

FEATURES

AUDIOACCESS PX-700 MULTI-ROOM AUDIO CONTROLLER

The Audioaccess PX-700 is a six zone, multi-room, multi-source audio controller that is easily set up with the PX-700 Installation Manager, Audioaccess' proprietary Windows® application.

The award winning PX-700 continues Audioaccess' long tradition of easy to use and easy to install multi-room systems, and adds powerful source control, programming flexibility and customizable features. An all-new audio preamplifier circuit, designed and manufactured by Madrigal Audio Laboratories, delivers the performance associated with high quality, separate audio components.

Together with our elegant, intuitive wall-mounted keypads, touchscreens and handheld remotes, the PX-700 allows direct access and control of eight different audio sources in six separate zones. Each zone can control any five separate sources via the KPS Keypad. All eight sources are accessible from our touchscreen and dedicated remote controls. Alternatively, any source may be dedicated or partitioned for use in a specific zone in the home. Up to six PX-700s can be connected to form a 36 zone system.

The PX-700 is programmed exclusively with the PX-700 Installation Manager, our proprietary Windows® application. A special feature of the software permits adjacent areas, or zones, to be "linked" together so that they track the same source while independent volume control is maintained in each area. With the PX-700 Installation Manager, the installer creates and maintains a comprehensive IR library, which is then used to control all of the source components in an installation. The IR commands only need to be learned once for use in all projects. The PX-700 Installation Manager also allows the installer to define any number of short and long button presses, which can be assigned to the keypads, touchscreens and handheld remotes. Because of the open architecture of the program, multiple high capacity CD Changers or DSS receivers can easily be used in a single installation. IR programming, source assignments, turn-on source defaults, input level matching, group assignments and other programming options may be configured prior to the installation or at the job site. Once completed, the project is downloaded to the PX-700 via an RS-232 input on the rear panel, or a convenient PC Link jack on the front panel of the controller.

The Installation Manager uses standard control features found in all Windows® applications: right mouse clicks, drag and drop, and pop up menus. Diagnostic tools are included to monitor keypad bus communications. Other tools include an Equipment List, Wiring Instructions, Virtual Installation, and a complete on-line Help file.

Features

- Simple, intuitive operation
- Easy installation
- Separate component quality audio performance
- Adjustable input levels for each source
- Independent bass and treble levels for each PX-700 room
- Convenient, expanded programming via PC or laptop
- Create and maintain extensive IR library
- Import/export utilities for merging/updating master library
- Rack mountable chassis
- Eight audio inputs plus a paging input for each zone
- Front panel IR receiver, rear panel IR In/Out jacks
- Built in RS-232 interface accessible from either front or rear panel
- Built-in IR learning device
- Zone linking capabilities
- Any 5 of 8 sources available from KPS keypad in each zone
- Eight sources available from touchscreens and hand-held remotes
- Selectable turn-on source in each zone
- Each zone assignable to one of three ALL ON groups (or none)
- Expandable to 36 zones with additional PX-700 Controllers
- Compatible with PX-603 Multi-Room Expander (add up to 3 rooms per zone)
- Compatible with Audioaccess Multi-Room, 12-channel Amplifiers

Specifications PX-700 Multi-Room Audio Controller

Inputs:

- Eight stereo audio inputs with buffered loop through capability
- One mono page input
- Trigger input allows sharing of audio sources with other systems
- Four-conductor keypad input
- PC Link jack RS-232 interface on front panel
- 9 Pin D-sub RS-232 interface on back panel

Outputs:

- Six room preamp outputs (one per zone)
- Six independent fixed outputs
- One record output from the main zone
- Six programmable 12VDC trigger outputs (one per zone)
- Eight dedicated IR source outputs
- One All IR source output

Audio:

- Connector: Gold Plated RCA Jack
- Input Impedance: 20k ohms
- Maximum Input Level (for 0.1% THD+N at any output): 2.0VRMS
- Output Impedance: 330 ohms
- Maximum Output Level

Source Buffered Outputs: 2.0VRMS

Primary Outputs: 2.75VRMS

Expansion Outputs: 2.0VRMS

- Gain

Source Buffered Outputs: 0 dB (Unity Gain)

Primary Outputs: 18.5 dB (Volume set at 100)

Expansion Outputs: -1 dB

- S/N (Input at 2.2VRMS, 1kHz, Primary Room Volume at Unity Gain, Measurement Bandwidth: 22kHz)

Source Buffered Outputs: >113 dB

Primary Outputs: >95 dB

Expansion Outputs: >100dB

- Frequency Response

Source Buffered Outputs: 10Hz to 110kHz, ± 1 dB

Primary Outputs: 10Hz to 70kHz, ± 1 dB

Expansion Outputs: 10Hz to 75kHz, \pm 1dB

- THD + Noise (Input: 1VRMS, 1kHz, Primary Room Volume at unity gain, measurement Bandwidth: 30kHz)

Source Buffered Outputs: <0.003%

Primary Outputs: <0.006%

Expansion Outputs: <0.005%

- L/R Crosstalk (at 1kHz)

Source Buffered Outputs: <-110 dB

Primary Outputs: <-92 dB

Expansion Outputs: <-104 dB

- Source to Source Crosstalk (at 1kHz, any two sources)

Source Buffered Outputs: <-110 dB

Primary Outputs: <-100 dB

Expansion Outputs: <-105 dB

- Volume Control : 0 to 100dB in 0.5 dB steps (1 dB steps via keypad commands)
- Bass: Shelving Type, \pm 12 dB in 2 dB steps at 100Hz
- Treble: Shelving Type, \pm 12 dB in 2 dB steps at 10kHz

Trigger Input and Outputs:

- Connector: 3.5mm Mini Phone Jack
- Trigger Out and Zone Trigger Output Voltage: 8 to 16VDC (depending on line voltage and load), Tip Positive
- Page Trigger In: Dry Contact
- Trigger In: 4 to 30VDC, Tip Positive; 3 to 24VRMS AC

Power Inlet:

- Connector: Male IEC320
- Power Requirement: 115V AC, 50/60Hz, 50 Watts (not including switched outlet)*

Switched Outlet:

- Connector: NEMA 5-15R*
- Maximum Load: 300 Watts

Dimensions

- 17.3" (440mm)W x 4" (102mm)H x 15.5" (394mm)D. Includes Connectors and Feet

Weight

- 11.5 lb (5kg)

*120V Version. 230V Version Power Requirement is 230V AC. 50/60Hz. 50 Watts: Switched Outlet Connector is Female

PX-700 PRODUCT DESCRIPTION

Description

The PX-700 Multi-Room Controller is a six zone, multi-room, multi-source audio system controller that is easily set up with the PX-700 Installation Manager, Audioaccess' proprietary Windows® application.

Designed and manufactured by Madrigal Audio Laboratories, the audio section delivers the performance associated with high-quality, separate audio components. The PX-700 chassis fits standard rack-mount shelves or rack mounts directly with the optional Rack Mount Kit.

Together with wall-mounted keypads and handheld remotes, the PX-700 allows direct access and control of eight different audio sources in six separate zones. Each zone can control any five separate sources via the KPS Keypad. All eight sources are accessible from a dedicated remote control. Up to six PX-700s can be connected to form a 36-zone installation. Link an unused zone to another zone to add rooms (without using a PX-603 Room Expander) or link multiple zones to create a zone with more than four rooms (using PX-603s).

The PX-700 is programmed exclusively with the PX-700 Installation Manager, a proprietary Windows® application. With the PX-700 Installation Manager, the installer creates and maintains a comprehensive IR Library, which is then used to configure control over the source components in an installation. The IR codes only need to be learned once for use in all projects. The Installation Manager also allows the installer to define any number of short and long button presses, which can be assigned to both the keypads and remotes. Any number of IR commands can be sent with each press. Because of the open architecture of the program, multiple high-capacity CD Changers or DSS receivers can easily be used in a single installation. IR programming, source assignments, turn-on source defaults, input level matching, group assignments and other programming options may be configured prior to the physical installation or at the job site. Once completed, the project is downloaded to the PX-700 via an RS-232 input on the rear panel or a convenient PC Link Jack on the front panel of the controller.

The Installation Manager uses standard control features found in all Windows applications: right mouse clicks, drag and drop, and pop up menus. Diagnostic tools are included to monitor keypad bus communications. Other tools include an Equipment List, Wiring Instructions, and a complete on-line Help file.

Features

- Simple, intuitive operation, installation and programming
- Component-quality audio performance
- Convenient programming via PC or laptop
- Built in RS-232 interface accessible from either front or rear panel
- Create and maintain an extensive IR Library
- Import/export utilities for merging/updating master IR Library
- Eight audio inputs plus a paging input for each Zone
- Eight sources available from hand-held remotes
- Any 5 of 8 sources available from Audioaccess keypads in each Zone
- Selectable turn-on source in each Zone
- Built-in IR learning device
- Zone linking capabilities
- Each Zone assignable to one of three All On groups (or none)
- Adjustable input levels for each source
- Front panel IR receiver, rear panel IR In/Out jacks
- Independent bass and treble levels for each PX-700 Room
- Expandable to 36 Zones with additional PX-700 Controllers
- Rack Mount Kit option (available separately)

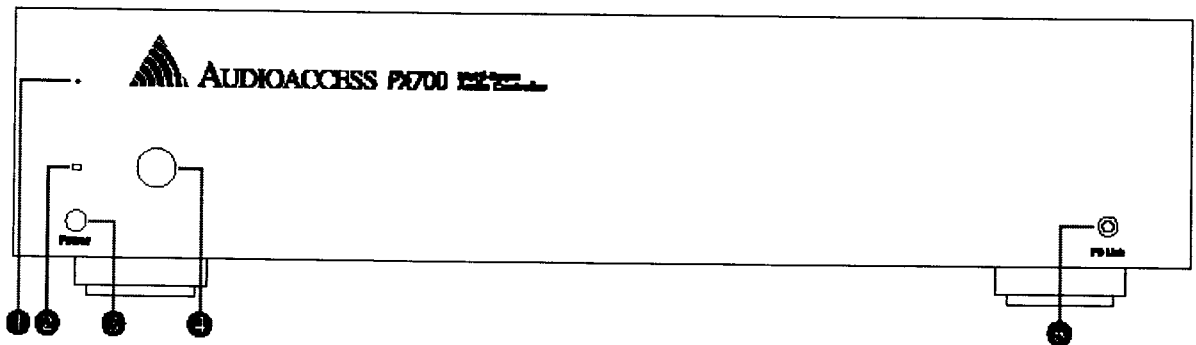
Inputs

- Eight stereo audio inputs with buffered outputs
- One mono page input
- Trigger input that allows sharing of audio sources with other systems
- Four-conductor keypad input
- PC Link jack RS-232 interface on front panel
- 9 Pin D-sub RS-232 interface on rear panel
- Rear panel IR input

Outputs

- Six buffered preamp outputs (one per zone)
- Six fixed outputs
- Zone Six record output
- Six programmable 12VDC trigger outputs (one per zone)
- Nine infrared emitter jacks (one per audio source and blaster)
- Trigger output
- Rear panel IR output

Front Panel



1. **SYSTEM CODE SWITCH** (Momentary switch accessible through panel)
2. **LED** (Bi-color: red when power is applied, green when any zone is on)

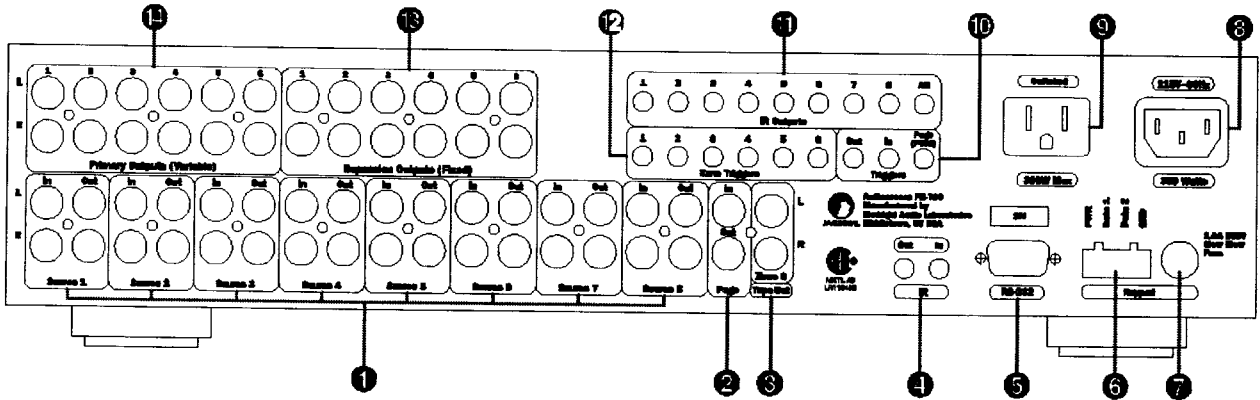
The front panel LED on the PX-700 indicates that the unit has power and that at least one Zone is on in the System. If the LED is on (in any color), the unit is powered. If the LED is red, no Zones are on in that System. If the LED is green, at least one Zone is on in the System. The LED sequence at power on is as follows: when you apply power to the PX-700 the LED will be red. After completing the power-on sequence (about 6 seconds), the LED will turn green for approximately 5 seconds, then back to red. This indicates that the PX-700 is ready for operation or programming.

3. **AC POWER SWITCH** (Push button switch)

The PX-700 front panel power switch is used to turn on and off the main power to the unit. With the PX-700 plugged into an outlet, when the switch is in the in position, power is applied to the unit. When the switch is in the out position, power is not applied to the unit. The power state can be determined by looking at the front panel LED.

4. **IR WINDOW** (Receives IR commands, controls Zone 6, active only on System 1)
5. **THE FRONT PANEL POWER SWITCH DISCONNECTS ONLY THE LINE SIDE OF THE AC SUPPLY WHEN IT IS IN THE OFF POSITION. TO COMPLETELY DISCONNECT THE UNIT FROM THE AC SUPPLY, THE POWER CORD MUST BE UNPLUGGED FROM EITHER THE UNIT OR THE OUTLET.**
6. **PC LINK JACK** (mono 1/8" / 3.5mm mini-phone jack)

Rear Panel



1. **SOURCE CONNECTIONS** (RCA connectors)

2. **PAGE IN/OUT** (RCA connectors)

For use with PDM to work with paging systems.

3. **ZONE 6 TAPE OUT** (RCA connectors)

4. **IR IN/OUT** (mono $\frac{1}{8}$ " / 3.5mm mini-phone jacks)

5. **RS-232 PORT** (9-pin female connector)

6. **KEYPAD** (4-conductor plug with screw terminals)

7. **FUSE**

US: 5x20mm, 1.6amp, 250v, slow blow *NON-US*: 5x20mm T 1.6amp 250v

8. **POWER INPUT** (3-conductor, IEC type)

9. **SWITCHED OUTLET** (3-conductor grounded, 300Watt maximum)

10. **TRIGGERS** (mono $\frac{1}{8}$ " / 3.5mm mini-phone jacks)

11. **IR OUTPUTS** (mono $\frac{1}{8}$ " / 3.5mm mini-phone jacks)

12. **ZONE TRIGGERS** (mono $\frac{1}{8}$ " / 3.5mm mini-phone jacks)

13. **EXPANSION OUTPUTS** (Fixed) (RCA connectors)

14. **PRIMARY OUTPUTS** (Variable) (RCA connectors)

TECHNICAL SPECIFICATIONS

Specifications

Note: Due to constant research, specifications are subject to change without notice.

Audio

- Connector: Gold Plated RCA Jack
- Input Impedance: 20kΩ
- Maximum Input Level (for 0.1% THD+N at any output): 2.0VRMS
- Output Impedance: 330Ω

Specification	Source Buffered Outputs	Primary Outputs	Expansion Outputs
<i>Frequency Response</i>	10HZ to 110kHz, ± 1dB	10HZ to 70kHz, ± 1dB	10HZ to 70kHz, ± 1dB
<i>S/N (Input at 2.2VRMS, 1kHz, Primary Room Volume at Unity Gain, Measurement Bandwidth: 22kHz)</i>	>113 dB	>95 dB	>100 dB
<i>THD + Noise (Input: 1VRMS, 1kHz, Primary Room Volume at unity gain, Measurement Bandwidth: 30kHz)</i>	<0.003%	<0.006%	<0.005%
<i>Maximum Output Level</i>	2.0 VRMS	2.75 VRMS	2.0 VRMS
<i>Left/Right Crosstalk (@ 1k Hz, each input)</i>	<-110 dB	<-92 dB	<-104 dB
<i>Source to source Crosstalk (@ 1k Hz any two sources)</i>	<-110 dB	<-100 dB	<-105 dB
<i>Zone to Zone Crosstalk (@ 1k Hz, any two zones)</i>		<-100 dB	<-100 dB
<i>Maximum Gain</i>	Unity	18.5 dB (Volume set at 100)	-1 dB
<i>Volume Control</i>		0 to 100 dB in 0.5 dB steps	
<i>Bass (Shelving type, 100 Hz)</i>		+12, -12 dB (2 dB steps)	N/A
<i>Treble (Shelving Type, 10k Hz)</i>		+12, -12 dB (2 dB steps)	N/A

Trigger Input and Outputs Connector:

3.5mm Mini Phone Jack

Trigger Input

- Connector: 3.5mm Mini Phone Jack **and Outputs** □ Trigger Out and Zone Trigger Output Voltage: 8 to 16 VDC (depending on line voltage and load), Tip Positive
- Page Trigger In: Dry Contact
- Trigger in: 4 to 30 VDC, Tip Positive; 3 to 24 VRMS AC

PX-700

Electrical/Mechanical Parts Lists

Note:

These parts lists may contain some part numbers that are not valid, or No Longer Available.

Descriptions and Reference Designators, when included, should aid technicians in part substitution.

If necessary, call the Parts department at 1-516-496-3400 ext. 6553 for assistance.

PX-700 TRIGGER OUTPUT BD

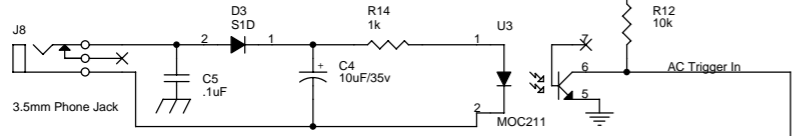


AUDIOACCESS *PX-700 Parts List*

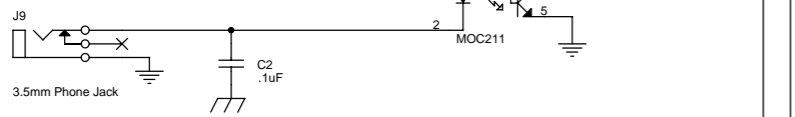
804-00065-00, ASSEMBLY, PX700 TRIGGER OUTPUT BOARD

Item	qty	Reference	PN	Description
100	9	J1,J2,J3,J4,J5,J6,J7,J8,J9	321-20000-00	PHONE JACK, 3.5mm, MONO, SB
180	1	U1	230-30004-00	INVERTER, HEX, 74HC04, SOIC14
190	2	U2,U3	271-30211-00	OPTOISOLATOR, MOC211, SOIC8
170	9	R2,R5,R8,R13,R14,R18,R22,R26,R30	122-32100-00	RES, SMT, 1K, 5%, TF, 1/8W, 0805
160	23	R1,R3,R4,R6,R7,R9,R10,R11,R12,R15,R16,R17,R19,R20,R21,R23,R24,R25,R27,R28,R29,R31,R32	122-33100-00	RES, SMT, 10K, 5%, TF, 1/8W, 0805
150	1	RV1	381-00020-00	PTC, 0.20amp
140	7	Q2,Q4,Q6,Q8,Q10,Q12,Q14	210-53904-00	TRANS, NPN, SMT, MMBT3904LT1, SOT23
130	7	Q1,Q3,Q5,Q7,Q9,Q11,Q13	211-53906-00	TRANS, NPN, SMT, MMBT3906LT1, SOT23
120	2	M1,M2	612-18190-00	BRACKET, PC MNT SCREW TERM, 8190 (NO SCRE
110	1	J10	320-55107-00	HEADER, 2X7, RA, SHROUDED
10	1		054-00065-00	SCHEMATIC, PX700 TRIGGER OUTPUT BOARD
80	2	C13,C12	150-32310-00	CAP, SMT AL EL, 10uF, 25V, 20%
70	1	C4	150-42310-00	CAP, SMT AL EL, 10uF, 35V, 20%
60	11	C1,C2,C3,C5,C6,C7,C8,C9,C10,C11,C14	155-21410-01	CAP, SMT CER, 0.1uF, 50V, X7R 10%, 0805
50	1		094-00065-00	FAB DRAWING, PX700 TRIGGER OUTPUT BOARD
40	1		404-00065-00	PCB, PX700 TRIGGER OUTPUT BOARD
30	1		044-00065-00	ASSEMBLY DRAWING, PX700 TRIGGER OUTPUT B
20	1		074-00065-00	PARTS PLACEMENT DIAGRAM, PX700 TRIGGER O
90	8	D1,D2,D3,D4,D5,D6,D7,D8	200-60S1D-00	DIODE, RECT, SMT, 1A/140VRMS, S1D

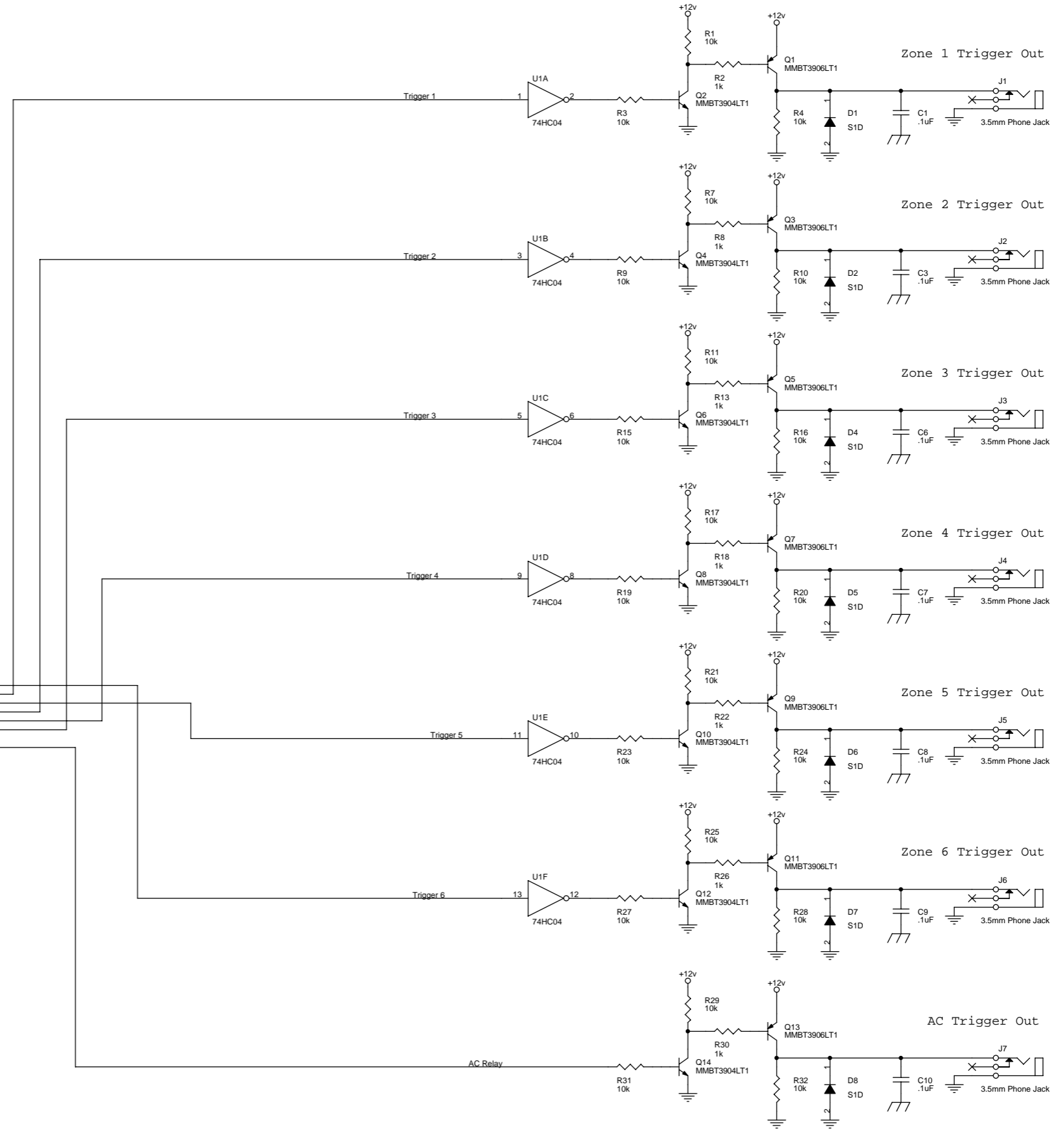
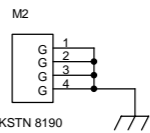
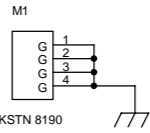
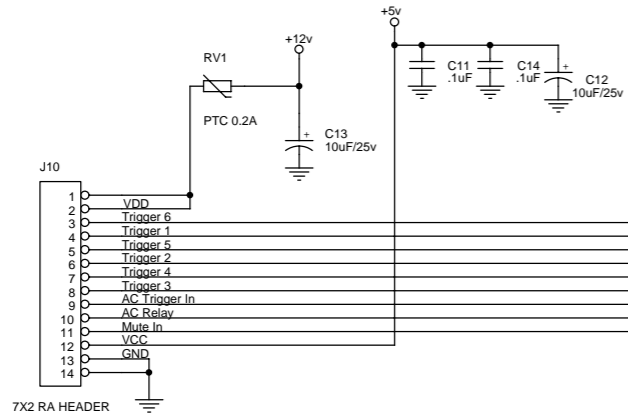
AC TRIGGER IN



PAGE TRIGGER IN



Note: C14 is the bypass cap for U1. C11 and C12 bypass +5v as it enters the board.



PX-700 RS-232 INPUT BD



AUDIOACCESS *PX-700 Parts List*

80A-00065-00, ASSEMBLY, PX700 RS232 INPUT BOARD

Item	qty	Reference	PN	Description
10	1		05A-00065-00	SCHEMATIC, PX700 RS232 INPUT BOARD
20	1		07A-00065-00	PARTS PLACEMENT DIAGRAM, PX700 RS232 INPU
40	1		40A-00065-00	PCB, PX700 RS232 INPUT BOARD
50	1		09A-00065-00	FAB DRAWING, PX700 RS232 INPUT BOARD
70	1	J2	320-56005-00	HEADER, 1X5, ST, POL, SHROUDED, 2mm
30	1		04A-00065-00	ASSEMBLY DRAWING, PX700 RS232 INPUT BOARD
60	1	J1	321-21000-00	PHONE JACK, 3.5mm, STEREO, SB, NO THREAD

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B

C

D

E

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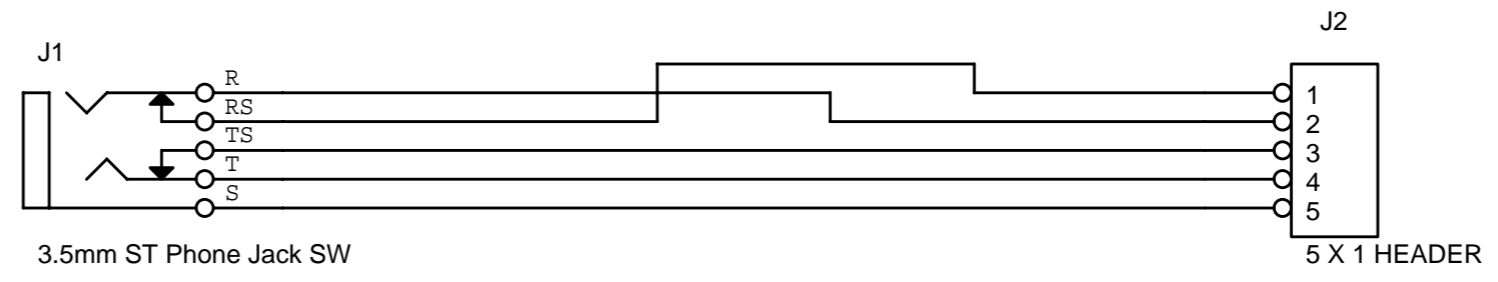
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Title		
PX-700 RS-232 Input Board		
Size	Document Number	Rev
A	051-00065	00
Date:	Friday, April 21, 2000	Sheet 1 of 1

A

B

C

D

E

PX-700 CONTROLLER BD



AUDIOACCESS *PX-700 Parts List*

802-00065-00, ASSEMBLY, PX700 CONTROLLER BOARD

item	qty	Reference	PN	Description
240	1	J11	320-56010-00	HEADER, 1X10, ST, POL, SHROUDED, 2mm
160	1	F1	690-01000-00	FUSE HOLDER, 5X20mm PC MNT, BAYONET
170	1	J1	320-55010-00	HEADER, 2X10, SHROUDED
180	2	J2,J4	321-20000-00	PHONE JACK, 3.5mm, MONO, SB
190	1	J3	320-55013-00	HEADER, 2X13, ST, SHROUDED
200	1	J5	323-00004-00	CONN, TERM BLK, PLG, PCRA, 4 PIN
210	1	J6	320-55007-00	HEADER, 2X7, ST, SHROUDED
250	1	J12	320-52003-00	HEADER, 1X3
230	1	J8	320-52204-00	HEADER, 1X4, ST, POL, LOCKRAMP
150	5	FL1,FL2,FL3,FL4,FL5	190-60310-00	EMI FILTER, SMT, 10000pF
260	1	K1	308-00005-00	RELAY, PCNPSS, 2 FORM C, 5V
100	1	C7	150-32310-00	CAP, SMT AL EL, 10uF, 25V, 20%
220	1	J7	320-55005-00	HEADER, 2X5, SHROUDED
140	1	D6	201-54148-00	DIODE, SWITCHING, SMT, MMBD4148
130	2	D5,D4	205-70050-00	DIODE, TVS, 600W, UNI-DIR, 5.0V, SMT
120	1	D3	205-70200-00	DIODE, TVS, 600W, UNI-DIR, 20V, SMT
10	1		052-00065-00	SCHEMATIC, PX700 CONTROLLER BOARD
20	1		072-00065-00	PARTS PLACEMENT DIAGRAM, PX700 CONTROLLE
30	1		042-00065-00	ASSEMBLY DRAWING, PX700 CONTROLLER BOAR
40	1		402-00065-00	PCB, PX700 CONTROLLER BOARD
50	1		092-00065-00	FAB DRAWING, PX700 CONTROLLER BOARD
60	2	C1,C27	150-22347-00	CAP, SMT AL EL, 47uF, 16V, 20%
70	21	C2,C3,C8,C9,C10,C11,C12, C13,C14,C15,C16,C17,C18, C19,C20,C21,C22,C23,C24, C25,C28	155-21410-01	CAP, SMT CER, 0.1uF, 50V, X7R 10%, 0805



AUDIOACCESS **PX-700 Parts List**

802-00065-00, ASSEMBLY, PX700 CONTROLLER BOARD

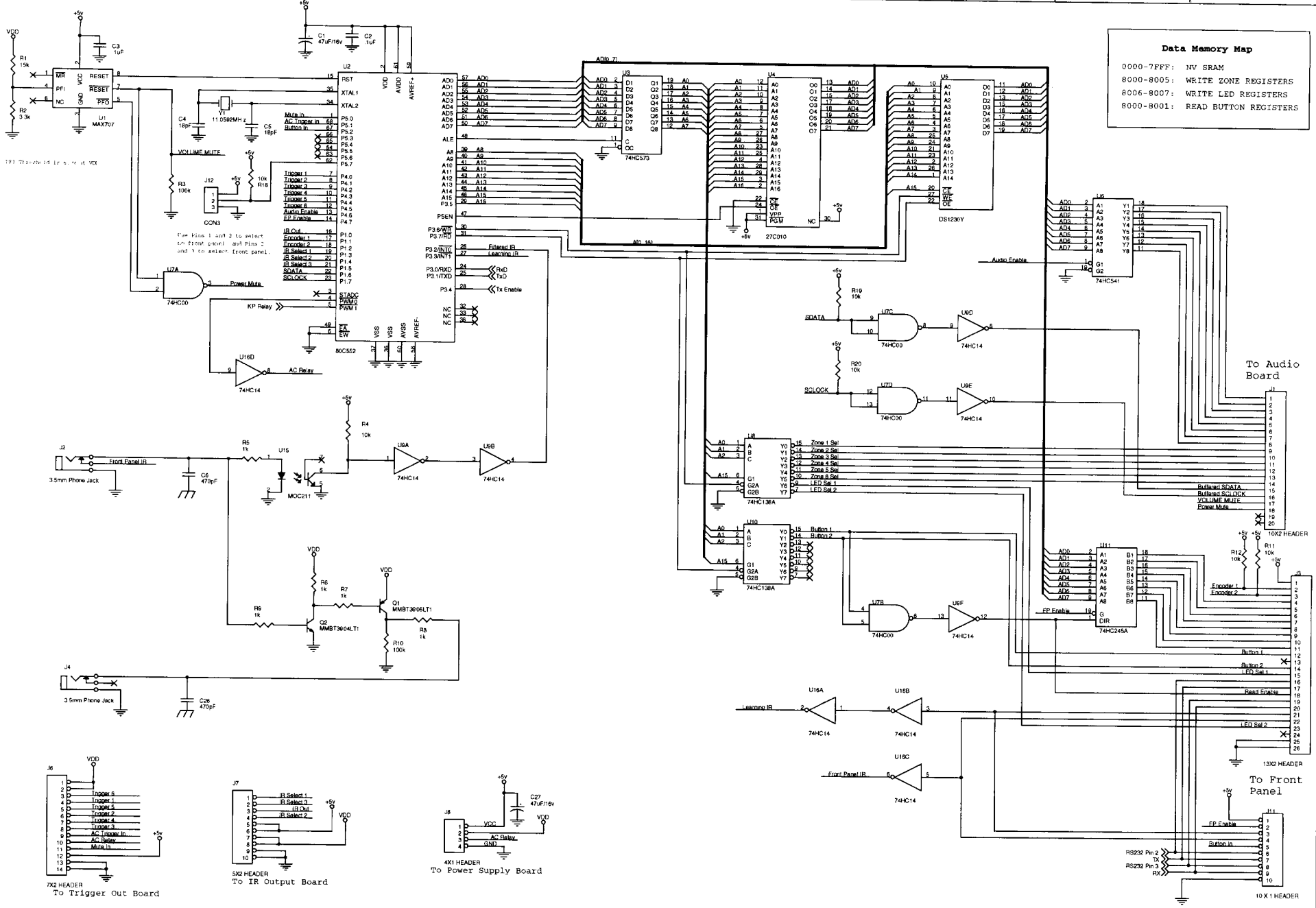
Item	qty	Reference	PN	Description
90	2	C6,C26	155-20147-00	CAP, SMT CER, 470pF, 50V, COG 5%, 0805
330	2	R3,R10	122-34100-00	RES, SMT, 100K, 5%, TF, 1/8W, 0805
80	2	C5,C4	155-20018-00	CAP, SMT CER, 18pF, 50V, COG 5%, 0805
440	2	U8,U10	230-30138-00	DECODER, 3 TO 8, 74HC138, SMT
300	2	Q2,Q3	210-53904-00	TRANS, NPN, SMT, MMBT3904LT1, SOT23
310	1	R1	122-33150-00	RES, SMT, 15K, 5%, TF, 1/8W, 0805
320	1	R2	122-32330-00	RES, SMT, 3.3K, 5%, TF, 1/8W, 0805
340	7	R4,R11,R12,R17,R18,R19, R20	122-33100-00	RES, SMT, 10K, 5%, TF, 1/8W, 0805
110	2	D1,D2	200-60S1D-00	DIODE, RECT, SMT, 1A/140VRMS, S1D
360	2	R16,R14	122-32150-00	RES, SMT, 1.5K, 5%, TF, 1/8W, 0805
370	1	R15	122-31120-00	RES, SMT, 120, 5%, TF, 1/8W, 0805
380	1	U1	254-40707-00	RESET IC, MAX707, SMT
390	1	U2	250-10552-00	MICROPROC, 80C552, 16MHz, PLCC68
400	1	U3	230-30573-00	LATCH, OCTAL, TRI STATE, 74HC573, SMT
410	1	U5	260-03012-00	SRAM, NON VOLATILE, DS1230Y-120
350	6	R5,R6,R7,R8,R9,R13	122-32100-00	RES, SMT, 1K, 5%, TF, 1/8W, 0805
430	1	U7	230-30000-00	NAND GATE, QUAD, 2 IN, 74HC00, SMT
290	1	Q1	211-53906-00	TRANS, NPN, SMT, MMBT3906LT1, SOT23
450	2	U9,U16	230-30014-00	SCHMIDT TRIGGER, INVERTING, HEX, 74HC14, SM
460	1	U11	230-30245-00	BUS TRANCVR, OCTAL, NON INV, TRI STATE, 74HC
470	2	U14,U12	270-00485-00	INTRFC, BUS TRANS, RS485, LTC485
480	1	U13	270-32321-00	INTRFC, BUS TRANS, DUAL RS232, MAX232A, SMT
490	1	U15	271-30211-00	OPTOISOLATOR, MOC211, SOIC8
500	1	Y1	345-11059-00	XTAL, HC49, 11.0592MHz
510	1	U5	328-02028-00	SOCKET, 0.600" DIP DLTST, 28 PIN



AUDIOACCESS *PX-700 Parts List*

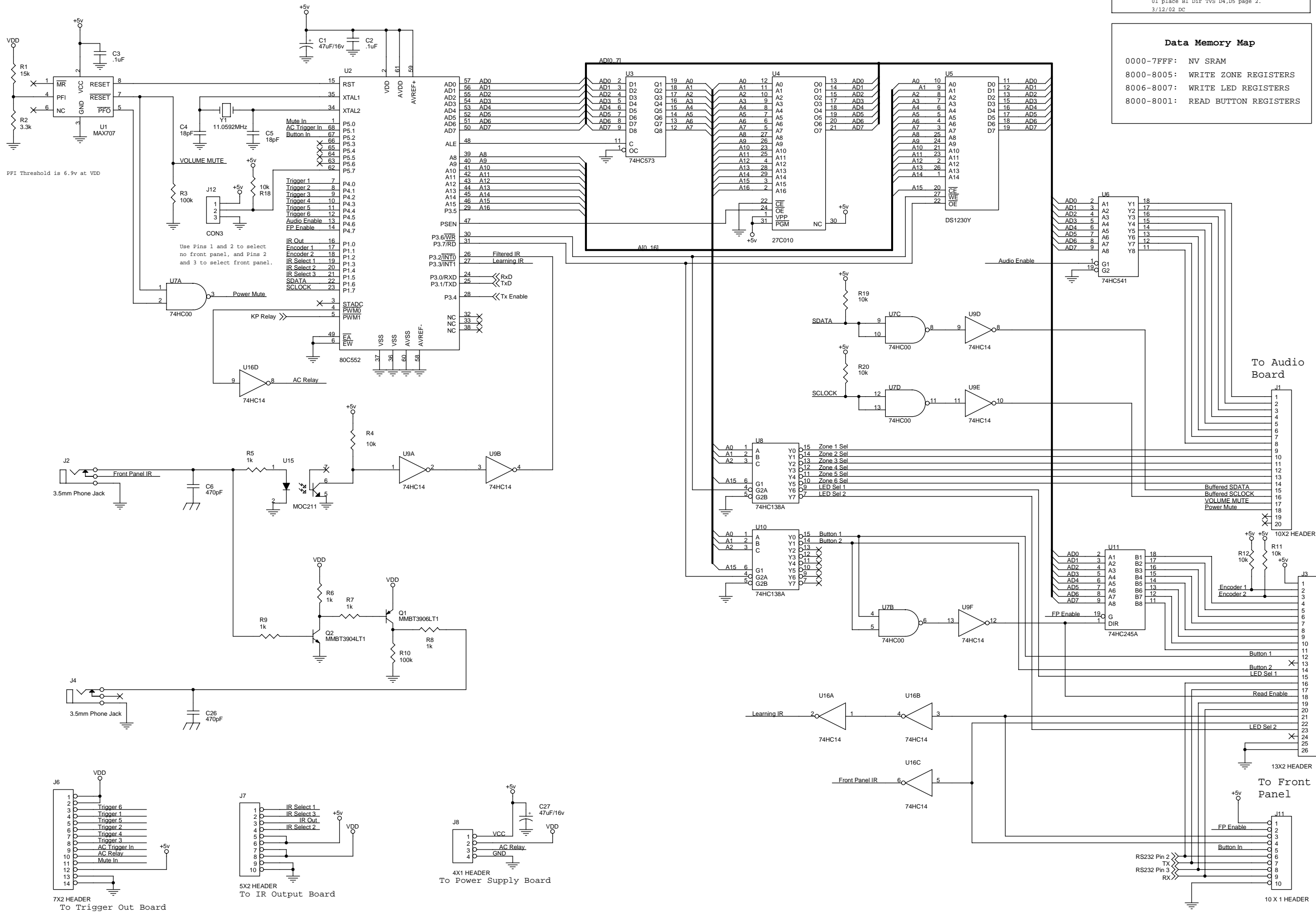
802-00065-00, ASSEMBLY, PX700 CONTROLLER BOARD

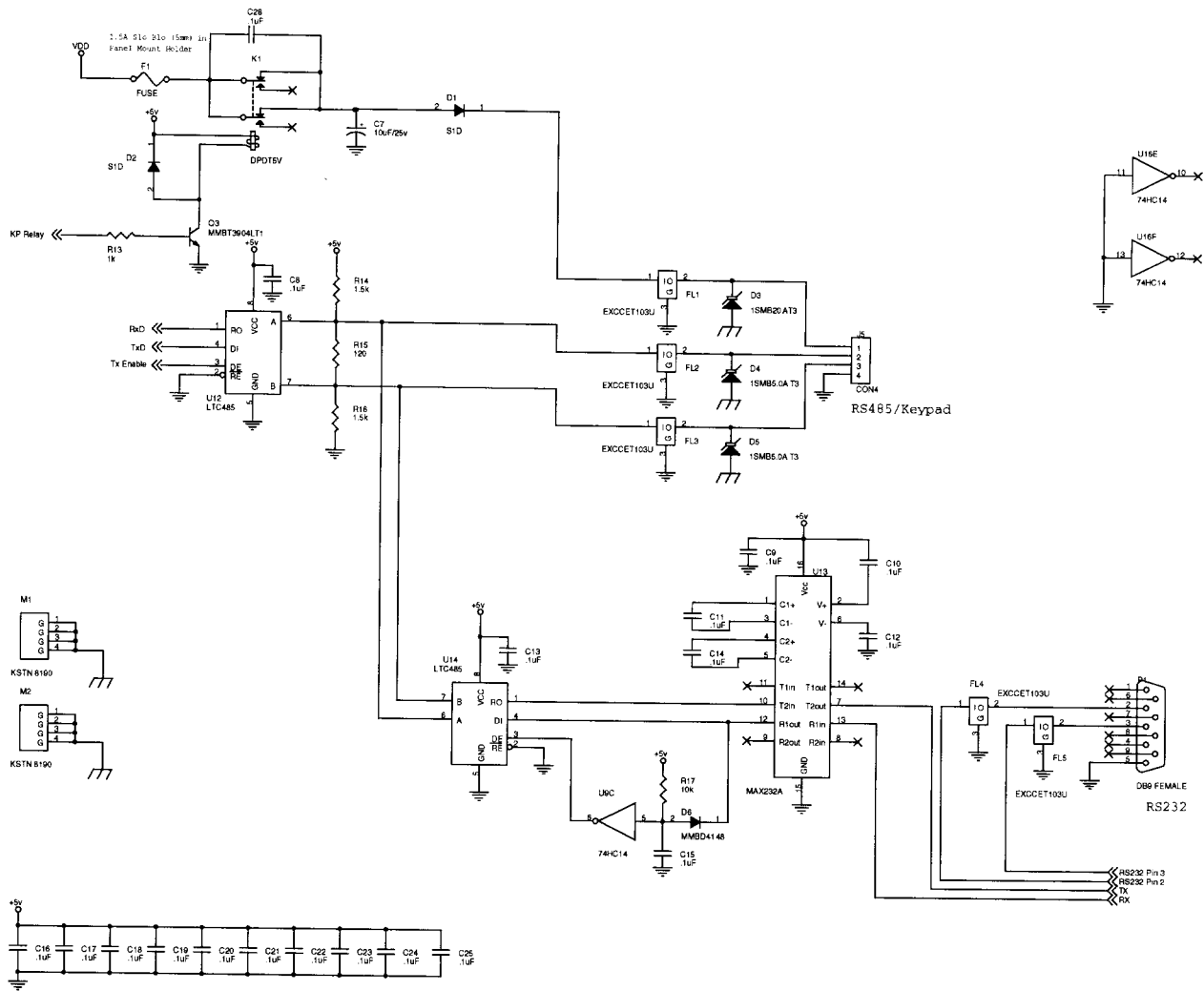
item	qty	Reference	PN	Description
520	1	U4	328-02032-00	SOCKET, 0.600" DIP DLTST, 32 PIN
530	1	U2	328-10168-00	SOCKET, PLCC, TSM, 68 PIN
540	2	U12, U14	328-00008-00	SOCKET, 0.300" DIP DLTST, 8 PIN
280	1	P1	327-01009-00	CONN, DSUB, RA, RECEP, 9 PIN
270	2	M1,M2	612-18190-00	BRACKET, PC MNT SCREW TERM, 8190 (NO SCRE
420	1	U6	230-30541-00	BUFFER, OCTAL, TRI STATE, 74HC541, SMT



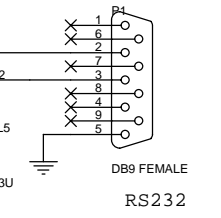
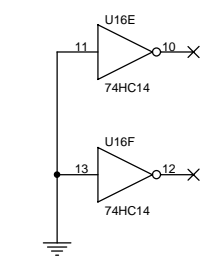
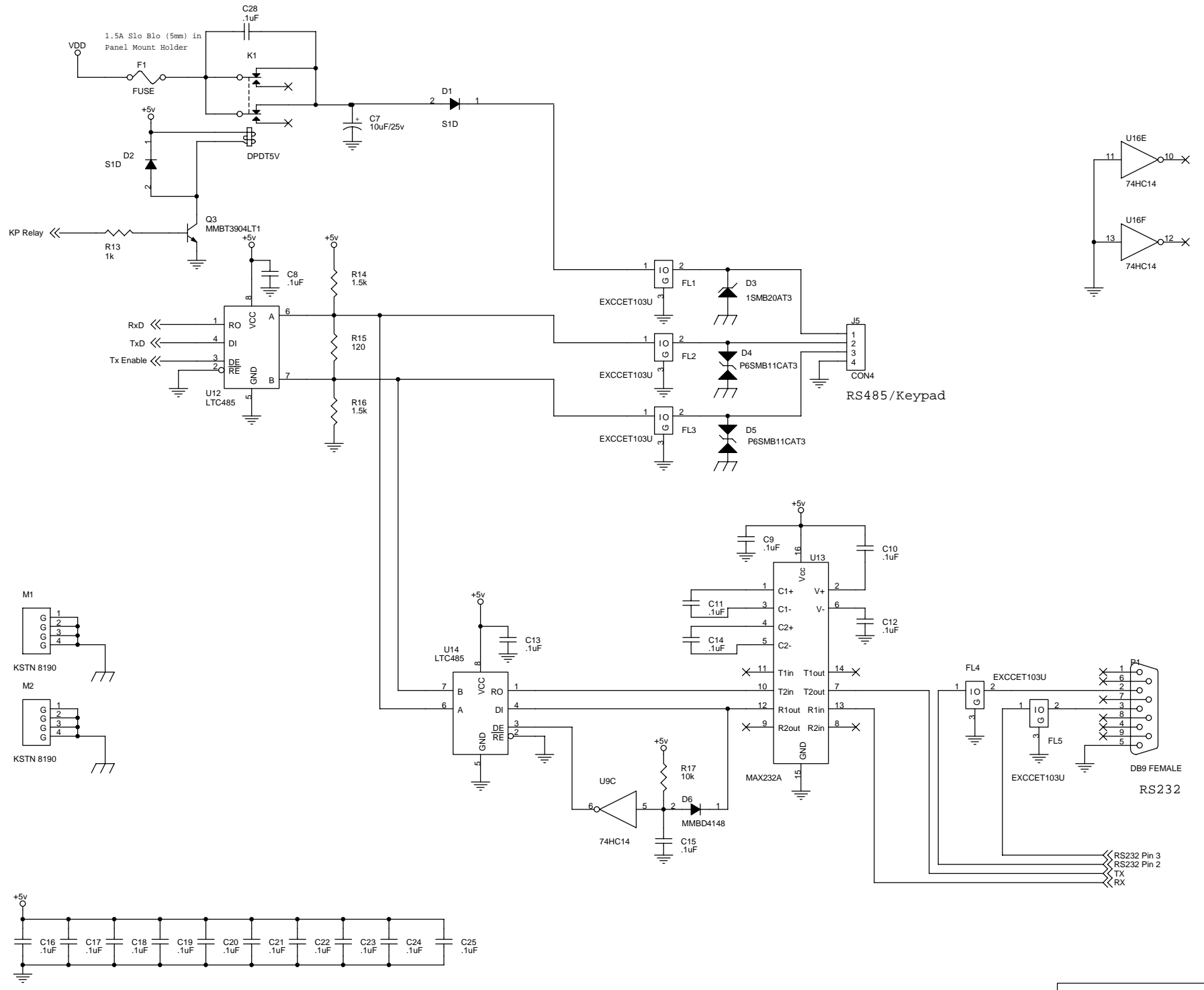
Data Memory Map

0000-7FFF:	NV SRAM
8000-8005:	WRITE ZONE REGISTERS
8006-8007:	WRITE LED REGISTERS
8000-8001:	READ BUTTON REGISTERS





Title		PX-700 Controller Board	
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C	052-00065	01	
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PX-700 POWER SUPPLY BD



AUDIOACCESS *PX-700 Parts List*

805-00066-00, ASSEMBLY, PX700 POWER SUPPLY BOARD, 120V

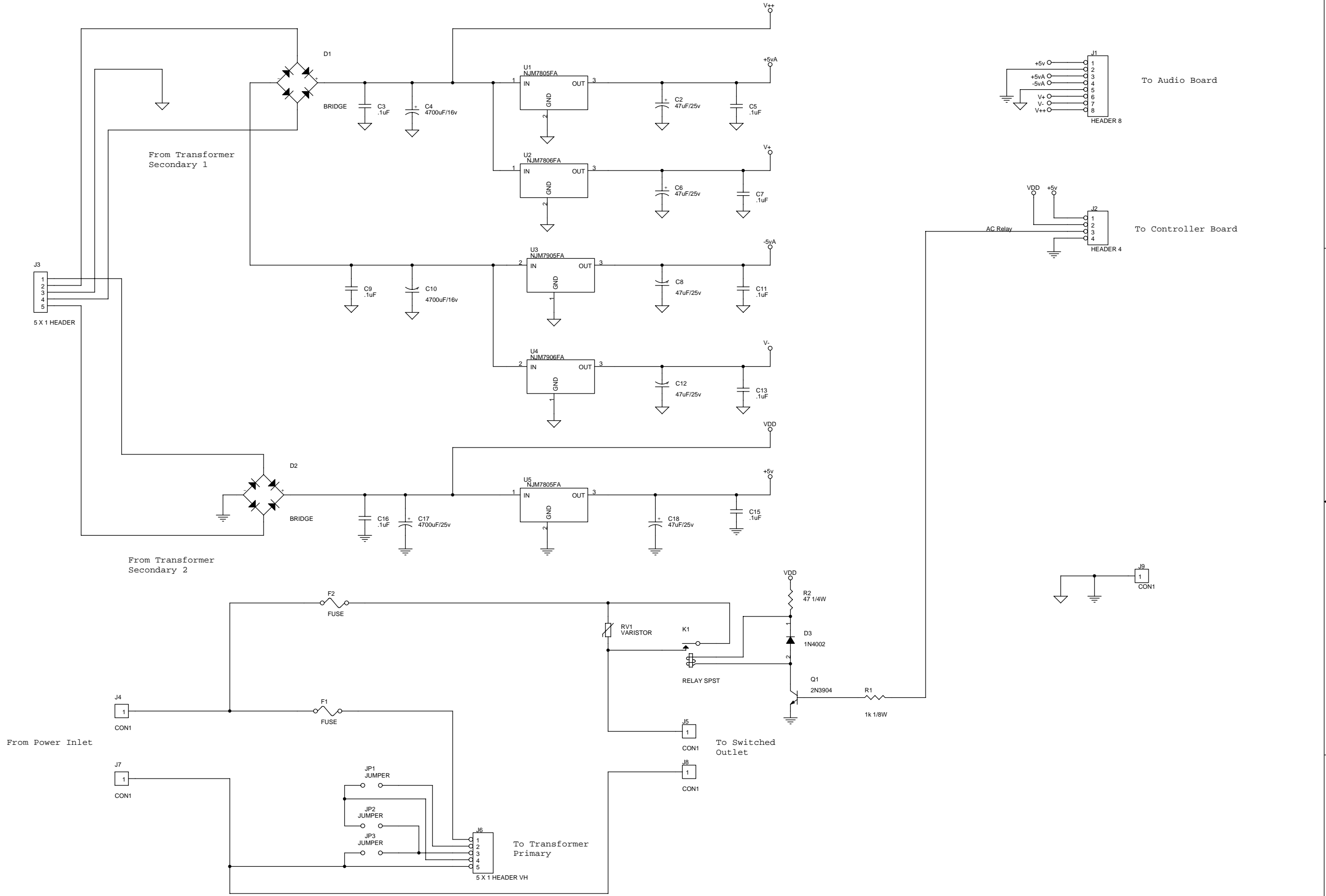
Item	qty	Reference	PN	Description
60	8	C3,C5,C7,C9,C11,C13,C15, C16	135-22410-00	CAP, AX CER, 0.1uF 50V, Z5U 20%
220	1	R1	101-12100-00	RES, AXIAL, 1.0K, 5%, CF, 1/8W
40	1		405-00065-00	PCB, PX700 POWER SUPPLY BOARD
130	1	J1	320-52208-00	HEADER, 1X8, ST, POL, LOCKRAMP
140	1	J2	320-52204-00	HEADER, 1X4, ST, POL, LOCKRAMP
150	1	J6	320-52605-00	HEADER, 1X5, ST, POL, LOCKRAMP, 0.156"
160	5	J4,J5,J7,J8,J9	324-01021-00	CONN, QC PC MALE, 0.250"
170	1	J3	320-52205-00	HEADER, 1X5, ST, POL, LOCKRAMP
180	1	K1	308-15012-00	RELAY, PC NPSS TYPE 1, 12V
190	2	JP1, JP3	101-10000-00	JUMPER, 0.300"
110	1	D3	200-14003-00	DIODE, RECT, 1A, 1N4003
210	2	RV1	191-04250-00	MOV, RAD DISC,14mm, 250V
100	2	D1,D2	203-34005-00	BRIDGE RECT, 4A, 50V
230	1	R2	101-30470-00	RES, AXIAL, 47 Ohm, 5%, CF, 1/4W
240	2	U1,U5	220-27805-00	VREG, TO-220 IN, +5V, 7805
250	1	U2	220-27806-00	VREG, TO-200 IN, +6V, 7806
260	1	U3	220-27905-00	VREG, TO-220 IN, -5V, 7905
270	1	U4	220-27906-00	VREG, TO-220 IN, -6V, 7906
280	10	U1, U2, U3, U4, U5	700-06021-00	HEATSINK, TO-220, 6021
290	5	U1, U2, U3, U4, U5	600-10003-00	SCREW, MCH PH PN ZNC, 4-40X0.375"
300	5	U1, U2, U3, U4, U5	610-10100-00	NUT, 4-40, KEP
310	1	U5	750-20058-00	HEATSINK PAD, TO-220 (SILPAD)
200	1	Q1	210-03904-00	TRANS, NPN, 2N3904
90	1	C17	140-32547-00	CAP, RAD AL EL, 4700uF, 25V, 20%
80	2	C4,C10	140-22547-00	CAP, RAD AL EL, 4700uF, 16V, 20%



AUDIOACCESS **PX-700 Parts List**

805-00066-00, ASSEMBLY, PX700 POWER SUPPLY BOARD, 120V

Item	Qty	Reference	PN	Description
70	5	C2,C6,C8,C12,C18	140-32347-00	CAP, RAD AL EL, 47uF, 25V, 20%
50	1		095-00065-00	FAB DRAWING, PX700 POWER SUPPLY BOARD
30	1		045-00065-00	ASSEMBLY DRAWING, PX700 POWER SUPPLY BOA
20	1		075-00065-00	PARTS PLACEMENT DIAGRAM, PX700 POWER SUP
10	1		055-00065-00	SCHEMATIC, PX700 POWER SUPPLY BOARD
120	4	F1,F2	690-00501-00	FUSE CLIP, 5mm PC MNT, 111-501



Install JP1 and JP3 only for 115V.
 Install JP2 only for 230V.

Title		
PX-700 Power Supply Board		
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C	055-00065	00
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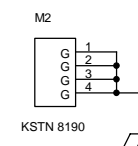
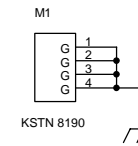
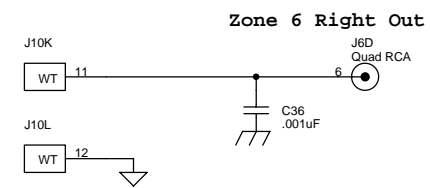
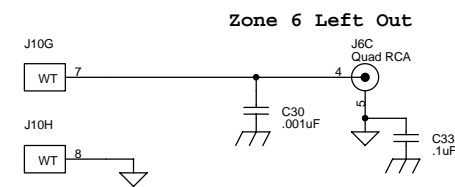
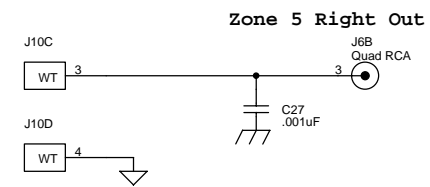
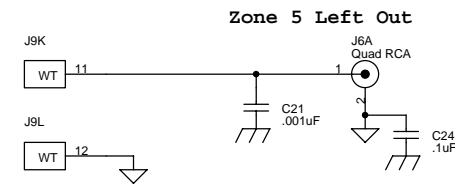
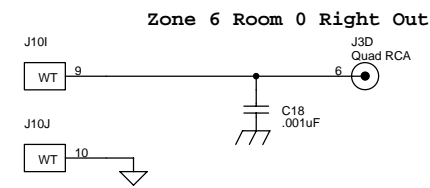
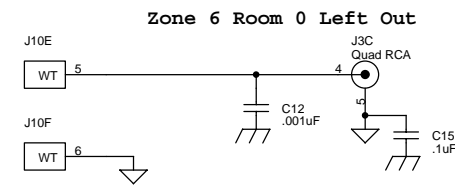
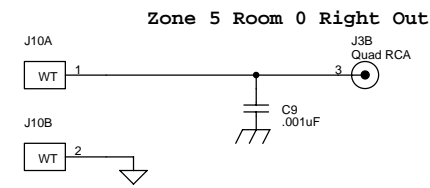
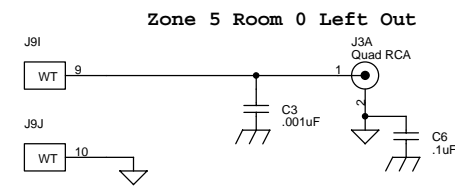
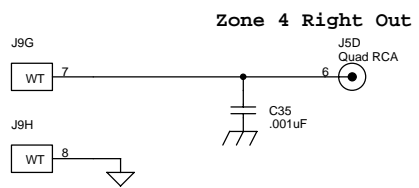
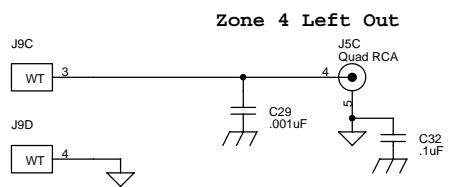
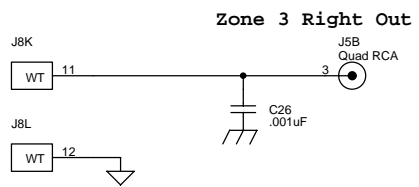
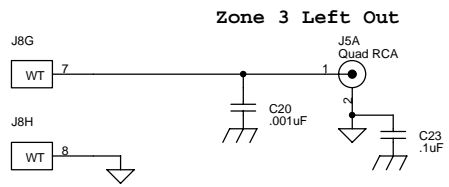
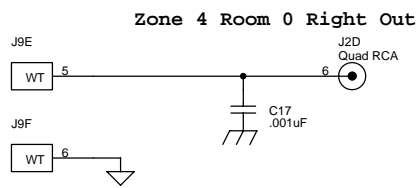
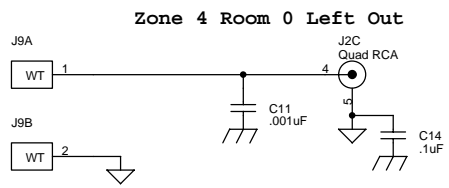
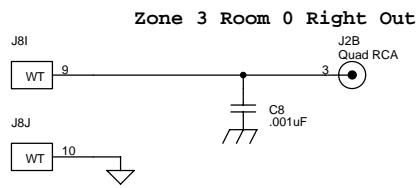
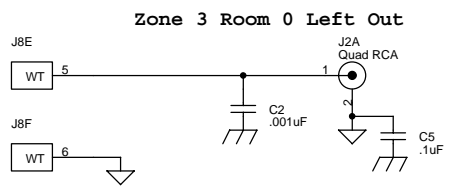
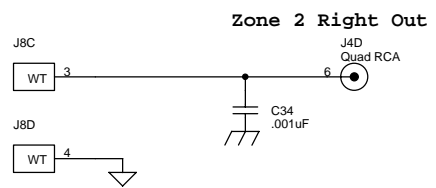
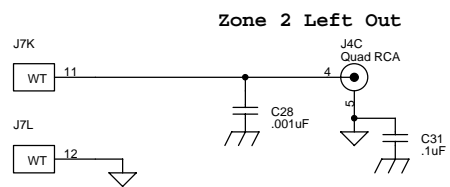
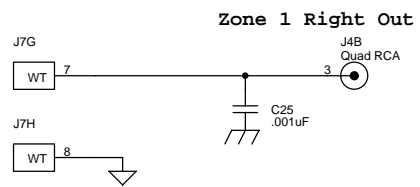
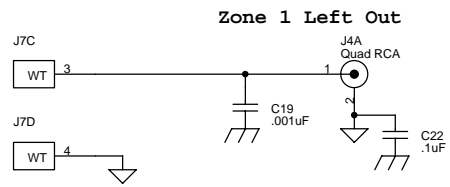
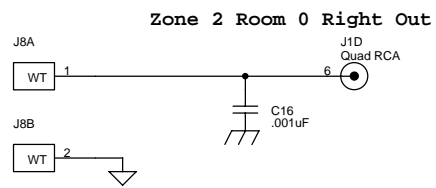
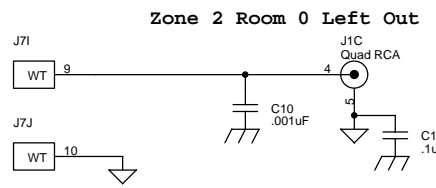
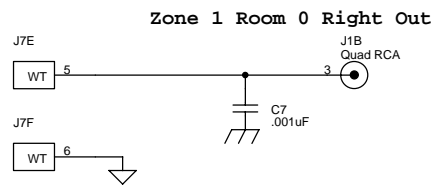
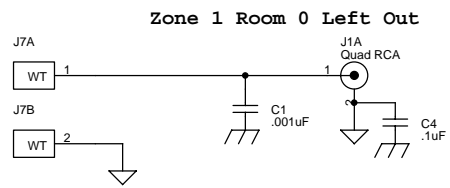
PX-700 Audio Output BD



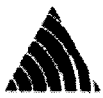
AUDIOACCESS **PX-700 Parts List**

801-00065-00, ASSEMBLY, PX700 AUDIO OUTPUT BOARD

item	qty	Reference	PN	Description
100	4	J7,J8,J9,J10	460-00065-00	RIBBON CABLE, 10.25", 12 CONDUCTOR
90	4	J7,J8,J9,J10	320-00012-00	RIBBON HOLDER, 2mm, 12 COND
80	6	J1,J2,J3,J4,J5,J6	321-02001-00	RCA JACK, 14mm QUAD, R/W
70	12	C4,C5,C6,C13,C14,C15,C22,C23,C24,C31,C32,C33	155-21410-01	CAP, SMT CER, 0.1uF, 50V, X7R 10%, 0805
60	24	C1,C2,C3,C7,C8,C9,C10,C11,C12,C16,C17,C18,C19,C20,C21,C25,C26,C27,C28,C29,C30,C34,C35,C36	155-20210-00	CAP, SMT CER, 0.001uF, 50V, COG 5%, 0805
50	1		091-00065-00	FAB DRAWING, PX700 AUDIO OUTPUT BOARD
40	1		401-00065-00	PCB, PX700 AUDIO OUTPUT BOARD
30	1		041-00065-00	ASSEMBLY DRAWING, PX700 AUDIO OUTPUT BOA
10	1		051-00065-00	SCHEMATIC, PX700 AUDIO OUTPUT BOARD
110	2	M1,M2	612-18190-00	BRACKET, PC MNT SCREW TERM, 8190 (NO SCRE
20	1		071-00065-00	PARTS PLACEMENT DIAGRAM, PX700 AUDIO OUTP



PX-700 IR OUTPUT BD



AUDIOACCESS *PX-700 Parts List*

803-00065-00, ASSEMBLY, PX700 IR OUTPUT BOARD

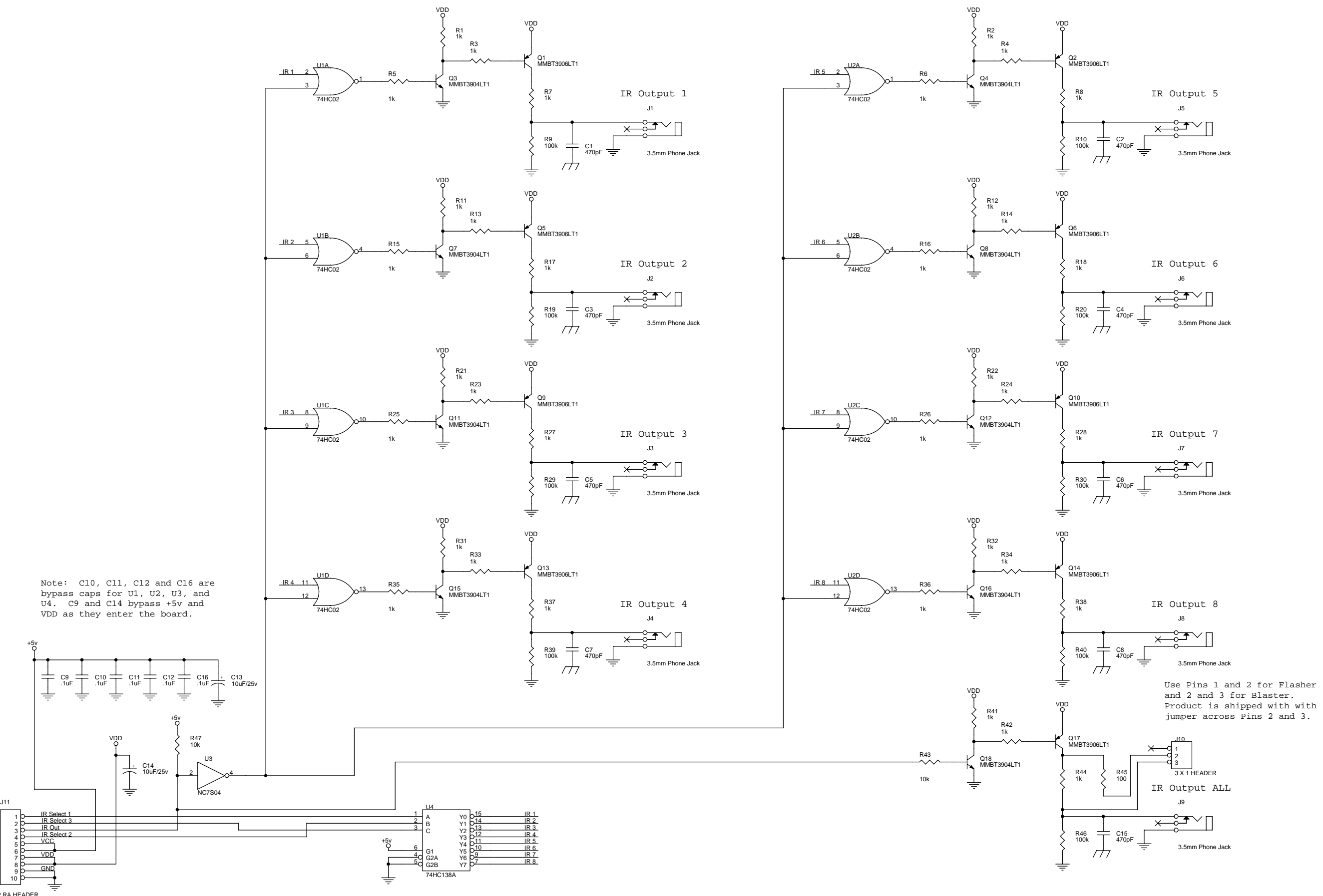
Item	Qty	Reference	PN	Description
40	1		403-00065-00	PCB, PX700 IR OUTPUT BOARD
150	36	R1,R2,R3,R4,R5,R6,R7,R8, R11,R12,R13,R14,R15,R16, R17,R18,R21,R22,R23,R24, R25,R26,R27,R28,R31,R32, R33,R34,R35,R36,R37,R38, R41,R42,R44	122-32100-00	RES, SMT, 1K, 5%, TF, 1/8W, 0805
210	1	U4	230-30138-00	DECODER, 3 TO 8, 74HC138, SOIC16N
200	1	U3	230-50004-00	INVERTER, NC7S04, SOT23-5
190	2	U1,U2	230-30002-00	NOR GATE, QUAD 2 IN, 74HC02, SOIC14N
180	1	R45	122-31100-00	RES, SMT, 100, 5%, TF, 1/8W, 0805
160	9	R9,R10,R19,R20,R29,R30, R39,R40,R46	122-34100-00	RES, SMT, 100K, 5%, TF, 1/8W, 0805
140	9	Q3,Q4,Q7,Q8,Q11,Q12,Q15 ,Q16,Q18	210-53904-00	TRANS, NPN, SMT, MMBT3904LT1, SOT23
130	9	Q1,Q2,Q5,Q6,Q9,Q10,Q13, Q14,Q17	211-53906-00	TRANS, NPN, SMT, MMBT3906LT1, SOT23
120	2	M1,M2	612-18190-00	BRACKET, PC MNT SCREW TERM, 8190 (NO SCRE
20	1		073-00065-00	PARTS PLACEMENT DIAGRAM, PX700 IR OUTPUT
170	2	R43,R47	122-33100-00	RES, SMT, 10K, 5%, TF, 1/8W, 0805
30	1		043-00065-00	ASSEMBLY DRAWING, PX700 IR OUTPUT BOARD
110	1	J11	320-55105-00	HEADER, 2X5, RA, SHROUDED
50	1		093-00065-00	FAB DRAWING, PX700 IR OUTPUT BOARD
60	9	C1,C2,C3,C4,C5,C6,C7,C8, C15	155-20147-00	CAP, SMT CER, 470pF, 50V, COG 5%, 0805
70	5	C9,C10,C11,C12,C16	155-21410-01	CAP, SMT CER, 0.1uF, 50V, X7R 10%, 0805
80	2	C14,C13	150-32310-00	CAP, SMT AL EL, 10uF, 25V, 20%
90	9	J1,J2,J3,J4,J5,J6,J7,J8,J9	321-20000-00	PHONE JACK, 3.5mm, MONO, SB
100	1	J10	320-52003-00	HEADER, 1X3



AUDIOACCESS *PX-700 Parts List*

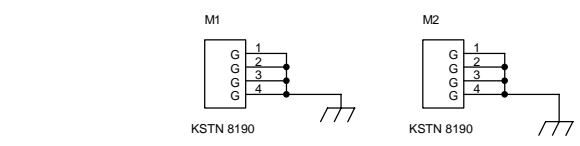
803-00065-00, ASSEMBLY, PX700 IR OUTPUT BOARD

Item	Qty	Reference	PN	Description
10	1		053-00065-00	SCHEMATIC, PX700 IR OUTPUT BOARD

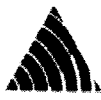


Note: C10, C11, C12 and C16 are bypass caps for U1, U2, U3, and U4. C9 and C14 bypass +5v and VDD as they enter the board.

Use Pins 1 and 2 for Flasher and 2 and 3 for Blaster. Product is shipped with with jumper across Pins 2 and 3.



PX-700 FRONT PANEL BD

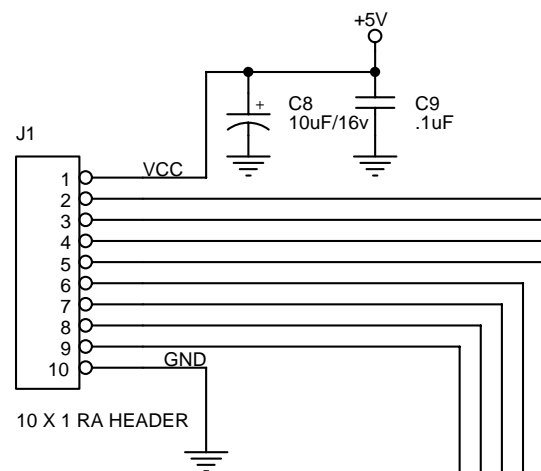


AUDIOACCESS **PX-700 Parts List**

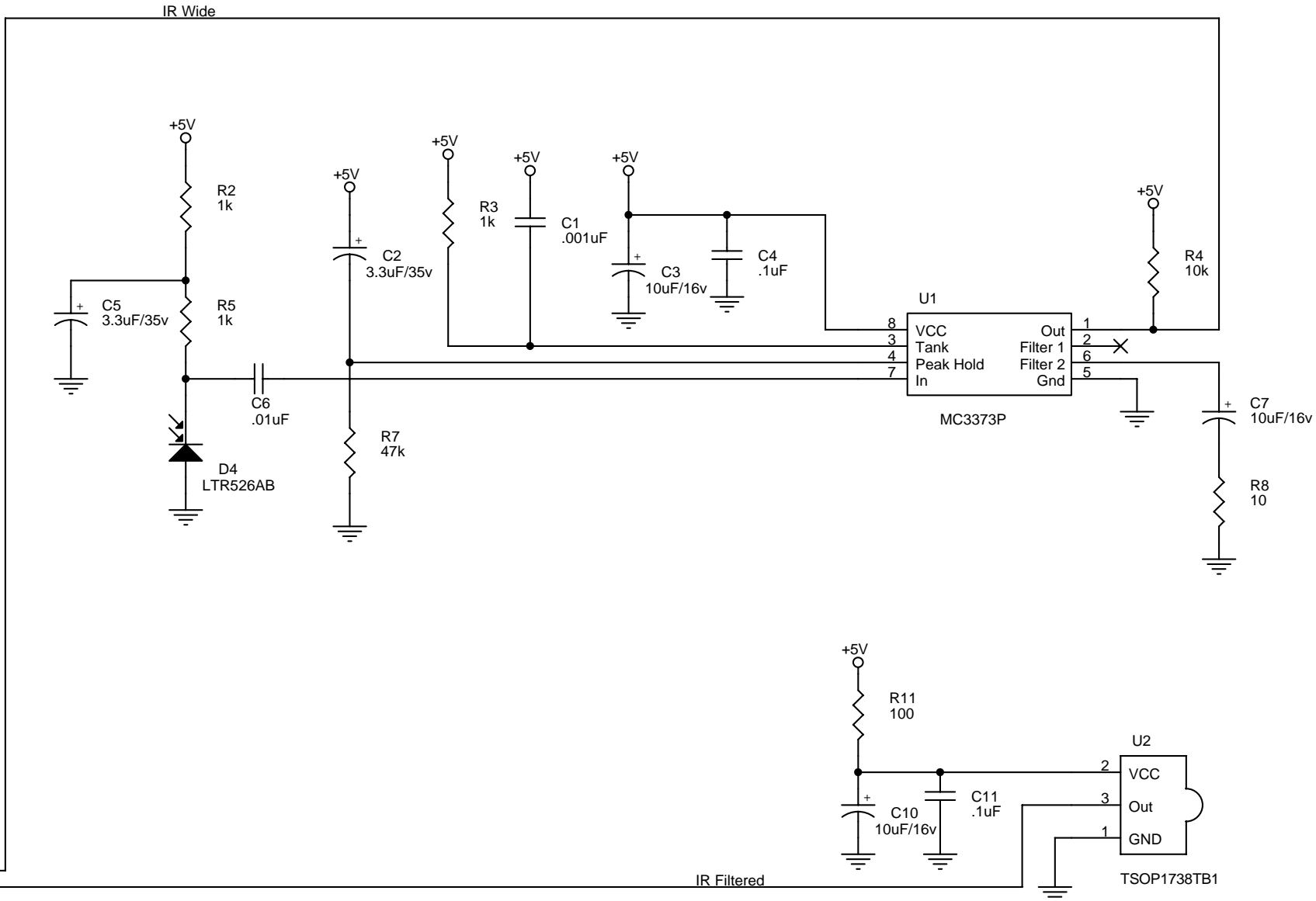
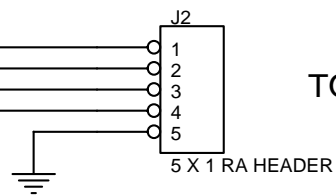
806-00065-00, ASSEMBLY, PX700 FRONT PANEL BOARD

Item	qty	Reference	PN	Description
150	2	R11	122-31100-00	RES, SMT, 100, 5%, TF, 1/8W, 0805
140	1	J2	320-56105-00	HEADER, 1X5, RA, POL, SHROUDED, 2mm
130	1	J1	320-56110-00	HEADER, 1X10, RA, POL, SHROUDED, 2mm
120	1	D5	204-15570-00	LED, BI-COLOR, T1, 3.1mm, Y/G (570 nm) and R (630
160	3	R1,R2,R3,R5	122-32100-00	RES, SMT, 1K, 5%, TF, 1/8W, 0805
100	1	C6	155-21310-01	CAP, SMT CER, 0.01uF, 50V, X7R 10%, 0805
220	1	U1	272-13373-00	IR AMPLIFIER/DETECTOR, MC3373P
110	1	D4	209-00526-00	PHOTODIODE, IR, LTR526AB
170	3	R4,R12	122-33100-00	RES, SMT, 10K, 5%, TF, 1/8W, 0805
180	1	R7	122-33470-00	RES, SMT, 47K, 5%, TF, 1/8W, 0805
190	1	R8	122-30100-00	RES, SMT, 10, 5%, TF, 1/8W, 0805
90	3	C4,C9,C11	155-21410-01	CAP, SMT CER, 0.1uF, 50V, X7R 10%, 0805
210	1	S1	300-03200-00	SWITCH, PC, SPST MOM, E320E1-1, BLACK CAP
50	1		096-00065-00	FAB DRAWING, PX700 FRONT PANEL BOARD
230	1	U2	272-05380-00	IR RECEIVER, 38kHz, W/CLIP, TFMT 5380
240	2	U3,U4	230-50004-00	INVERTER, NC7S04, SOT23-5
250	1	D5	640-90350-00	SPACER, LED, TRILEAD, 0.350"
200	1	R10	122-31180-00	RES, SMT, 180, 5%, TF, 1/8W, 0805
60	1	C1	155-20210-00	CAP, SMT CER, 0.001uF, 50V, COG 5%, 0805
40	1		406-00065-00	PCB, PX700 FRONT PANEL BOARD
30	1		046-00065-00	ASSEMBLY DRAWING, PX700 FRONT PANEL BOAR
20	1		076-00065-00	PARTS PLACEMENT DIAGRAM, PX700 FRONT PAN
10	1		056-00065-00	SCHEMATIC, PX700 FRONT PANEL BOARD
70	1	C5,C2	150-42233-00	CAP, SMT AL EL , 3.3uF, 35V, 20%
80	4	C3,C7,C8,C10	150-22310-00	CAP, SMT AL EL, 10uF, 16V, 20%

TO CONTROLLER BOARD



TO RS-232 BOARD



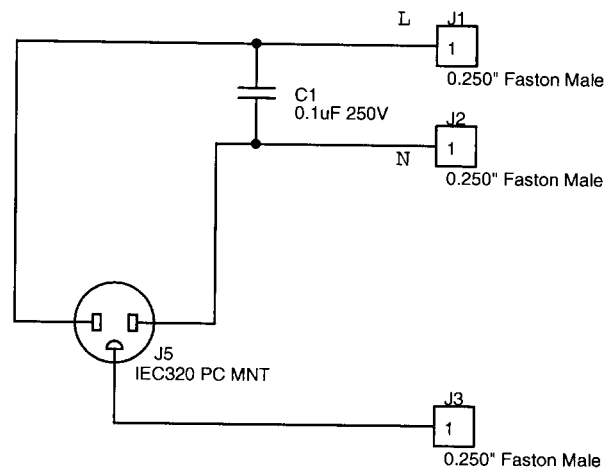
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PX-700 FRONT PANEL BOARD		
Size	Document Number	Rev
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PX-700 POWER INLET BD



80C-00065-00, ASSEMBLY, PX700 POWER INLET BOARD

Item	Qty	Reference	PN	Description
20	1		07C-00065-00	PARTS PLACEMENT DIAGRAM, PX700 POWER INLE
80	1	C1	143-68410-00	CAP, RAD PEF, 0.1uF, 250V, 20%, X RATED
70	3	J1,J2,J3	324-01021-00	CONN, QC PC MALE, 0.250"
60	1	J5	325-20580-00	CONN, AC, IEC320, PC MNT, FLANGED
50	1		09C-00065-00	FAB DRAWING, PX700 POWER INLET BOARD
30	1		04C-00065-00	ASSEMBLY DRAWING, PX700 POWER INLET BOAR
10	1		05C-00065-00	SCHEMATIC, PX700 POWER INLET BOARD
40	1		40C-00065-00	PCB, PX700 POWER INLET BOARD



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PX-700 Power Inlet Board		
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A	05C-00065-00	00
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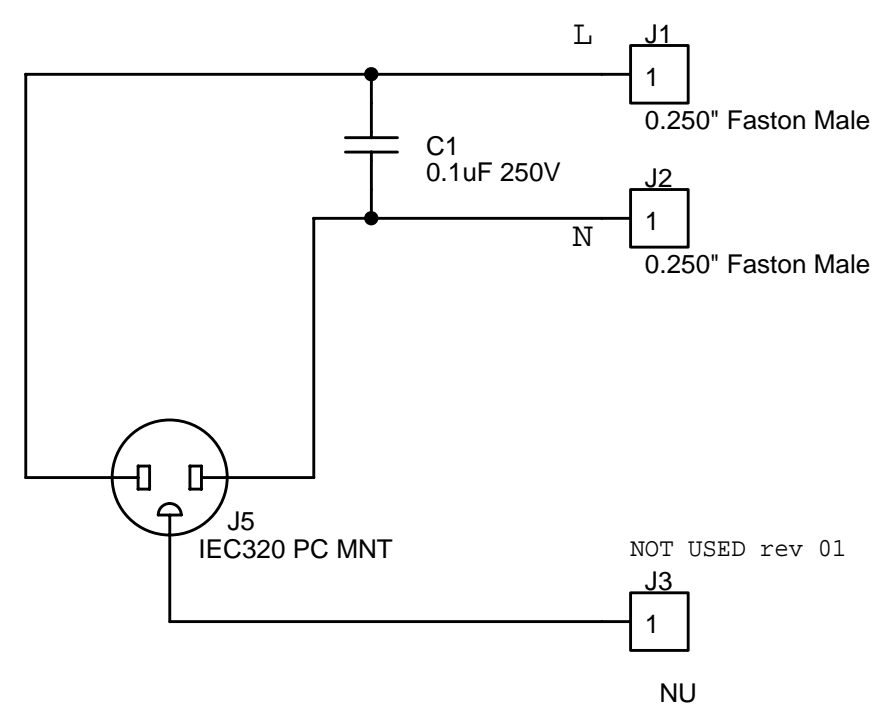
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Title		
PX-700 Power Inlet Board		
Size	Document Number	Rev
A	05C-00065-00	01
Date:	Friday, September 20, 2002	Sheet 1 of 1

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PX-700 Audio BD



AUDIOACCESS *PX-700 Parts List*

800-00065-01, ASSEMBLY, PX700 AUDIO BOARD

Item	qty	Reference	PN	Description
370	12	R91,R130,R168,R207,R245 ,R284,R322,R361,R399,R4 38,R476,R515	121-30681-00	RES, SMT, 681, 1%, TF, 1/8W, 0805
250	2	Q44,Q46	211-53906-00	TRANS, NPN, SMT, MMBT3906LT1, SOT23
260	2	Q45,Q47	210-53904-00	TRANS, NPN, SMT, MMBT3904LT1, SOT23
270	72	R1,R2,R3,R4,R9,R10,R11,R 12,R17,R18,R19,R20,R25,R 26,R27,R28,R33,R34,R35,R 36,R41,R42,R43,R44,R49,R 50,R51,R52,R57,R58,R59,R 60,R65,R67,R75,R76,R93,R 114,R115,R132,R152,R153, R170,R191,R192,R209,R22 9,R230,R247,R268,R269,R 286,R306,R307,R324,R345, R346,R363,R383,R3	122-31330-00	RES, SMT, 330, 5%, TF, 1/8W, 0805
280	17	R5,R6,R7,R8,R21,R22,R23, R24,R37,R38,R39,R40,R53, R54,R55,R56,R66	121-32200-00	RES, SMT, 20.0K, 1%, TF, 1/8W, 0805
290	43	R13,R14,R15,R16,R29,R30, R31,R32,R45,R46,R47,R48, R61,R62,R63,R64,R68,R82, R99,R119,R137,R159,R176 ,R196,R214,R236,R253,R2 73,R291,R313,R330,R350, R368,R390,R407,R427,R44 5,R467,R484,R504,R522,R 534,R538	122-32270-00	RES, SMT, 2.7K, 5%, TF, 1/8W, 0805
300	12	R70,R109,R147,R186,R224 ,R263,R301,R340,R378,R4 17,R455,R494	122-35100-00	RES, SMT, 1M, 5%, TF, 1/8W, 0805
310	142	R69,R72,R78,R80,R83,R87, R94,R100,R102,R104,R106 ,R108,R111,R117,R120,R1 22,R126,R133,R138,R140, R142,R144,R146,R149,R15 5,R157,R160,R164,R171,R 177,R179,R181,R183,R185, R188,R194,R197,R199,R20 3,R210,R215,R217,R219,R 221,R223,R226,R232,R234, R237,R241,R248,R254,R2	121-32100-00	RES, SMT, 10.0K, 1%, TF, 1/8W, 0805



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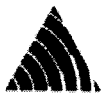
Item	qty	Reference	PN	Description
320	156	R71,R73,R74,R79,R86,R88, R90,R92,R95,R101,R103,R 105,R107,R110,R112,R113, R118,R125,R127,R128,R13 1,R135,R139,R141,R143,R 145,R148,R150,R151,R156, R163,R165,R167,R169,R17 2,R178,R180,R182,R184,R 187,R189,R190,R195,R202, R204,R205,R208,R211,R21 6,R218,R220,R222,R225	121-31200-00	RES, SMT, 2.00K, 1%, TF, 1/8W, 0805
330	12	R77,R116,R154,R193,R231 ,R270,R308,R347,R385,R4 24,R462,R501	122-34330-00	RES, SMT, 330K, 5%, TF, 1/8W, 0805
240	43	Q1,Q2,Q3,Q4,Q5,Q6,Q7,Q8 ,Q9,Q10,Q11,Q12,Q13,Q14, Q15,Q16,Q17,Q18,Q19,Q20 ,Q21,Q22,Q23,Q24,Q25,Q2 6,Q27,Q28,Q29,Q30,Q31,Q 32,Q33,Q34,Q35,Q36,Q37, Q38,Q39,Q40,Q41,Q42,Q43	210-53326-00	TRANS, NPN, SMT, MUTING, 2SC3326
350	12	R84,R123,R161,R200,R238 ,R277,R315,R354,R392,R4 31,R469,R508	121-33127-00	RES, SMT, 127K, 1%, TF, 1/8W, 0805
360	12	R85,R124,R162,R201,R239 ,R278,R316,R355,R393,R4 32,R470,R509	121-32147-00	RES, SMT, 14.7K, 1%, TF, 1/8W, 0805
390	12	R96,R134,R173,R212,R250 ,R289,R327,R366,R404,R4 43,R481,R520	122-33470-00	RES, SMT, 47K, 5%, TF, 1/8W, 0805
400	12	R97,R136,R174,R213,R251 ,R290,R328,R367,R405,R4 44,R482,R521	122-32330-00	RES, SMT, 3.3K, 5%, TF, 1/8W, 0805
410	6	R98,R175,R252,R329,R406 ,R483	122-30100-00	RES, SMT, 10, 5%, TF, 1/8W, 0805



AUDIOACCESS *PX-700 Parts List*

800-00065-01, ASSEMBLY, PX700 AUDIO BOARD

Item	Qty	Reference	PN	Description
420	42	U1,U2,U3,U4,U5,U6,U7,U8, U9,U10,U11,U12,U13,U14, U15,U16,U17,U18,U22,U23, U25,U27,U31,U33,U35,U36, U40,U42,U44,U45,U49,U51, U53,U54,U58,U60,U62,U63, U67,U69,U71,U72	221-30072-00	OPAMP, DUAL LN JFET, TL072, SMT
430	12	U19,U20,U28,U29,U37,U38, U46,U47,U55,U56,U64,U65	232-34051-00	ANALG SWTCH, SINGLE, 8 TO 1, CD4051B, SMT
440	6	U21,U30,U39,U48,U57,U66	232-34052-00	ANALG SWTCH, DUAL, 4 TO 1, CD4052B, SMT
450	6	U24,U32,U41,U50,U59,U68	224-33310-00	VOLUME CONTROL, STEREO, DIGITAL, CS3310, SM
460	6	U26,U34,U43,U52,U61,U70	224-09184-00	TONE CONTROL, DIGITAL CONTROL, TC9184P
470	6	U73,U74,U75,U76,U77,U78	230-30574-00	D FLIP FLOP, OCT 3STATE, 74HC574, SMT
340	12	R81,R121,R158,R198,R235 ,R275,R312,R352,R389,R4 29,R466,R506	121-31150-00	RES, SMT, 1.50K, 1%, TF, 1/8W, 0805
70	53	C5,C6,C7,C8,C9,C10,C11,C 12,C21,C22,C23,C24,C33,C 34,C35,C36,C37,C38,C39,C 40,C45,C46,C47,C48,C53,C 54,C55,C56,C57,C58,C59,C 60,C69,C70,C71,C72,C81,C 82,C83,C84,C85,C86,C87,C 88,C93,C94,C95,C96,C98,C 99,C102,C399,C403	155-20210-00	CAP, SMT CER, 0.001uF, 50V, COG 5%, 0805
380	14	R89,R129,R166,R206,R243 ,R283,R320,R360,R397,R4 37,R474,R514,R542,R546	122-34100-00	RES, SMT, 100K, 5%, TF, 1/8W, 0805
230	2	M1,M2	612-18190-00	BRACKET, PC MNT SCREW TERM, 8190 (NO SCRE
10	1		050-00065-01	SCHEMATIC, PX700 AUDIO BOARD
20	1		070-00065-00	PARTS PLACEMENT DIAGRAM, PX700 AUDIO BOAR
30	1		040-00065-00	ASSEMBLY DRAWING, PX700 AUDIO BOARD
40	1		400-00065-00	PCB, PX700 AUDIO BOARD



AUDIOACCESS **PX-700 Parts List**

800-00065-01, ASSEMBLY, PX700 AUDIO BOARD

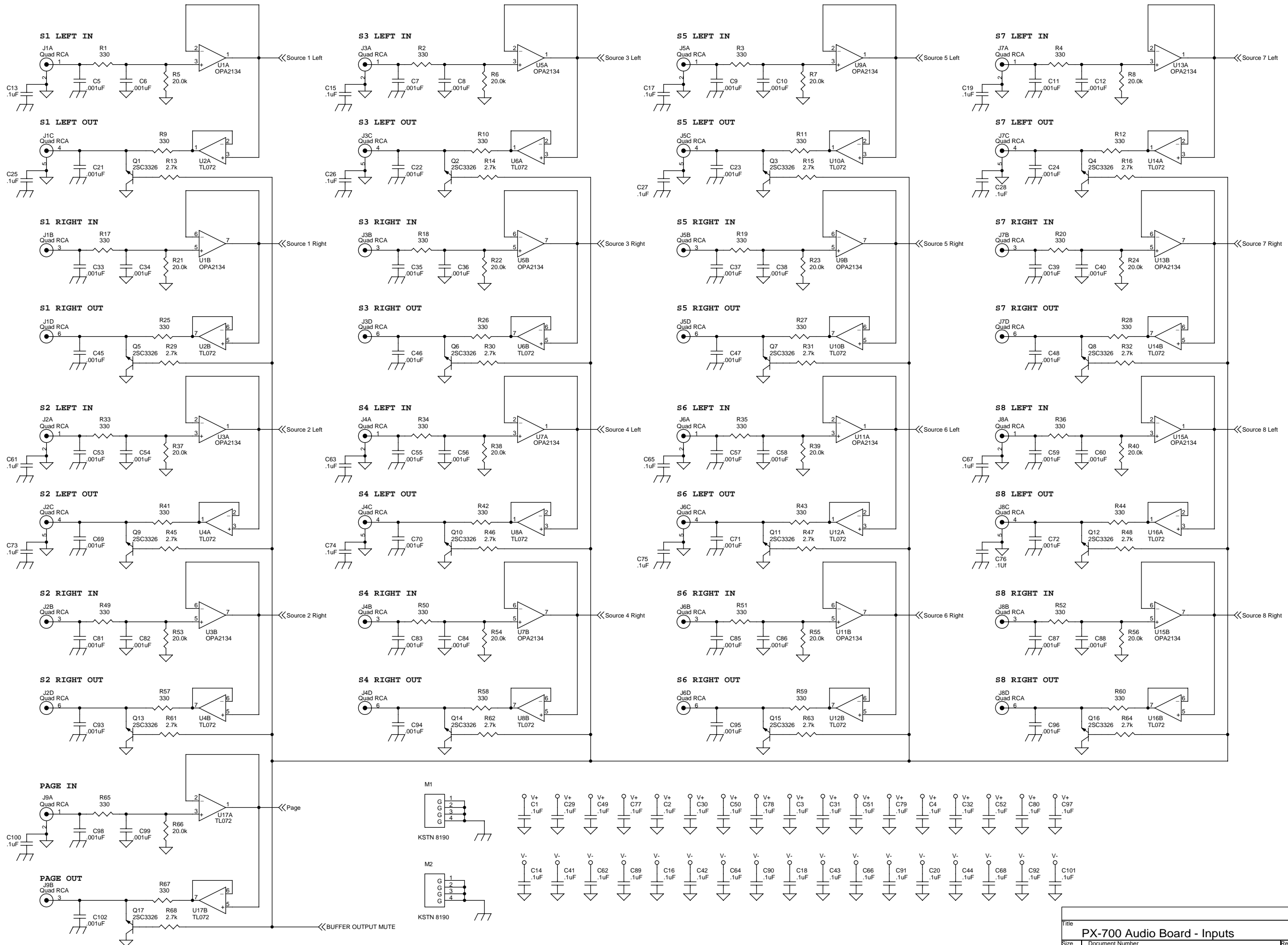
Item	qty	Reference	PN	Description
60	180	C1,C2,C3,C4,C13,C14,C15, C16,C17,C18,C19,C20,C25, C26,C27,C28,C29,C30,C31, C32,C41,C42,C43,C44,C49, C50,C51,C52,C61,C62,C63, C64,C65,C66,C67,C68,C73, C74,C75,C76,C77,C78,C79, C80,C89,C90,C91,C92,C97, C100,C101,C106,C107,C10 9,C110,C114,C115,C117,C 120,C122,C124,C12	155-21410-01	CAP, SMT CER, 0.1uF, 50V, X7R 10%, 0805
80	24	C105,C121,C135,C147,C15 4,C170,C184,C196,C203,C 219,C233,C245,C252,C268, C282,C294,C301,C317,C33 1,C343,C350,C366,C380,C 392	155-20110-00	CAP, SMT CER, 100pF, 50V, COG 5%, 0805
90	12	C104,C134,C153,C183,C20 2,C232,C251,C281,C300,C 330,C349,C379	155-20022-00	CAP, SMT CER, 22pF, 50V, COG 5%, 0805
100	14	C103,C133,C152,C182,C20 1,C231,C250,C280,C299,C 329,C348,C378,C397,C402	155-20047-00	CAP, SMT CER, 47pF, 50V, COG 5%, 0805
110	48	C108,C138,C157,C187,C20 6,C236,C255,C285,C304,C 334,C353,C383,C415,C416, C417,C418,C419,C420,C42 1,C422,C423,C424,C425,C 426,C427,C428,C429,C430, C431,C432,C433,C434,C43 5,C436,C437,C438,C439,C 440,C441,C442,C443,C444, C445,C446,C447,C448,C44 9,C450	143-23410-00	CAP, RAD PEF, 0.1uF, 63V, 5%, BOX
200	4	J10,J11,J12,J13	320-00512-00	CONN, WIRE TRAP, 2mm ST, 12 COND
220	1	J15	320-52208-00	HEADER, 1X8, ST, POL, LOCKRAMP
50	1		090-00065-00	FAB DRAWING, PX700 AUDIO BOARD
210	1	J14	320-55010-00	HEADER, 2X10, SHROUDED
190	9	J1,J2,J3,J4,J5,J6,J7,J8,J9	321-02001-00	RCA JACK, 14mm QUAD, R/W
180	2	D2,D1	201-54148-00	DIODE, SWITCHING, SMT, MMBD4148



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Item	Qty	Reference	PN	Description
170	12	C128,C151,C177,C200,C226,C249,C275,C298,C324,C347,C373,C396	143-33318-00	CAP, RAD PEF, 0.018uF, 100V, 5%, BOX
160	12	C123,C148,C172,C197,C221,C246,C270,C295,C319,C344,C368,C393	143-33368-00	CAP, RAD PEF, 0.068uF, 100V, 5%, BOX
150	12	C119,C146,C168,C195,C217,C244,C266,C293,C315,C342,C364,C391	143-33315-00	CAP, RAD PEF, 0.015uF, 100V, 5%, BOX
140	12	C116,C143,C165,C192,C214,C241,C263,C290,C312,C339,C361,C388	143-33239-00	CAP, RAD PEF, 0.0039uF, 100V, 5%, BOX
130	36	C112,C113,C118,C140,C141,C144,C161,C162,C167,C189,C190,C193,C210,C211,C216,C238,C239,C242,C259,C260,C265,C287,C288,C291,C308,C309,C314,C336,C337,C340,C357,C358,C363,C385,C386,C389	140-32347-00	CAP, RAD AL EL, 47uF, 25V, 20%
120	30	C111,C125,C126,C129,C139,C160,C174,C175,C178,C188,C209,C223,C224,C227,C237,C258,C272,C273,C276,C286,C307,C321,C322,C325,C335,C356,C370,C371,C374,C384	140-42310-00	CAP, RAD AL EL, 10uF, 35V, 20%



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