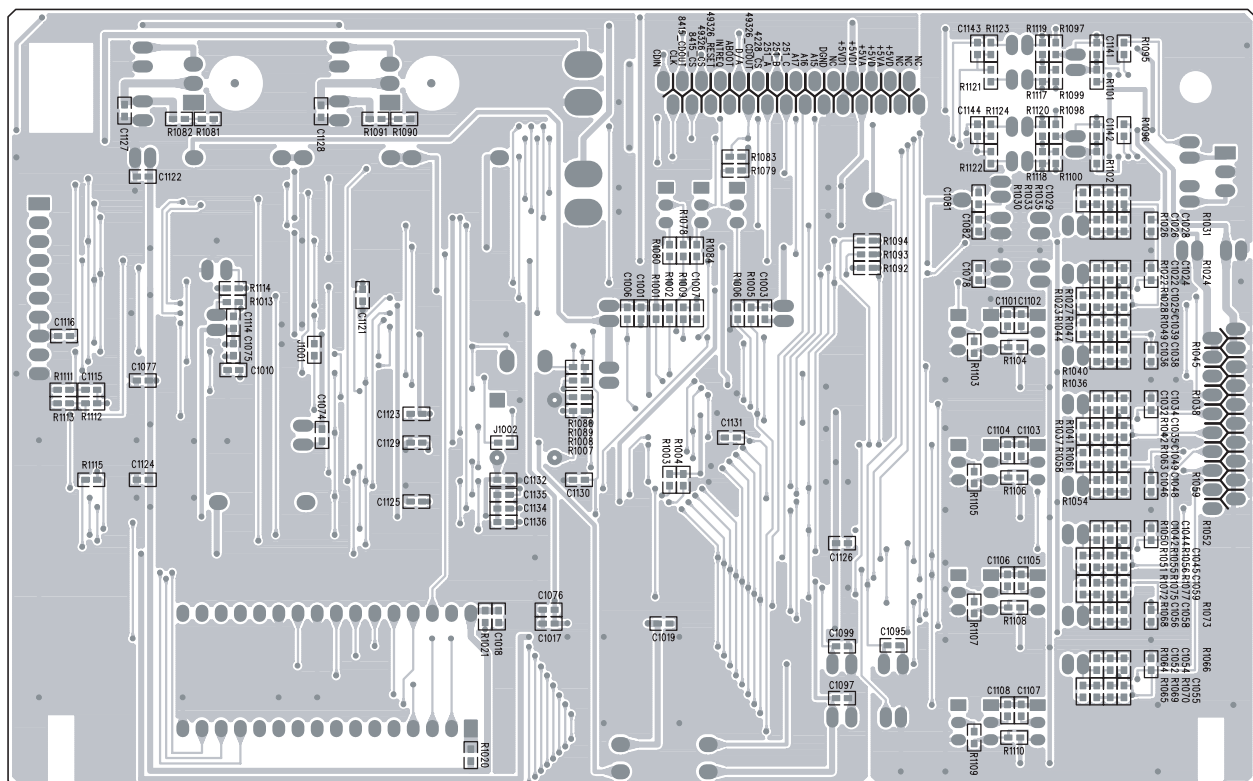


VERSION HISTORY

DSP BOARD

ISSUE	DESC. / PART NO.	CAUSE(S)	SERIAL NUMBER
ISSUE 6	DSP BOARD : 55-0752054-20-00 A6		R28T75200001-R28T75200280 R28T75200401-R28T75200481
ISSUE 7	DSP BOARD : 55-0752054-20-00 A7	<ul style="list-style-type: none"> No layout change 	R28T75200281-R28T75200400 R28T75200482-R28T75201253 R2XT75203301-R2XT75203460
ISSUE 8	DSP BOARD : 55-0752054-20-00 A8	<ul style="list-style-type: none"> Add RC of digital in Add Diode of 8415 RST 	R28T75201254-R29T75202800 R2XT75202801-R2XT75203300 R2XT75203461-R2XT75203514
PN-01	DSP BOARD : 55-0752054-20-01	<ul style="list-style-type: none"> No layout change 	R2XT75203515-R2XT75204550 R2YT75204551-R2YT75205594 R2YT75207629-R2YT75207685 R2ZT75205595-R2ZT75206600 R31T75206601-R31T75207100 R32T75207101-R32T75207600 R33T75207601-R33T75207727 R34T75207728-R34T75209227 R37T75209228-R37T75210377 R38T75210378-R38T75210667
PN-02	DSP BOARD : 55-0752054-20-02	<ul style="list-style-type: none"> No layout change 	

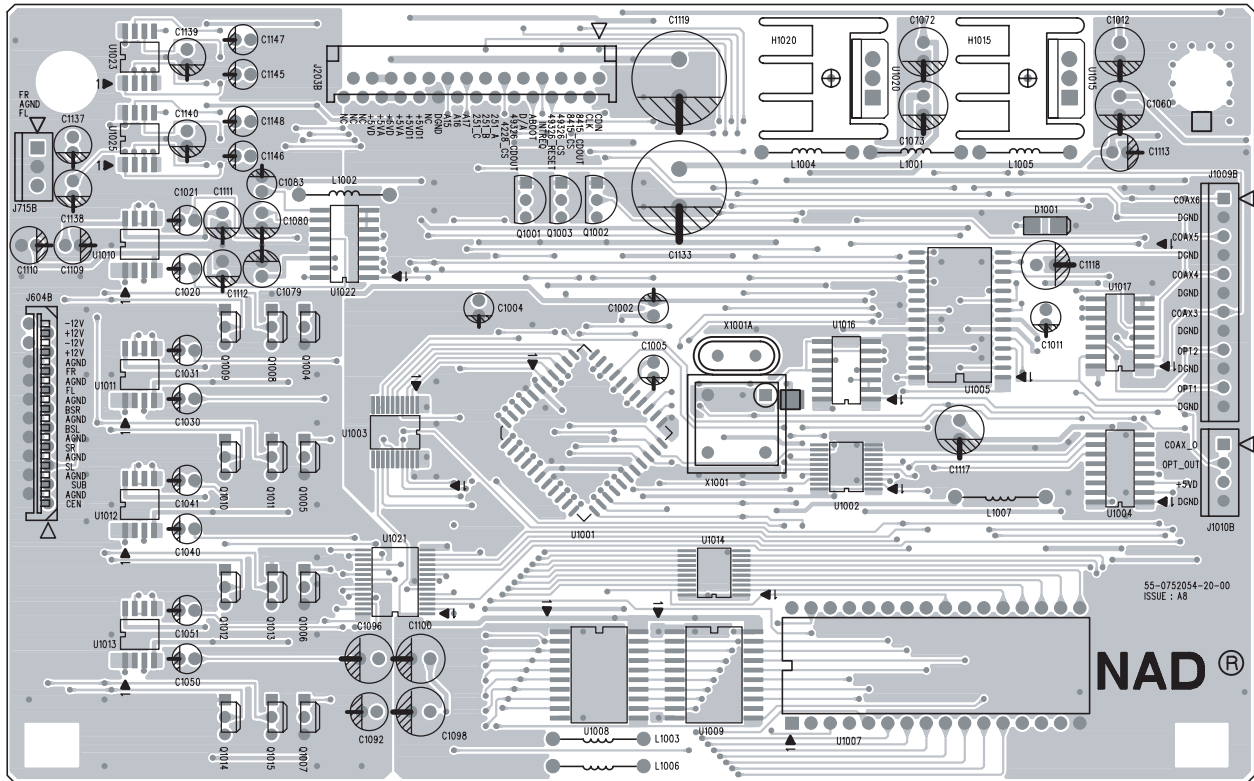
COMPONENT SIDE



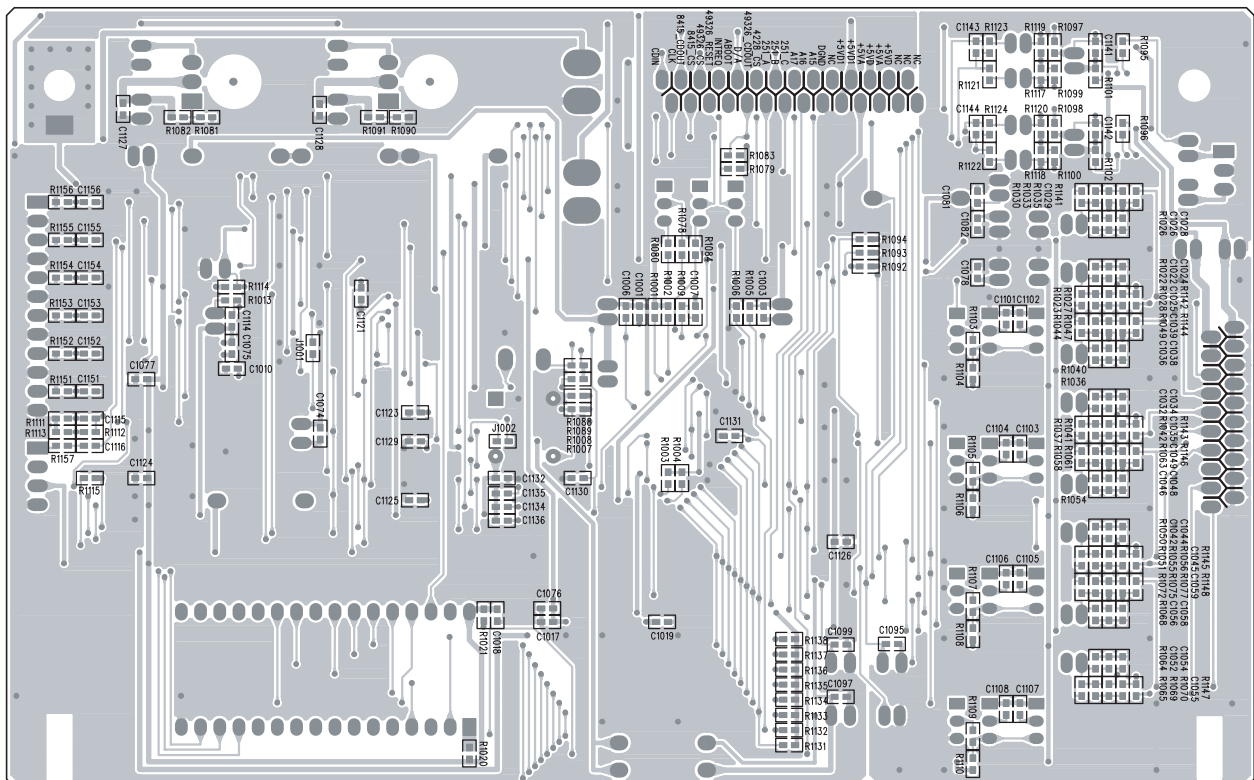
PCB LAYOUT

DSP BOARD (ISSUE 8)

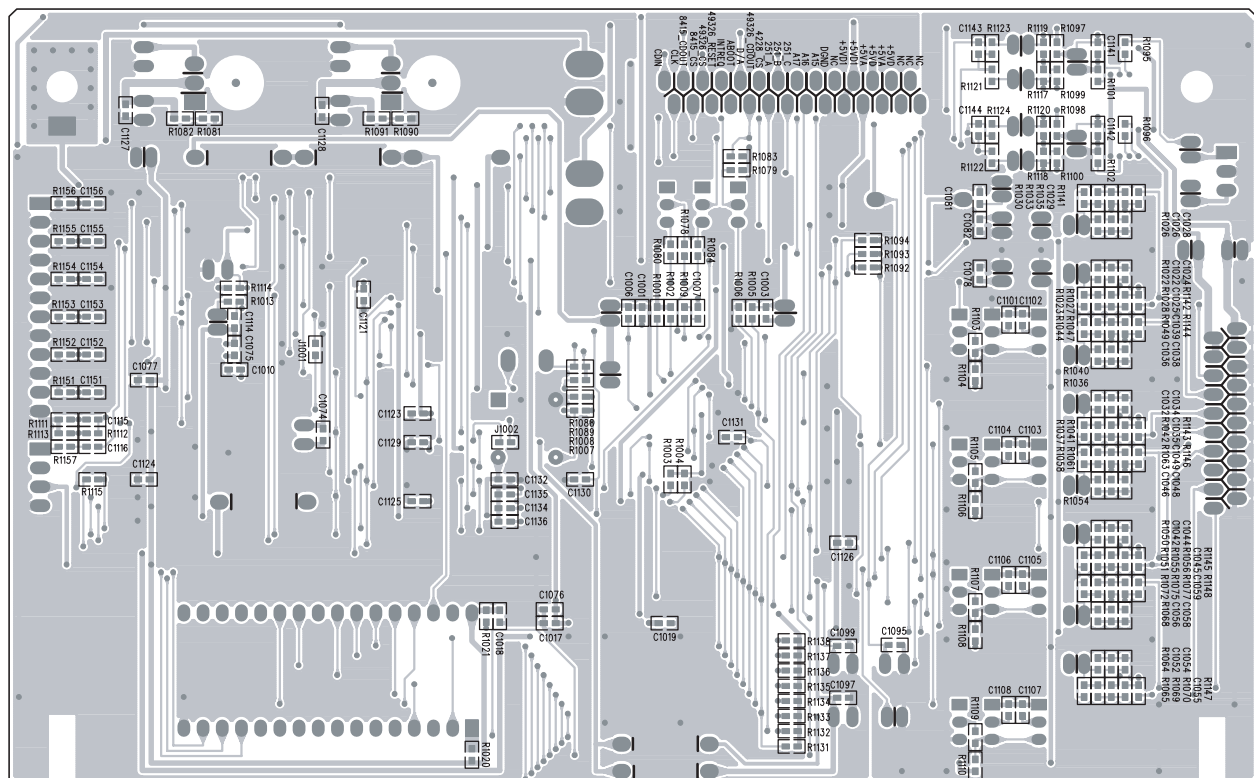
COMPONENT SIDE



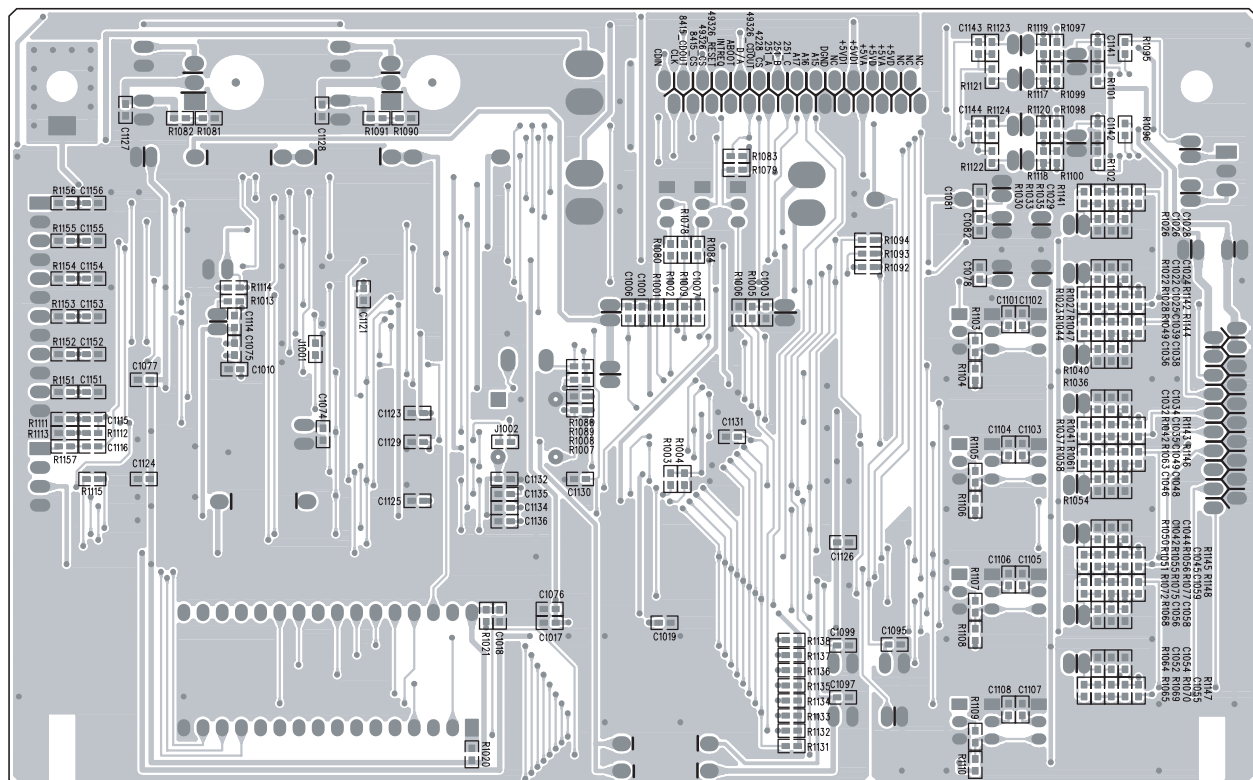
COPPER SIDE



COMPONENT SIDE

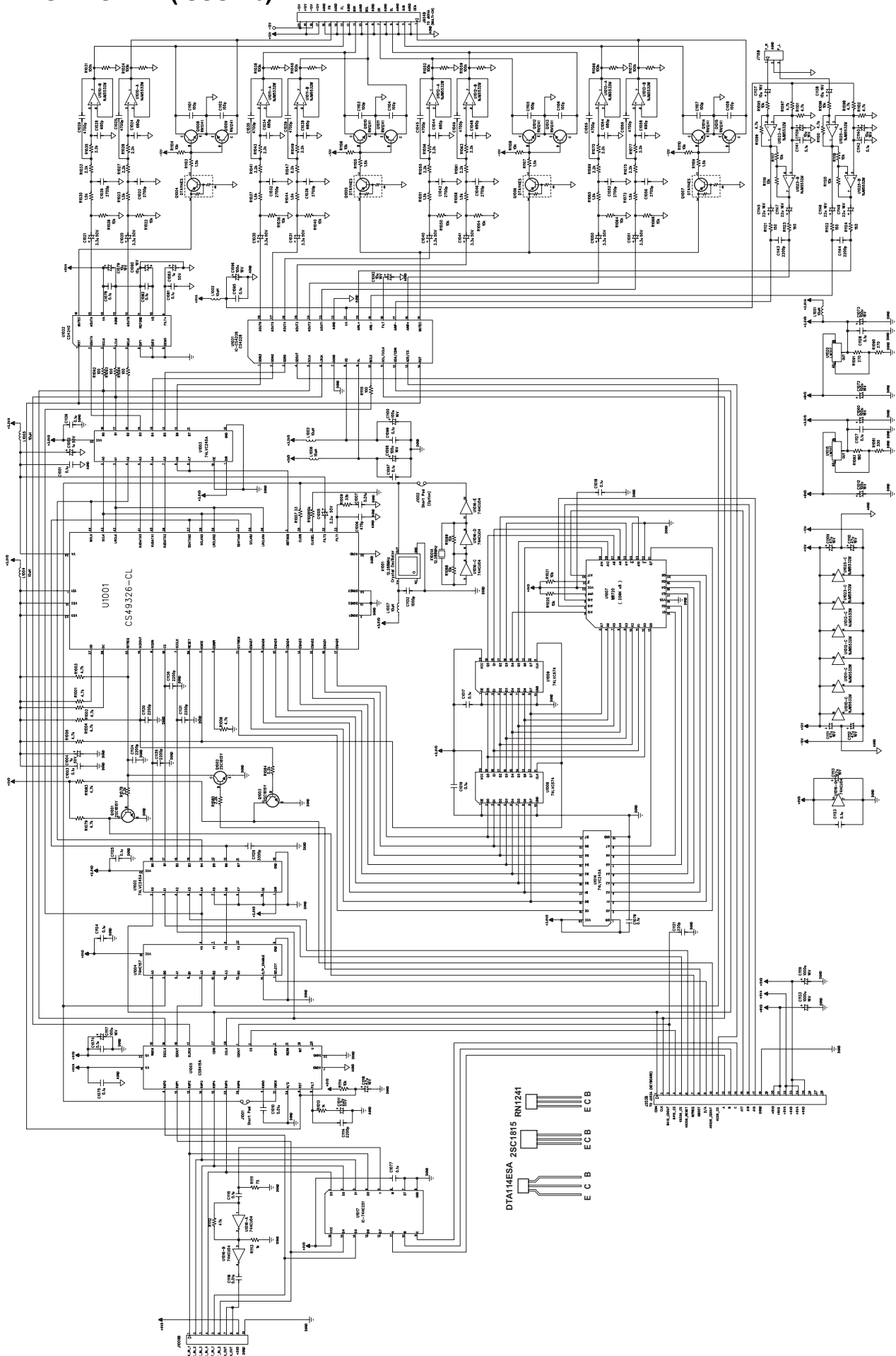


COMPONENT SIDE



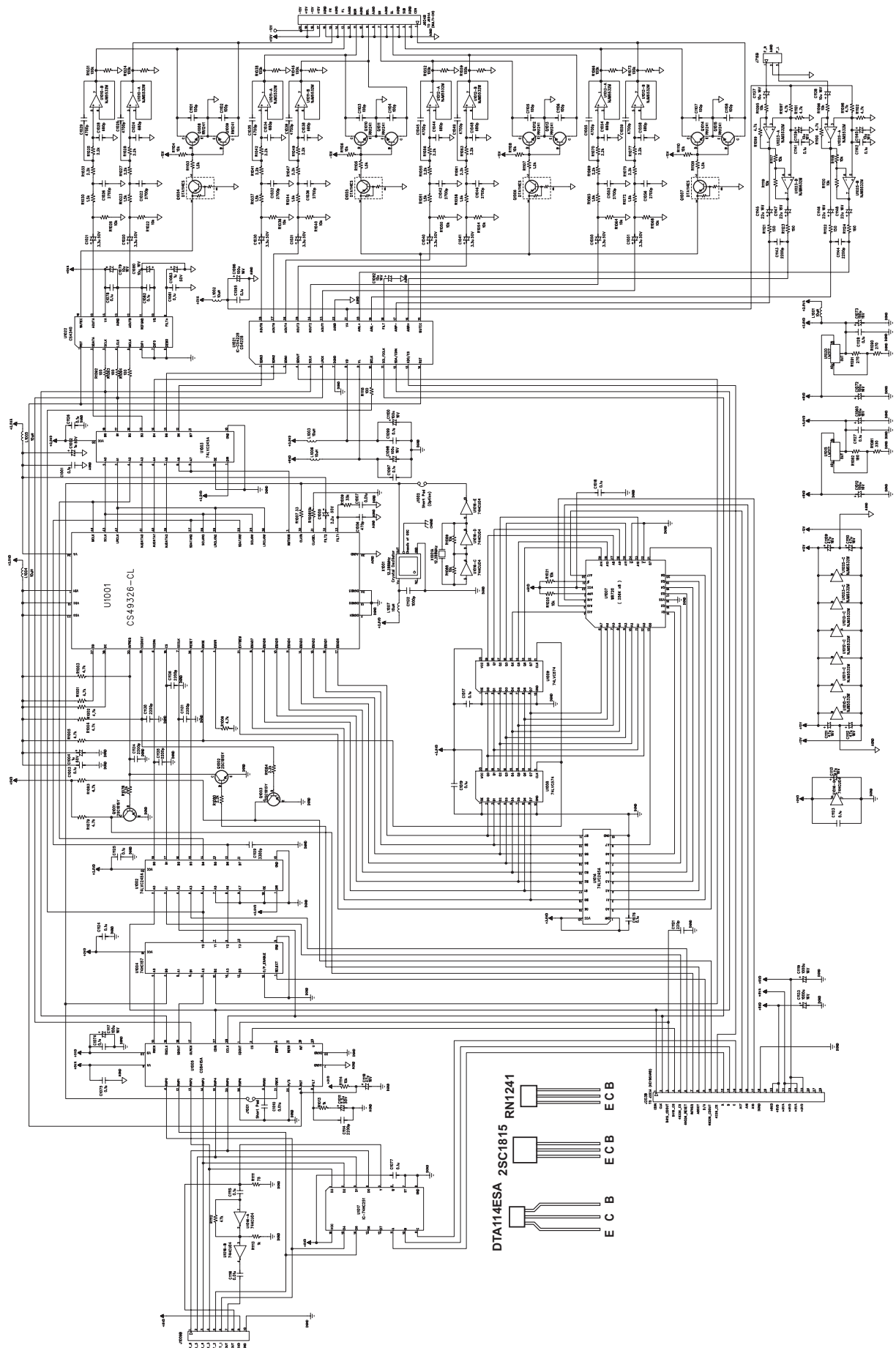
SCHEMATIC DIAGRAM

DSP BOARD (ISSUE 6)



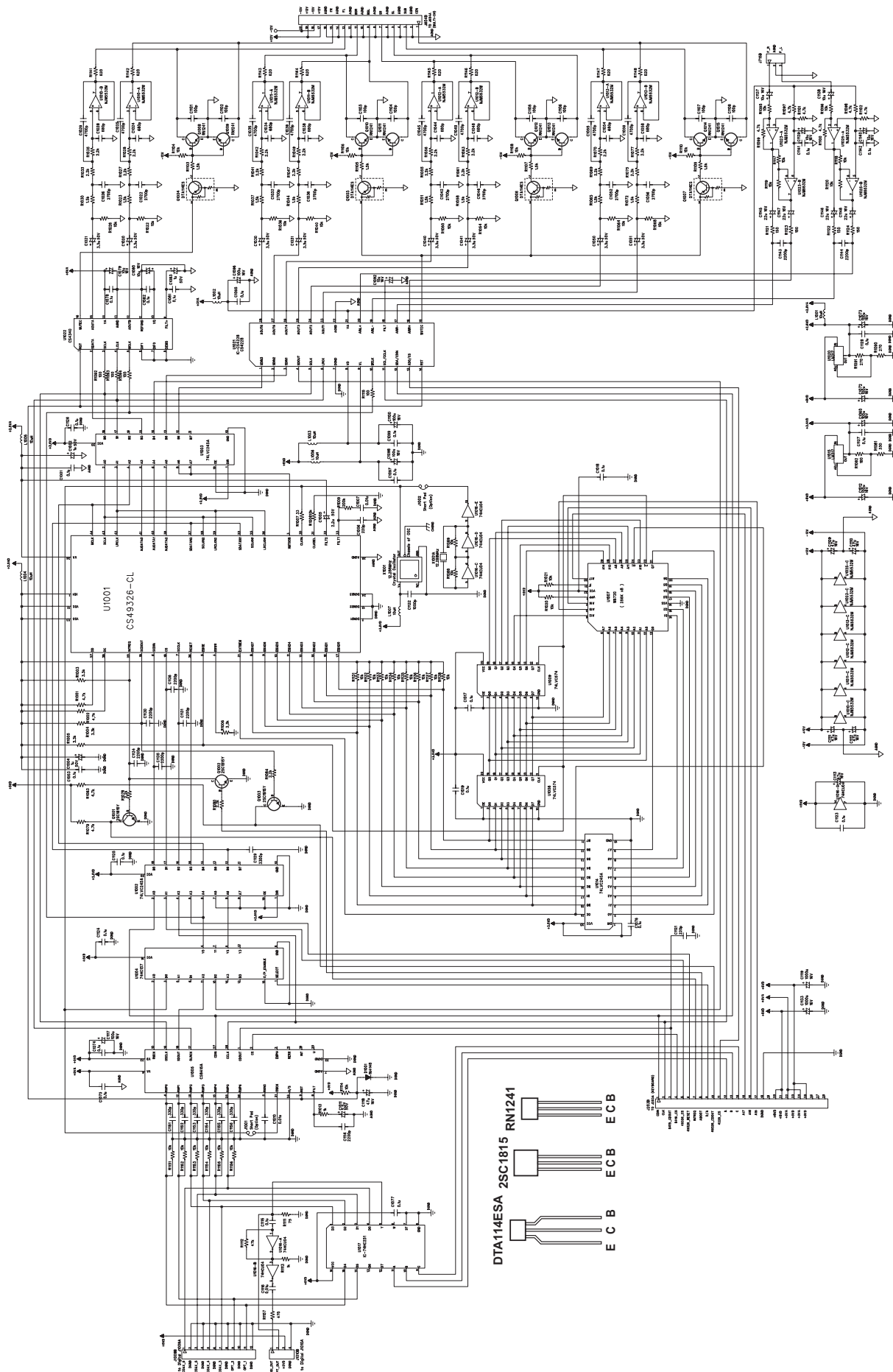
SCHEMATIC DIAGRAM

DSP BOARD (ISSUE 7)



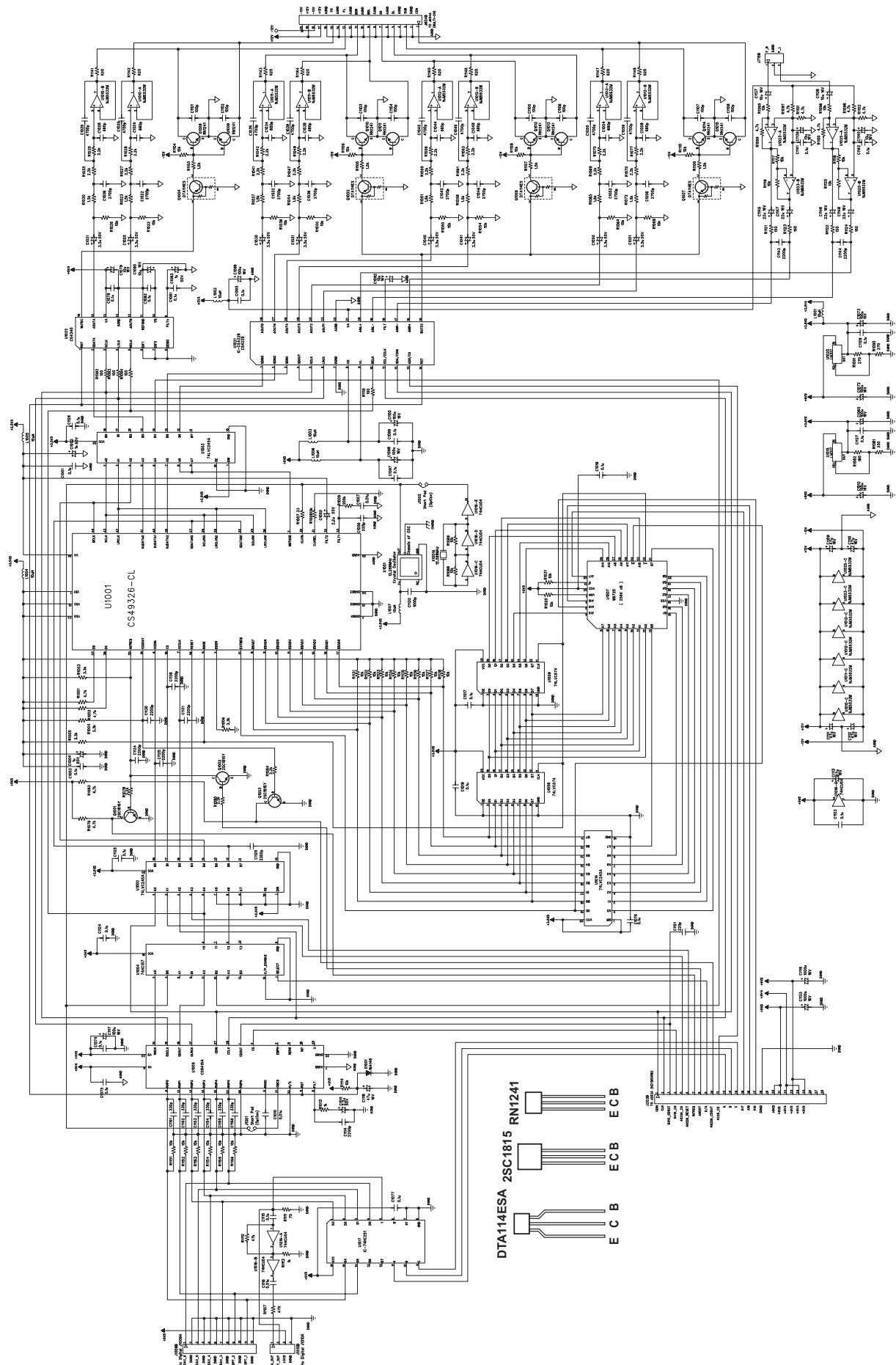
SCHEMATIC DIAGRAM

DSP BOARD (ISSUE 8)



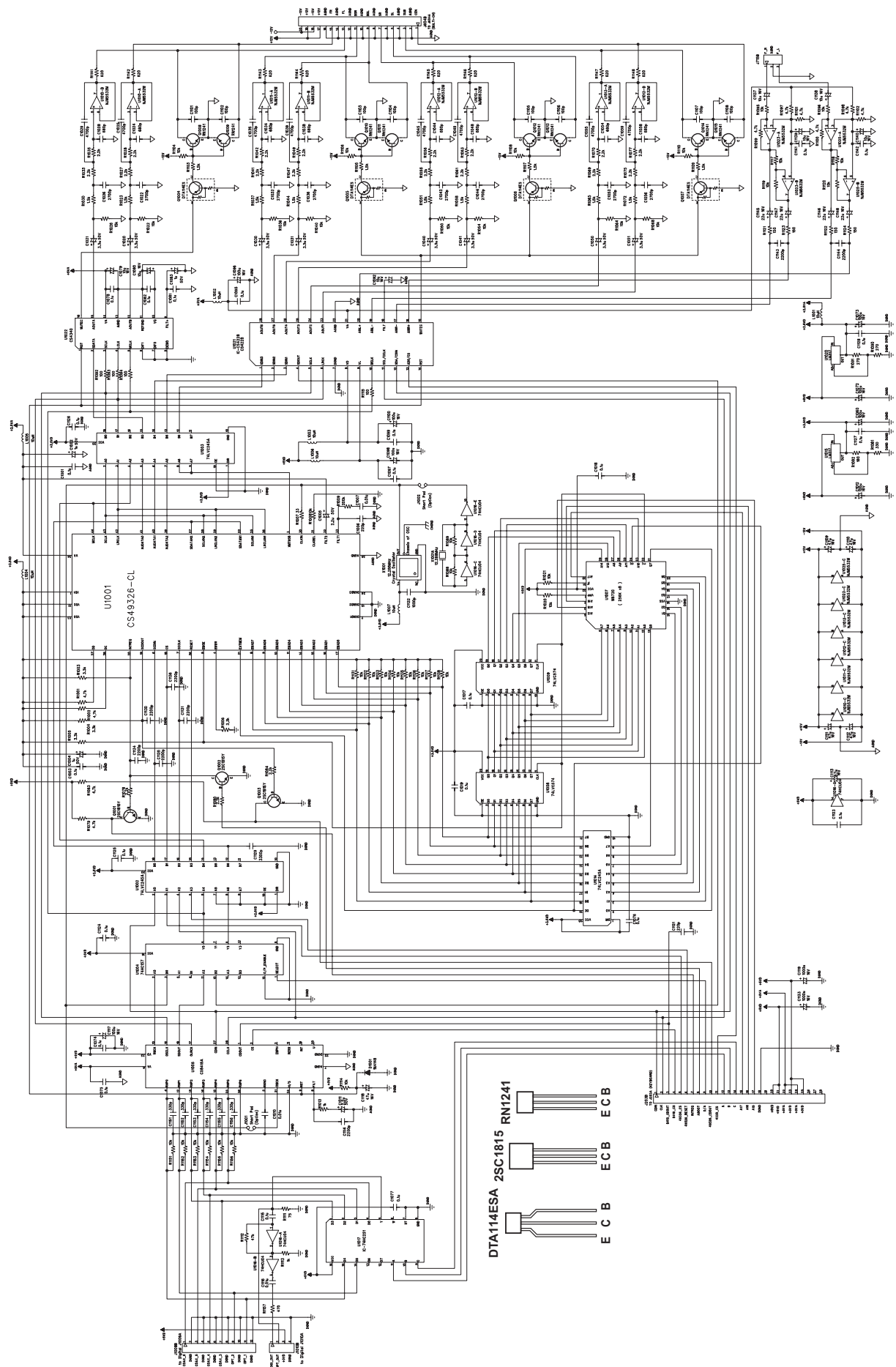
SCHEMATIC DIAGRAM

DSP BOARD (PN-01)



SCHEMATIC DIAGRAM

DSP BOARD (PN-02)



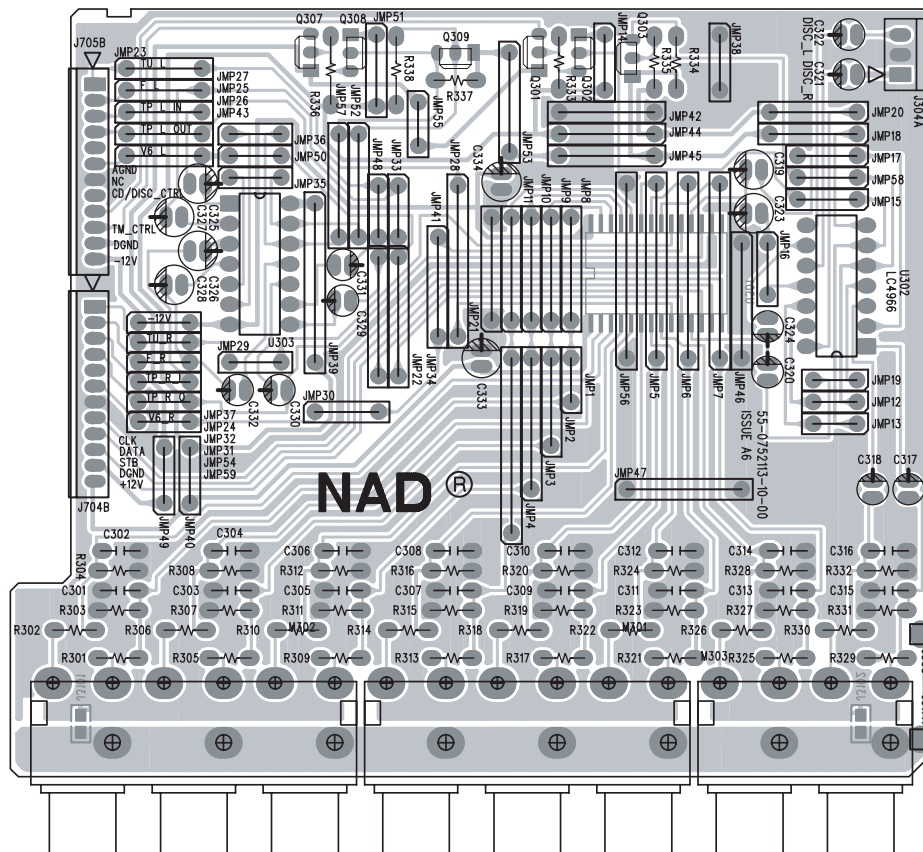
VERSION HISTORY

AUDIO BOARD

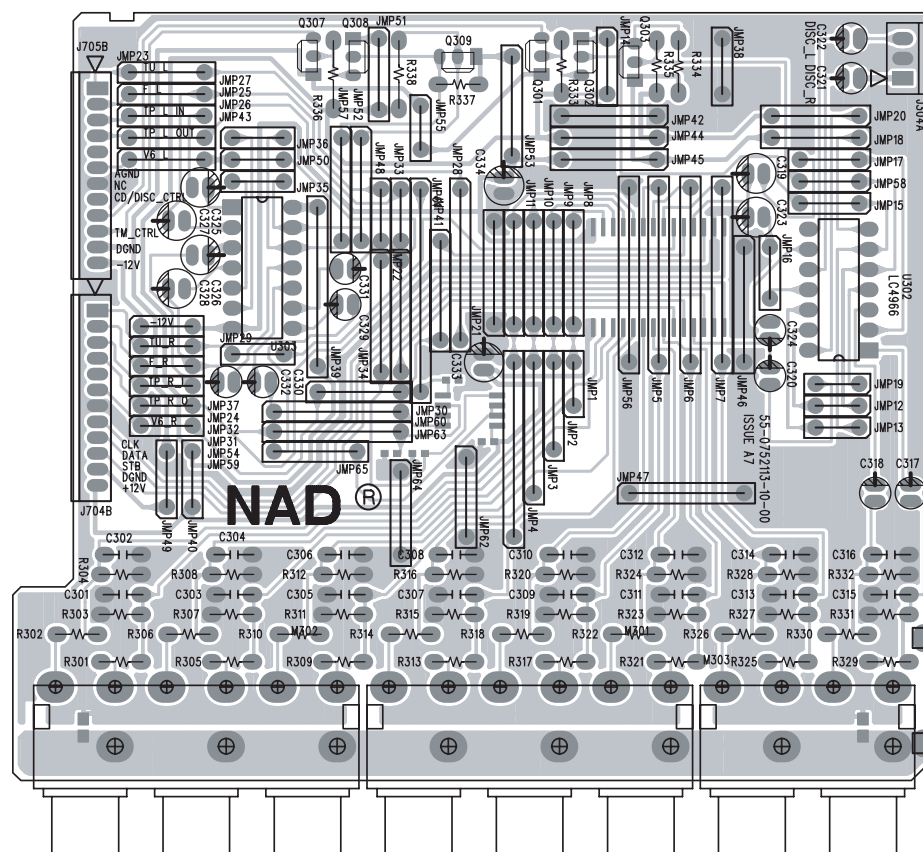
ISSUE	DESC. / PART NO.	CAUSE(S)	SERIAL NUMBER
ISSUE 6	AUDIO BOARD : 55-0752113-10-00 A6		R28T75200001-R28T75200280 R28T75200401-R28T75200481
ISSUE 7	AUDIO BOARD : 55-0752113-10-00 A7	<ul style="list-style-type: none"> • Add Oamp for Tape Out 	R28T75200281-R28T75200400 R28T75200482-R28T75201253 R2XT75203301-R2XT75203460
ISSUE 8	AUDIO BOARD : 55-0752113-10-00 A8	<ul style="list-style-type: none"> • No layout change 	R28T75201254-R29T75202800 R2XT75202801-R2XT75203300 R2XT75203461-R2XT75203514
PN-01	AUDIO BOARD : 55-0752113-10-01	<ul style="list-style-type: none"> • No layout change 	R2XT75203515-R2XT75204550 R2YT75204551-R2YT75205594 R2YT75207629-R2YT75207685 R2ZT75205595-R2ZT75206600 R31T75206601-R31T75207100 R32T75207101-R32T75207600 R33T75207601-R33T75207727 R34T75207728-R34T75209227 R37T75209228-R37T75210377 R38T75210378-R38T75210667
PN-02	AUDIO BOARD : 55-0752113-10-02	<ul style="list-style-type: none"> • No layout change 	
PN-03	AUDIO BOARD : 55-0752113-10-03	<ul style="list-style-type: none"> • No layout change 	

PCB LAYOUT

AUDIO BOARD (ISSUE 6)

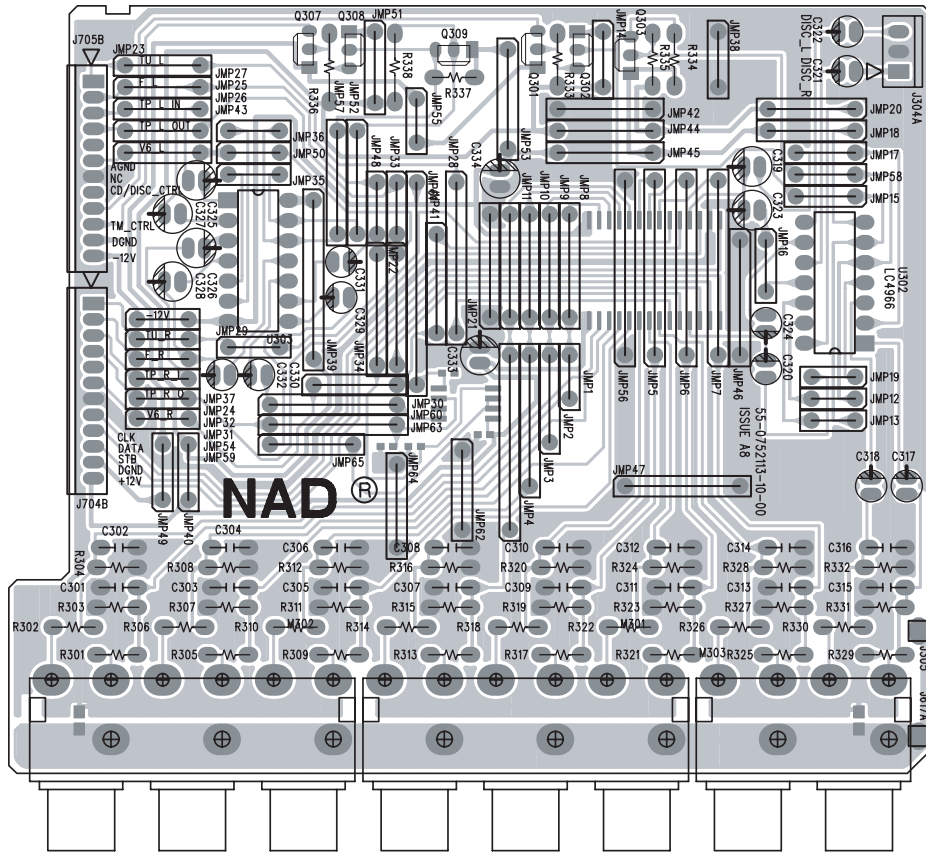


AUDIO BOARD (ISSUE 7)

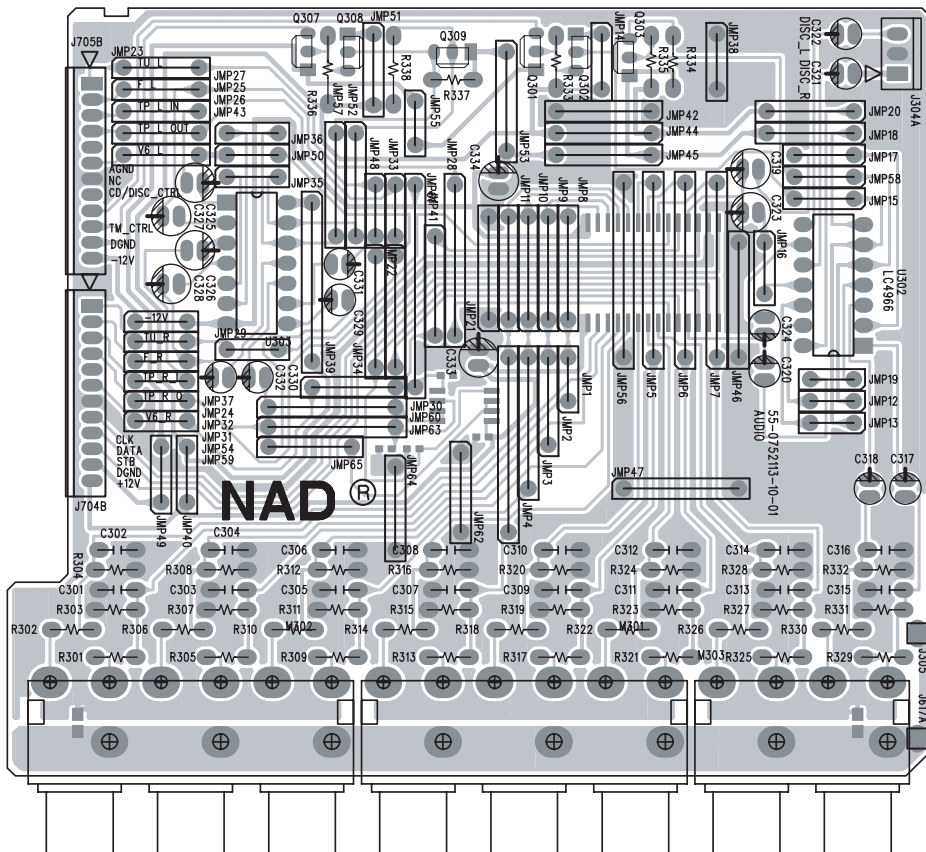


PCB LAYOUT

AUDIO BOARD (ISSUE 8)

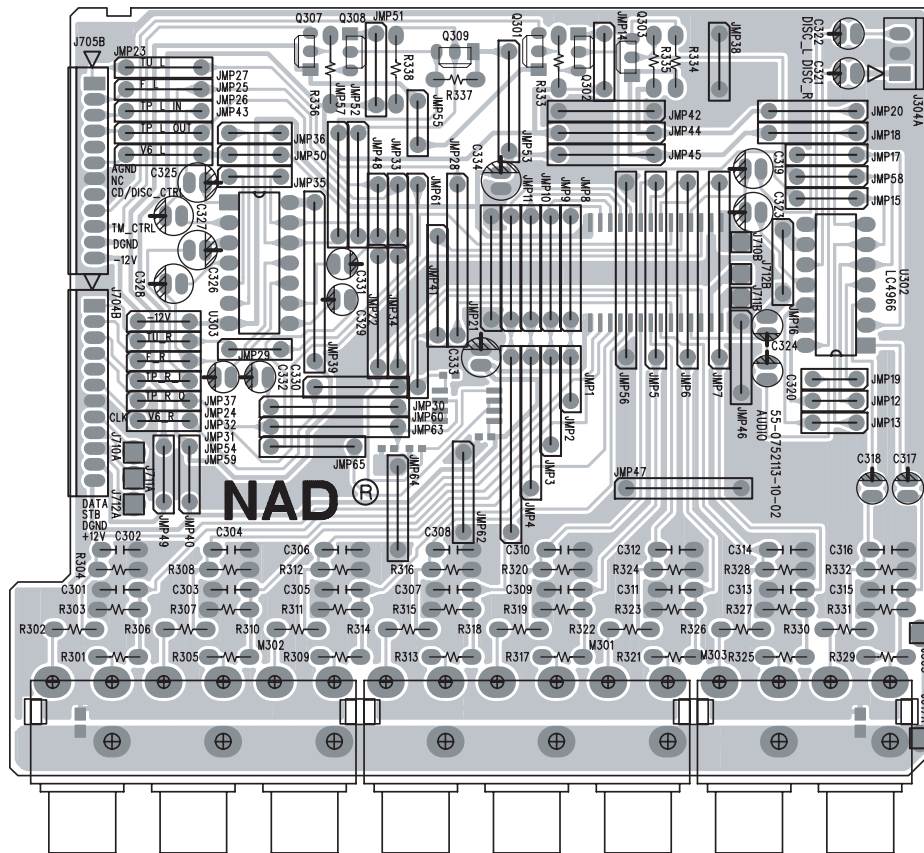


AUDIO BOARD (PN-01)

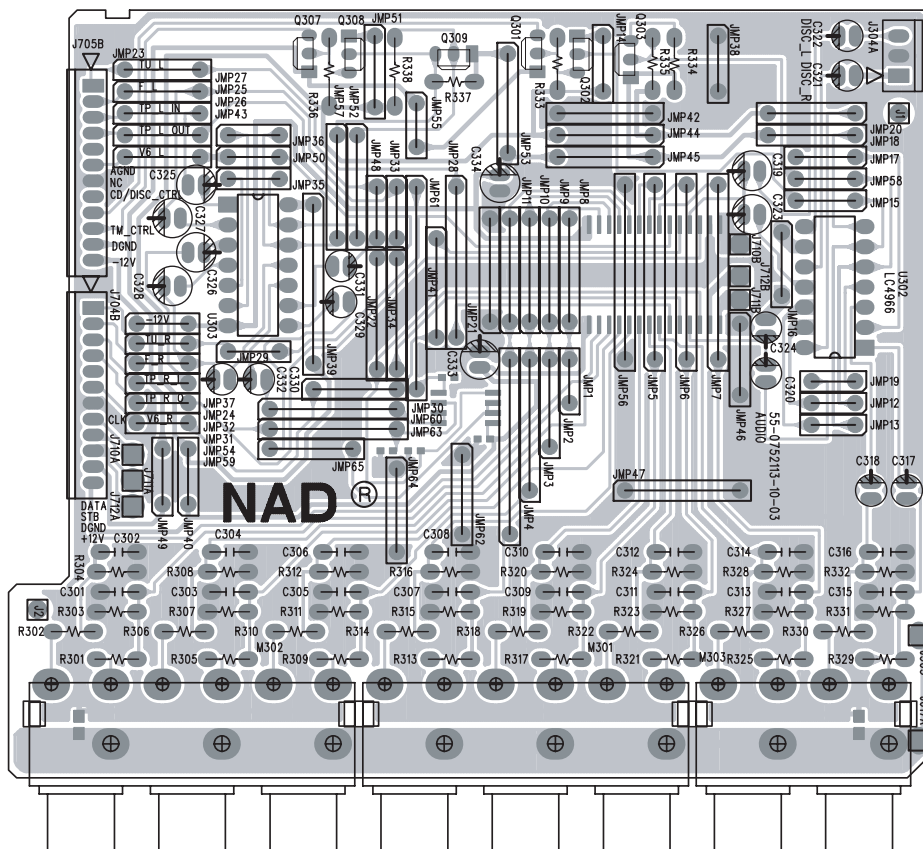


PCB LAYOUT

AUDIO BOARD (PN-02)

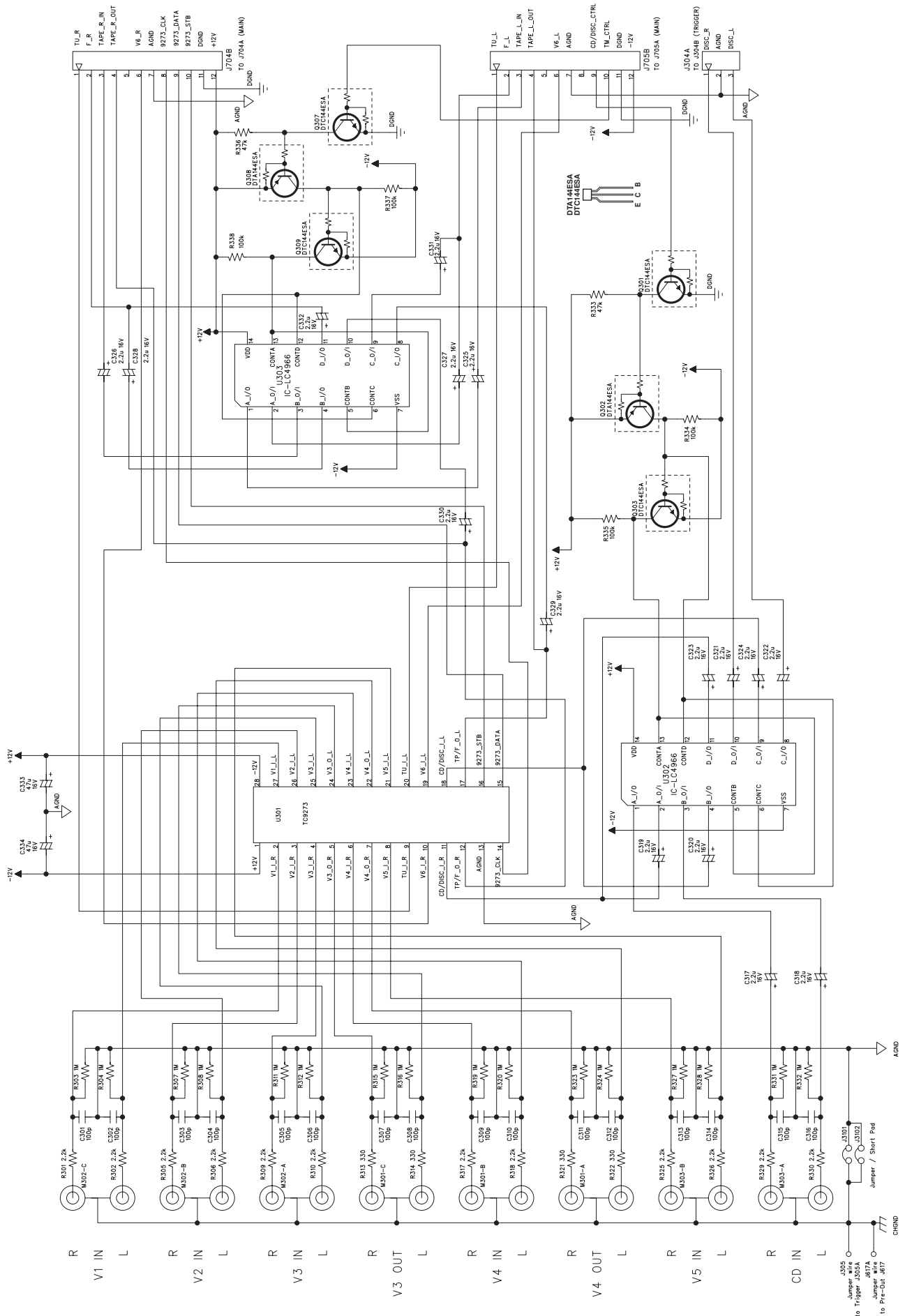


AUDIO BOARD (PN-03)



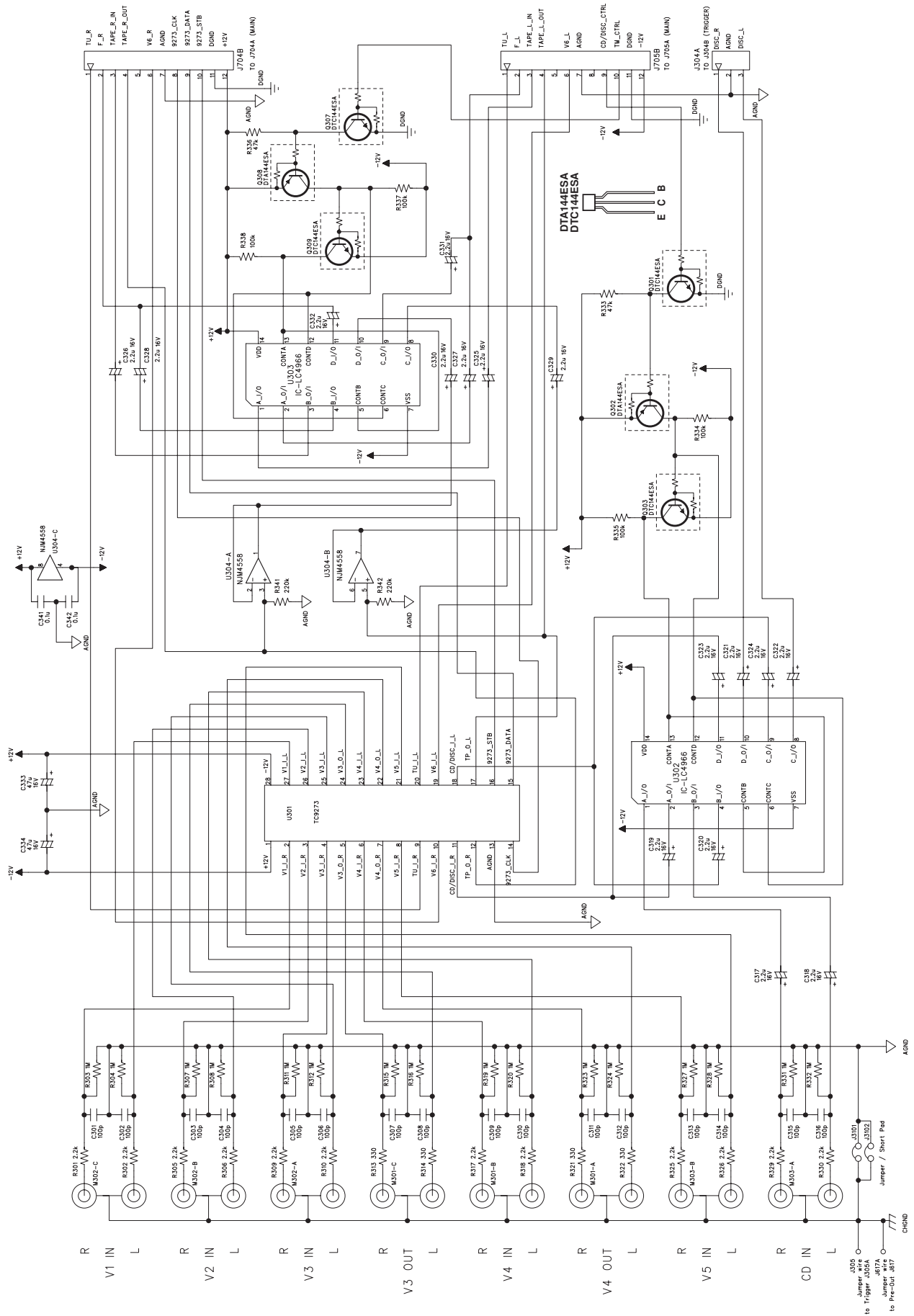
SCHEMATIC DIAGRAM

AUDIO BOARD (ISSUE 6)



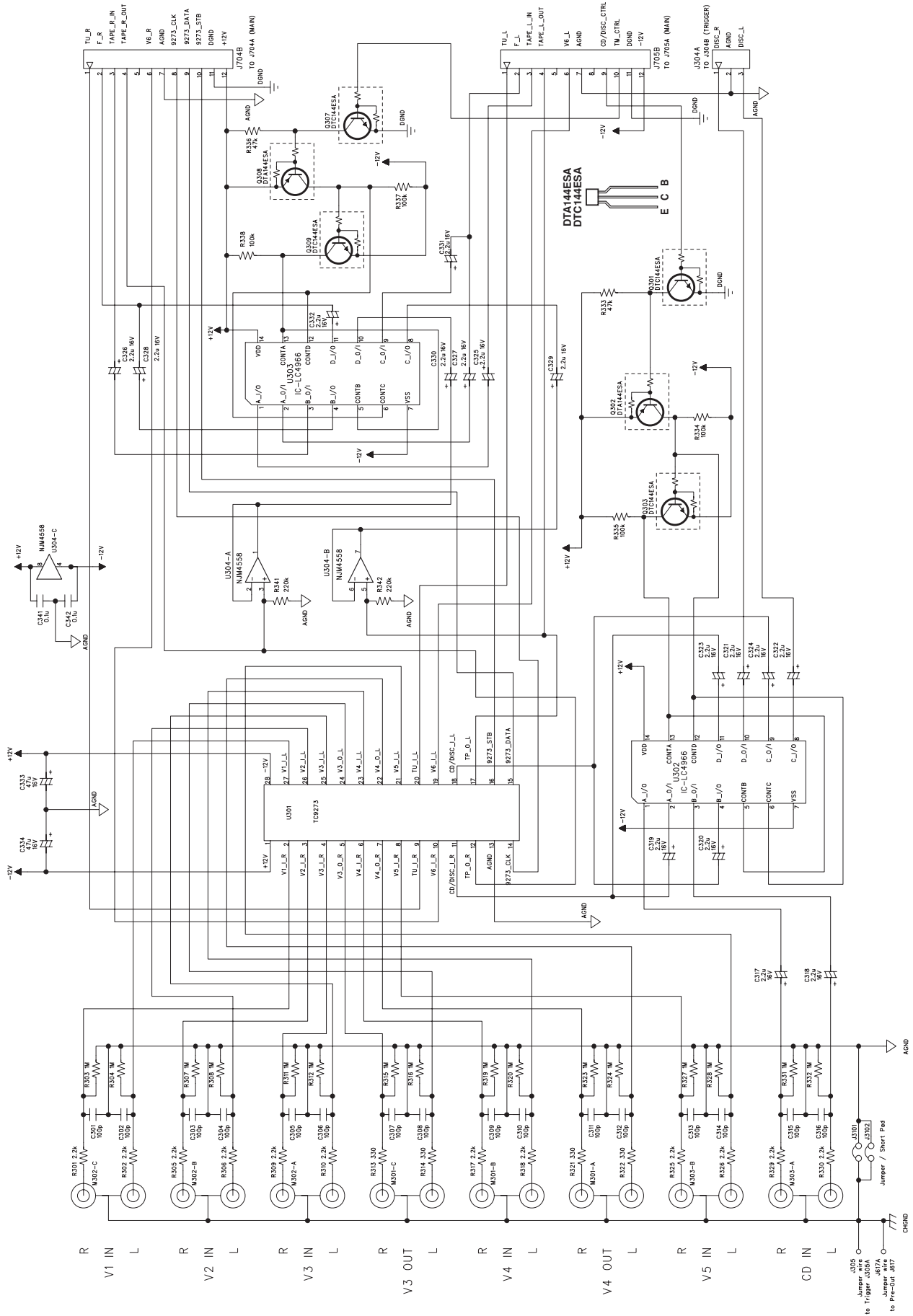
SCHEMATIC DIAGRAM

AUDIO BOARD (ISSUE 7)



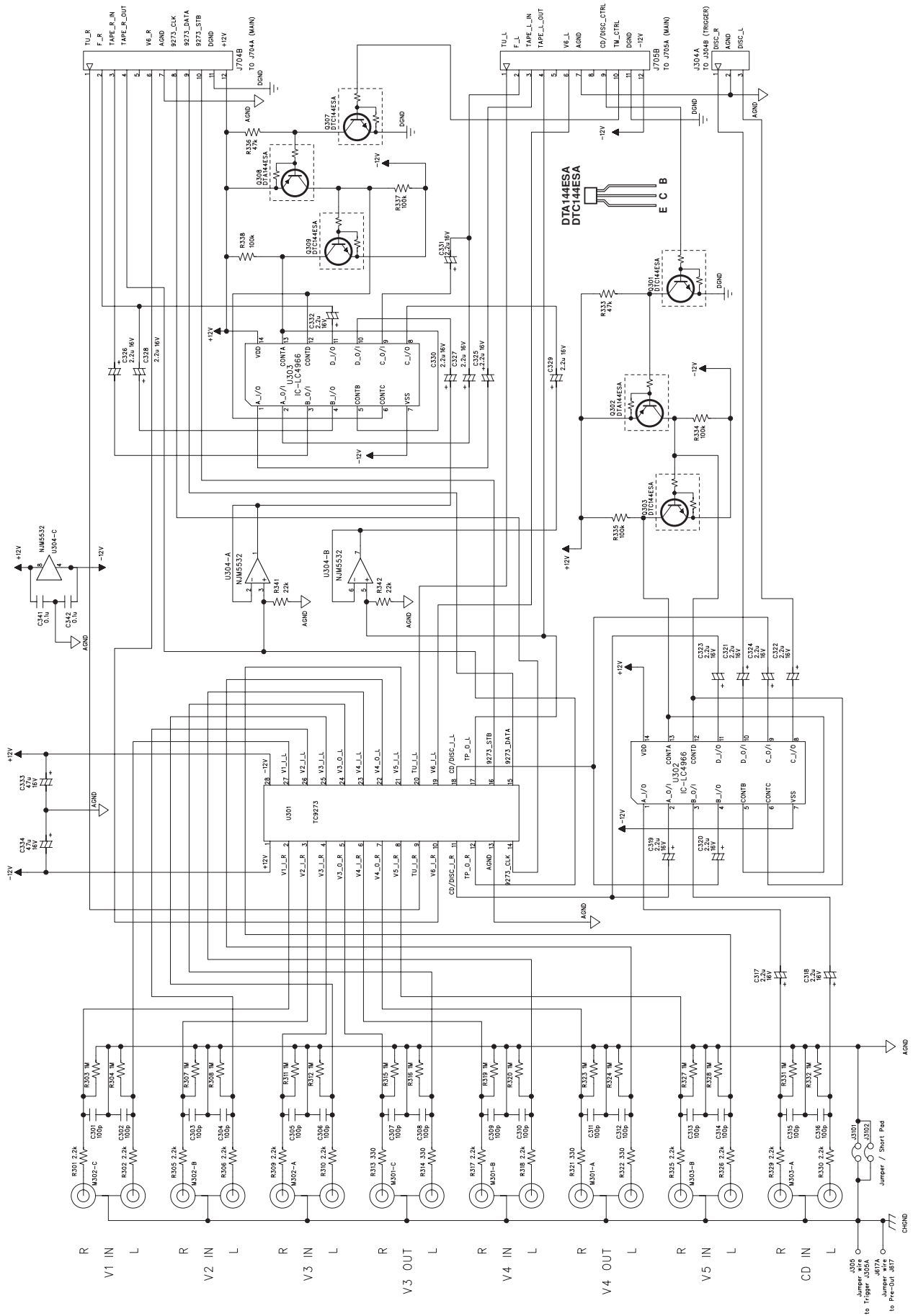
SCHEMATIC DIAGRAM

AUDIO BOARD (ISSUE 8)



SCHEMATIC DIAGRAM

AUDIO BOARD (PN-01 - PN-03)



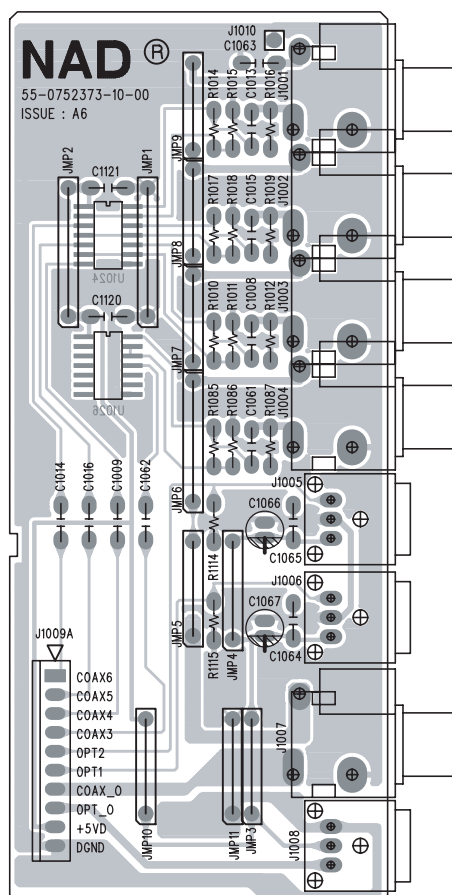
VERSION HISTORY

DIGITAL IN / OUT BOARD

ISSUE	DESC. / PART NO.	CAUSE(S)	SERIAL NUMBER
ISSUE 6	DIGITAL I/O BOARD : 55-0752373-10-00 A6		R28T75200001-R28T75200280 R28T75200401-R28T75200481
ISSUE 7	DIGITAL I/O BOARD : 55-0752373-10-00 A7	• Add resistor of DIGITAL IN 4	R28T75200281-R28T75200400 R28T75200482-R28T75201253 R2XT75203301-R2XT75203460
ISSUE 8	AUDIO BOARD : 55-0752373-10-00 A8	• No layout change	R28T75201254-R29T75202800 R2XT75202801-R2XT75203300 R2XT75203461-R2XT75203514
PN-01	AUDIO BOARD : 55-0752373-10-01	• No layout change	R2XT75203515-R2XT75204550 R2YT75204551-R2YT75205594 R2YT75207629-R2YT75207685 R2ZT75205595-R2ZT75206600 R31T75206601-R31T75207100 R32T75207101-R32T75207600 R33T75207601-R33T75207727 R34T75207728-R34T75209227 R37T75209228-R37T75210377 R38T75210378-R38T75210667
PN-02	AUDIO BOARD : 55-075373-10-02	• No layout change	

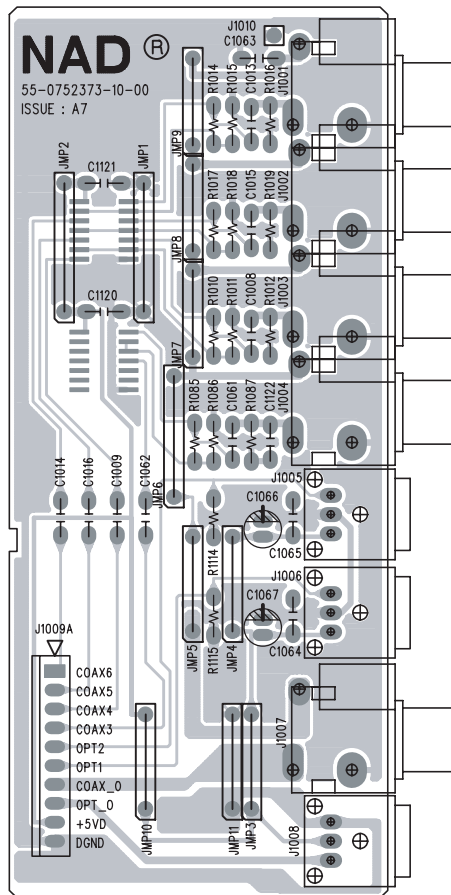
PCB LAYOUT

DIGITAL IN / OUT BOARD (ISSUE 6)

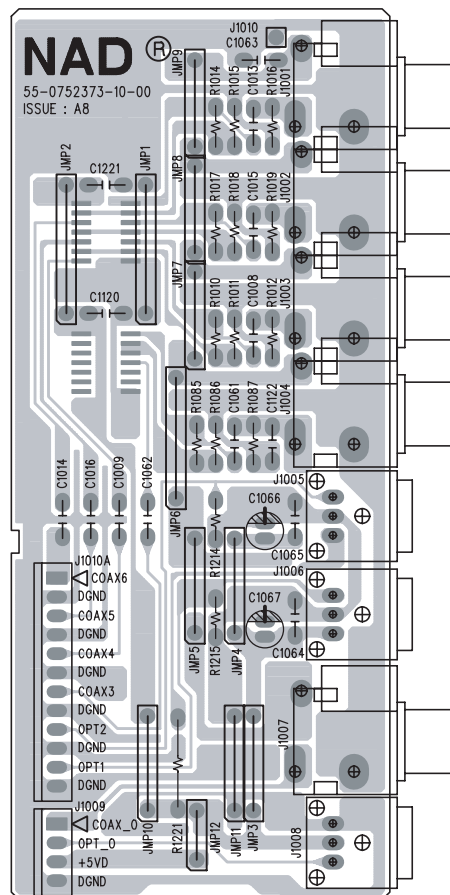


PCB LAYOUT

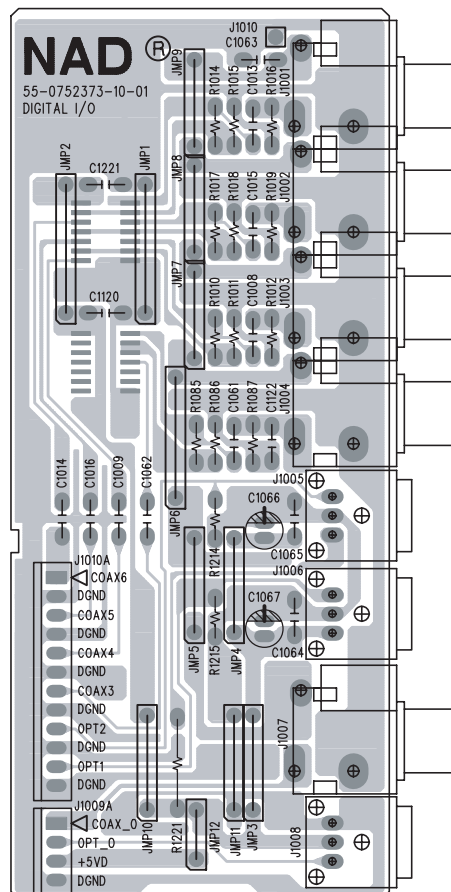
DIGITAL IN / OUT BOARD (ISSUE 7)



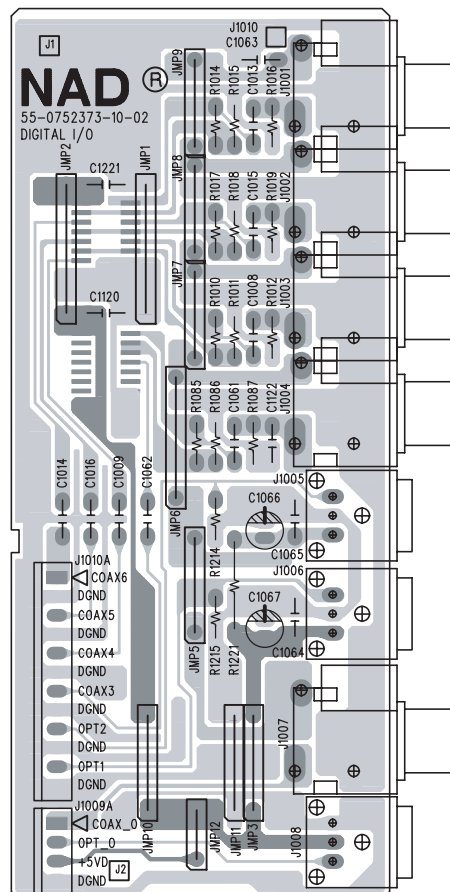
DIGITAL IN / OUT BOARD (ISSUE 8)



DIGITAL IN / OUT BOARD (PN-01)

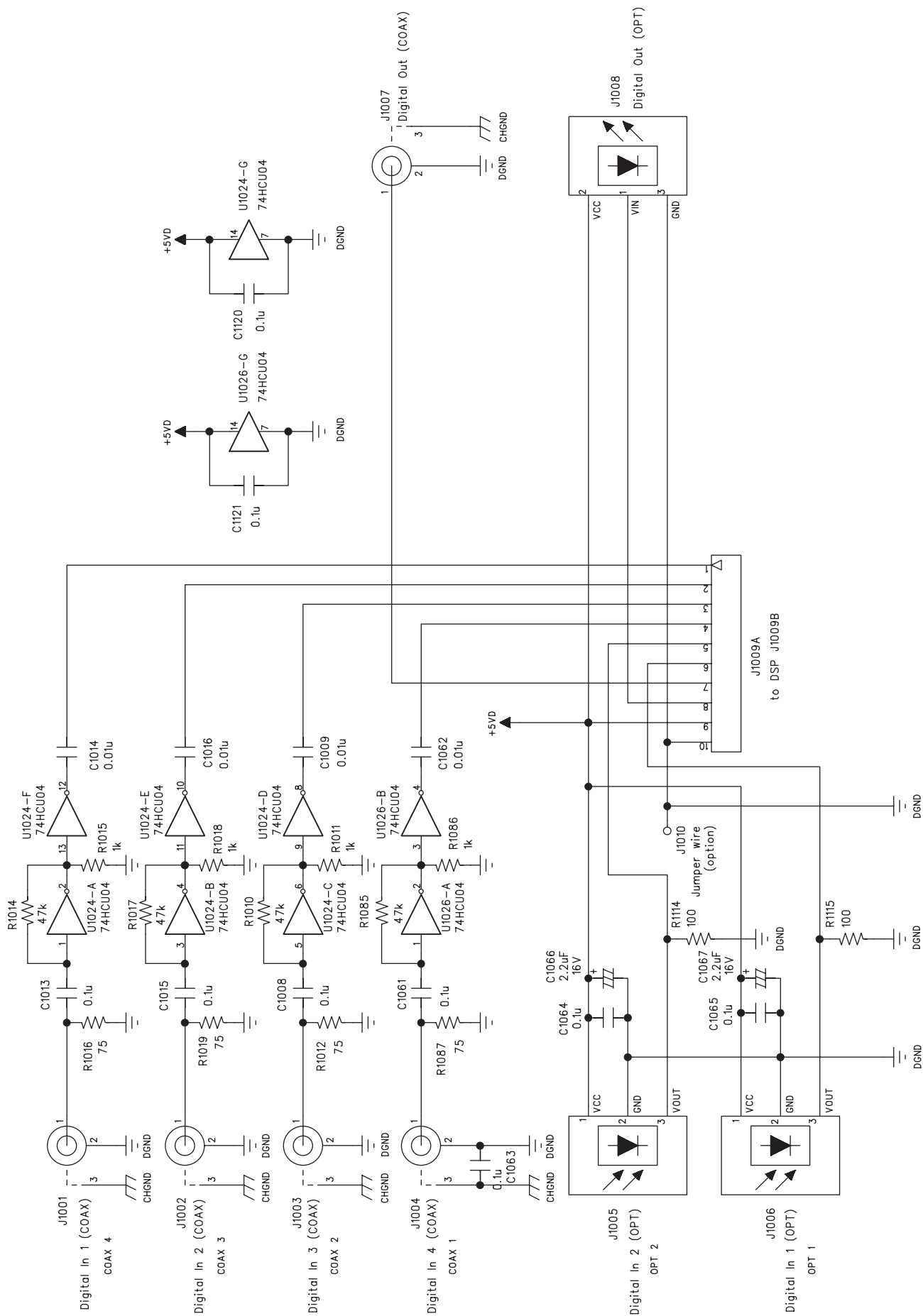


DIGITAL IN / OUT BOARD (PN-02)



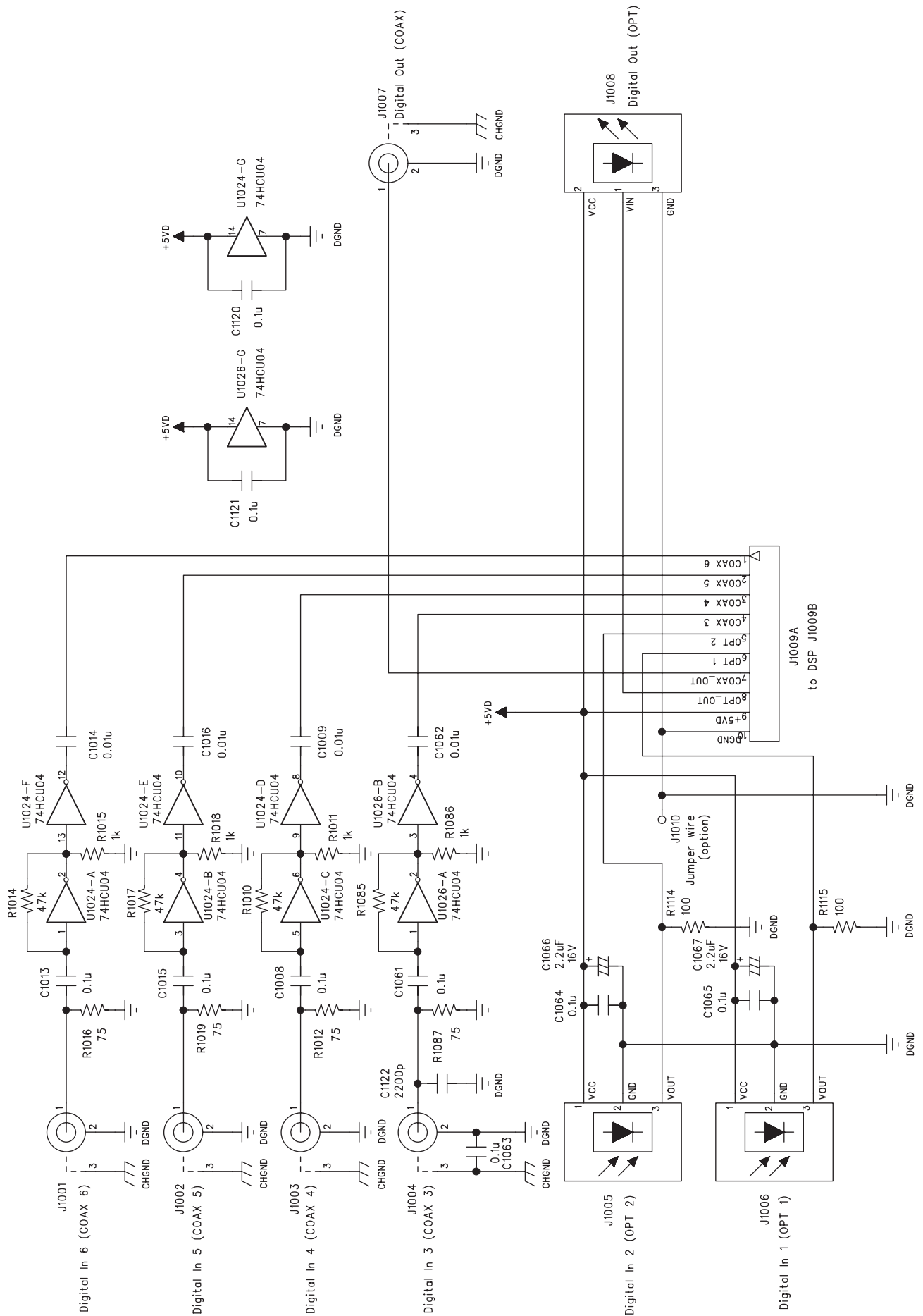
SCHEMATIC DIAGRAM

DIGITAL IN / OUT BOARD (ISSUE 6)



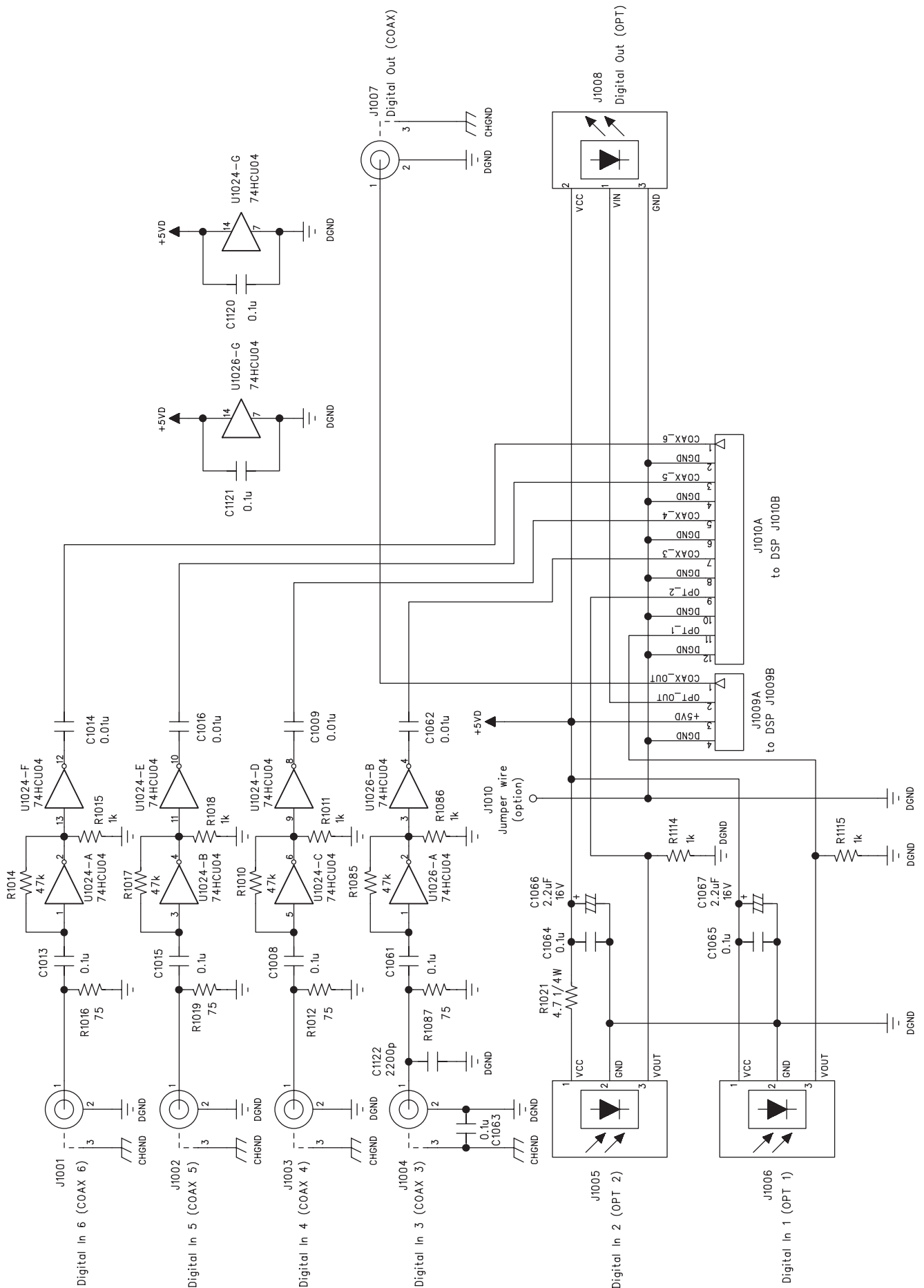
SCHEMATIC DIAGRAM

DIGITAL IN / OUT BOARD (ISSUE 7)



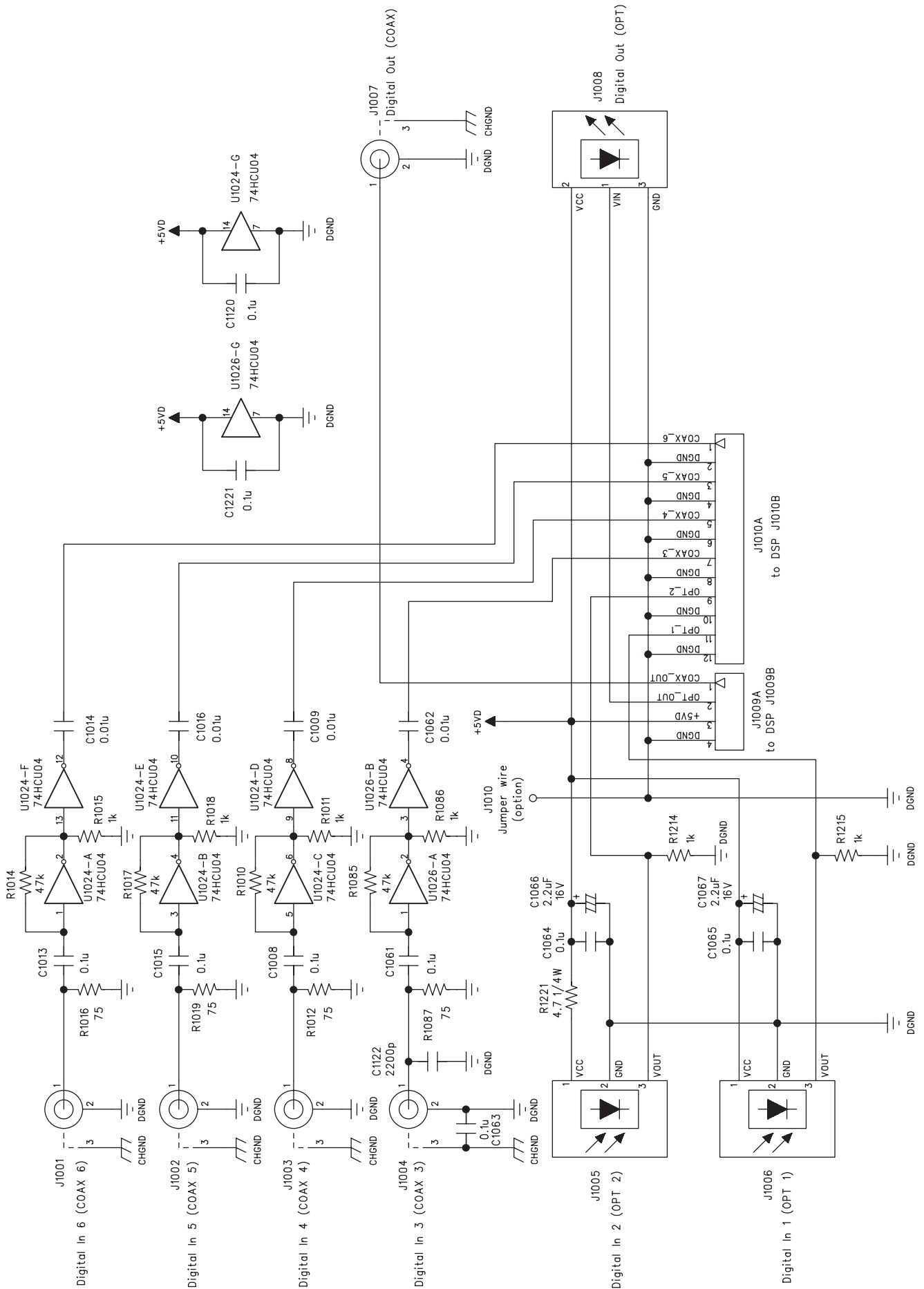
PCB LAYOUT

DIGITAL IN / OUT BOARD (ISSUE 8)



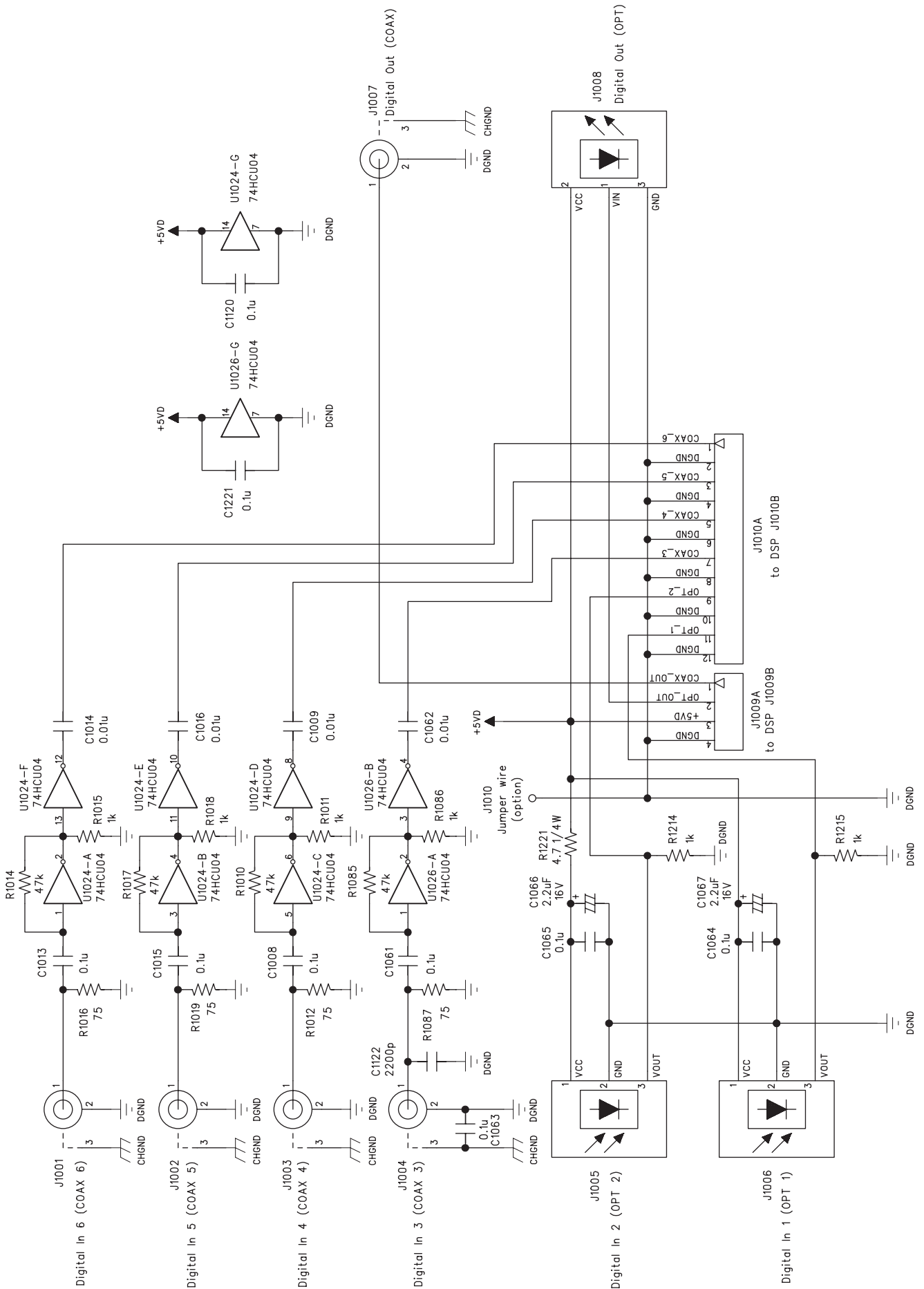
PCB LAYOUT

DIGITAL IN / OUT BOARD (PN-01)



PCB LAYOUT

DIGITAL IN / OUT BOARD (PN-02)



VERSION HISTORY

PRE-OUT BOARD

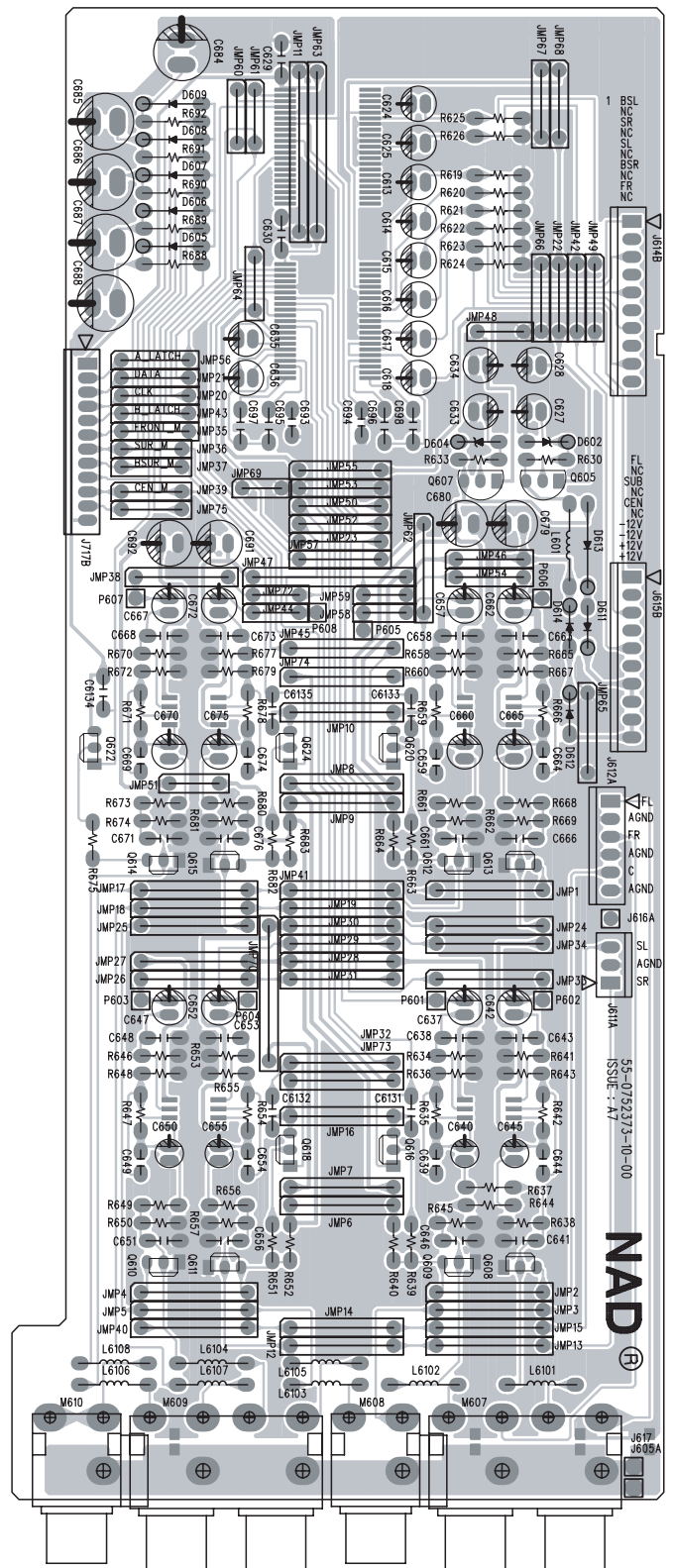
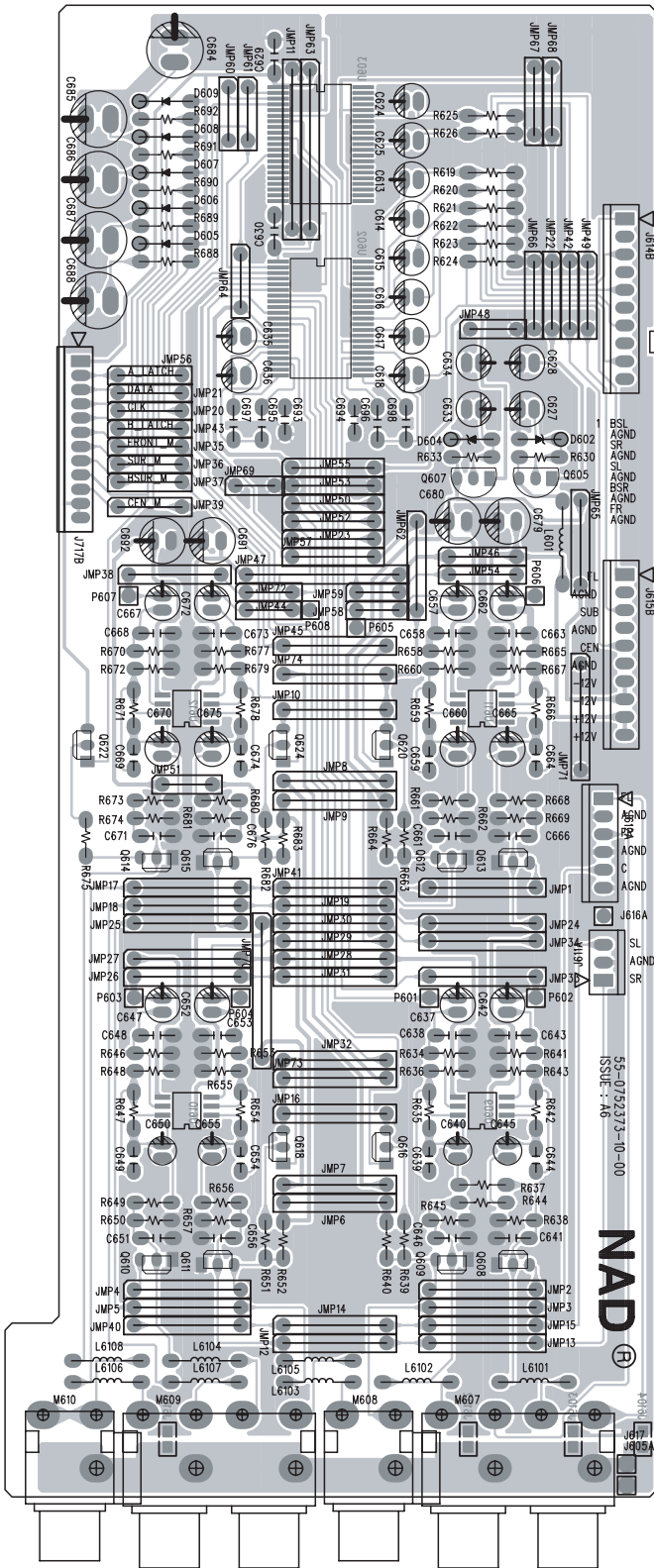
ISSUE	DESC. / PART NO.	CAUSE(S)	SERIAL NUMBER
ISSUE 6	PRE-OUT BOARD : 55-0752373-10-00 A6		R28T75200001-R28T75200280 R28T75200401-R28T75200481
ISSUE 7	PRE-OUT BOARD : 55-0752373-10-00 A7	<ul style="list-style-type: none"> • Add Diode on +12V • Add Diode on -12V 	R28T75200281-R28T75200400 R28T75200482-R28T75201253 R2XT75203301-R2XT75203460
ISSUE 8	PRE-OUT BOARD : 55-0752373-10-00 A8	<ul style="list-style-type: none"> • No layout change 	R28T75201254-R29T75202800 R2XT75202801-R2XT75203300 R2XT75203461-R2XT75203514
PN-01	PRE-OUT BOARD : 55-0752373-10-01	<ul style="list-style-type: none"> • No layout change 	R2XT75203515-R2XT75204550 R2YT75204551-R2YT75205594 R2YT75207629-R2YT75207685 R2ZT75205595-R2ZT75206600 R31T75206601-R31T75207100 R32T75207101-R32T75207600 R33T75207601-R33T75207727 R34T75207728-R34T75209227 R37T75209228-R37T75210377 R38T75210378-R38T75210667
PN-02	PRE-OUT BOARD : 55-0752373-10-02	<ul style="list-style-type: none"> • Add supply C.Cap C761, C762 	

PCB LAYOUT

PRE-OUT BOARD (ISSUE 6)

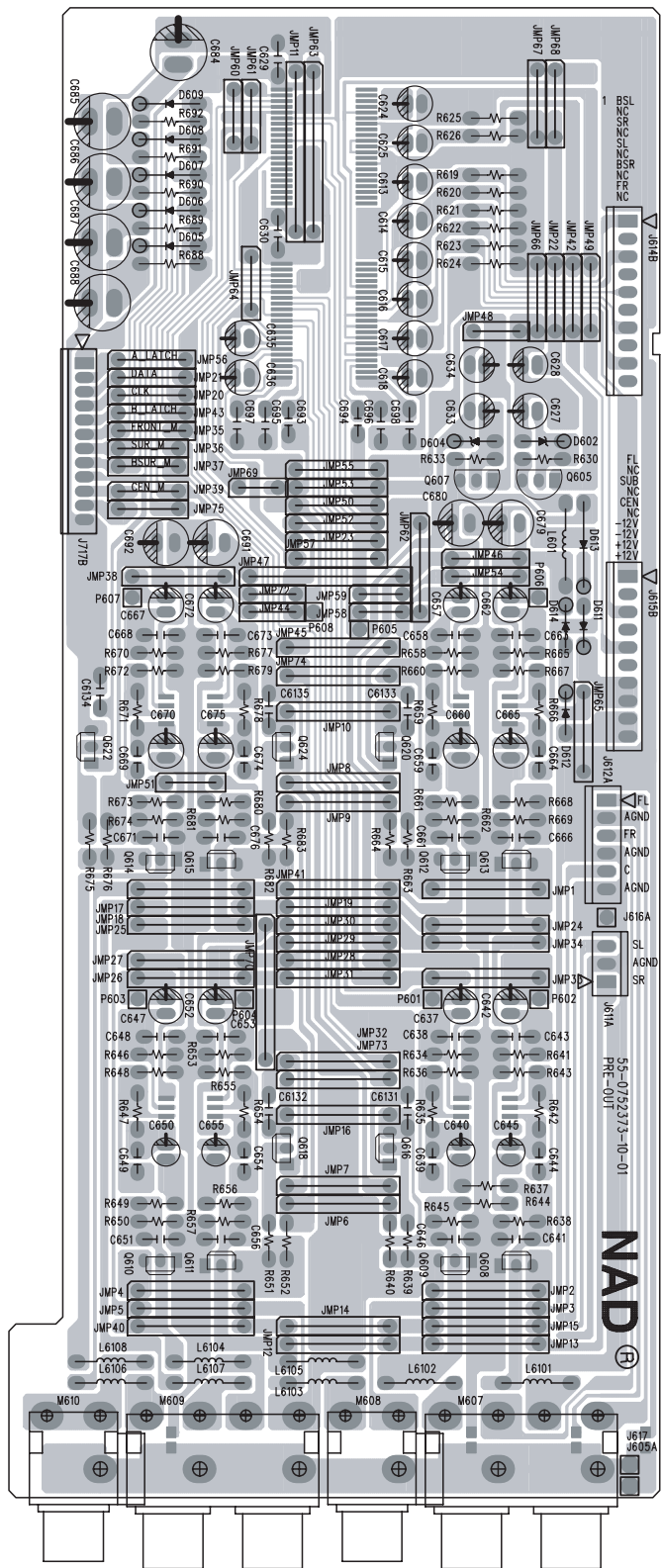
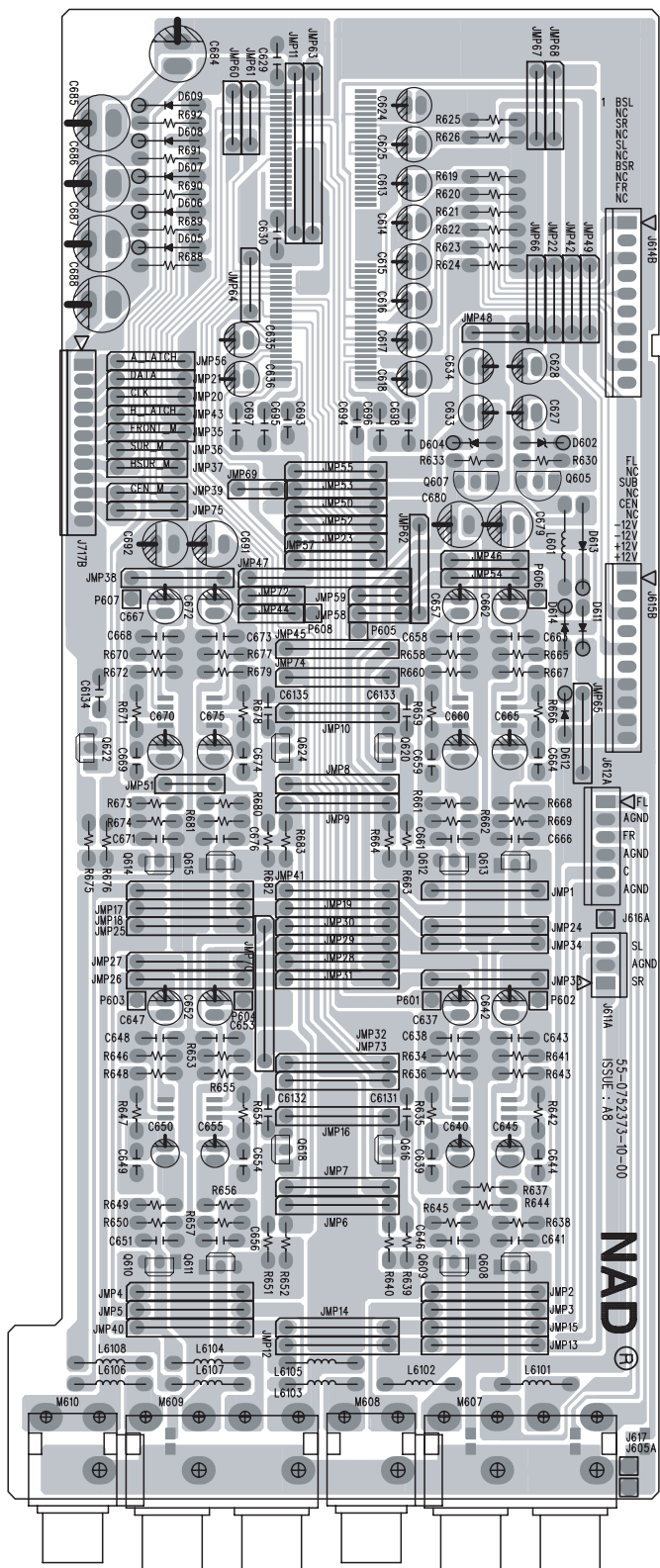
PCB LAYOUT

PRE-OUT BOARD (ISSUE 7)



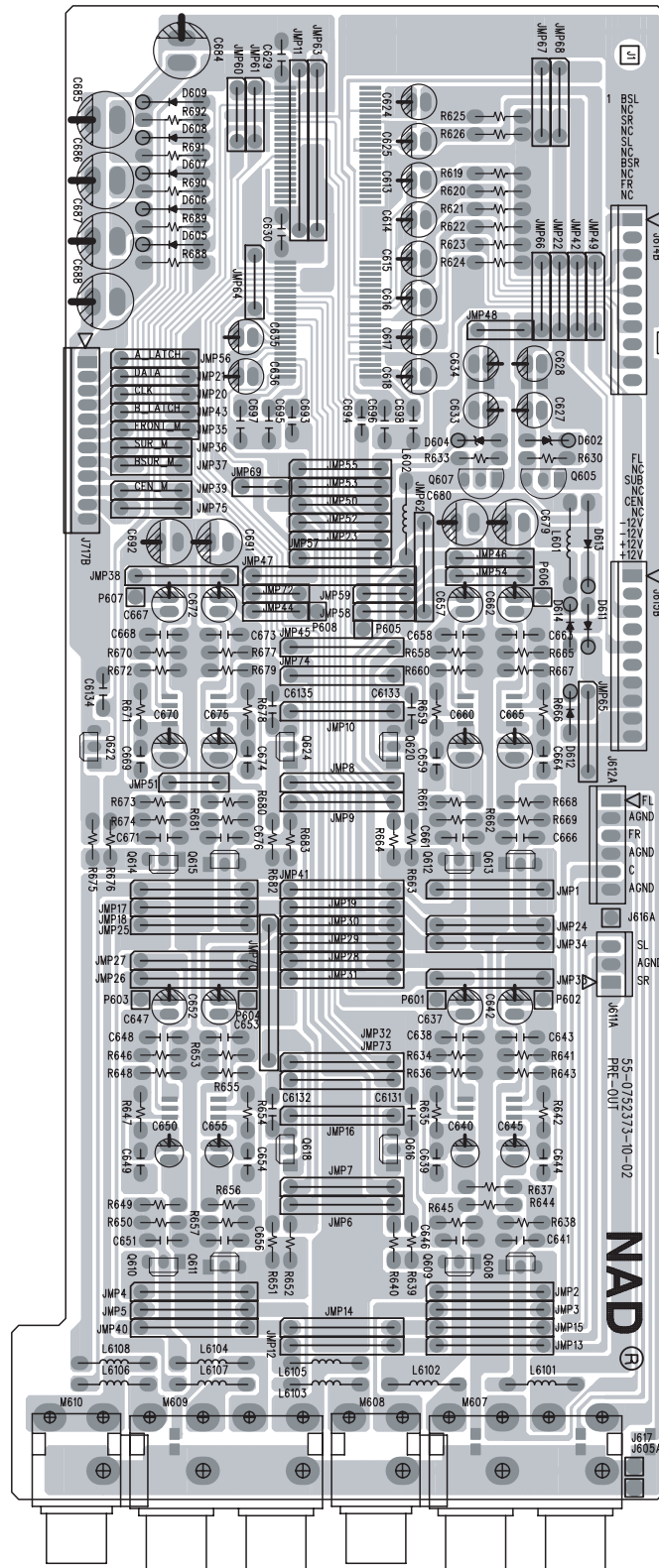
PRE-OUT BOARD (ISSUE 8)

PRE-OUT BOARD (PN-01)



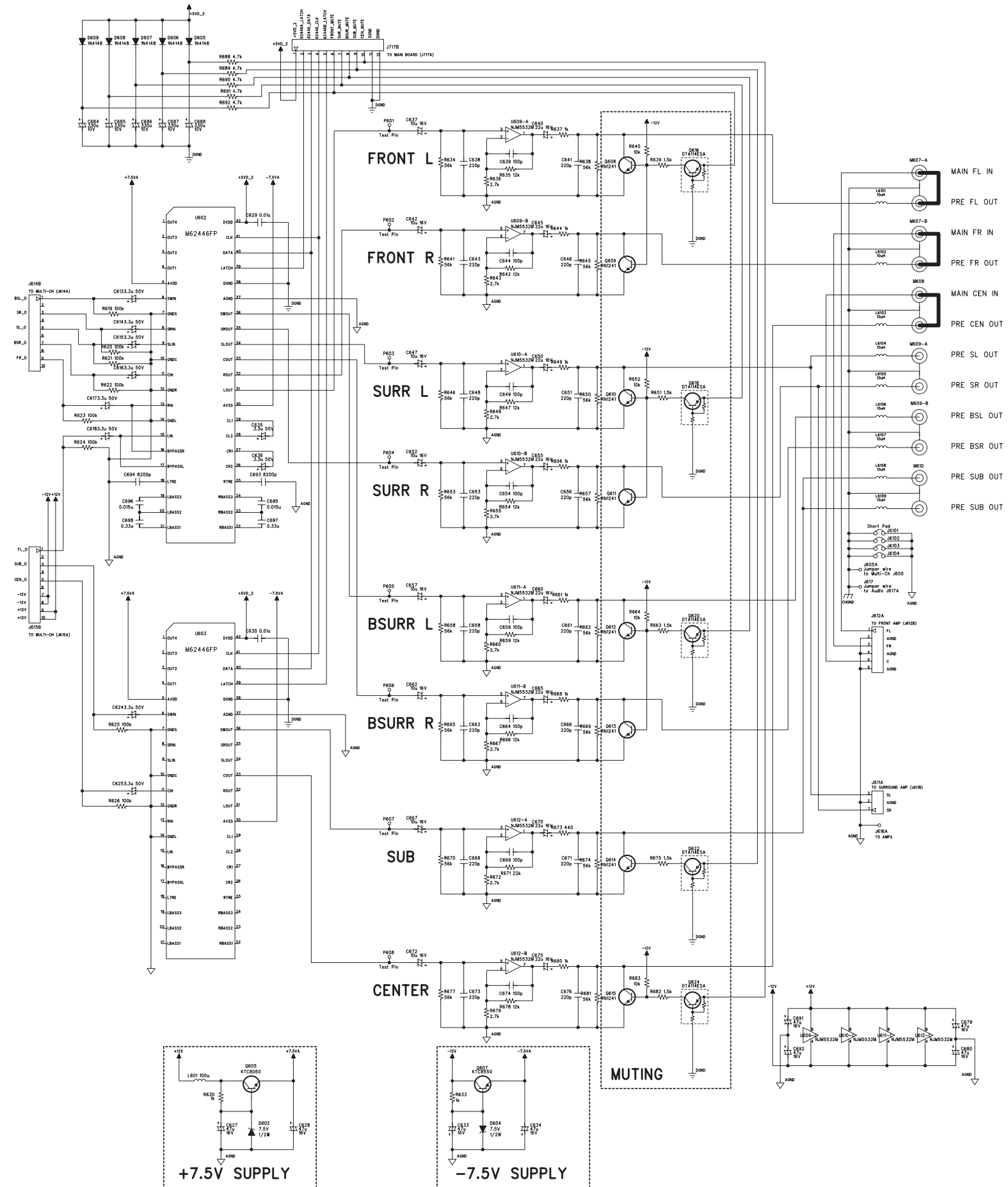
PCB LAYOUT

PRE-OUT BOARD (PN-02)



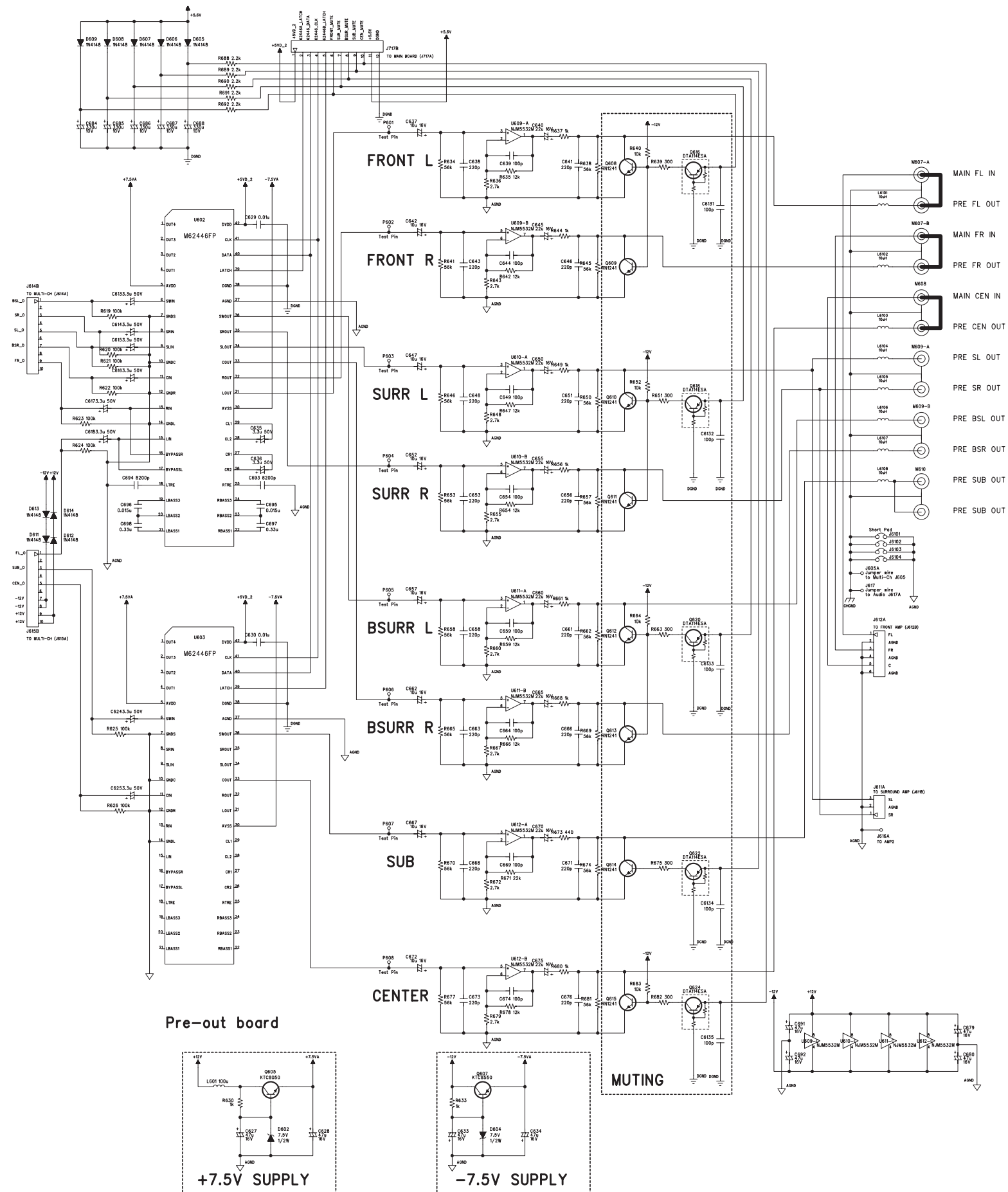
SCHEMATIC DIAGRAM

PRE-OUT BOARD (ISSUE 6)



SCHEMATIC DIAGRAM

PRE-OUT BOARD (ISSUE 7)

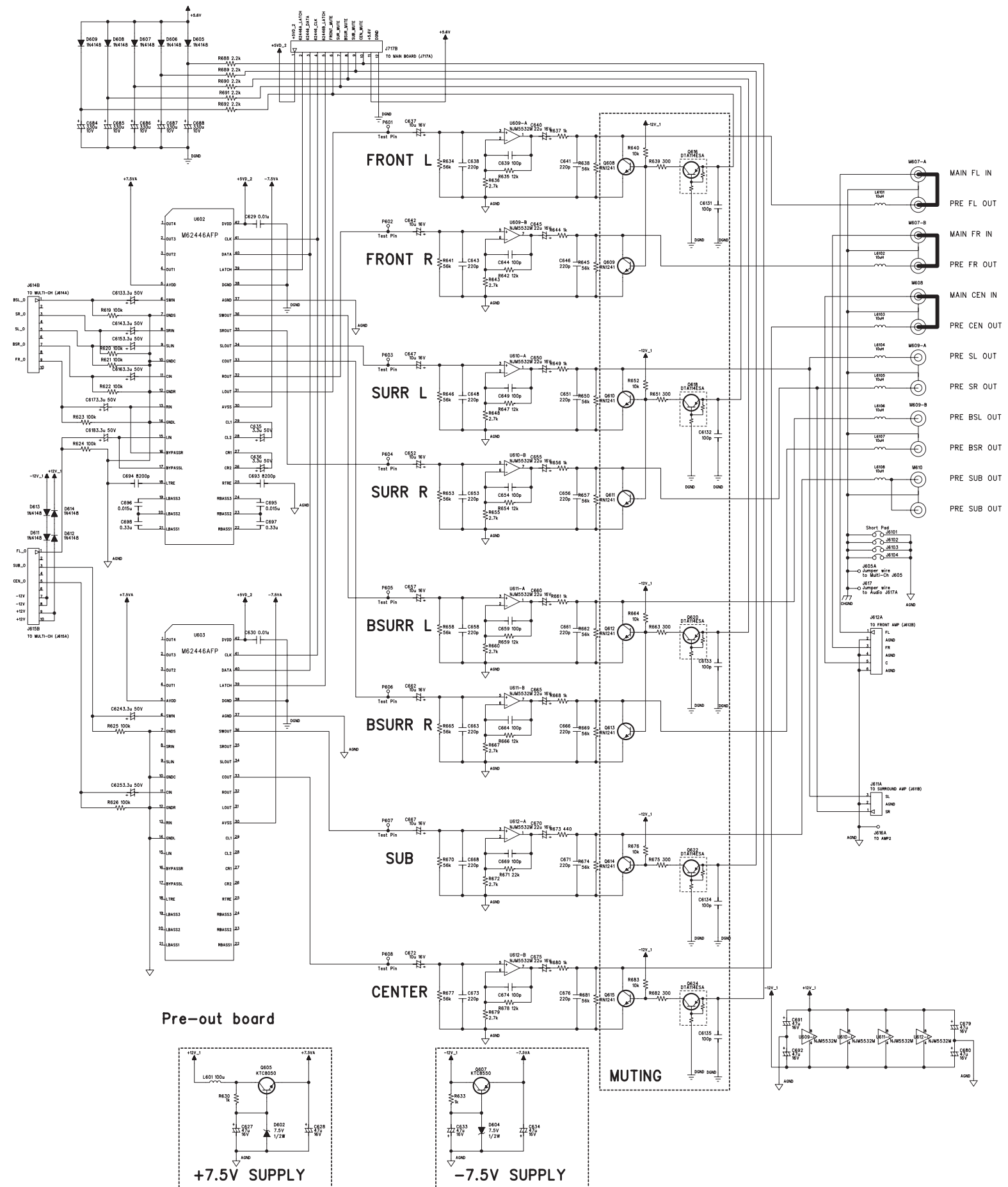


SCHEMATIC DIAGRAM

PRE-OUT BOARD (ISSUE 8)



SCHEMATIC DIAGRAM PRE-OUT BOARD (PN-01)



SCHEMATIC DIAGRAM

PRE-OUT BOARD (PN-02)

