



SERVICE MANUAL

MODEL TYPE: YS1080
MC12D

WEB ACCESS: <http://www.yorkville.com>

WORLD HEADQUARTERS CANADA

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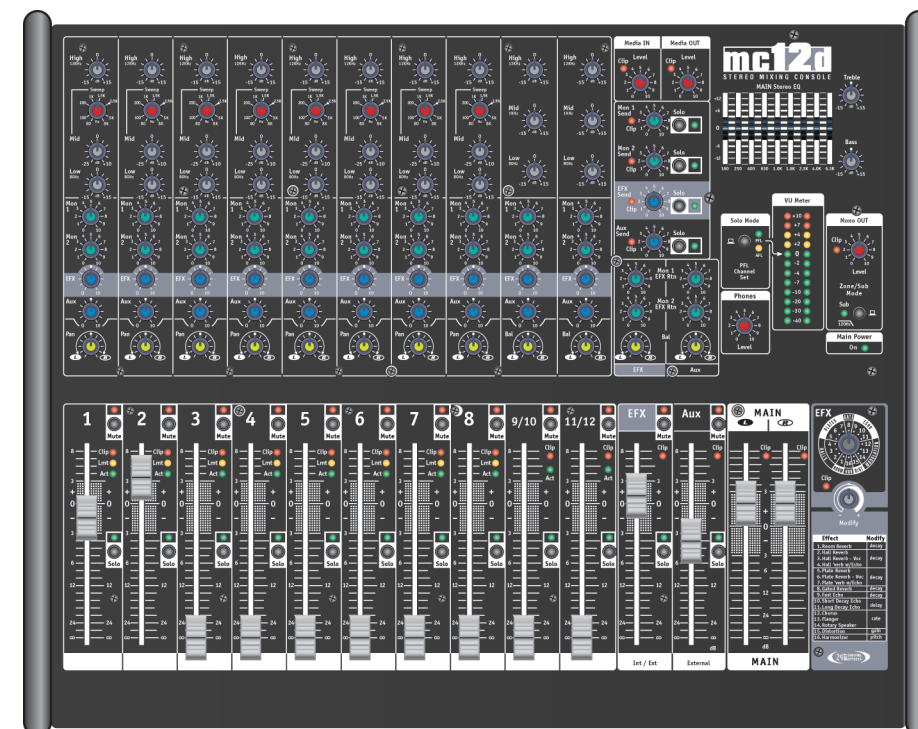
U.S.A.

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Quality and Innovation Since 1963
Printed in Canada



IMPORTANT SAFETY INSTRUCTIONS



This lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

Ce symbole d'éclair avec tête de flèche dans un triangle équilatéral est prévu pour alerter l'utilisateur de la présence d'un « voltage dangereux » non-isolé à proximité de l'enceinte du produit qui pourrait être d'ampleur suffisante pour présenter un risque de choc électrique.



CAUTION AVIS

**RISK OF ELECTRIC SHOCK
DO NOT OPEN**

**RISQUE DE CHOC ELECTRIQUE
NE PAS OUVRIR**



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Le point d'exclamation à l'intérieur d'un triangle équilatéral est prévu pour alerter l'utilisateur de la présence d'instructions importantes dans la littérature accompagnant l'appareil en ce qui concerne l'opération et la maintenance de cet appareil.



SZ125A

FOLLOW ALL INSTRUCTIONS

**Instructions pertaining to a risk of fire,
electric shock, or injury to a person**

**CAUTION: TO REDUCE THE RISK OF ELECTRIC
SHOCK, DO NOT REMOVE COVER (OR BACK).**

NO USER SERVICEABLE PARTS INSIDE.

**REFER SERVICING TO QUALIFIED
SERVICE PERSONNEL.**

SUIVEZ TOUTES LES INSTRUCTIONS

**Instructions relatives au risque de feu,
choc électrique, ou blessures aux personnes**

**AVIS: AFIN DE REDUIRE LES RISQUE DE CHOC
ELECTRIQUE, N'ENLEVEZ PAS LE COUVERT (OU LE
PANNEAU ARRIERE) NE CONTIENT AUCUNE PIECE**

REPARABLE PAR L'UTILISATEUR.

**CONSULTEZ UN TECHNICIEN QUALIFIE
POUR L'ENTRETIEN**

Read Instructions: The Owner's Manual should be read and understood before operation of your unit. Please, save these instructions for future reference and heed all warnings.

Clean only with dry cloth.

Packaging: Keep the box and packaging materials, in case the unit needs to be returned for service.

Warning: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. *Do not use this apparatus near water!*

Warning: When using electric products, basic precautions should always be followed, including the following:

Power Sources

Your unit should be connected to a power source only of the voltage specified in the owners manual or as marked on the unit. This unit has a polarized plug. Do not use with an extension cord or receptacle unless the plug can be fully inserted. Precautions should be taken so that the grounding scheme on the unit is not defeated. An apparatus with CLASS I construction shall be connected to a Mains socket outlet with a protective earthing ground. Where the MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.

Hazards

Do not place this product on an unstable cart, stand, tripod, bracket or table. The product may fall, causing serious personal injury and serious damage to the product. Use only with cart, stand, tripod, bracket, or table recommended by the manufacturer or sold with the product. Follow the manufacturer's instructions when installing the product and use mounting accessories recommended by the manufacturer. Only use attachments/accessories specified by the manufacturer

Note: Prolonged use of headphones at a high volume may cause health damage on your ears.

The apparatus should not be exposed to dripping or splashing water; no objects filled with liquids should be placed on the apparatus.

Terminals marked with the "lightning bolt" are hazardous live; the external wiring connected to these terminals require installation by an instructed person or the use of ready made leads or cords.

Ensure that proper ventilation is provided around the appliance. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

No naked flame sources, such as lighted candles, should be placed on the apparatus.

Power Cord

Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet. The AC supply cord should be routed so that it is unlikely that it will be damaged. Protect the power cord from being walked on or pinched particularly at plugs. If the AC supply cord is damaged DO NOT OPERATE THE UNIT. To completely disconnect this apparatus from the AC Mains, disconnect the power supply cord plug from the AC receptacle. The mains plug of the power supply cord shall remain readily operable.

Unplug this apparatus during lightning storms or when unused for long periods of time.

Service

The unit should be serviced only by qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

Veillez Lire le Manuel: Il contient des informations qui devraient être comprises avant l'opération de votre appareil. Conservez. Gardez S.V.P. ces instructions pour consultations ultérieures et observez tous les avertissements.

Nettoyez seulement avec le tissu sec.

Emballage: Conservez la boîte au cas où l'appareil devait être retourner pour réparation.

Avertissement: Pour réduire le risque de feu ou la décharge électrique, n'exposez pas cet appareil à la pluie ou à l'humidité. *N'utilisez pas cet appareil près de l'eau!*

Attention: Lors de l'utilisation de produits électrique, assurez-vous d'adhérer à des précautions de bases incluant celle qui suivent:

Alimentation

L'appareil ne doit être branché qu'à une source d'alimentation correspondant au voltage spécifié dans le manuel ou tel qu'indiqué sur l'appareil. Cet appareil est équipé d'une prise d'alimentation polarisée. Ne pas utiliser cet appareil avec un cordon de raccordement à moins qu'il soit possible d'insérer complètement les trois lames. Des précautions doivent être prises afin d'éviter que le système de mise à la terre de l'appareil ne soit désengagé. Un appareil construit selon les normes de CLASS I devrait être raccordé à une prise murale d'alimentation avec connexion intacte de mise à la masse. Lorsqu'une prise de branchement ou un coupleur d'appareils est utilisée comme dispositif de débranchement, ce dispositif de débranchement devra demeurer pleinement fonctionnel avec raccordement à la masse.

Risque

Ne pas placer cet appareil sur un chariot, un support, un trépied ou une table instables. L'appareil pourrait tomber et blesser quelqu'un ou subir des dommages importants. Utiliser seulement un chariot, un support, un trépied ou une table recommandés par le fabricant ou vendus avec le produit. Suivre les instructions du fabricant pour installer l'appareil et utiliser les accessoires recommandés par le fabricant. Utilisez seulement les attachments/accessoires indiqués par le fabricant

Note: L'utilisation prolongée des écouteurs à un volume élevé peut avoir des conséquences néfastes sur la santé sur vos oreilles. .

Il convient de ne pas placer sur l'appareil de sources de flammes nues, telles que des bougies allumées.

L'appareil ne doit pas être exposé à des égouttements d'eau ou des éclaboussures et qu'aucun objet rempli de liquide tel que des vases ne doit être placé sur l'appareil.

Assurez que l'appareil est fourni de la propre ventilation. Ne procédez pas à l'installation près de source de chaleur tels que radiateurs, registre de chaleur, fous ou autres appareils (incluant les amplificateurs) qui produisent de la chaleur.

Les dispositifs marqués d'une symbole "d'éclair" sont des parties dangereuses au toucher et que les câblages extérieurs connectés à ces dispositifs de connexion extérieure doivent être effectués par un opérateur formé ou en utilisant des cordons déjà préparés.

Cordon d'Alimentation

Ne pas enlever le dispositif de sécurité sur la prise polarisée ou la prise avec tige de mise à la masse du cordon d'alimentation. Une prise polarisée dispose de deux lames dont une plus large que l'autre. Une prise avec tige de mise à la masse dispose de deux lames en plus d'une troisième tige qui connecte à la masse. La lame plus large ou la tige de mise à la masse est prévu pour votre sécurité. La prise murale est désuète si elle n'est pas conçue pour accepter ce type de prise avec dispositif de sécurité. Dans ce cas, contactez un électricien pour faire remplacer la prise murale. Évitez d'endommager le cordon d'alimentation. Protégez le cordon d'alimentation. Assurez-vous qu'on ne marche pas dessus et qu'on ne le pince pas en particulier aux prises. **N'UTILISEZ PAS L'APPAREIL** si le cordon d'alimentation est endommagé. Pour débrancher complètement cet appareil de l'alimentation CA principale, déconnectez le cordon d'alimentation de la prise d'alimentation murale. Le cordon d'alimentation du bloc d'alimentation de l'appareil doit demeurer pleinement fonctionnel.

Débranchez cet appareil durant les orages ou si inutilisé pendant de longues périodes.

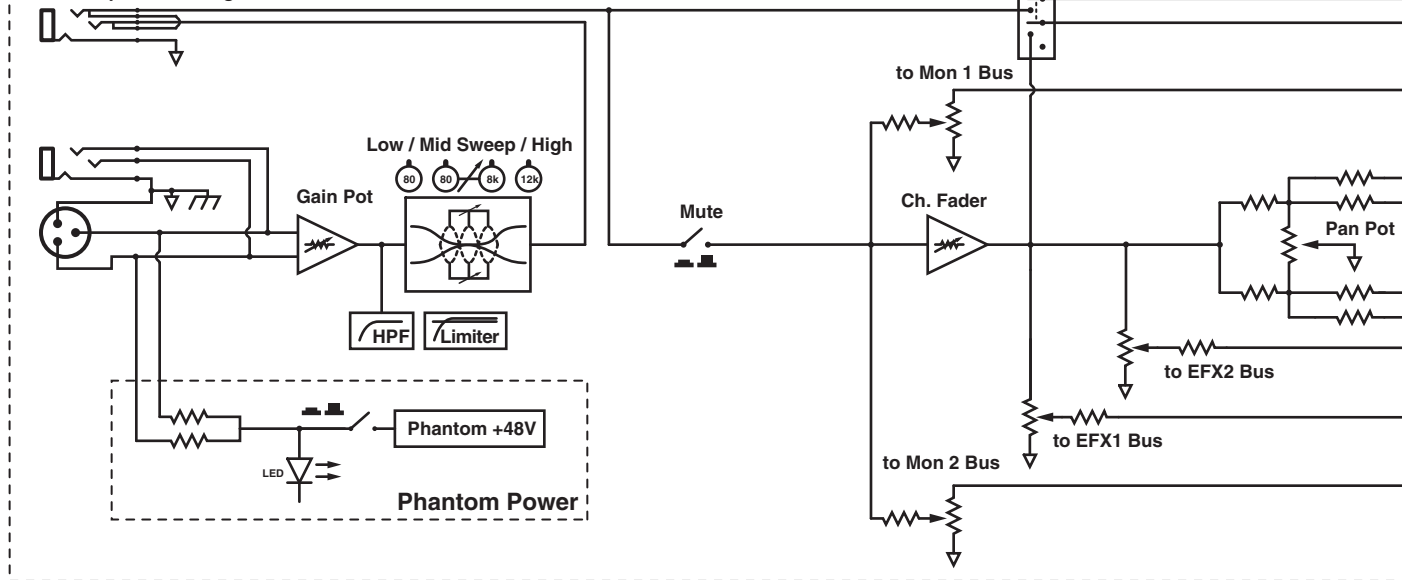
Service

Consultez un technicien qualifié pour l'entretien de votre appareil. L'entretien est nécessaire quand l'appareil a été endommagé de quelque façon que se soit. Par exemple si le cordon d'alimentation ou la prise du cordon sont endommagés, si il y a eu du liquide qui a été renversé à l'intérieur ou des objets sont tombés dans l'appareil, si l'appareil a été exposé à la pluie ou à l'humidité, si il ne fonctionne pas normalement, ou a été échappé.

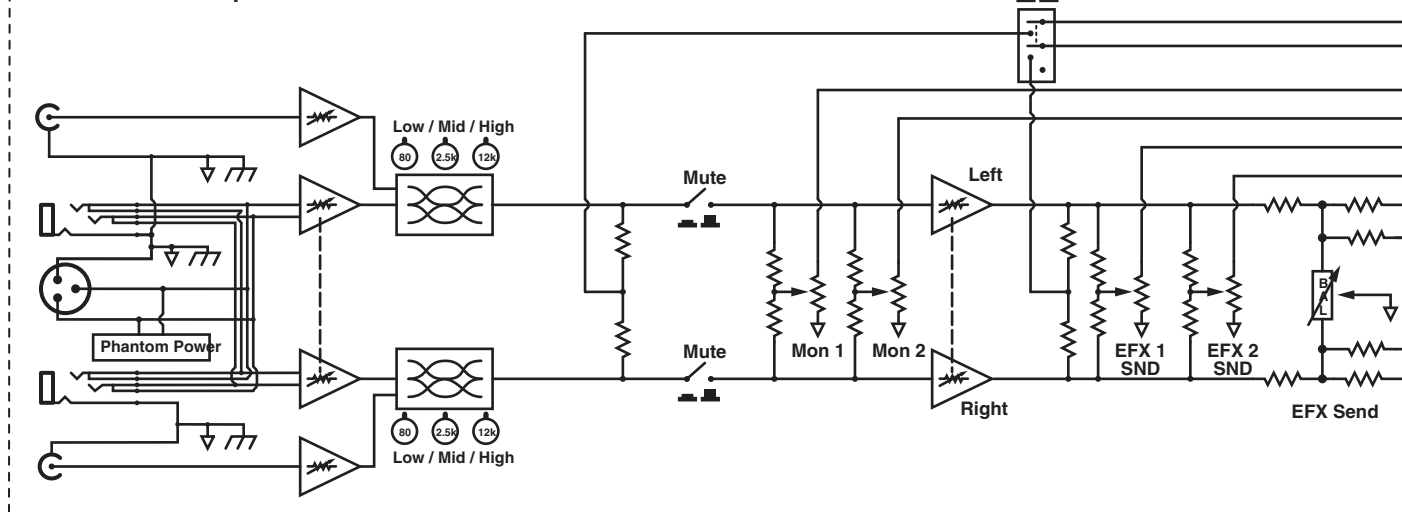
MODEL TYPE: YS1080
Block Diagram for MC12D
 DESIGNED & MANUFACTURED BY YORKVILLE SOUND

Mono Channel Input Details
 (Hi-Z on Ch. 7-8)

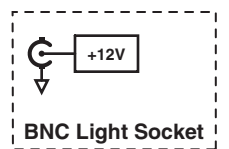
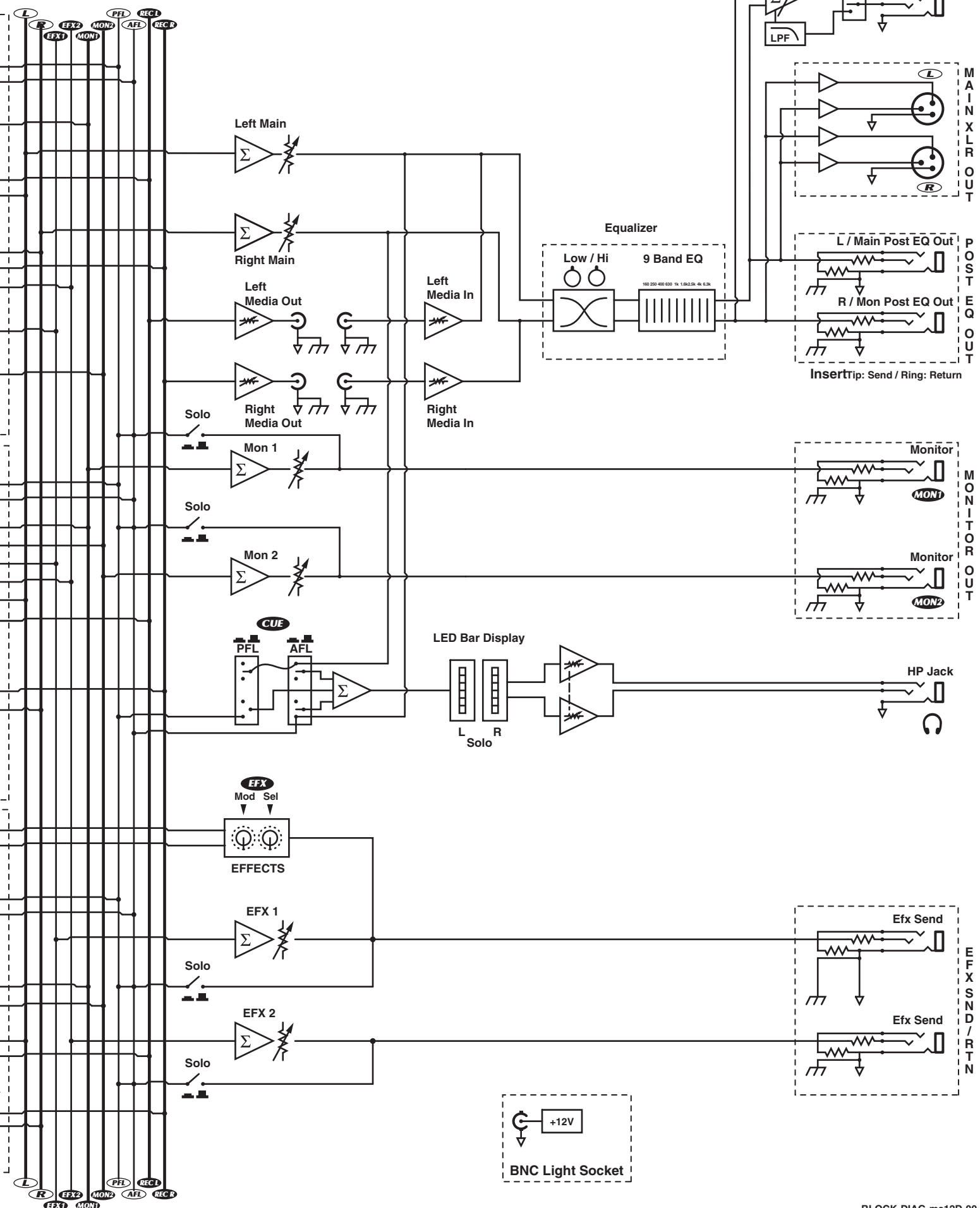
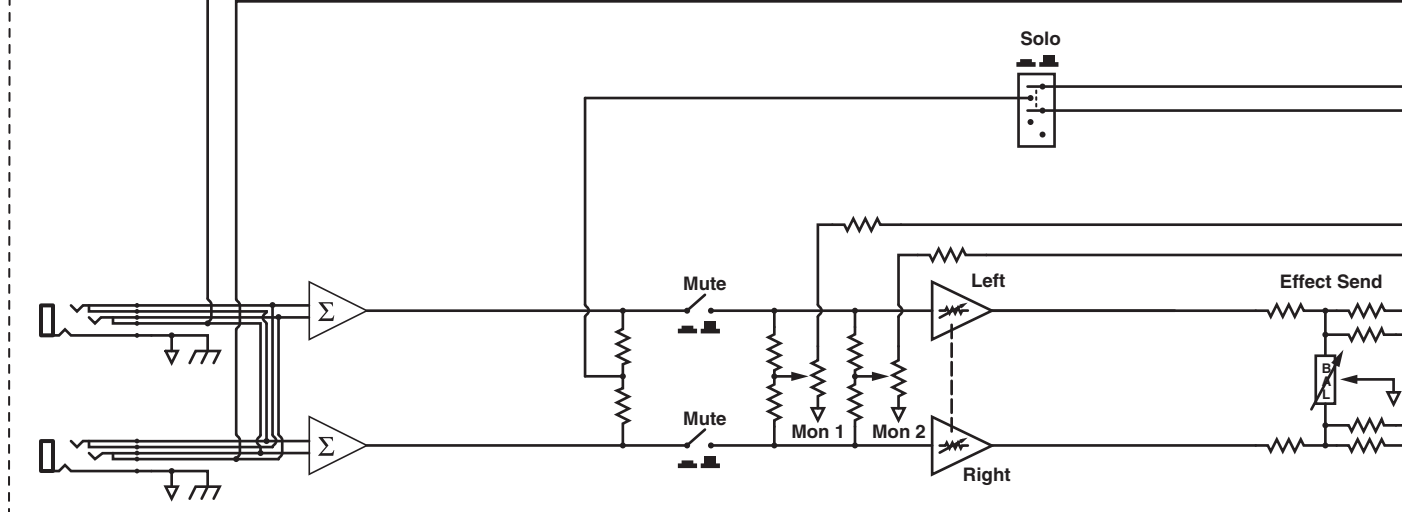
Insert Tip: Send / Ring: Return



Stereo Channel Input Details

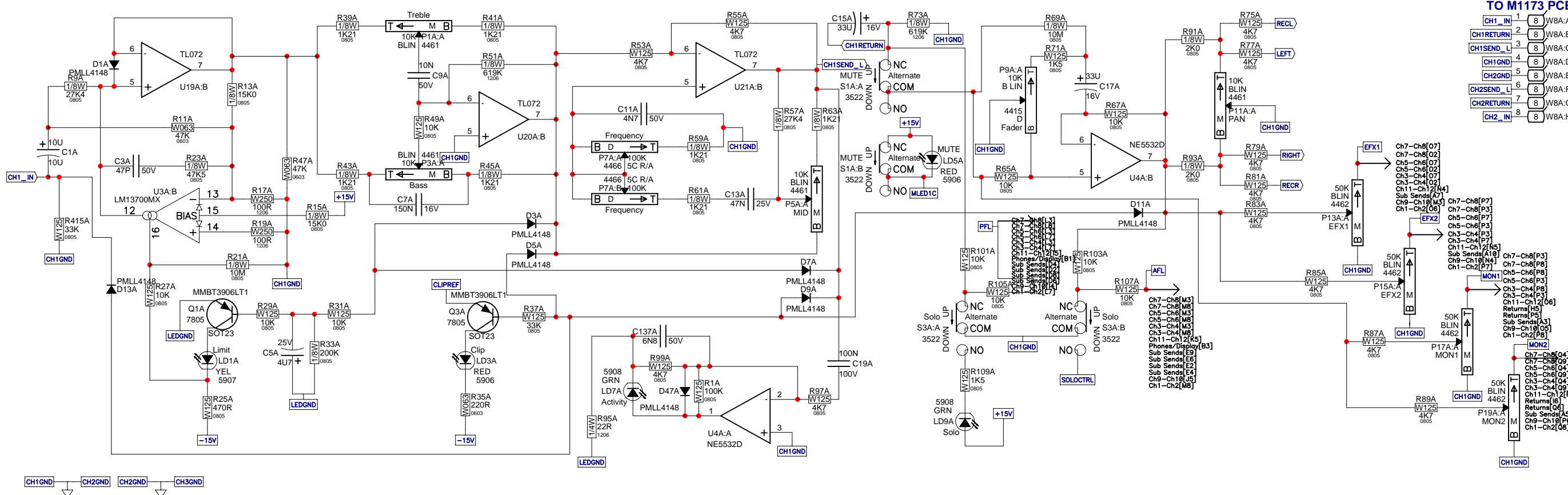


Effects Return



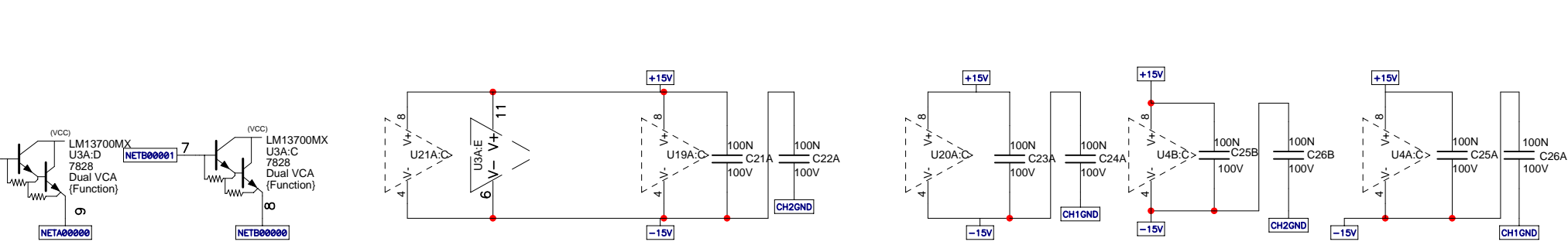
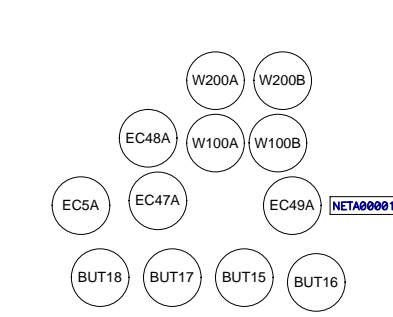
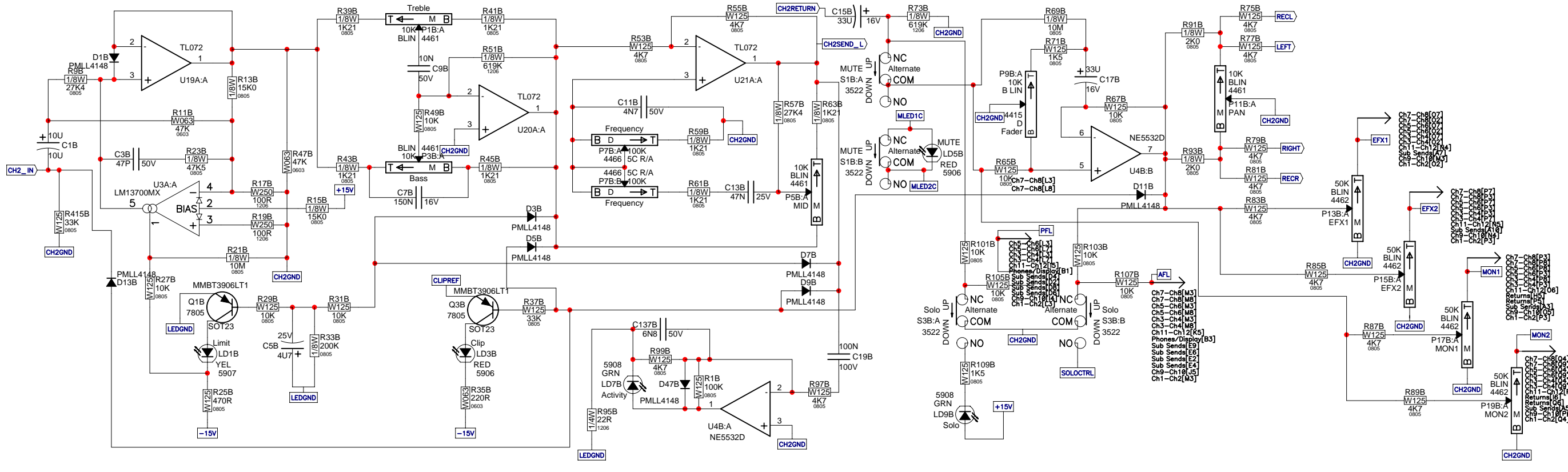
W1A:A 1
W1A:B 2
W1A:C 3
W1A:D 4
W1A:E 5
W1A:F 6
W1A:G 7
W1A:H 8

W2A:A 1
W2A:B 2
W2A:C 3
W2A:D 4
W2A:E 5
W2A:F 6
W2A:G 7
W2A:H 8



W1B:A 1
W1B:B 2
W1B:C 3
W1B:D 4
W1B:E 5
W1B:F 6
W1B:G 7
W1B:H 8

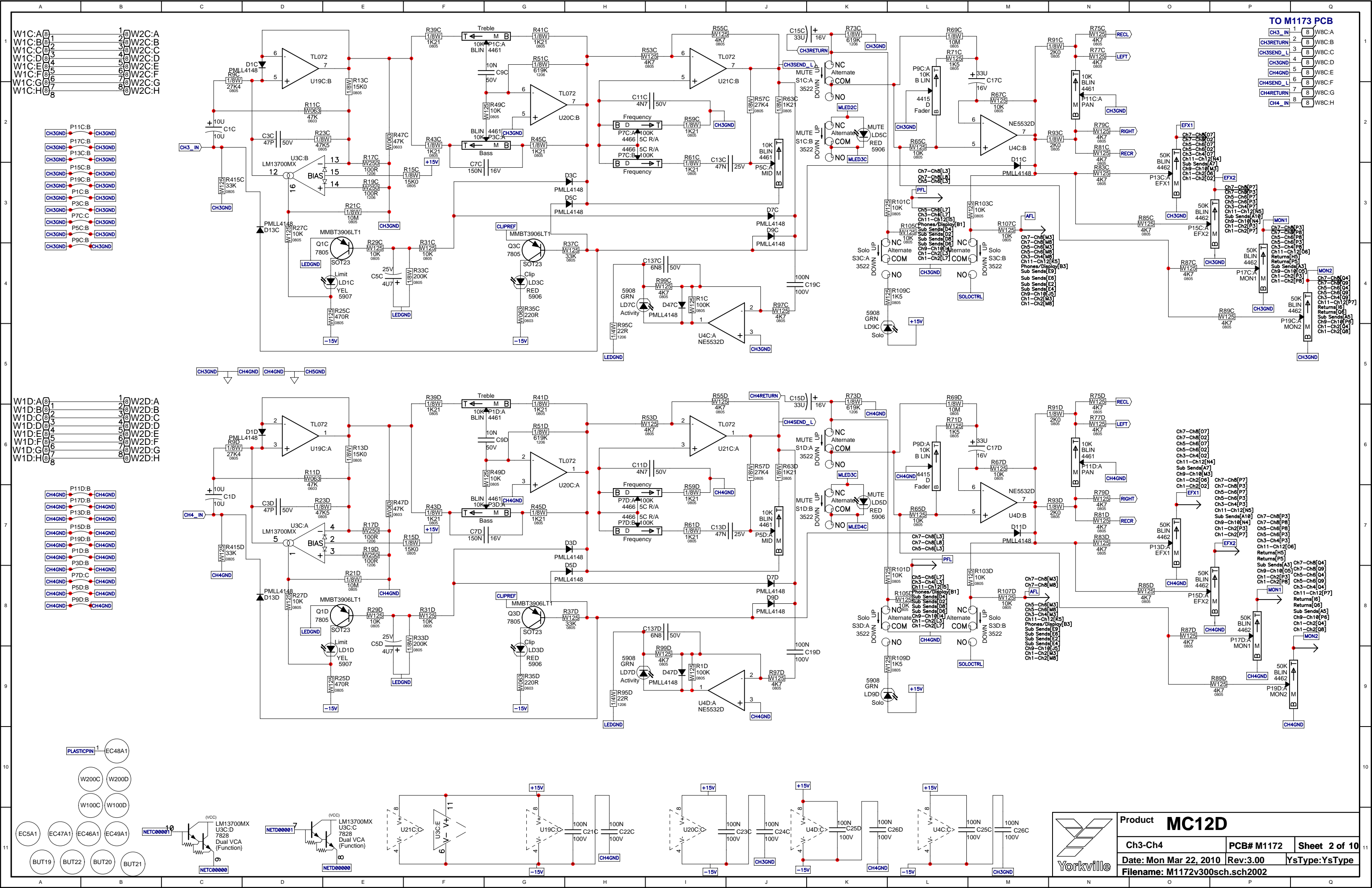
W2B:A 1
W2B:B 2
W2B:C 3
W2B:D 4
W2B:E 5
W2B:F 6
W2B:G 7
W2B:H 8



Yorkville

Product MC12D

Ch1-Ch2	PCB# M1172	Sheet 1 of 10
Date: Mon Mar 22, 2010	Rev:3.00	YsType:YsType
Filename: M1172v300sch.sch2002		



W1C:A 1
W1C:B 2
W1C:C 3
W1C:D 4
W1C:E 5
W1C:F 6
W1C:G 7
W1C:H 8

W2C:A 1
W2C:B 2
W2C:C 3
W2C:D 4
W2C:E 5
W2C:F 6
W2C:G 7
W2C:H 8

CH3GND
P11C:B
P17C:B
P13C:B
P15C:B
P19C:B
P1C:B
P3C:B
P7C:C
P5C:B
P9C:B

W1D:A 1
W1D:B 2
W1D:C 3
W1D:D 4
W1D:E 5
W1D:F 6
W1D:G 7
W1D:H 8

W2D:A 1
W2D:B 2
W2D:C 3
W2D:D 4
W2D:E 5
W2D:F 6
W2D:G 7
W2D:H 8

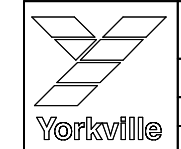
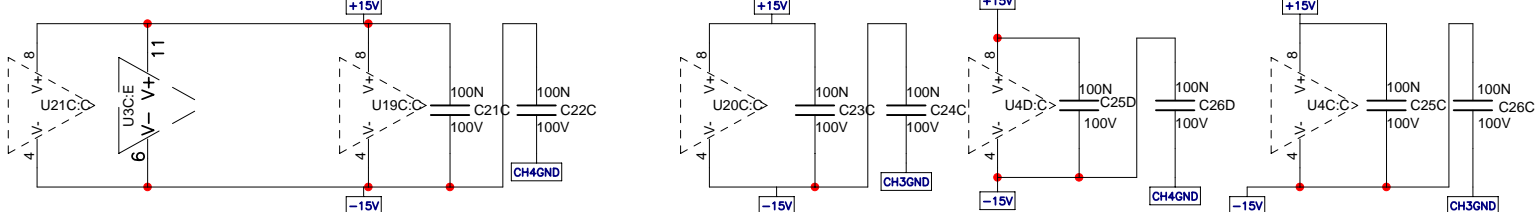
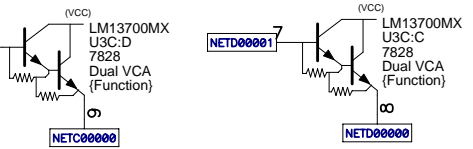
CH4GND
P11D:B
P17D:B
P13D:B
P15D:B
P19D:B
P1D:B
P3D:B
P7D:C
P5D:B
P9D:B

PLASTICPIN 1 EC48A1

W200C W200D
W100C W100D

EC5A1 EC47A1 EC46A1 EC49A1

BUT19 BUT22 BUT20 BUT21

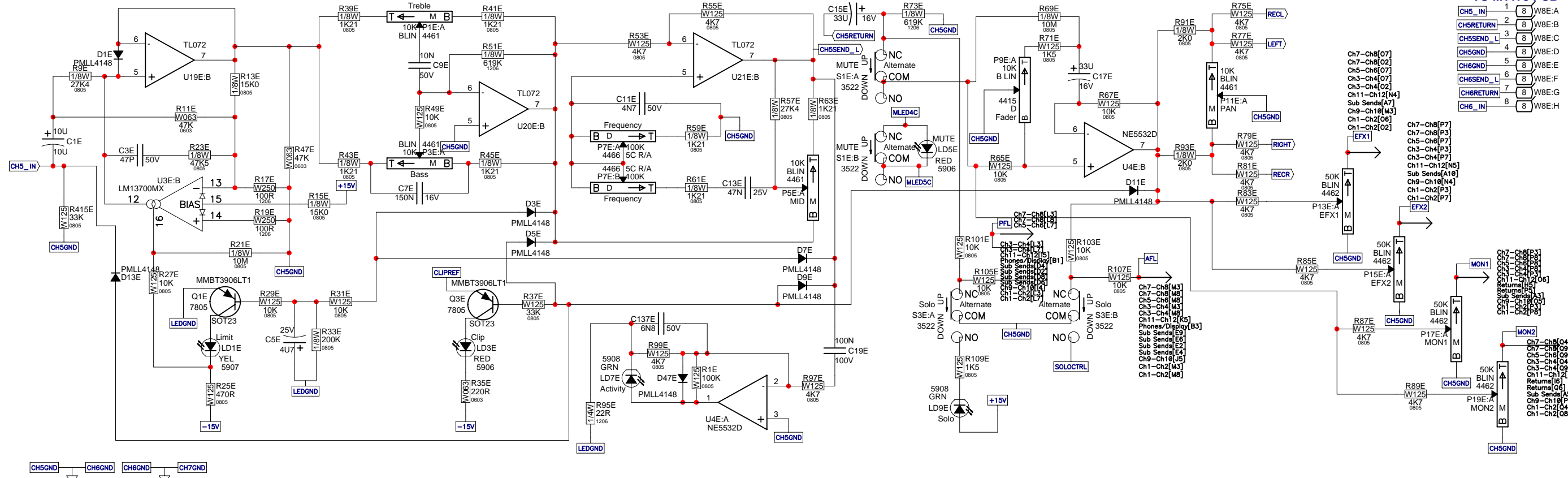


W1E:A:1
W1E:B:2
W1E:C:3
W1E:D:4
W1E:E:5
W1E:F:6
W1E:G:7
W1E:H:8

W2E:A:1
W2E:B:2
W2E:C:3
W2E:D:4
W2E:E:5
W2E:F:6
W2E:G:7
W2E:H:8

P11E:B
P17E:B
P13E:B
P15E:B
P19E:B
P1E:B
P3E:B
P7E:C
P5E:B
P9E:B

CH5GND
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CH5GND
CH5GND
CH5GND
CH5GND
CH5GND
CH5GND

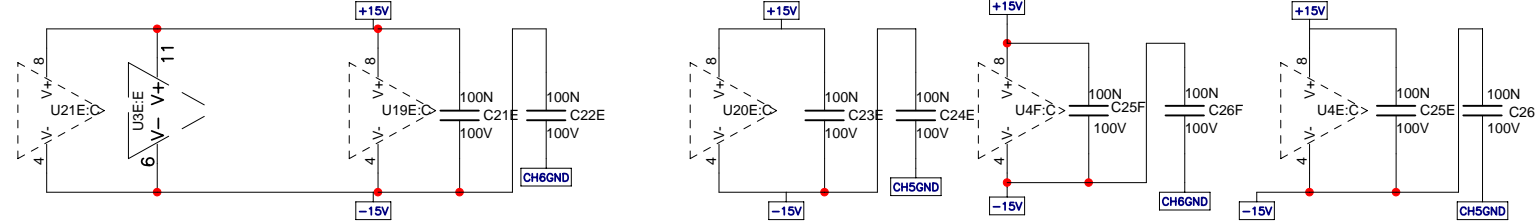
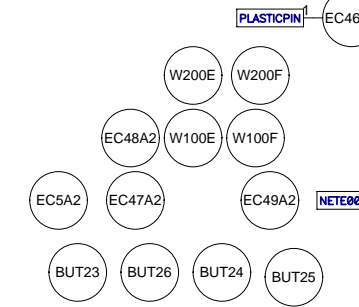
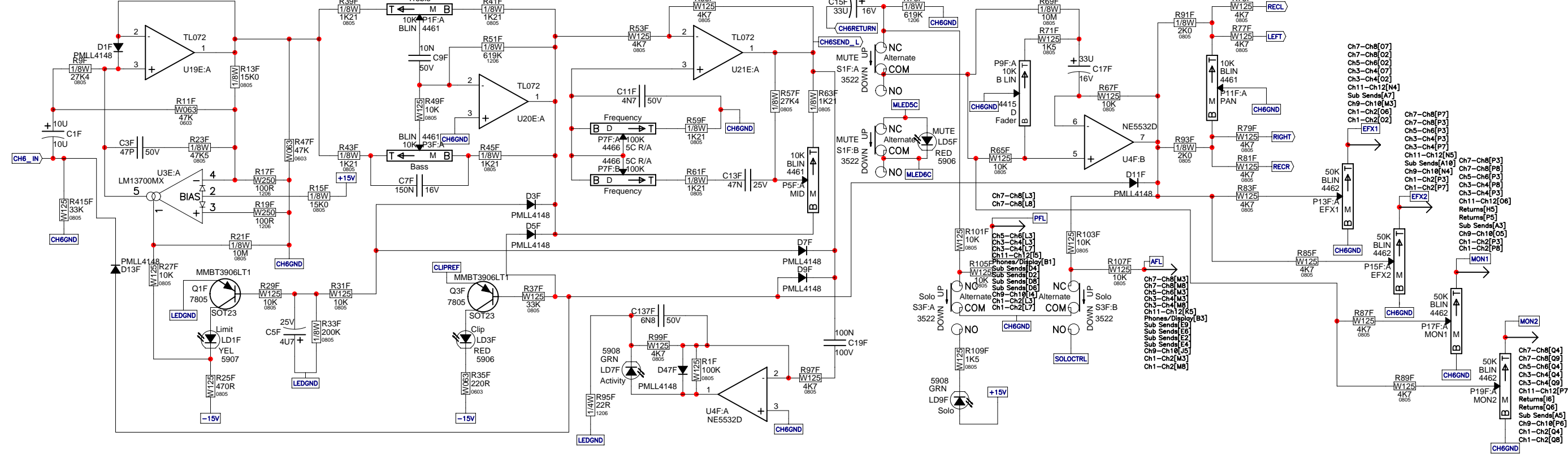


W1F:A:1
W1F:B:2
W1F:C:3
W1F:D:4
W1F:E:5
W1F:F:6
W1F:G:7
W1F:H:8

W2F:A:1
W2F:B:2
W2F:C:3
W2F:D:4
W2F:E:5
W2F:F:6
W2F:G:7
W2F:H:8

P11F:B
P17F:B
P13F:B
P15F:B
P19F:B
P1F:B
P3F:B
P7F:C
P5F:B
P9F:B

CH6GND
CH6GND
CH6GND
CH6GND
CH6GND
CH6GND
CH6GND
CH6GND
CH6GND
CH6GND



TO M1173 PCB

CH5_IN 1
CH5_RETURN 2
CH5SEND_L 3
CH5GND 4
CH6GND 5
CH6SEND_L 6
CH6_RETURN 7
CH6_IN 8

W8E:A:1
W8E:B:2
W8E:C:3
W8E:D:4
W8E:E:5
W8E:F:6
W8E:G:7
W8E:H:8

Ch7-Ch8[07]
Ch7-Ch8[02]
Ch5-Ch6[07]
Ch3-Ch4[07]
Ch3-Ch4[02]
Ch1-Ch2[N4]
Sub Sends[A7]
Ch9-Ch10[M3]
Ch1-Ch2[06]
Ch1-Ch2[02]
EFX1

Ch7-Ch8[P7]
Ch7-Ch8[P3]
Ch5-Ch6[P7]
Ch3-Ch4[P3]
Ch3-Ch4[P7]
Ch1-Ch2[N5]
Sub Sends[A10]
Ch9-Ch10[N4]
Ch1-Ch2[P3]
Ch1-Ch2[P7]

Ch7-Ch8[P3]
Ch7-Ch8[P8]
Ch5-Ch6[P3]
Ch3-Ch4[P3]
Ch3-Ch4[P7]
Ch1-Ch2[06]
Returns[H5]
Returns[P5]
Sub Sends[A3]
Returns[A5]
Returns[06]
Sub Sends[A5]
Ch9-Ch10[P6]
Ch1-Ch2[04]
Ch1-Ch2[08]

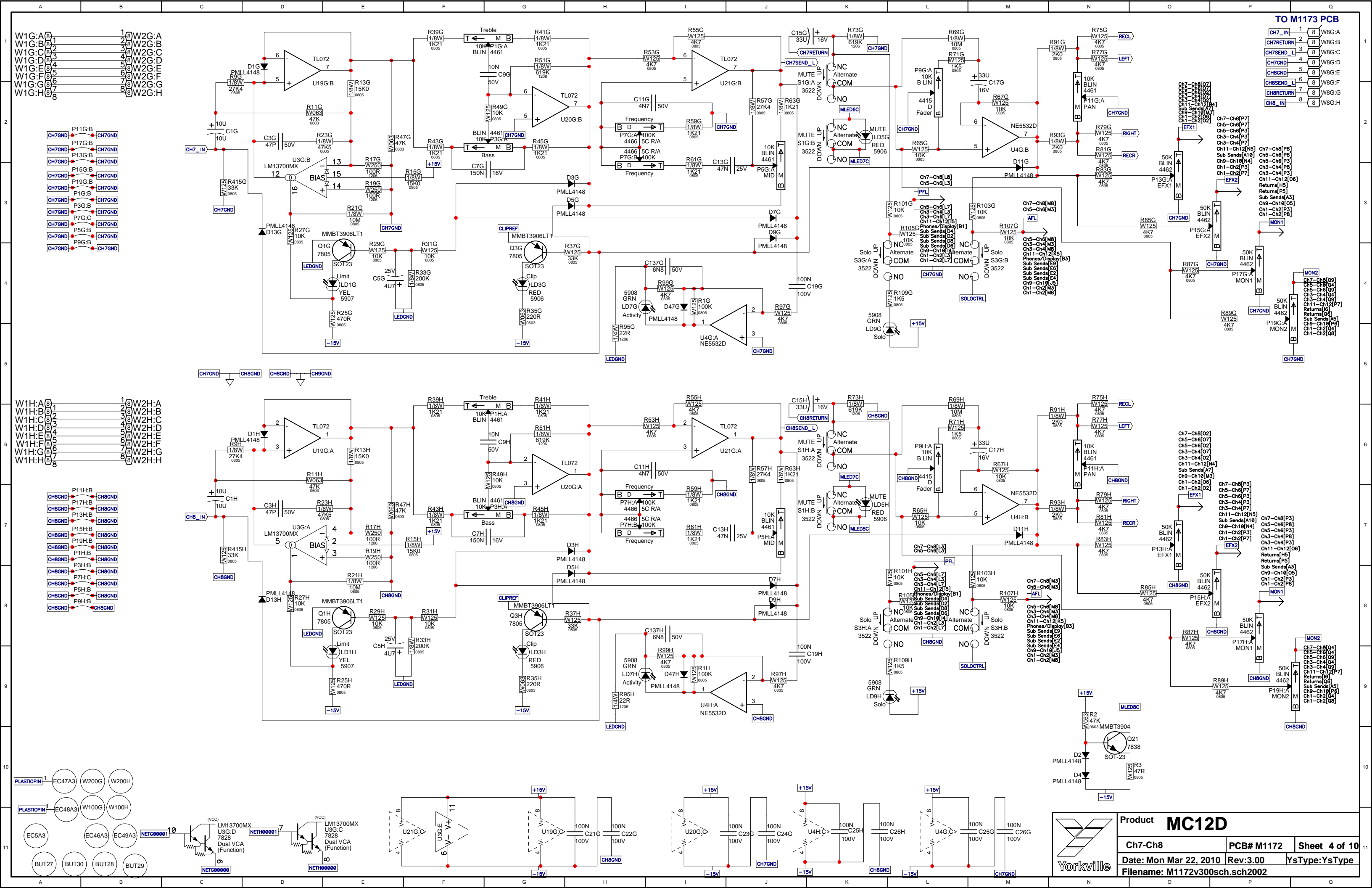
Ch7-Ch8[L3]
Ch7-Ch8[L8]
PFL
Ch5-Ch6[L3]
Ch3-Ch4[L3]
Ch3-Ch4[L7]
Ch1-Ch2[L5]
Sub Sends[D4]
Sub Sends[D2]
Sub Sends[D6]
Ch9-Ch10[L4]
Ch1-Ch2[L7]

Ch7-Ch8[M3]
Ch7-Ch8[M8]
Ch5-Ch6[M3]
Ch3-Ch4[M3]
Ch3-Ch4[M7]
Ch1-Ch2[K5]
Phones/Display[B3]
Sub Sends[E9]
Sub Sends[E1]
Sub Sends[E2]
Sub Sends[E4]
Ch9-Ch10[L5]
Ch1-Ch2[M3]
Ch1-Ch2[M8]

Ch7-Ch8[07]
Ch7-Ch8[02]
Ch5-Ch6[07]
Ch3-Ch4[07]
Ch3-Ch4[02]
Ch1-Ch2[N4]
Sub Sends[A7]
Ch9-Ch10[M3]
Ch1-Ch2[06]
Ch1-Ch2[02]
EFX1

Ch7-Ch8[P7]
Ch7-Ch8[P3]
Ch5-Ch6[P7]
Ch3-Ch4[P3]
Ch3-Ch4[P7]
Ch1-Ch2[N5]
Sub Sends[A10]
Ch9-Ch10[N4]
Ch1-Ch2[P3]
Ch1-Ch2[P7]

Ch7-Ch8[P3]
Ch7-Ch8[P8]
Ch5-Ch6[P3]
Ch3-Ch4[P3]
Ch3-Ch4[P7]
Ch1-Ch2[06]
Returns[H5]
Returns[P5]
Sub Sends[A3]
Returns[A5]
Returns[06]
Sub Sends[A5]
Ch9-Ch10[P6]
Ch1-Ch2[04]
Ch1-Ch2[08]



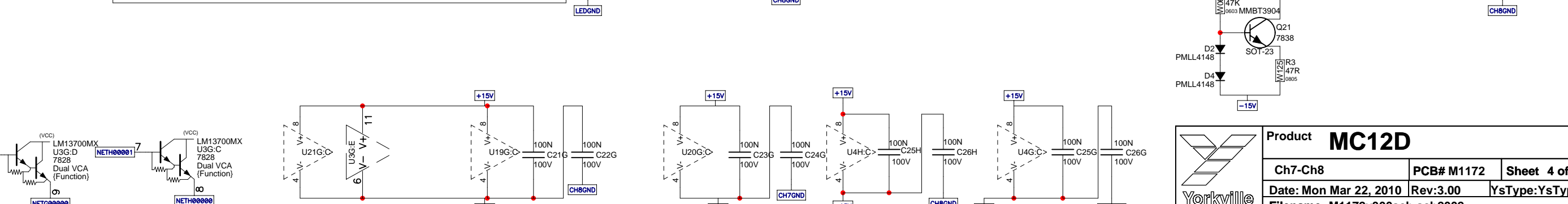
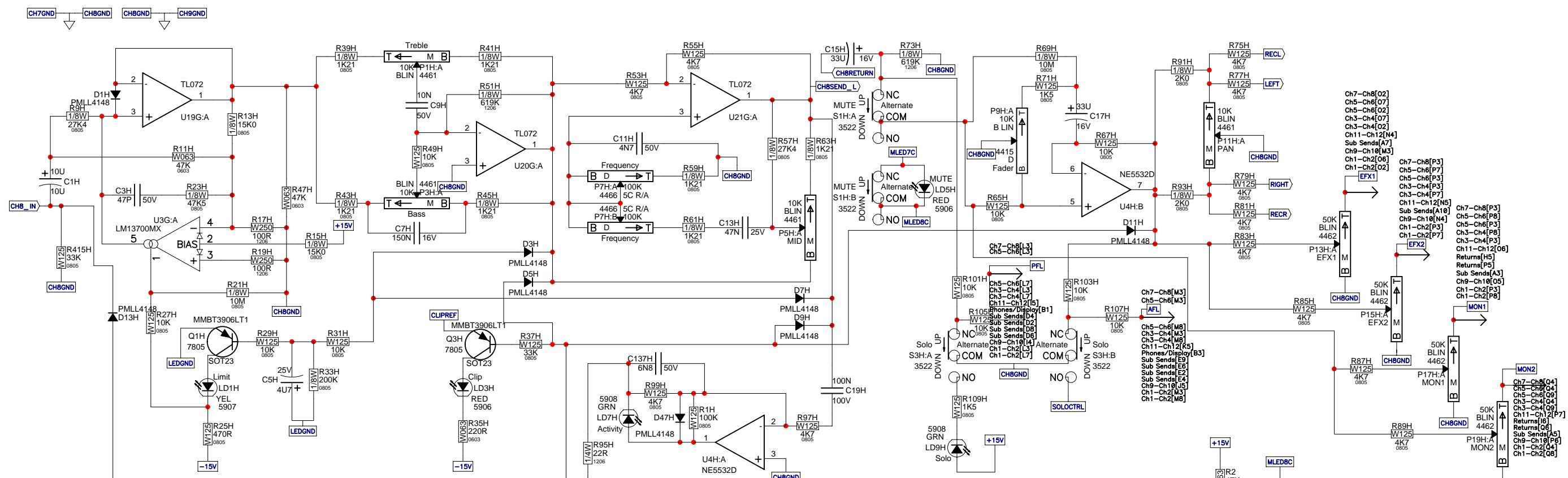
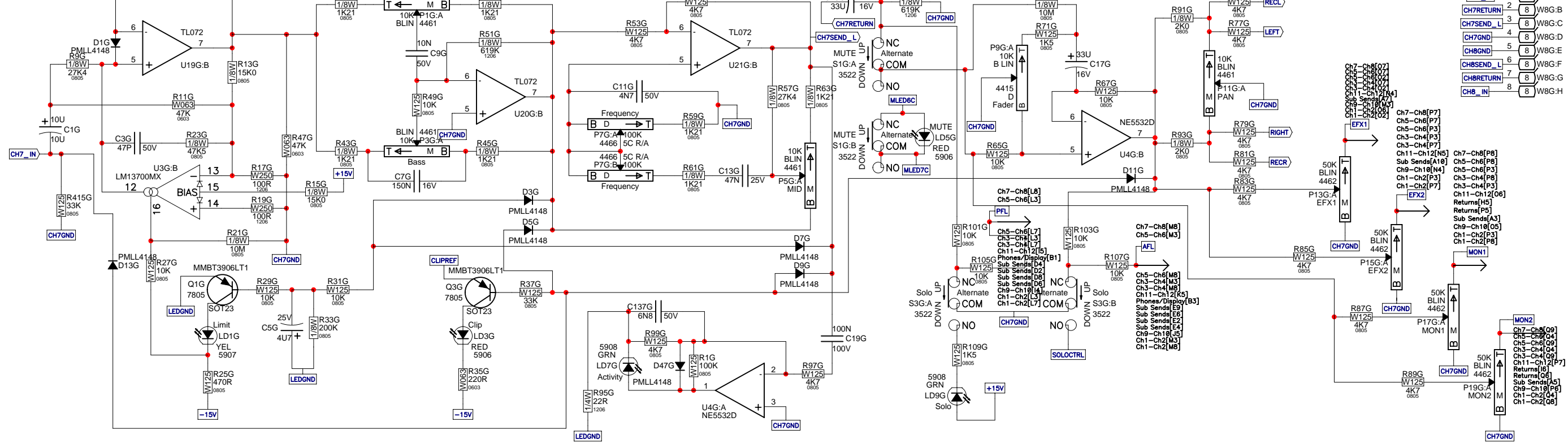
W1G:A(8) 1 W2G:A
 W1G:B(8) 2 W2G:B
 W1G:C(8) 3 W2G:C
 W1G:D(8) 4 W2G:D
 W1G:E(8) 5 W2G:E
 W1G:F(8) 6 W2G:F
 W1G:G(8) 7 W2G:G
 W1G:H(8) 8 W2G:H

CH7GND P11G:B CH7GND
 CH7GND P17G:B CH7GND
 CH7GND P13G:B CH7GND
 CH7GND P15G:B CH7GND
 CH7GND P19G:B CH7GND
 CH7GND P1G:B CH7GND
 CH7GND P3G:B CH7GND
 CH7GND P7G:C CH7GND
 CH7GND P5G:B CH7GND
 CH7GND P9G:B CH7GND

W1H:A(8) 1 W2H:A
 W1H:B(8) 2 W2H:B
 W1H:C(8) 3 W2H:C
 W1H:D(8) 4 W2H:D
 W1H:E(8) 5 W2H:E
 W1H:F(8) 6 W2H:F
 W1H:G(8) 7 W2H:G
 W1H:H(8) 8 W2H:H

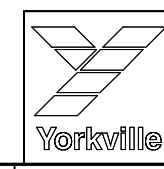
CH8GND P11H:B CH8GND
 CH8GND P17H:B CH8GND
 CH8GND P13H:B CH8GND
 CH8GND P15H:B CH8GND
 CH8GND P19H:B CH8GND
 CH8GND P1H:B CH8GND
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 CH8GND P5H:B CH8GND
 CH8GND P9H:B CH8GND

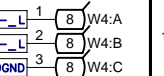
PLASTICPIN1 EC47A3 W200G W200H
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 EC5A3 EC46A3 EC49A3 NETG000001
 BUT27 BUT30 BUT28 BUT29



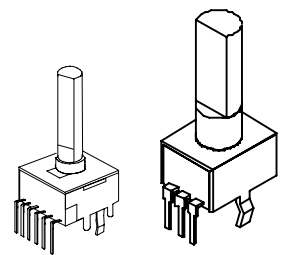
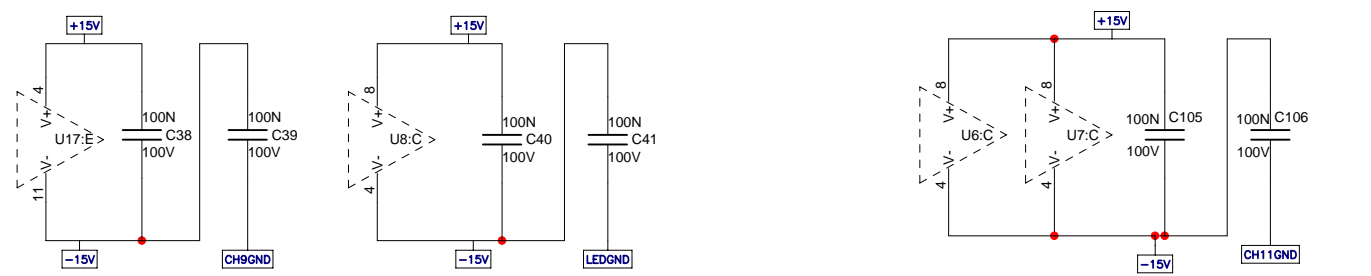
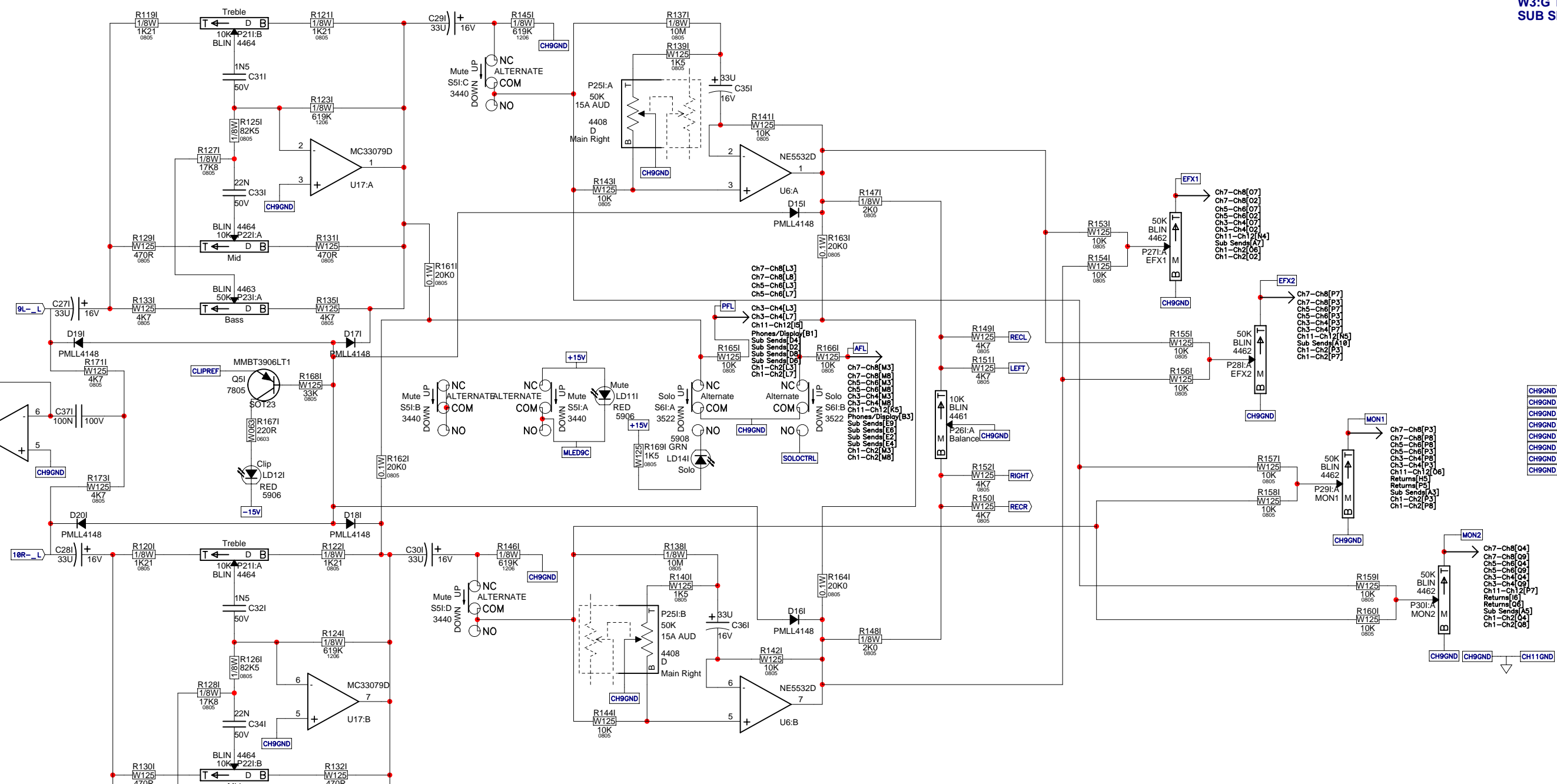
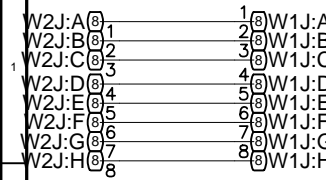
TO M1173 PCB
 CH7_IN 1 W8G:A
 CH7RETURN 2 W8G:B
 CH7SEND_L 3 W8G:C
 CH7GND 4 W8G:D
 CH8GND 5 W8G:E
 CH8SEND_L 6 W8G:F
 CH8RETURN 7 W8G:G
 CH8_IN 8 W8G:H

Product MC12D		
Ch7-Ch8	PCB# M1172	Sheet 4 of 10
Date: Mon Mar 22, 2010	Rev:3.00	YsType:YsType
Filename: M1172v300sch.sch2002		

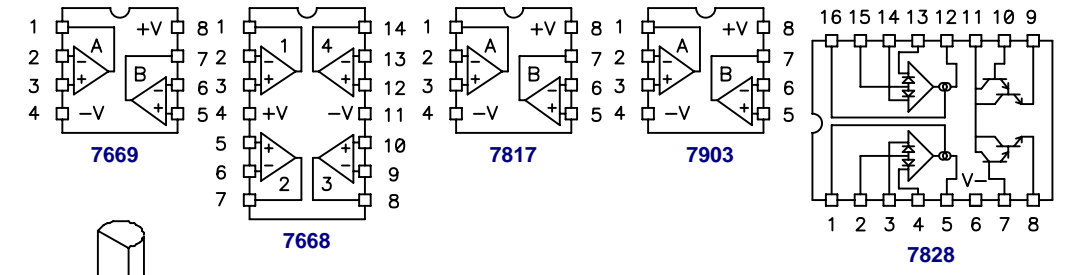




W3:D TO W3:F ON CH11-12
W3:G TO W3:H ON SUB SENDS



"STYLE_P34" "STYLE_P32"

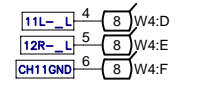


Yorkville

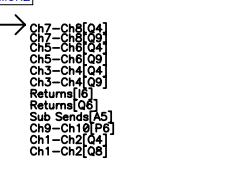
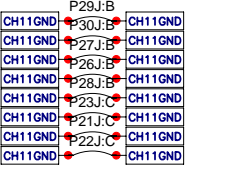
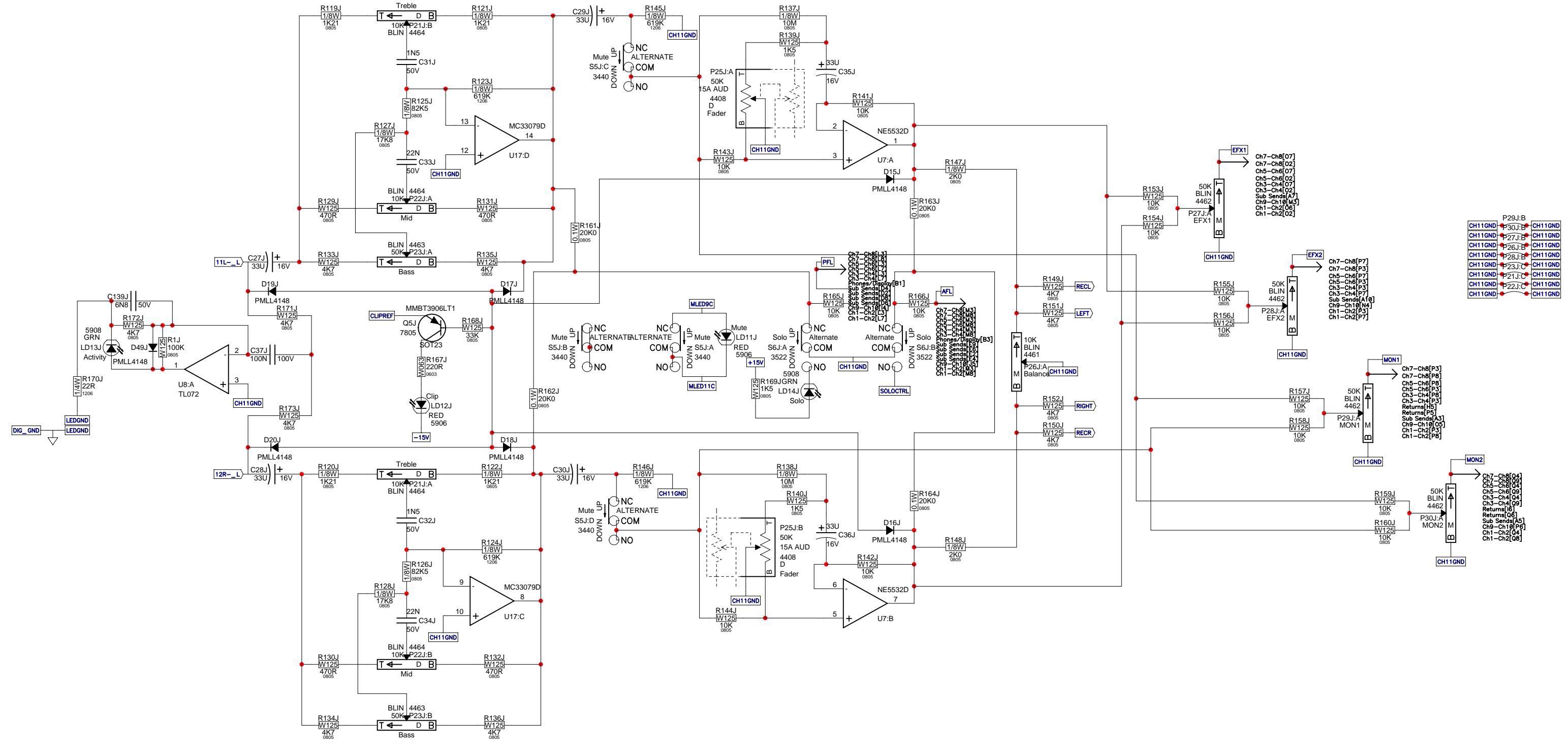
Product MC12D

Ch9-Ch10	PCB# M1172	Sheet 5 of 10
Date: Mon Mar 22, 2010	Rev:3.00	YsType:YsType
Filename: M1172v300sch.sch2002		

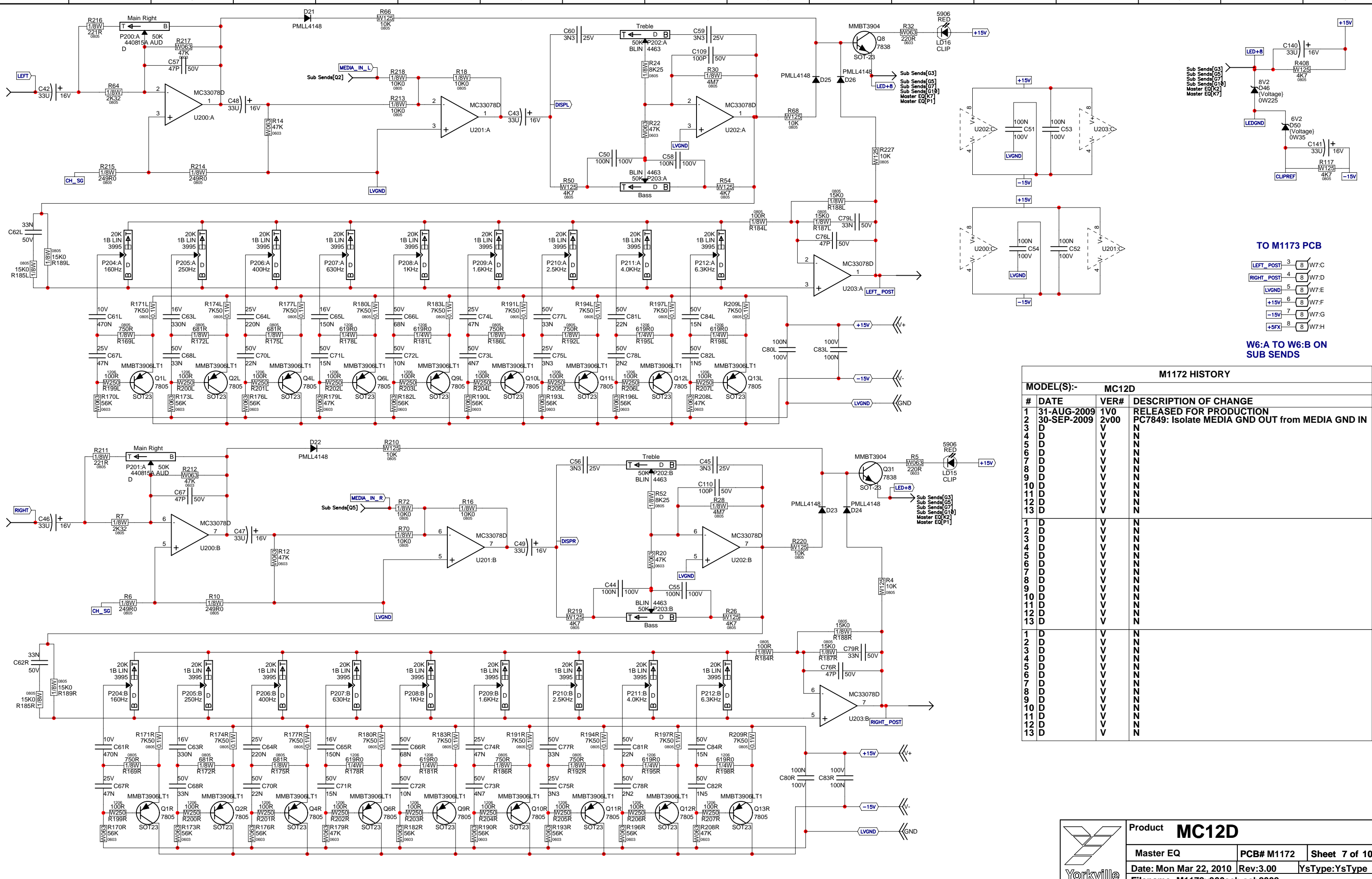
TO M1173 PCB



W3:A TO W3:C ON CH9-10
W3:G TO W3:H ON SUB SENDS



Product MC12D		
Ch11-Ch12	PCB# M1172	Sheet 6 of 10
Date: Mon Mar 22, 2010	Rev:3.00	YsType:YsType
Filename: M1172v300sch.sch2002		

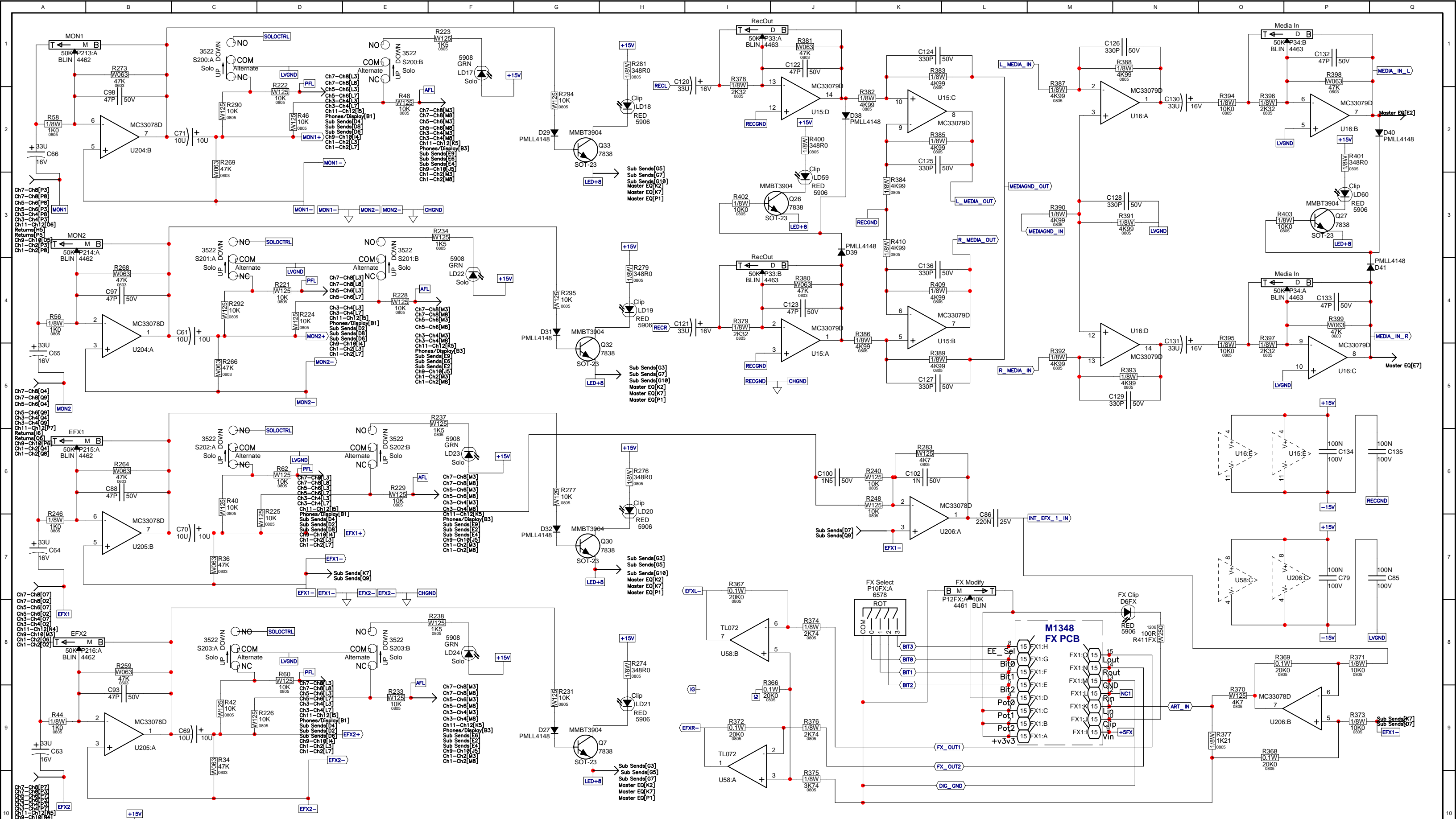


TO M1173 PCB

LEFT_POST 3 8 W7:C
 RIGHT_POST 4 8 W7:D
 LVGND 5 8 W7:E
 +15V 6 8 W7:F
 -15V 7 8 W7:G
 +5FX 8 8 W7:H

W6:A TO W6:B ON SUB SENDS

M1172 HISTORY			
MODEL(S):-		MC12D	
#	DATE	VER#	DESCRIPTION OF CHANGE
1	31-AUG-2009	1V0	RELEASED FOR PRODUCTION
2	30-SEP-2009	2v00	PC7849: Isolate MEDIA GND OUT from MEDIA GND IN
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			



TO M1173 PCB

W3:A TO W3:C ON CH9-10
W3:D TO W3:F ON CH11-12

W4:C TO W4:H ON RETURNS

W6:C TO W6:H ON W6:A TO W6:E, W6:H ON PHONES/DISPLAY

W6:C TO W6:H ON W6:A TO W6:E, W6:H ON PHONES/DISPLAY

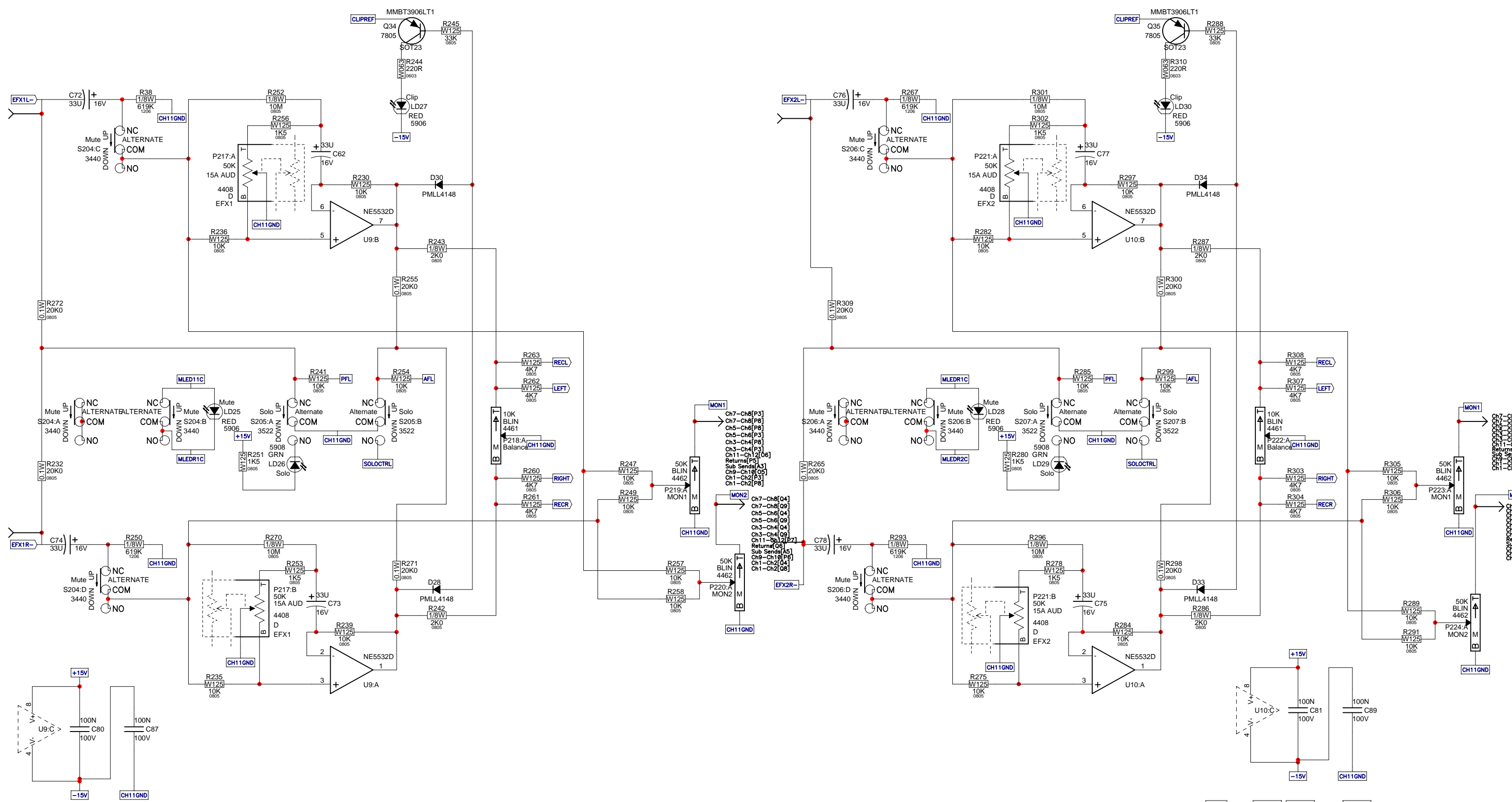


Product MC12D

Sub Sends PCB# M1172 Sheet 8 of 10

Date: Mon Mar 22, 2010 Rev:3.00 YsType:YsType

Filename: M1172v300sch.sch2002



M1172 POT LIST

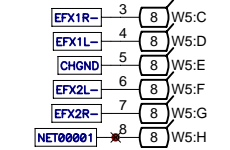
MODEL(S):-	MC12D	REF	FUNCTION	PART#	KNOB	{NEW}
P1A-P1H	TREBLE (MONO)	4461	K	N		
P5A-P5H	MID (MONO)	4461	K	N		
P11A-P11H	PAN (MONO)	4461	K	N		
P26I,P26J,P26K,P26L	BASS (MONO)	4461	K	N		
P12FX	FX MODIFY	4461	K	N		
P3A-P3H	BASS (MONO)	4461	K	N		
P7A-P7H	FREQUENCY (MONO)	4466	K	N		
P17A-P17J	MON1	4462	K	N		
P19A-P19J	MON2	4462	K	N		
P13A-P13J	EFX1	4462	K	N		
P15A-P15J	EFX2	4462	K	N		
P219, P223	MON1 (RETURNS)	4462	K	N		

M1172 POT LIST CONT'D

MODEL(S):-	{MODEL}	REF	FUNCTION	PART#	KNOB	{NEW}
P220, P224	MON2 (RETURNS)	4462	K	N		
P213, P214	MON1&2 (SENDS)	4462	K	N		
P215, P216	EFX1,2 (SENDS)	4462	K	N		
P2	ZONE/SUB	4462	K	N		
P14	PHONES	4464	K	N		
P211, P21J	TREBLE (STEREO)	4464	K	N		
P221, P22J	MID (STEREO)	4464	K	N		
P231, P23J	BASS (STEREO)	4463	K	N		
P34	MEDIA IN	4463	K	N		
P33	REC OUT	4463	K	N		
P202	TREBLE MAIN EQ	4463	K	N		
P203	BASS MAIN EQ	4463	K	N		

P204-P212	GRAPHIC EQ FADERS	4465	K	N		
P9A-P9H	MONO CH FADERS	4415	K	N		
P25I,P25J	STEREO CH FADERS	4408	K	N		
P217,P221	EFX1,EFX2 FADERS	4408	K	N		
P200	MAIN LEFT FADER	4408	K	N		
P201	MAIN RIGHT FADER	4408	K	N		
P10FX	FX SELECT	6578	K	N		
R	F	P	K	N		
R	F	P	K	N		
R	F	P	K	N		
R	F	P	K	N		
R	F	P	K	N		

FROM M1173 PCB

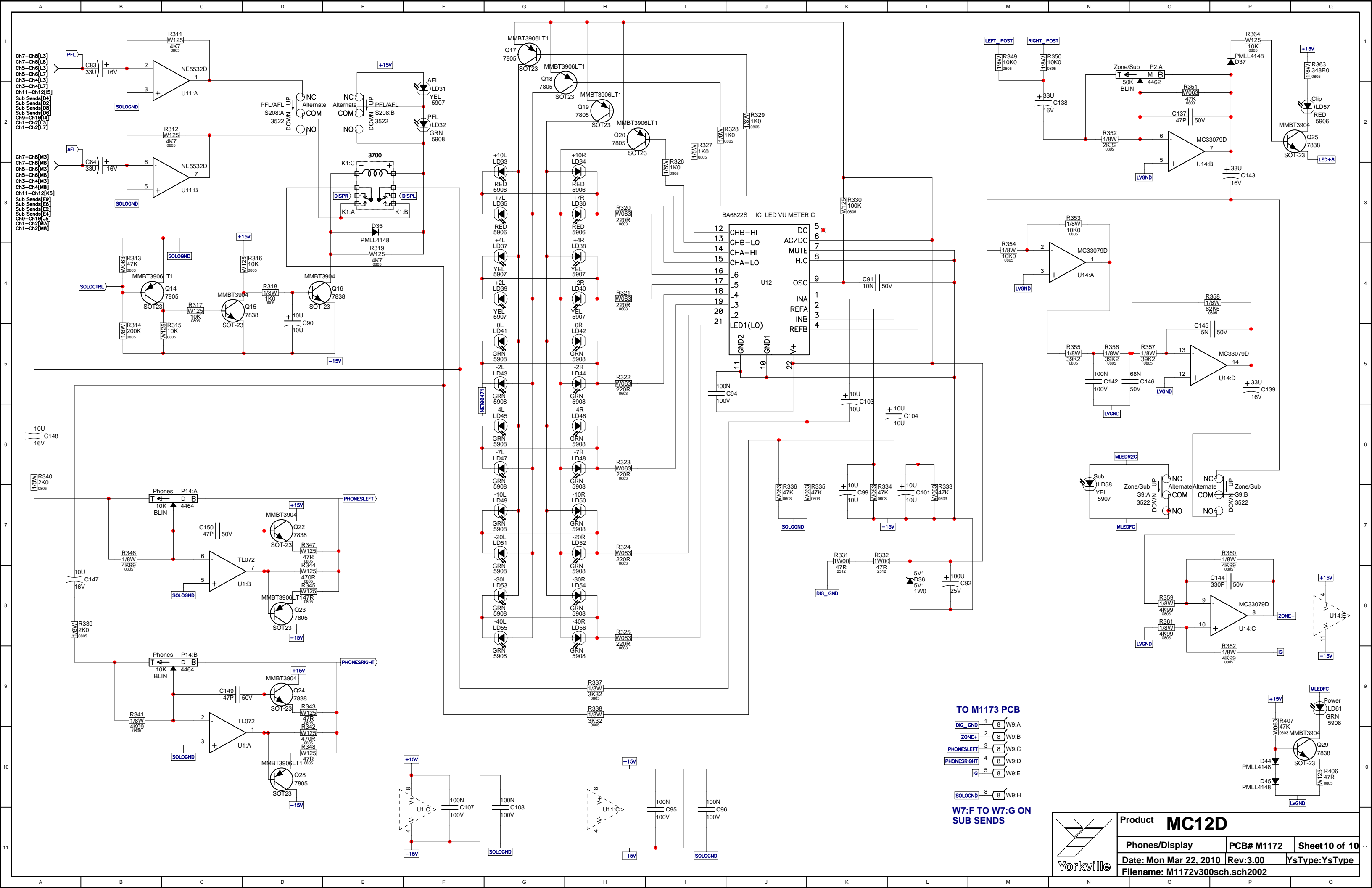


W4:A TO W4:B ON SUB SENDS

Yorkville

Product MC12D

Returns	PCB# M1172	Sheet 9 of 10
Date: Mon Mar 22, 2010	Rev:3.00	YsType:YsType
Filename: M1172v300sch.sch2002		



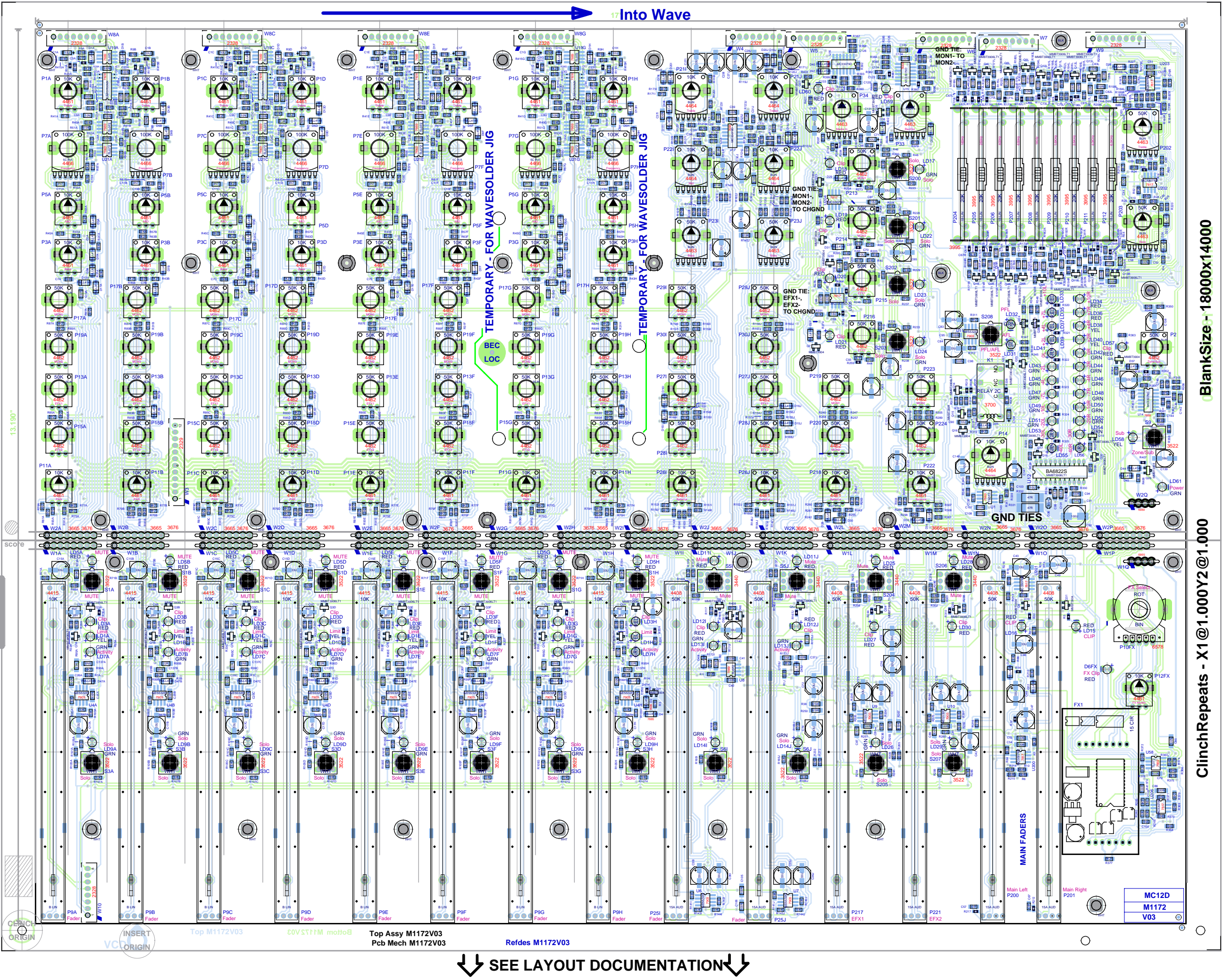
TO M1173 PCB

- DIG_GND 1 (8) W9:A
- ZONE+ 2 (8) W9:B
- PHONESLEFT 3 (8) W9:C
- PHONESRIGHT 4 (8) W9:D
- IG 5 (8) W9:E
- SOLOGND 8 (8) W9:H

W7:F TO W7:G ON SUB SENDS



Product MC12D		
Phones/Display	PCB# M1172	Sheet 10 of 10
Date: Mon Mar 22, 2010	Rev:3.00	YsType:YsType
Filename: M1172v300sch.sch2002		



BlankSize - 18000x14000

ClinchRepeats - X1@1.000Y2@1.000

MC12D
M1172
V03

SEE LAYOUT DOCUMENTATION

Top M1172V03 Revdes M1172V03 Pcb Mech M1172V03

13.190"

SCO 6

ORIGIN

Top M1172V03

REVDES M1172V03

Top Assy M1172V03 Pcb Mech M1172V03

Revdes M1172V03

MAIN FADERS

Main Left P200

Main Right P201

MC12D
M1172
V03

↑ SEE LAYOUT DIAGRAM ↑

M1172 HISTORY			
MODEL(S):-		MC12D	
#	DATE	VER#	DESCRIPTION OF CHANGE
1	31-AUG-2009	1V0	RELEASED FOR PRODUCTION
2	30-SEP-2009	2v00	PC7849: Isolate MEDIA GND OUT from MEDIA GND IN
3	18-MAR-2010	V03	PC7976: Change pads on stereo pots to round GG
4	D	V	N
5	D	V	N
6	D	V	N
7	D	V	N
8	D	V	N
9	D	V	N
10	D	V	N
11	D	V	N
12	D	V	N
13	D	V	N
1	D	V	N
2	D	V	N
3	D	V	N
4	D	V	N
5	D	V	N
6	D	V	N
7	D	V	N
8	D	V	N
9	D	V	N
10	D	V	N
11	D	V	N
12	D	V	N
13	D	V	N
1	D	V	N
2	D	V	N
3	D	V	N
4	D	V	N
5	D	V	N
6	D	V	N
7	D	V	N
8	D	V	N
9	D	V	N
10	D	V	N
11	D	V	N
12	D	V	N
13	D	V	N

M1172 DRILL HISTORY			
MODEL(S):-		MC12D	
#	DATE	VER#	DESCRIPTION OF CHANGE
1	D	V	N
2	D	V	N
3	D	V	N
4	D	V	N
5	D	V	N
6	D	V	N

M1172 PENDING CHANGES			
MODEL(S):-		MC12D	
#	PC#	PENDING CHANGE	
1	PC	X	
2	PC	X	
3	PC	X	
4	PC	X	
5	PC	X	
6	PC	X	

M1172 PRODUCTION NOTES

1. MC12D: DO NOT STUFF W3 #2329 AND W10 #2328 HEADERS

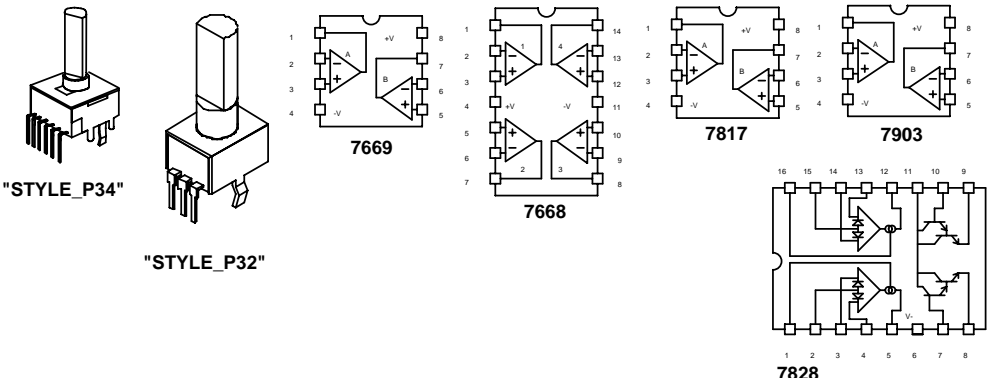
*PLACE IMPLEMENTED CHANGES INTO BOARD HISTORY

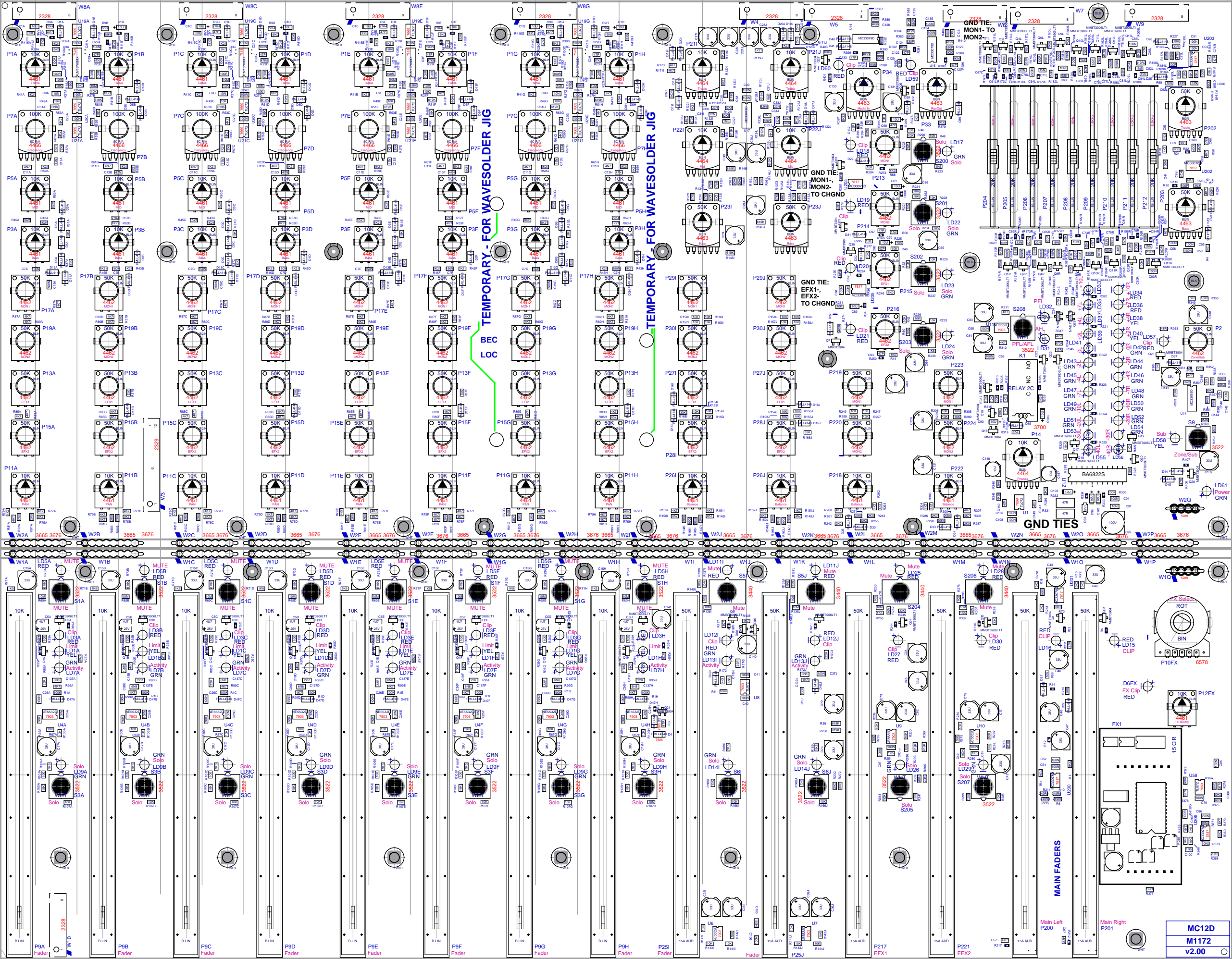
M1172 POT LIST				
MODEL(S):-		MC12D		
REF	FUNCTION	PART#	KNOB	{NEW}
P1A-P1H	TREBLE (MONO)	4461	K	N
P5A-P5H	MID (MONO)	4461	K	N
P11A-P11H	PAN (MONO)	4461	K	N
P26I,P26J,P26K,P26L	PAN (MONO)	4461	K	N
P12FX	PAN (MONO)	4461	K	N
P3A-P3H	PAN (MONO)	4461	K	N
P7A-P7H	PAN (MONO)	4466	K	N
P17A-P17J	PAN (MONO)	4462	K	N
P19A-P19J	PAN (MONO)	4462	K	N
P13A-P13J	PAN (MONO)	4462	K	N
P15A-P15J	PAN (MONO)	4462	K	N
P219, P223	PAN (MONO)	4462	K	N

M1172 POT LIST CONT'D				
MODEL(S):-		MC12D		
REF	FUNCTION	PART#	KNOB	{NEW}
P220, P224	TREBLE (STEREO)	4462	K	N
P213,P214	MID (STEREO)	4462	K	N
P215,P216	BASS (STEREO)	4462	K	N
P2	MEDIA IN	4462	K	N
P14	REC OUT	4464	K	N
P21I,P21J	TREBLE (STEREO)	4464	K	N
P22I, P22J	MID (STEREO)	4464	K	N
P23I, P23J	BASS (STEREO)	4463	K	N
P34	MEDIA IN	4463	K	N
P33	REC OUT	4463	K	N
P202	TREBLE MAIN EQ	4463	K	N
P203	BASS MAIN EQ	4463	K	N

P204-P212	GRAPHIC EQ FADERS	3995	K	N
P9A-P9H	MONO CH FADERS	4415	K	N
P25I,P25J	STEREO CH FADERS	4408	K	N
P217,P221	EFX1, EFX2 FADERS	4408	K	N
P200	MAIN LEFT FADER	4408	K	N
P201	MAIN RIGHT FADER	4408	K	N
P10FX	FX SELECT	6578	K	N
R	F	P	K	N
R	F	P	K	N
R	F	P	K	N
R	F	P	K	N
R	F	P	K	N
R	F	P	K	N

LEAD/PIN REFERENCE





TEMPORARY - FOR WAVESOLDER JIG

TEMPORARY - FOR WAVESOLDER JIG

LOC

BE C

GND TIE:
MON1-
MON2-
TO CHGND

GND TIE:
EFX1-
EFX2-
TO CHGND

GND TIES

MAIN FADERS

MC12D
M1172
v2.00

Main Left P200

Main Right P201

15 CIR

FX1

D6FX FX Clip RED

RED LD15 CLIP

RED LD15

RED LD15

RED LD15

RED LD15

RED LD15

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RED LD15

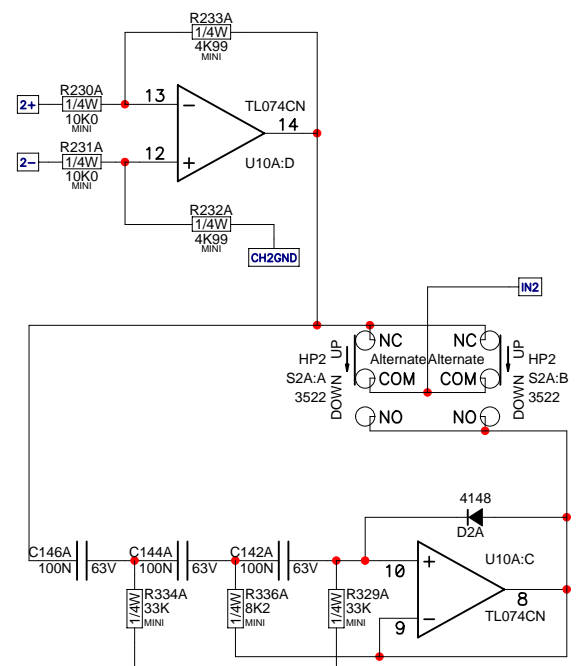
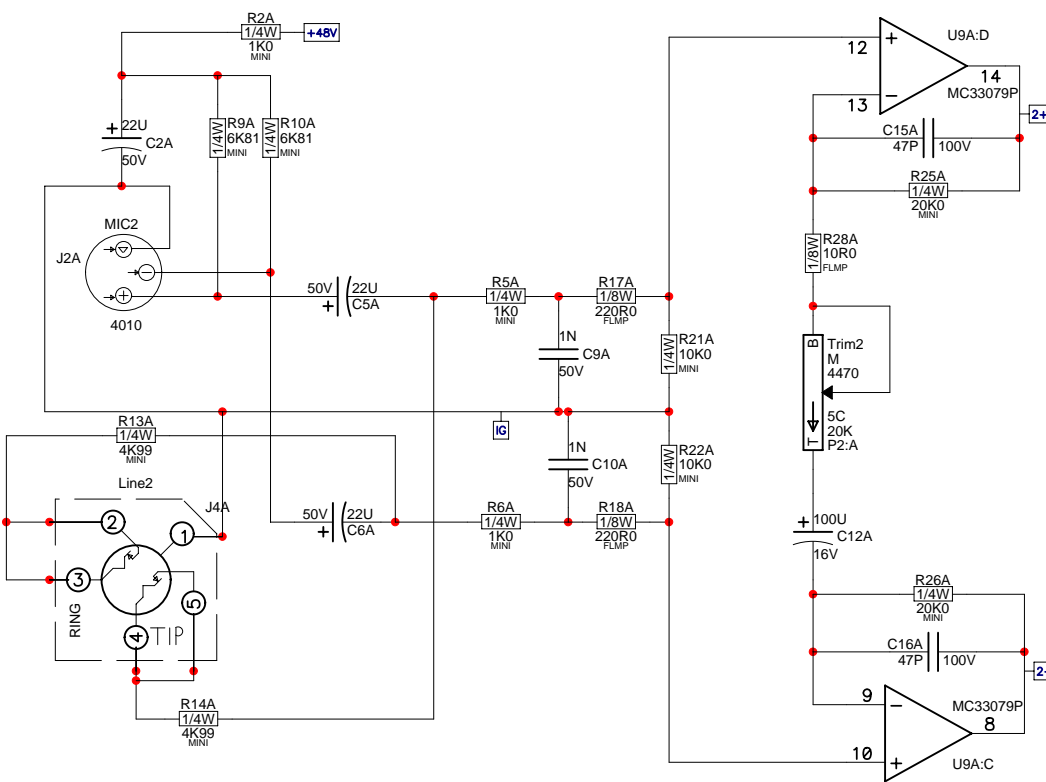
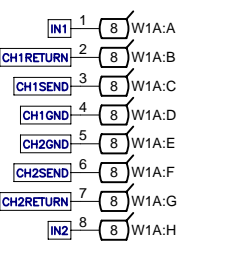
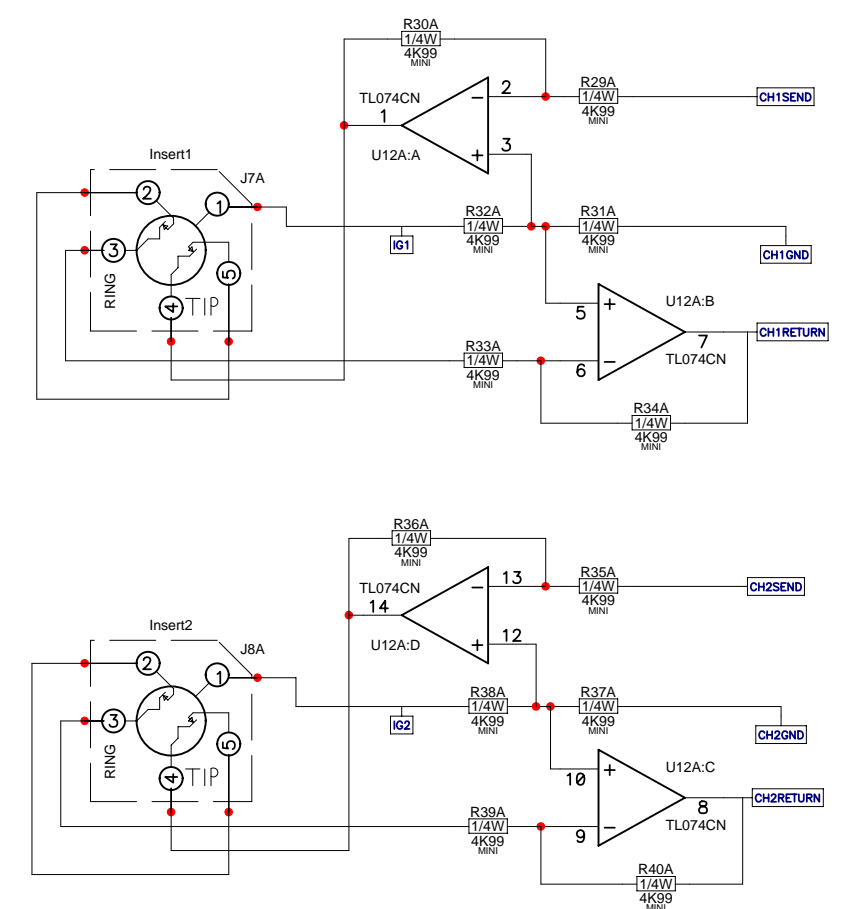
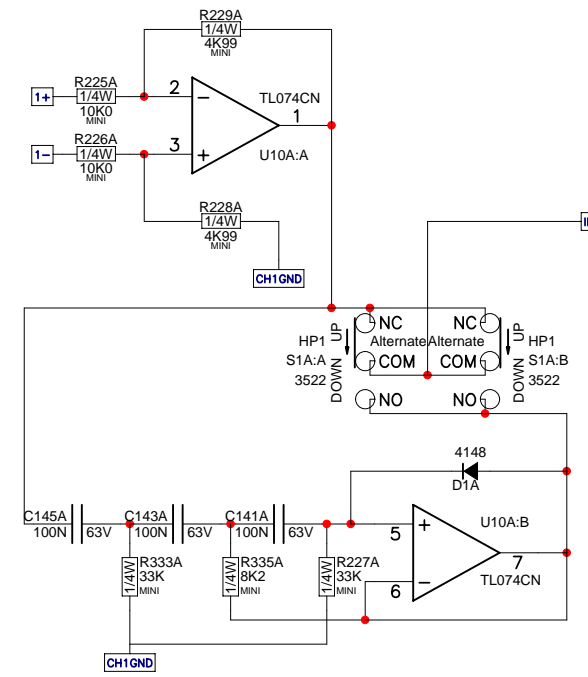
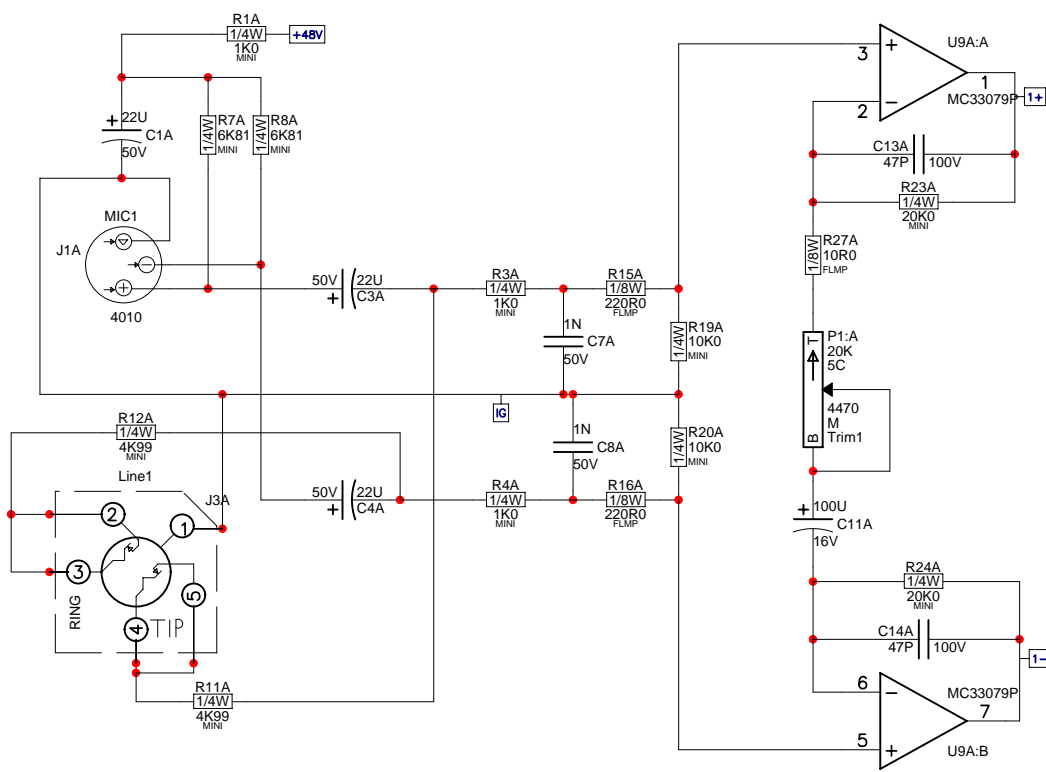
RED LD15

RED LD15

RED LD15

RED LD15

RED LD15



EC35

M1173 Pot List

MODEL(S):-	AP14	FUNCTION	PART#	KNOB	{NEW}
P1	Trim1	4470	K	N	
P2	Trim2	4470	K	N	
P3	Trim3	4470	K	N	
P4	Trim4	4470	K	N	
P5	Trim5	4470	K	N	
P6	Trim6	4470	K	N	
P7	Trim7	4470	K	N	
P8	Trim8	4470	K	N	
P9	Gain9/10	4465	K	N	
P10	RCA Level9/10	4465	K	N	
P11	Gain11/12	4465	K	N	
P12	RCA Level11/12	4465	K	N	
P13	Phones	4465	K	N	
R	F	P	K	N	
R	F	P	K	N	
R	F	P	K	N	
R	F	P	K	N	
R	F	P	K	N	
R	F	P	K	N	
R	F	P	K	N	
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R	F	P	K	N	
R	F	P	K	N	
R	F	P	K	N	

M1173 Database History

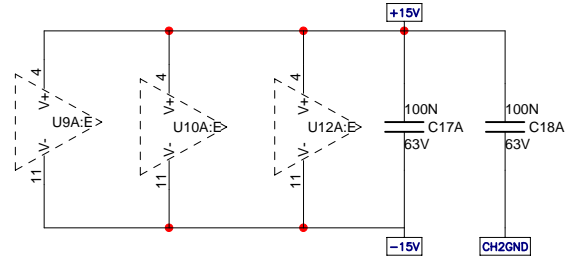
MODEL(S):-	MC12D	DESCRIPTION OF CHANGE
1	28-AUG-2009	1v00 Released for production
2	.	.
3	.	.
4	25-SEP-2009	2v00 PC7877: permanently substitute YS#2328 with YS#2344
5	28-SEP-2009	2v00 PC7846: Add R1 and R2 #4852
6	30-SEP-2009	2v00 PC7848 / PC7848: connect RCA input jacks GND to IG
7	D	V
8	D	V
9	D	V
10	D	V
11	D	V
12	D	V
13	D	V
1	D	V
2	D	V
3	D	V
4	D	V
5	D	V
6	D	V
7	D	V
8	D	V
9	D	V
10	D	V
11	D	V
12	D	V
13	D	V

M1173 Drilling History

MODEL(S):-	MC12D	DESCRIPTION OF CHANGE
1	D	V
2	D	V
3	D	V
4	D	V
5	D	V

M1173 Pending Changes

MODEL(S):-	MC12D	PENDING CHANGE
1	PC	X
2	PC	X
3	PC	X
4	PC	X
5	PC	X
6	PC	X



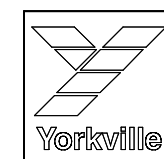
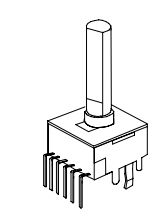
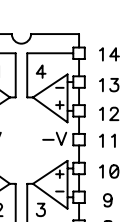
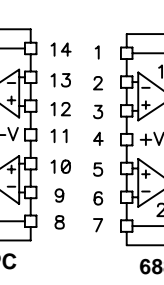
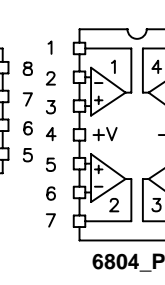
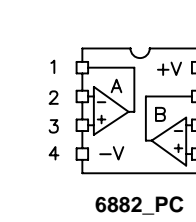
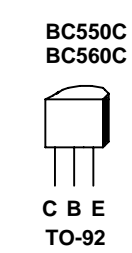
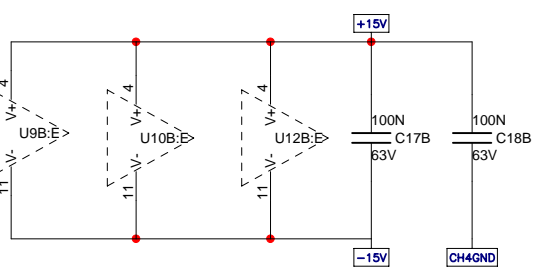
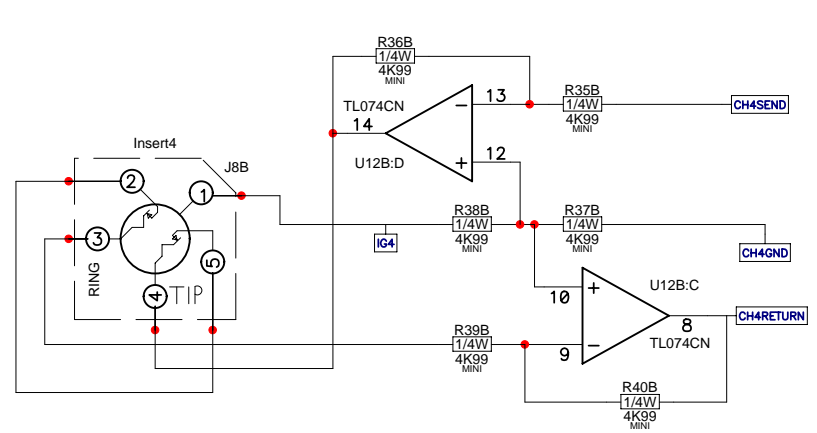
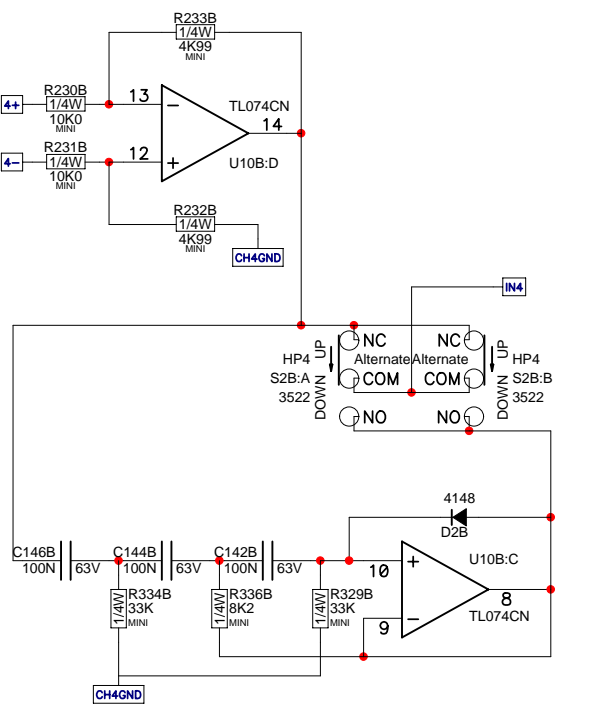
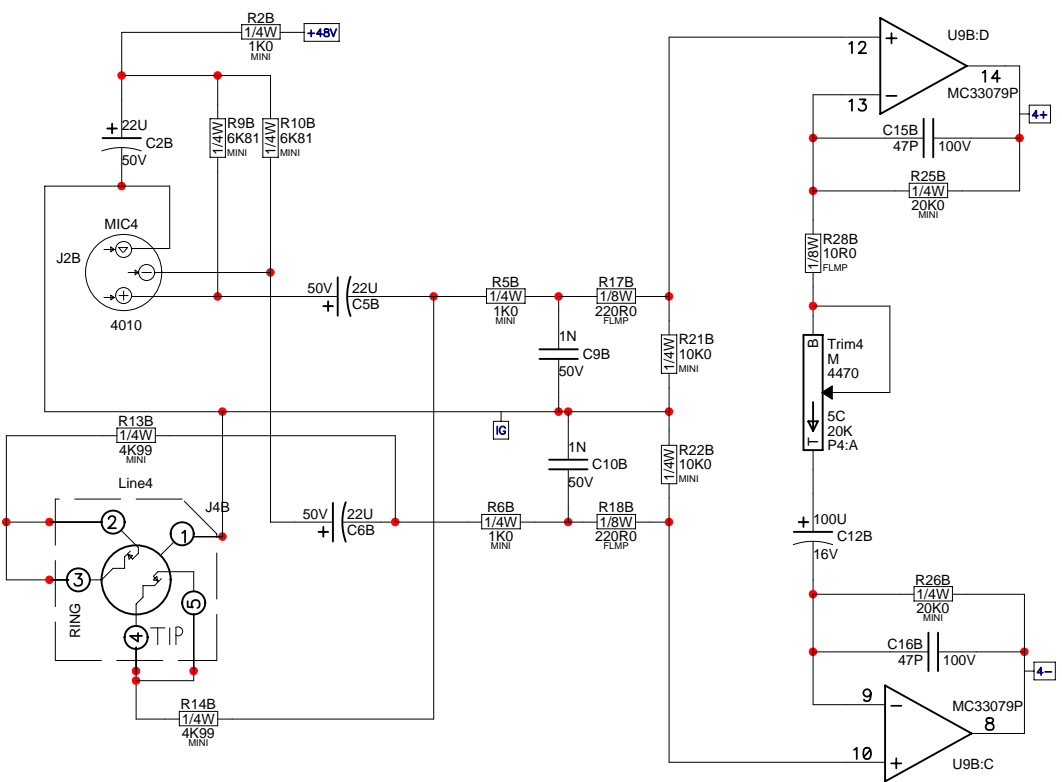
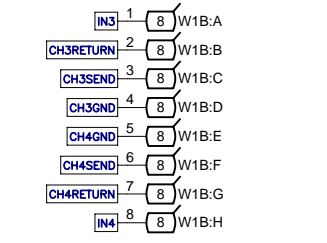
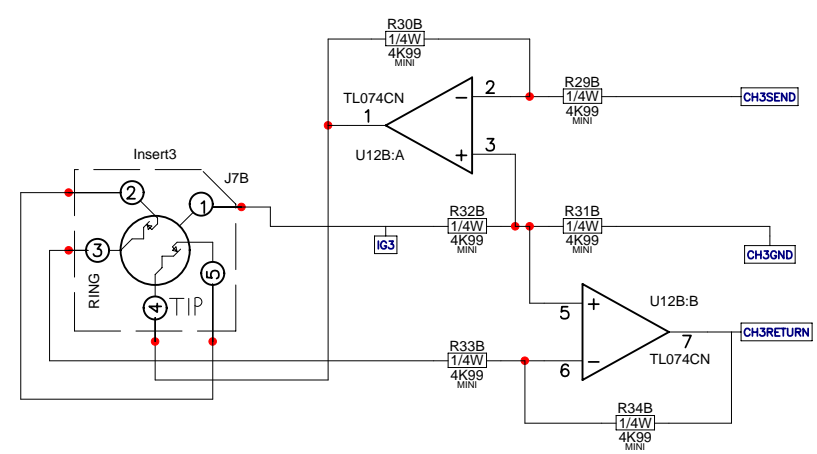
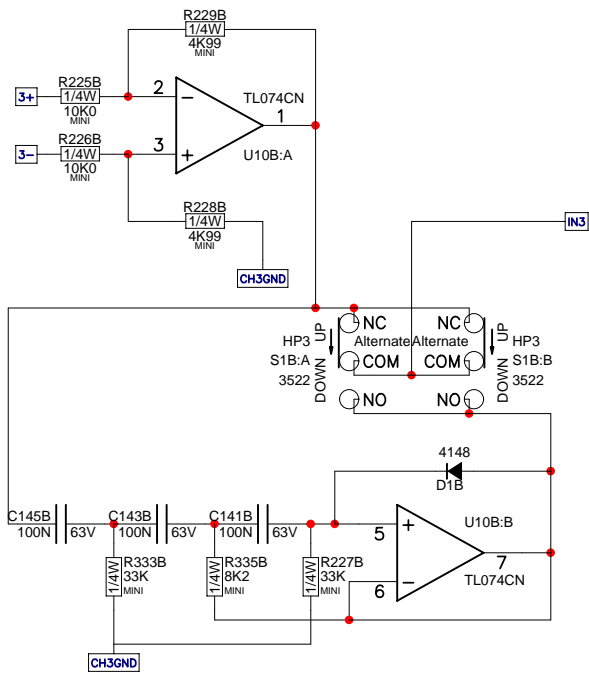
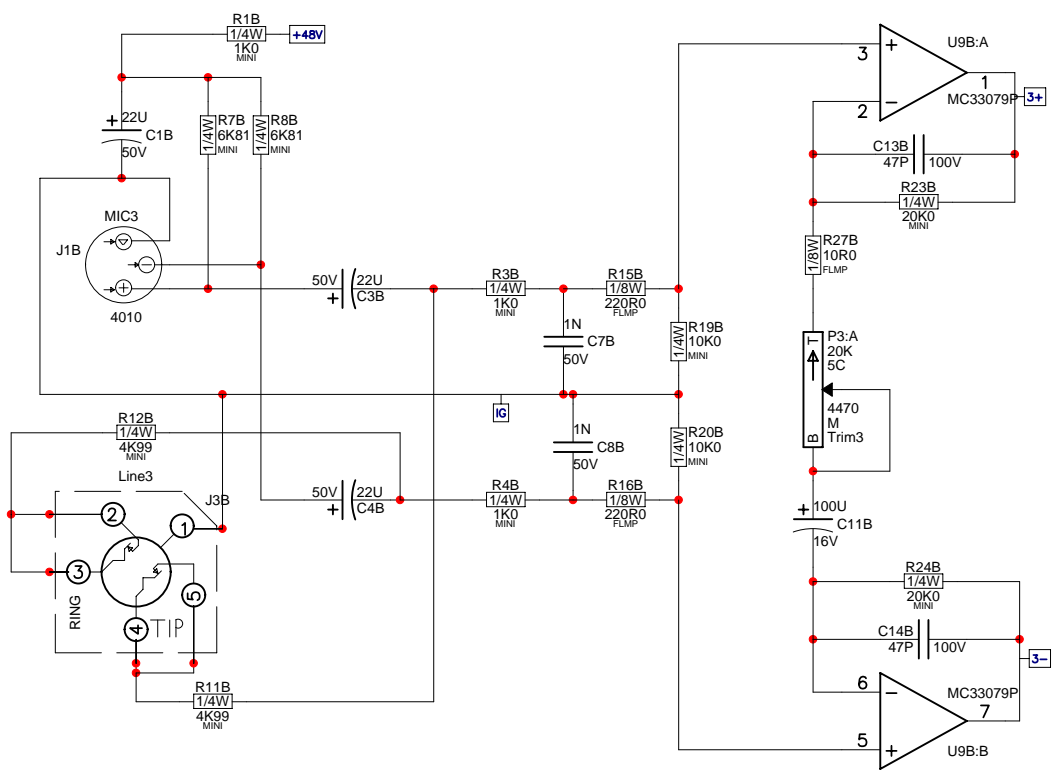
*PLACE IMPLEMENTED CHANGES INTO BOARD HISTORY

Product **MC12D**

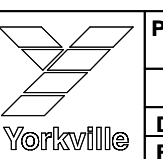
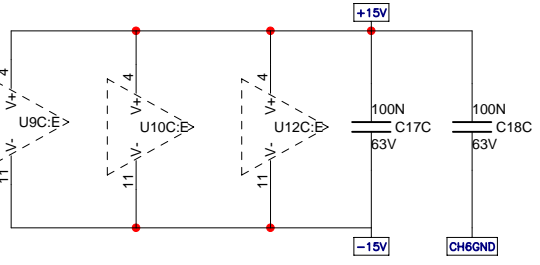
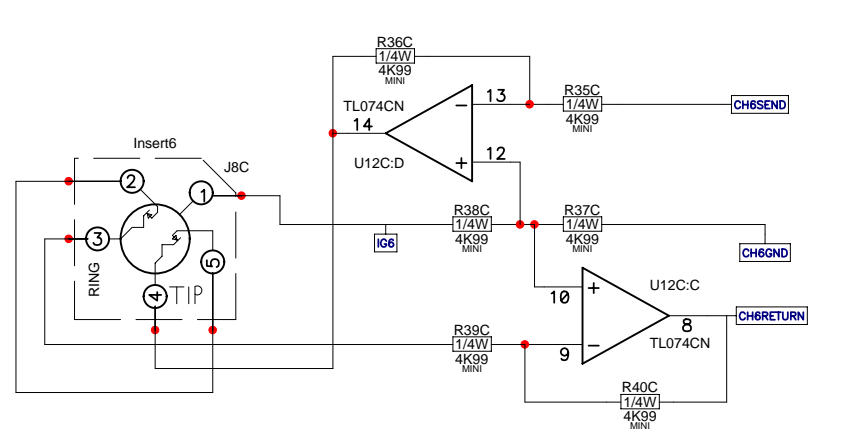
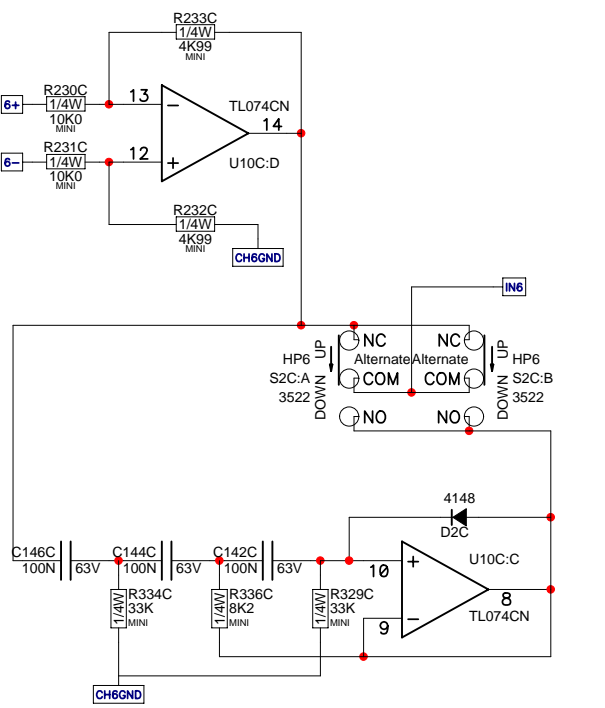
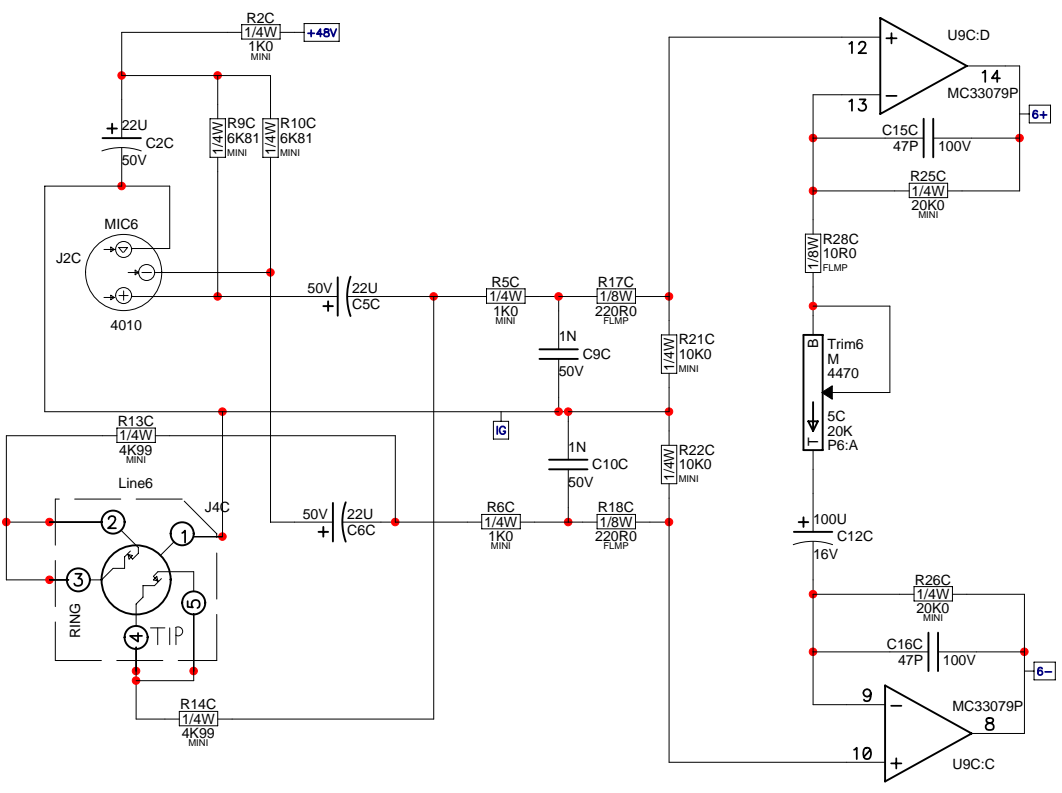
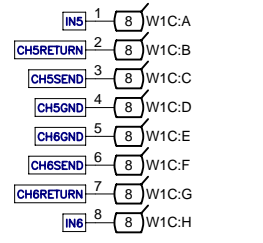
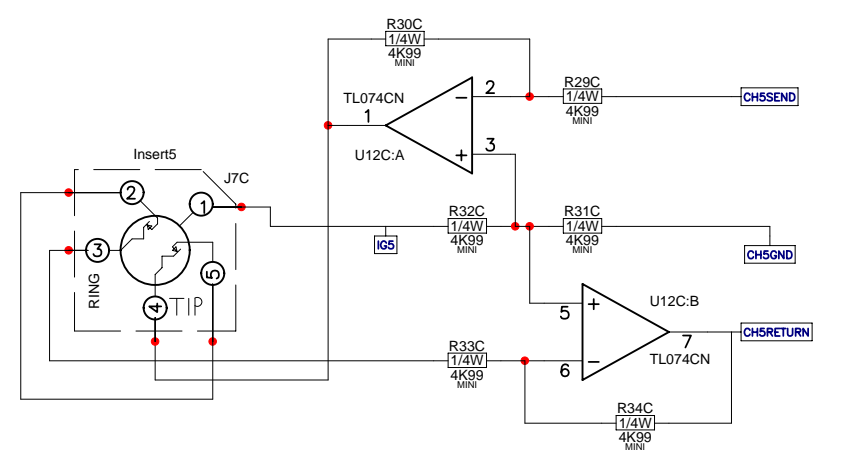
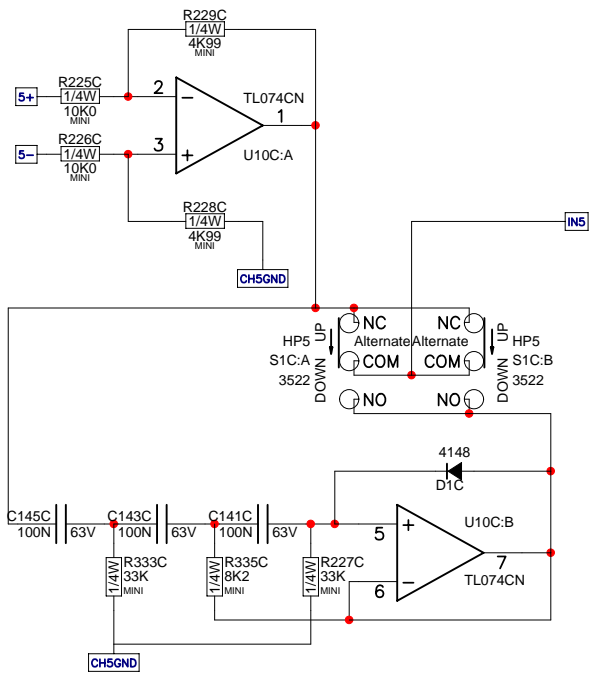
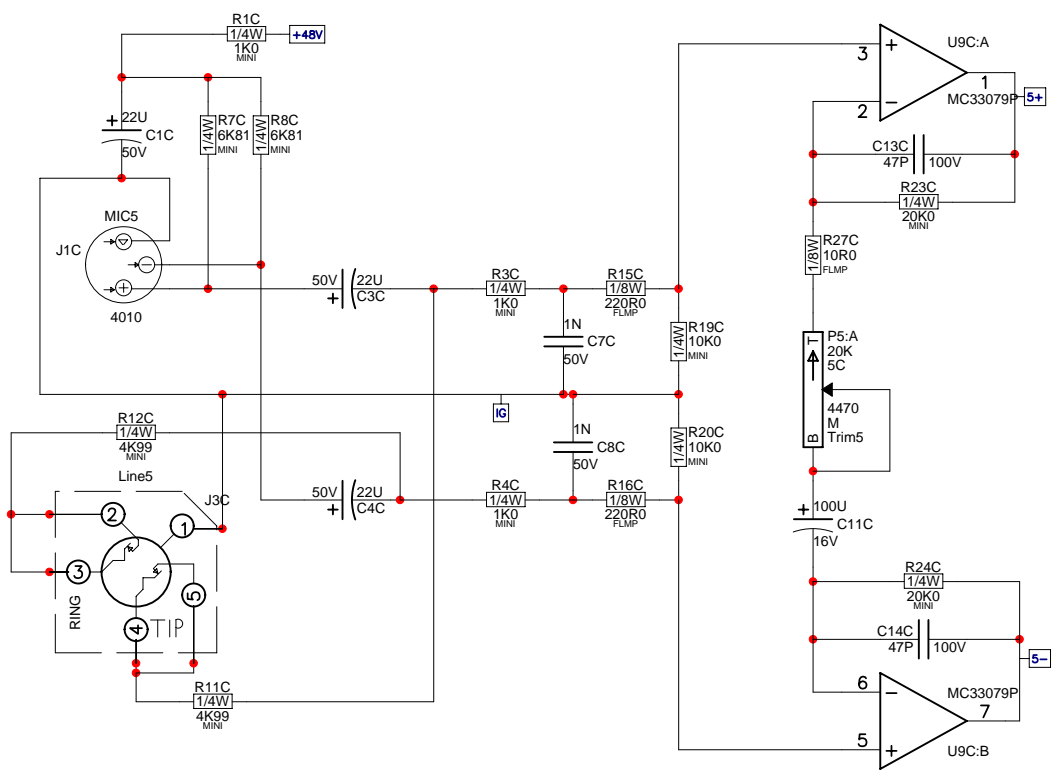
Input CH1/CH2 PCB# M1173 Sheet 1 of 7

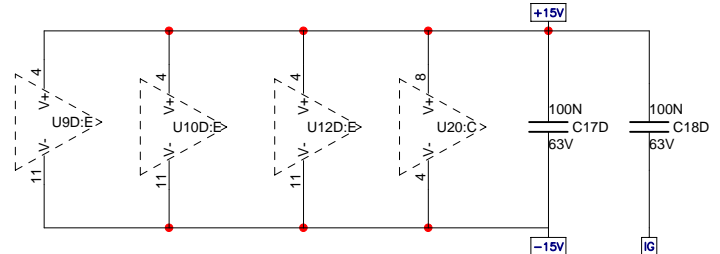
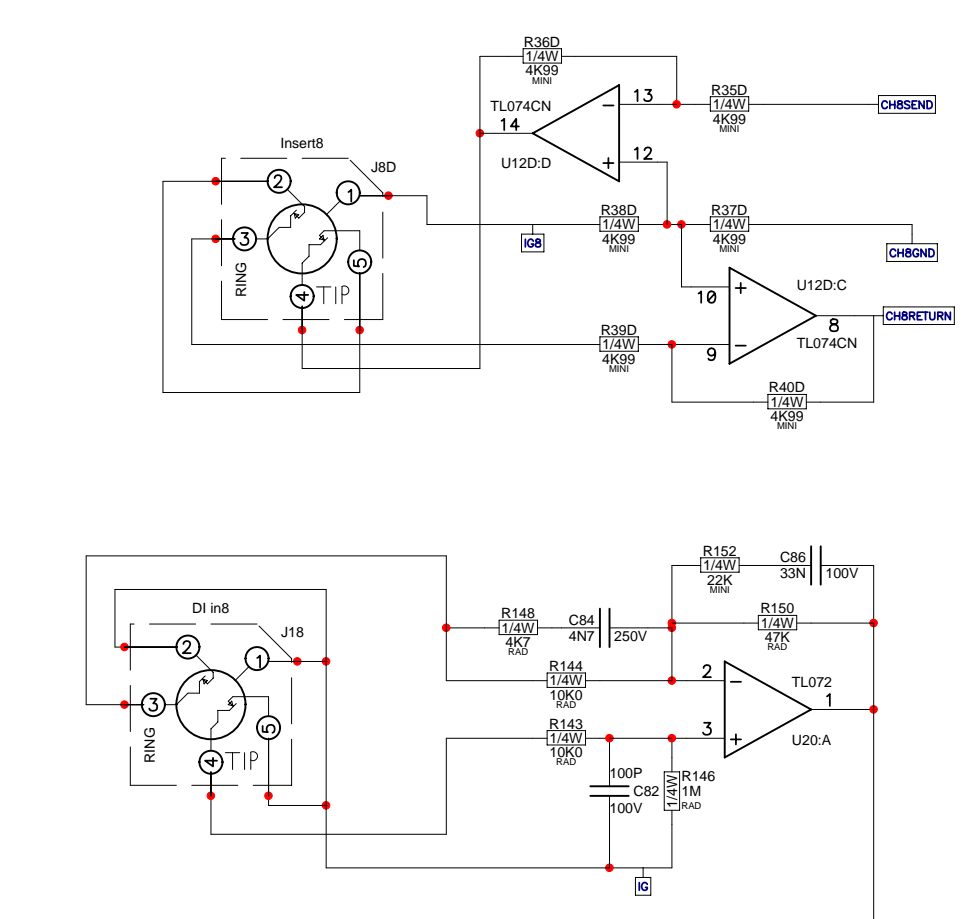
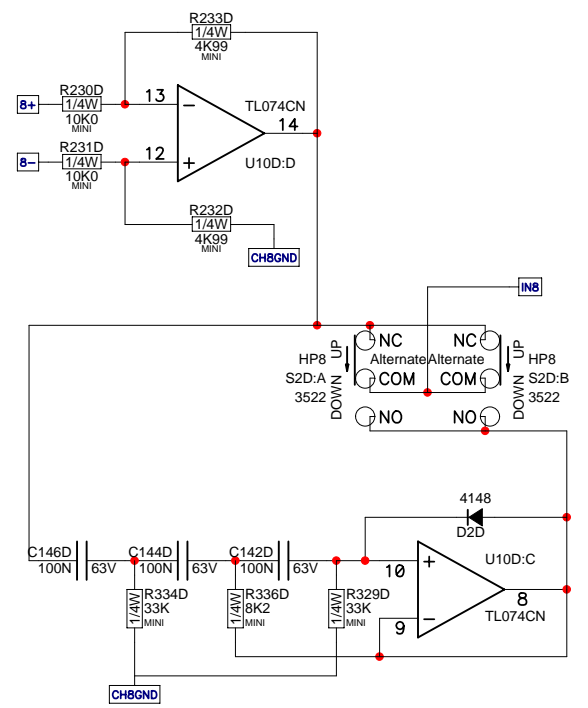
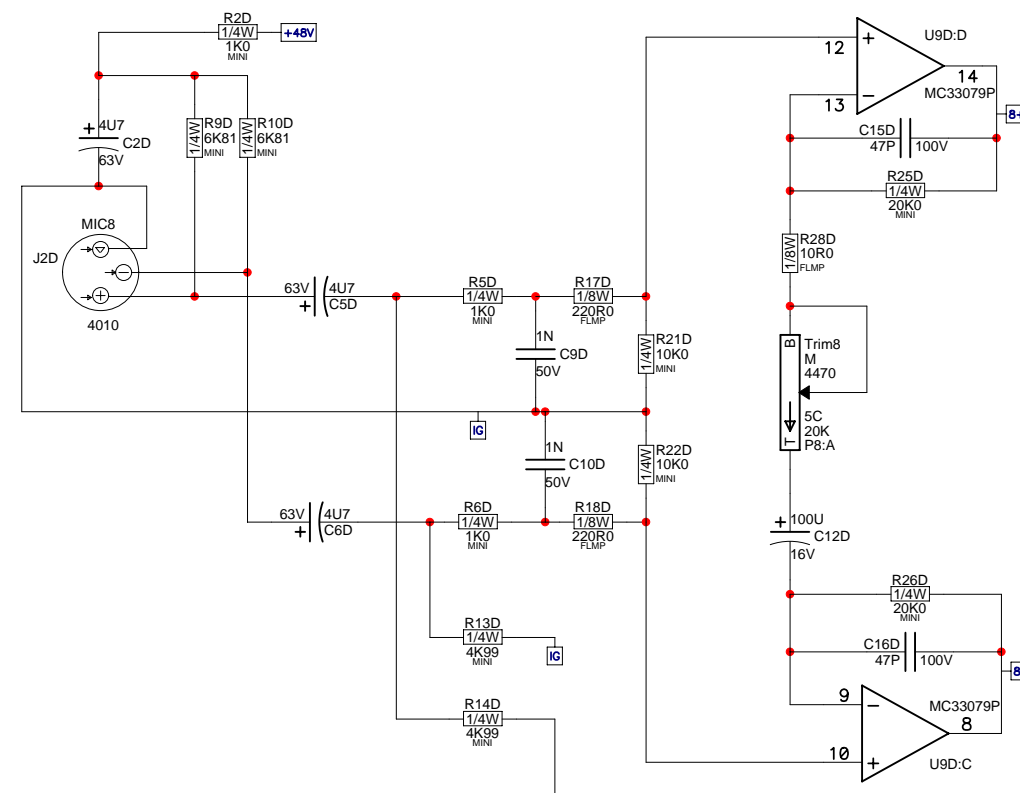
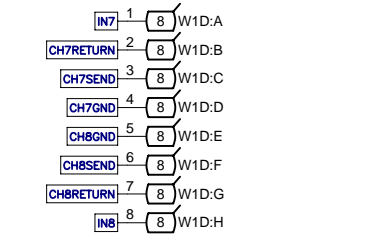
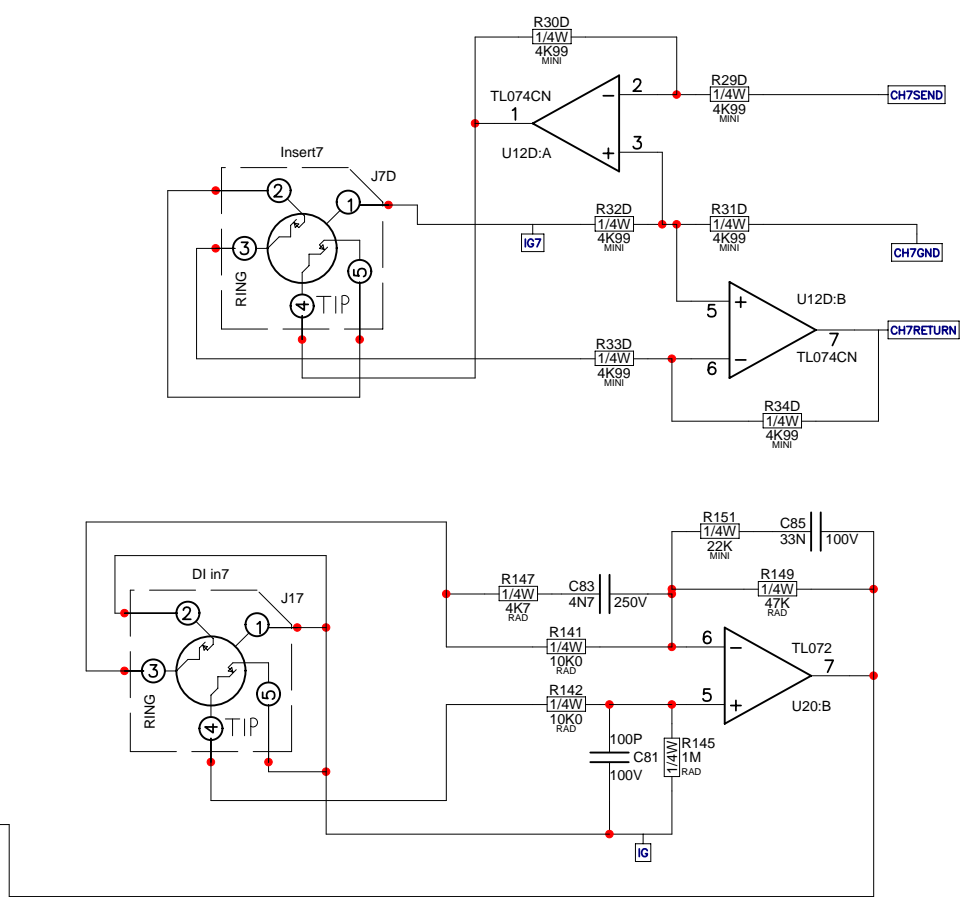
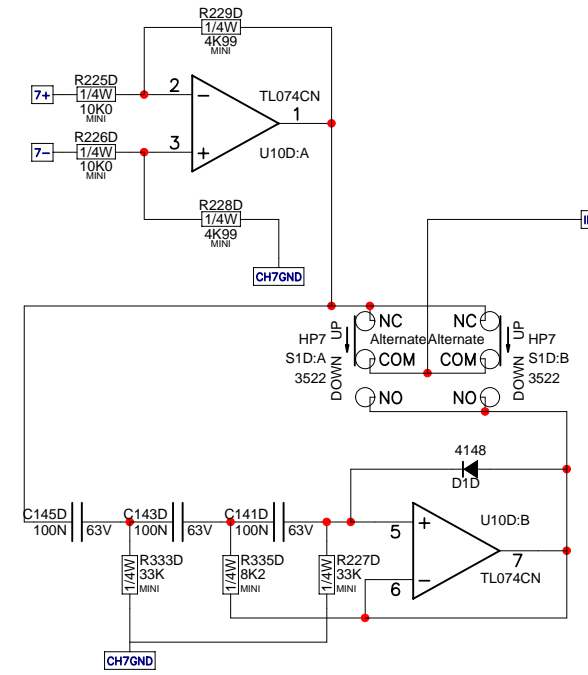
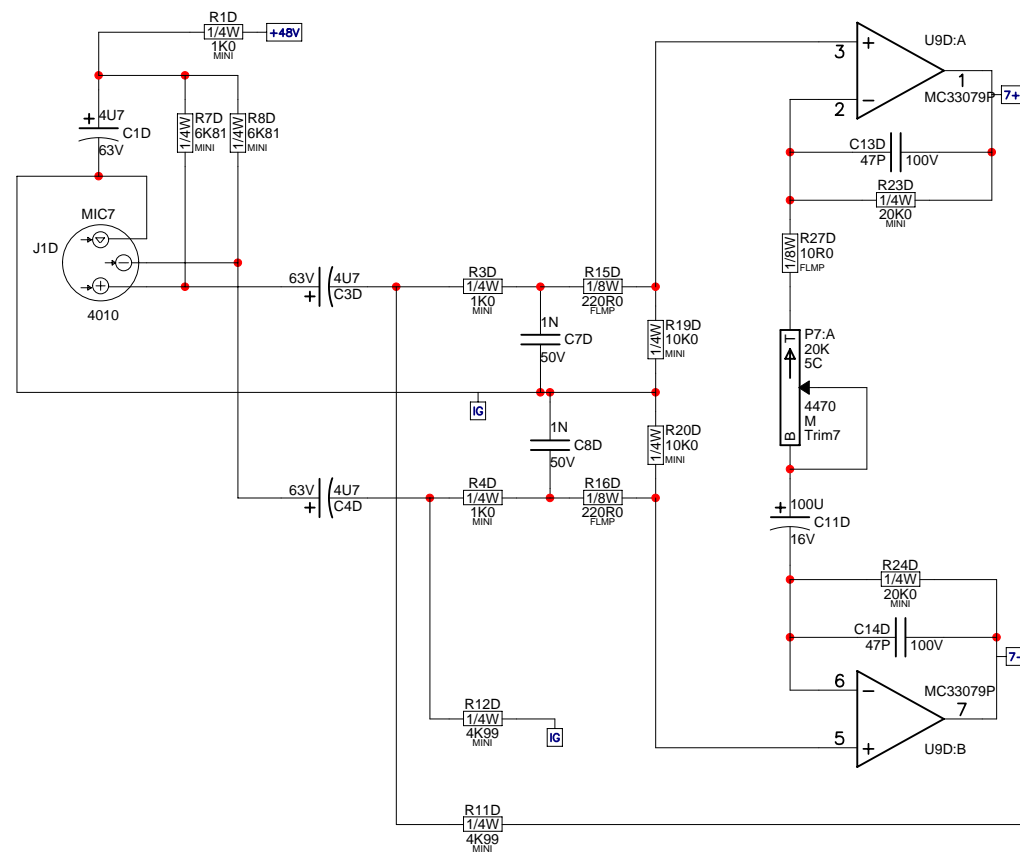
Date: Mon Oct 05, 2009 Rev:2.00 YsType:YsType

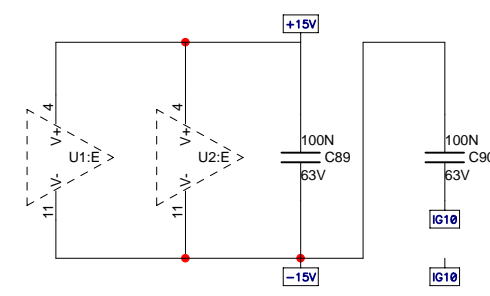
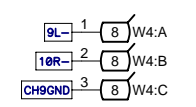
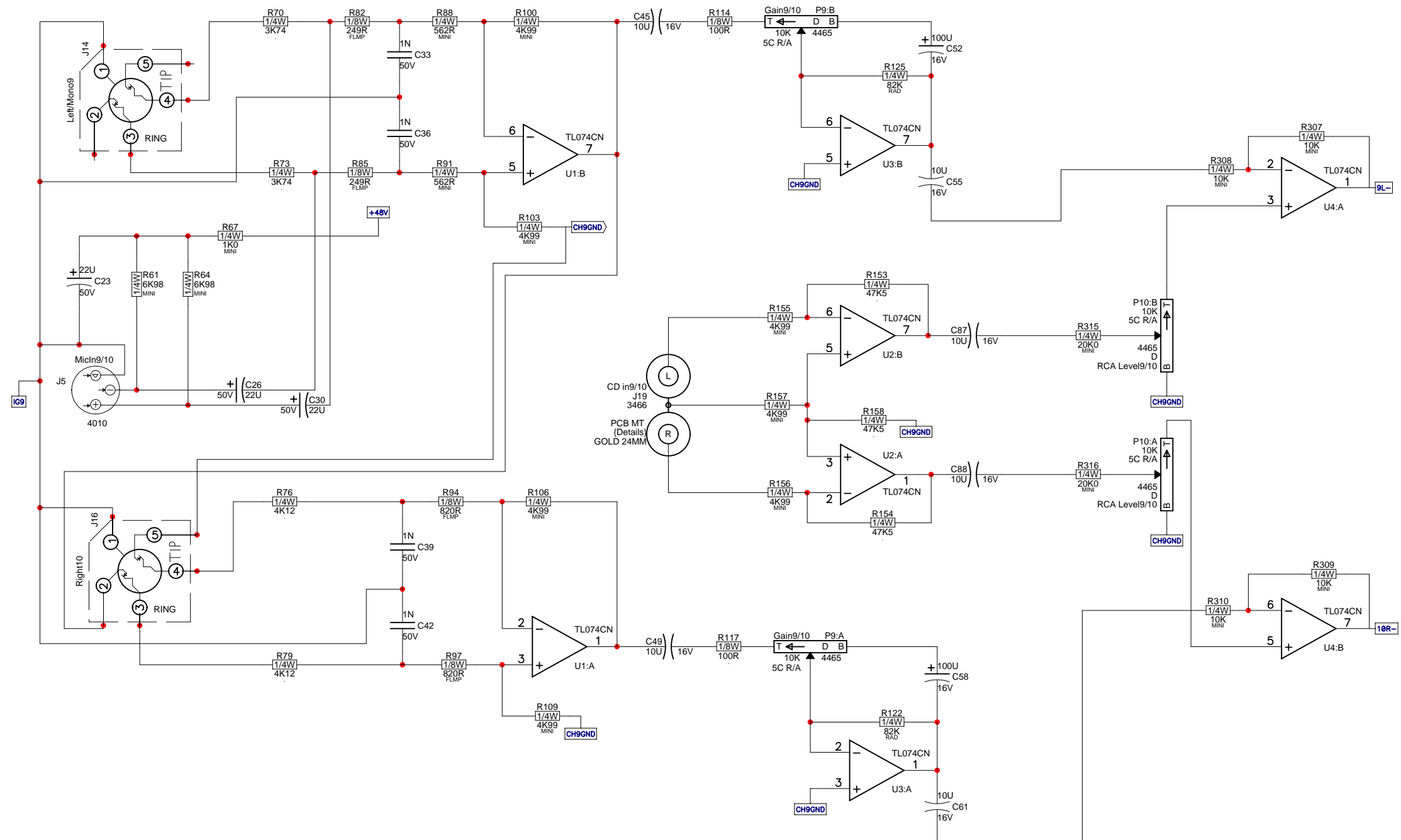
Filename: M1173v200sch.sch2002

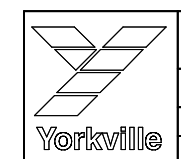
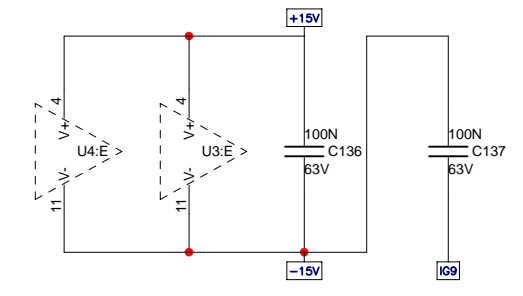
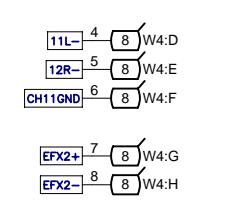
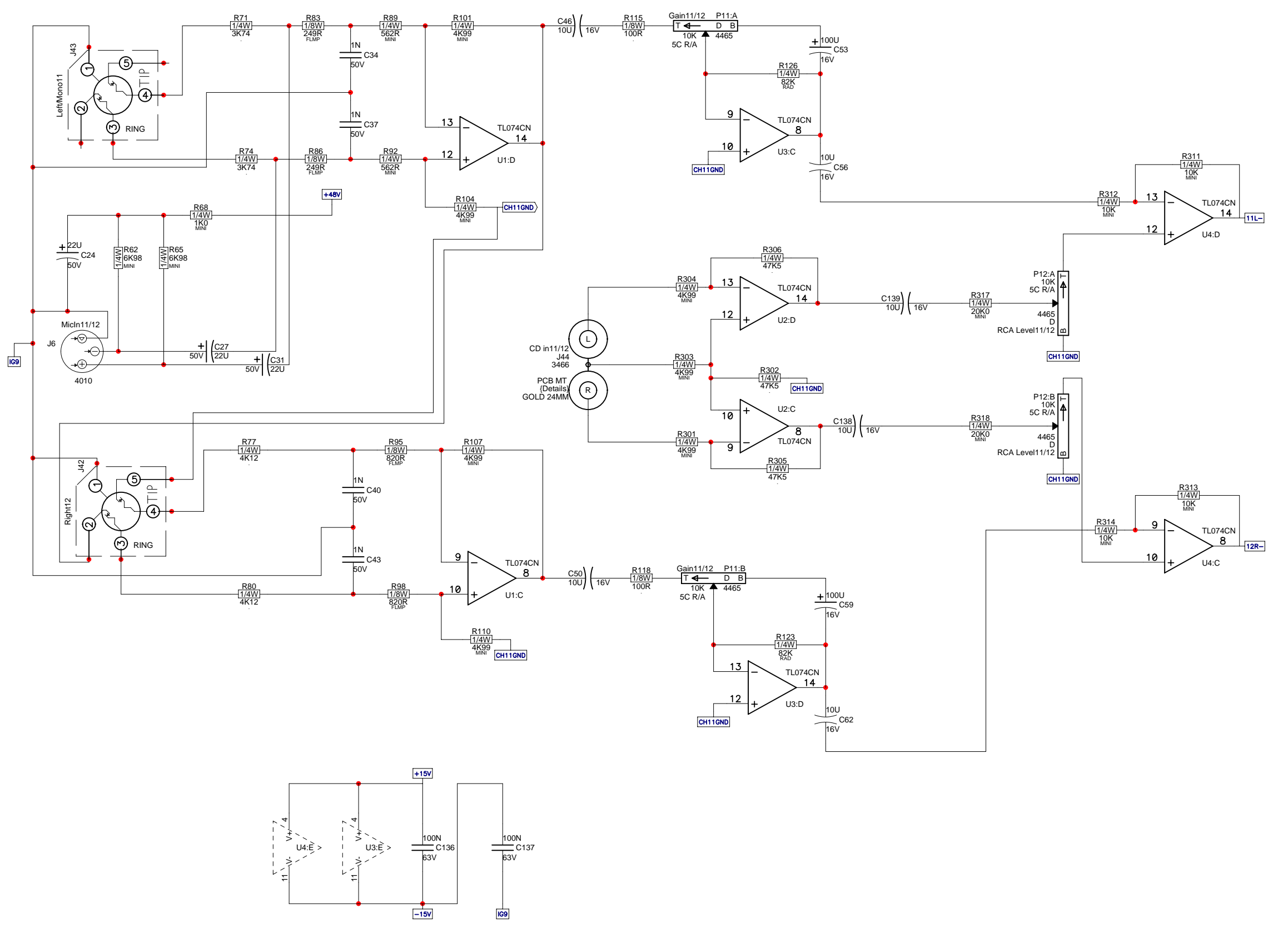


Product MC12D		
Input CH3/CH4	PCB# M1173	Sheet 2 of 7
Date: Mon Oct 05, 2009	Rev:2.00	YsType:YsType
Filename: M1173v200sch.sch2002		

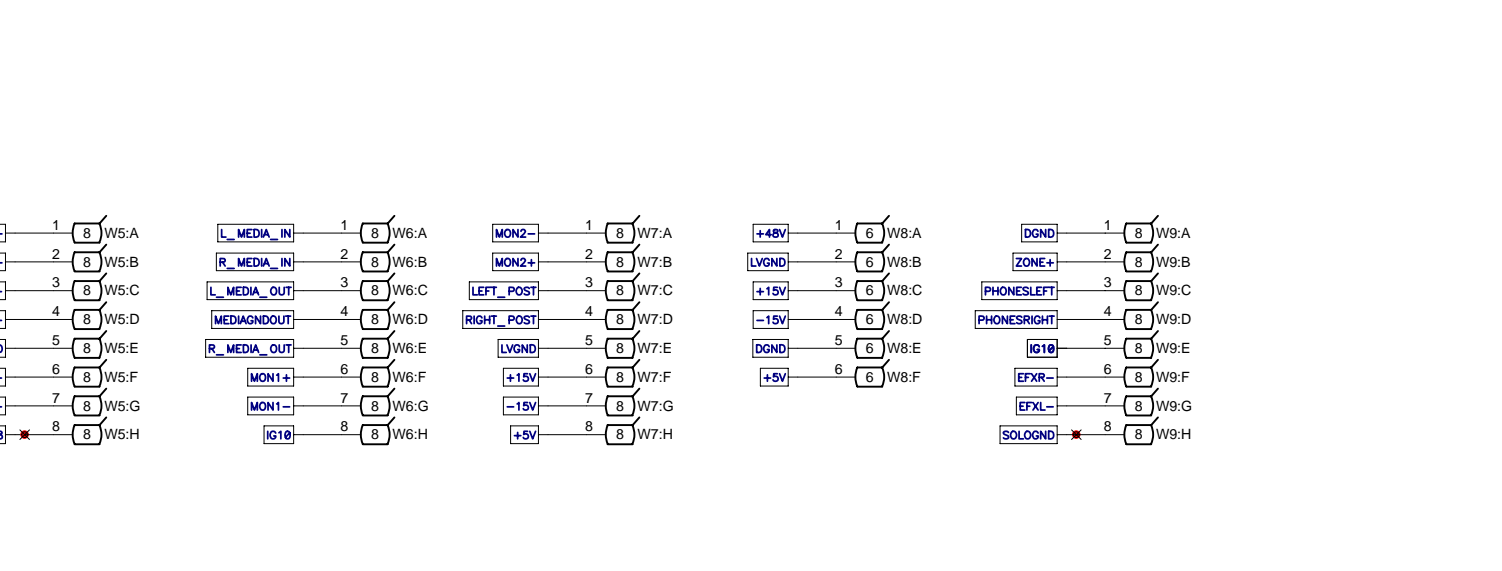
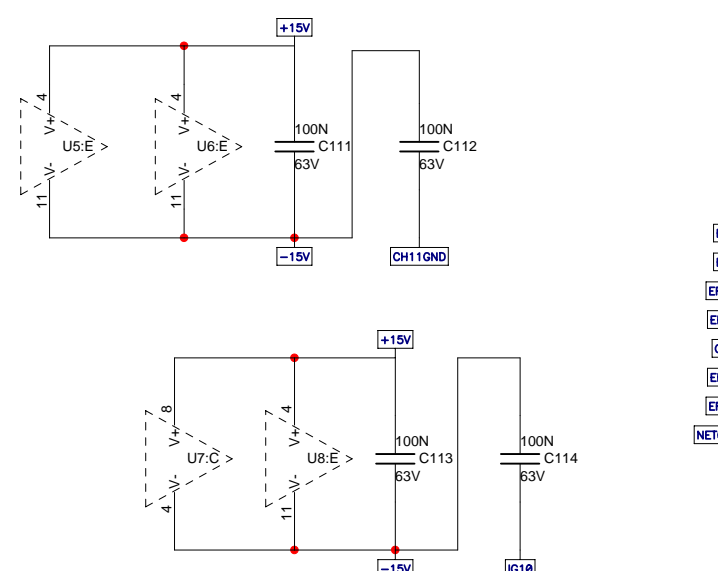
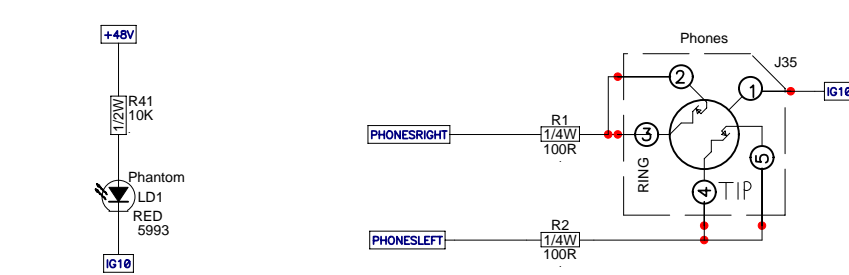
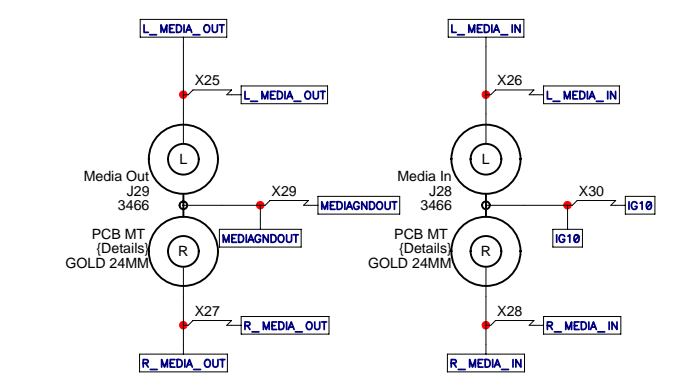
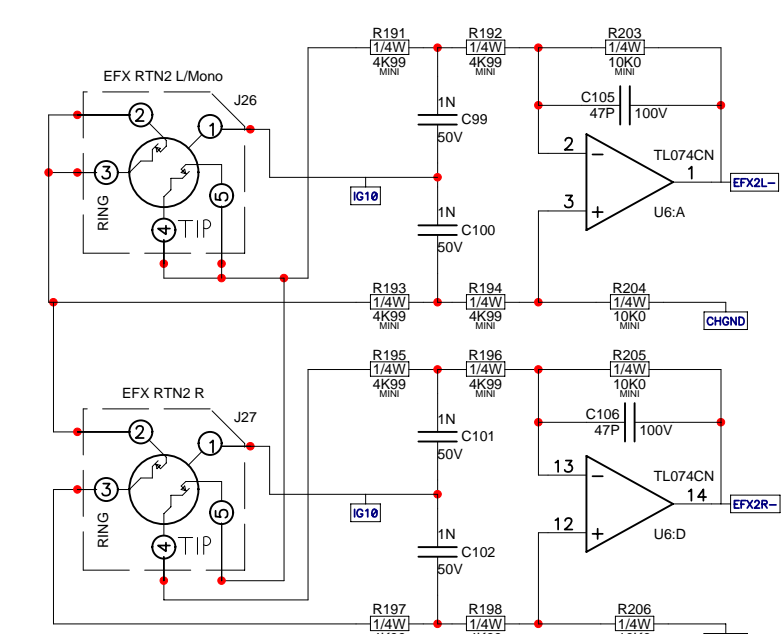
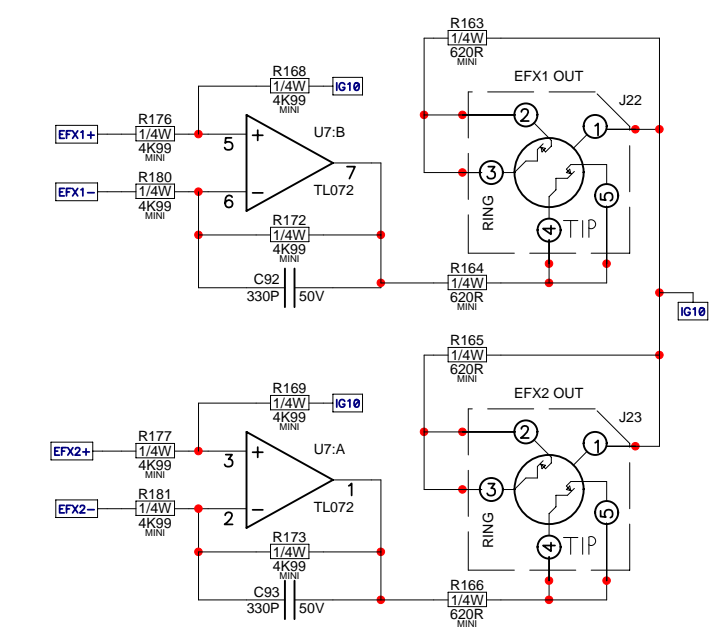
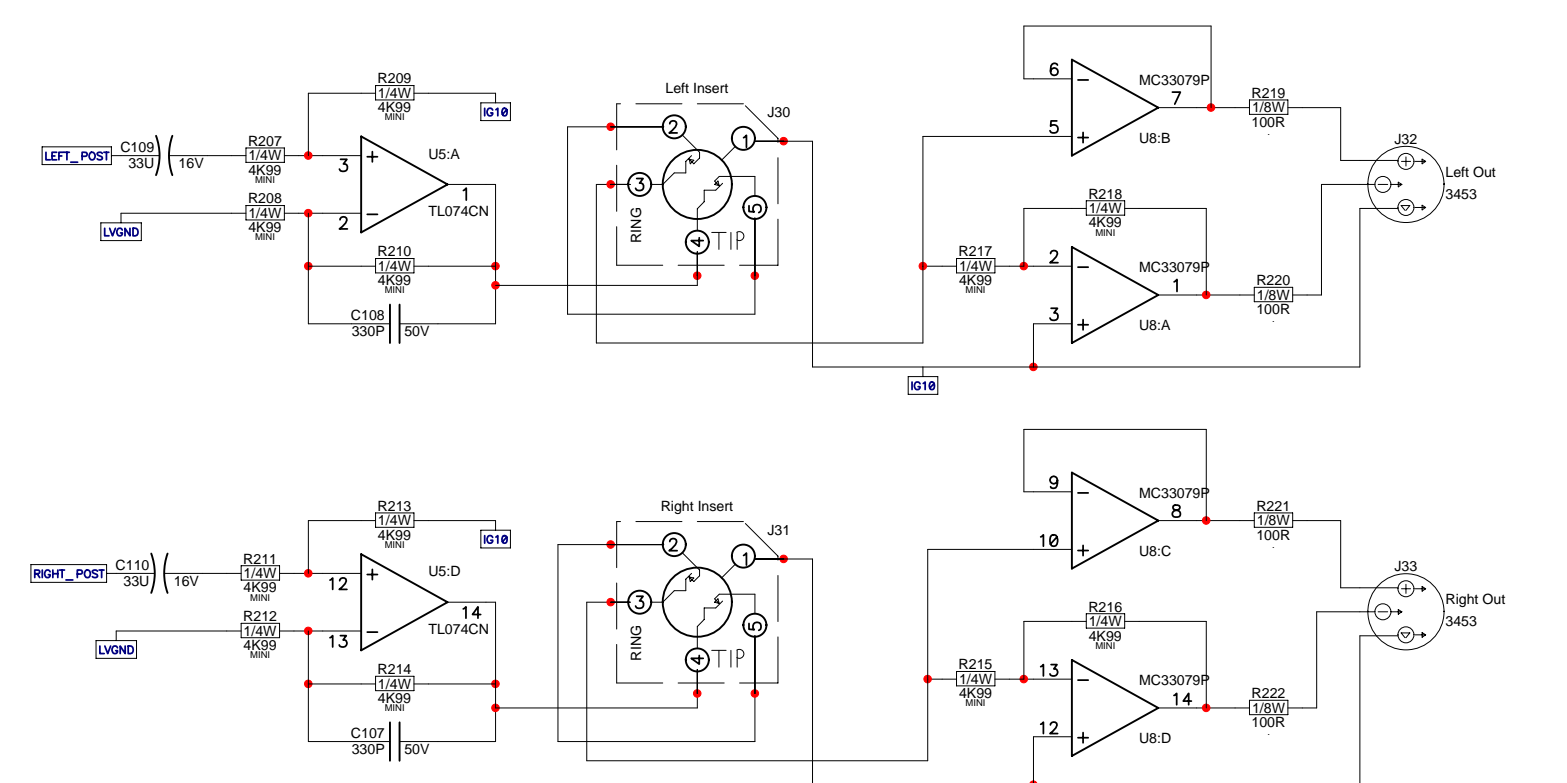
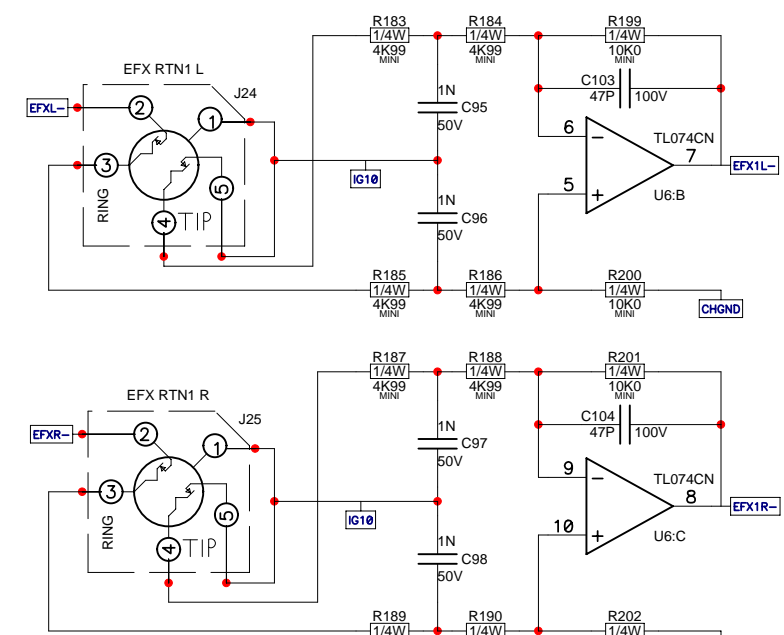
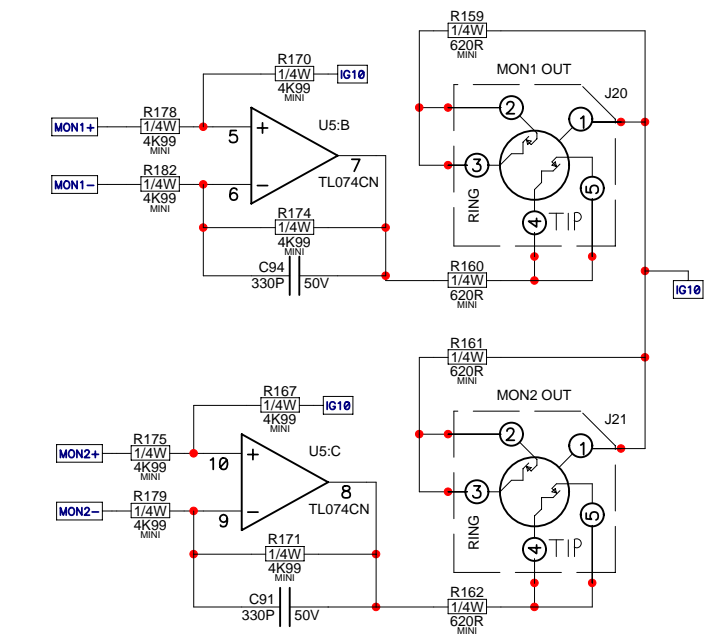








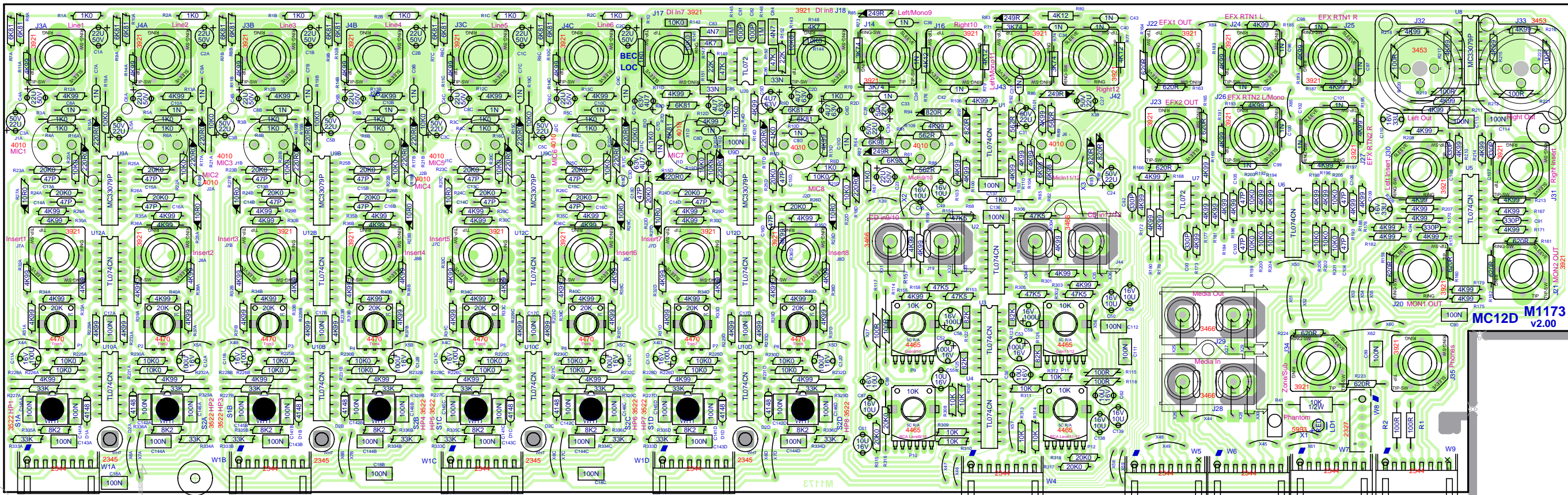
Product MC12D		
St Inputs/11/12	PCB# M1173	Sheet 6 of 7
Date: Mon Oct 05, 2009	Rev:2.00	YsType:YsType
Filename: M1173v200sch.sch2002		



Yorkville

Product MC12D

Outputs	PCB# M1173	Sheet 7 of 7
Date: Mon Oct 05, 2009	Rev:2.00	YsType:YsType
Filename: M1173v200sch.sch2002		



StepAndRepeat - X1@1.000Y2@6.300
ClinchRepeats - X1@1.000Y1@1.000

BlankSize - 18000x12600

BlankSize - 18000x12600

SEE LAYOUT DOCUMENTATION

SEE LAYOUT DIAGRAM

M1173 PRODUCTION NOTES

1. WHERE INDICATED, BREAK PANEL IN TWO BEFORE CLINCHING.

M1173 Database History			
MODEL(S):- MC12D			
#	DATE	VER#	DESCRIPTION OF CHANGE
1	28-AUG-2009	1v00	Released for production
2	.	.	.
3	.	.	.
4	25-SEP-2009	.	PC7877: permanently substitute YS#2328 with YS#2344
5	28-SEP-2009	2v00	PC7846: Add R1 and R2 #4852
6	30-SEP-2009	2v00	PC7848 / PC7848: connect RCA input jacks GND to IG
7	D	V	N
8	D	V	N
9	D	V	N
10	D	V	N
11	D	V	N
12	D	V	N
13	D	V	N
1	D	V	N
2	D	V	N
3	D	V	N
4	D	V	N
5	D	V	N
6	D	V	N
7	D	V	N
8	D	V	N
9	D	V	N
10	D	V	N
11	D	V	N
12	D	V	N
13	D	V	N
1	D	V	N
2	D	V	N
3	D	V	N
4	D	V	N
5	D	V	N
6	D	V	N
7	D	V	N
8	D	V	N
9	D	V	N
10	D	V	N
11	D	V	N
12	D	V	N
13	D	V	N

M1173 Drilling History			
MODEL(S):- MC12D			
#	DATE	VER#	DESCRIPTION OF CHANGE
1	D	V	N
2	D	V	N
3	D	V	N
4	D	V	N
5	D	V	N
6	D	V	N

M1173 Pending Changes			
MODEL(S):- MC12D			
#	PC#	PENDING CHANGE	
1	PC	X	
2	PC	X	
3	PC	X	
4	PC	X	
5	PC	X	
6	PC	X	

*PLACE IMPLEMENTED CHANGES INTO BOARD HISTORY

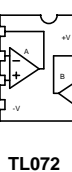
M1173 Pot List				
MODEL(S):- AP14				
REF	FUNCTION	PART#	KNOB	{NEW}
P1	Trim1	4470	K	N
P2	Trim2	4470	K	N
P3	Trim3	4470	K	N
P4	Trim4	4470	K	N
P5	Trim5	4470	K	N
P6	Trim6	4470	K	N
P7	Trim7	4470	K	N
P8	Trim8	4470	K	N
P9	Gain9/10	4465	K	N
P10	RCA Level9/10	4465	K	N
P11	Gain11/12	4465	K	N
P12	RCA Level1 1/12	4465	K	N
P13	Phones	4465	K	N
R	F	P	K	N
R	F	P	K	N
R	F	P	K	N
R	F	P	K	N
R	F	P	K	N
R	F	P	K	N
R	F	P	K	N
R	F	P	K	N
R	F	P	K	N
R	F	P	K	N
R	F	P	K	N
R	F	P	K	N

LEAD/PIN REFERENCE

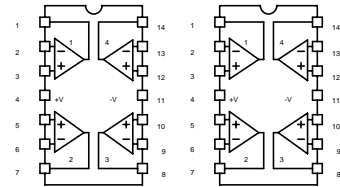
BC550C
BC560C



C B E
TO-92

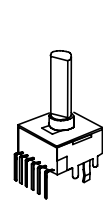


TL072

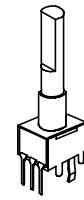


MC33079P

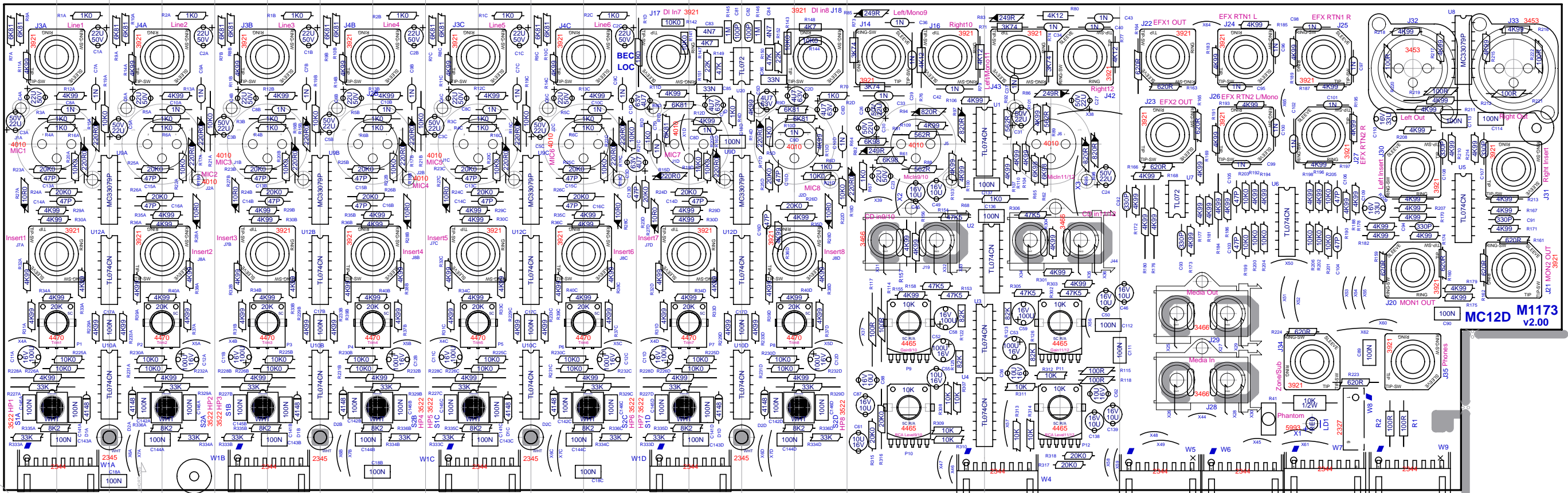
TL074CN



"STYLE_P34"



"STYLE_P35"

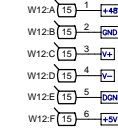
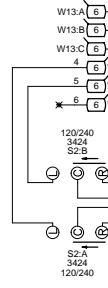
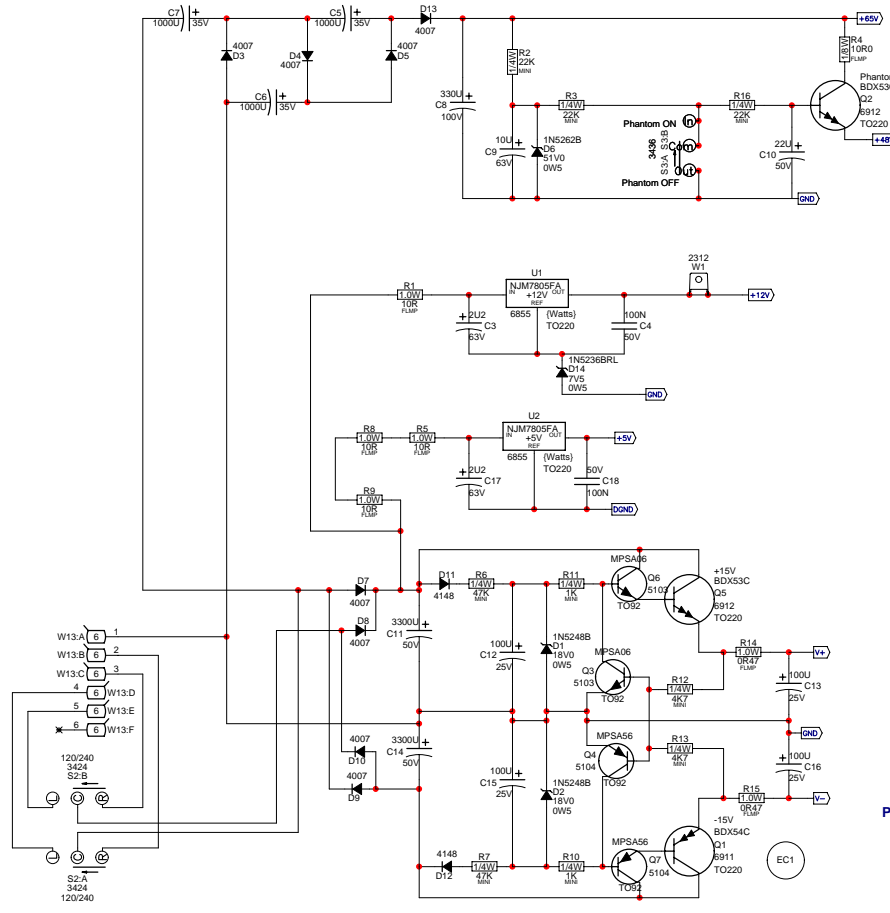
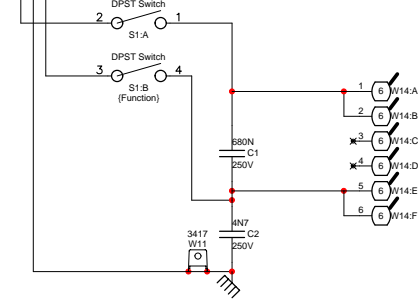


StepAndRepeat - X1@1.000Y2@6.300
ClinchRepeats - X1@1.000Y1@1.000
BlankSize - 1800x12600

SEE LAYOUT DOCUMENTATION



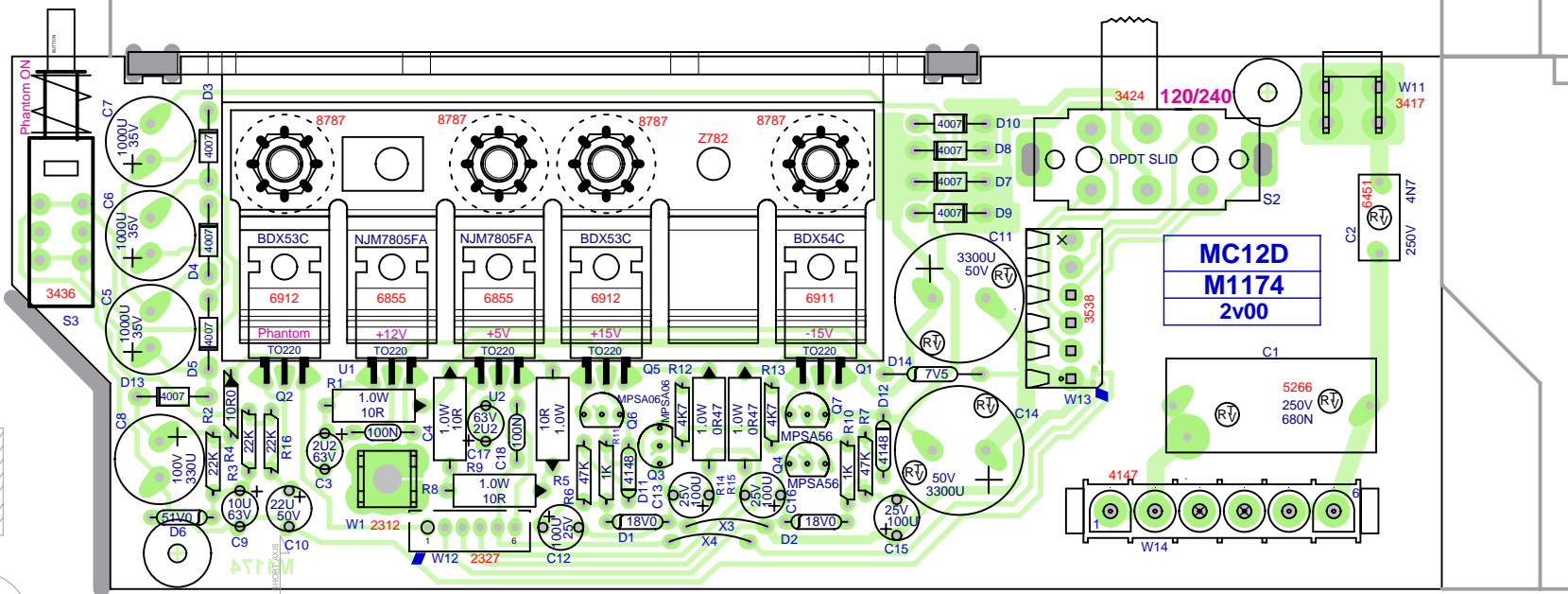
IEC_RECT



Power Supply



Product MC12D		
power supply	PCB# M1174	Sheet 1 of 1
Date: Thu Oct 01, 2009	Rev: 2v00	YsType: YsType
Filename: M1174v200sch.sch2002		



StepAndRepeat - X2@8.000Y3@2.975
 ClinchRepeats - X2@8.000Y3@2.975

Pcb Mech 2v00 M1174
 Top Assy 2v00 M1174



SEE LAYOUT DOCUMENTATION



SEE LAYOUT DIAGRAM



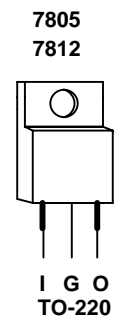
M1174.PCB_DATABASE_HISTORY			
MODEL(S):-		MC12D	
#	DATE	VER#	DESCRIPTION OF CHANGE
1	31 AUG 2009	V1.00	Released For Production
2	11-SEP-2009	2v00	Moved W14 to allow room to insert.
3	30-SEP-2009	.	PC7848 / PC7849: Reroute phantom GND connection
4	D	V	N
5	D	V	N
6	D	V	N
7	D	V	N
8	D	V	N
9	D	V	N
10	D	V	N
11	D	V	N
12	D	V	N
13	D	V	N
1	D	V	N
2	D	V	N
3	D	V	N
4	D	V	N
5	D	V	N
6	D	V	N
7	D	V	N
8	D	V	N
9	D	V	N
10	D	V	N
11	D	V	N
12	D	V	N
13	D	V	N
1	D	V	N
2	D	V	N
3	D	V	N
4	D	V	N
5	D	V	N
6	D	V	N
7	D	V	N
8	D	V	N
9	D	V	N
10	D	V	N
11	D	V	N
12	D	V	N
13	D	V	N

M1174.PCB_DRILLING_HISTORY			
MODEL(S):-		MC12D	
#	DATE	VER#	DESCRIPTION OF CHANGE
1	D	V	N
2	D	V	N
3	D	V	N
4	D	V	N
5	D	V	N
6	D	V	N

M1174 PENDING CHANGES			
MODEL(S):-		MC12D	
#	PC#	PENDING CHANGE	
1	PC	X	
2	PC	X	
3	PC	X	
4	PC	X	
5	PC	X	
6	PC	X	

*PLACE IMPLEMENTED CHANGES INTO BOARD HISTORY

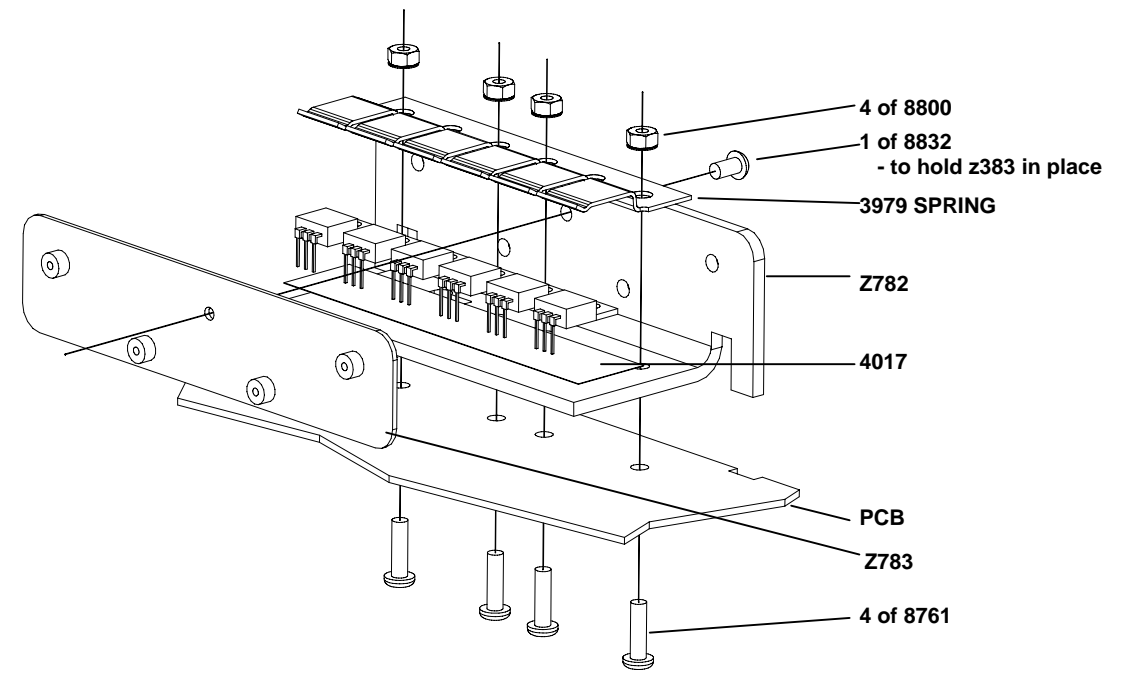
LEAD/PIN REFERENCE

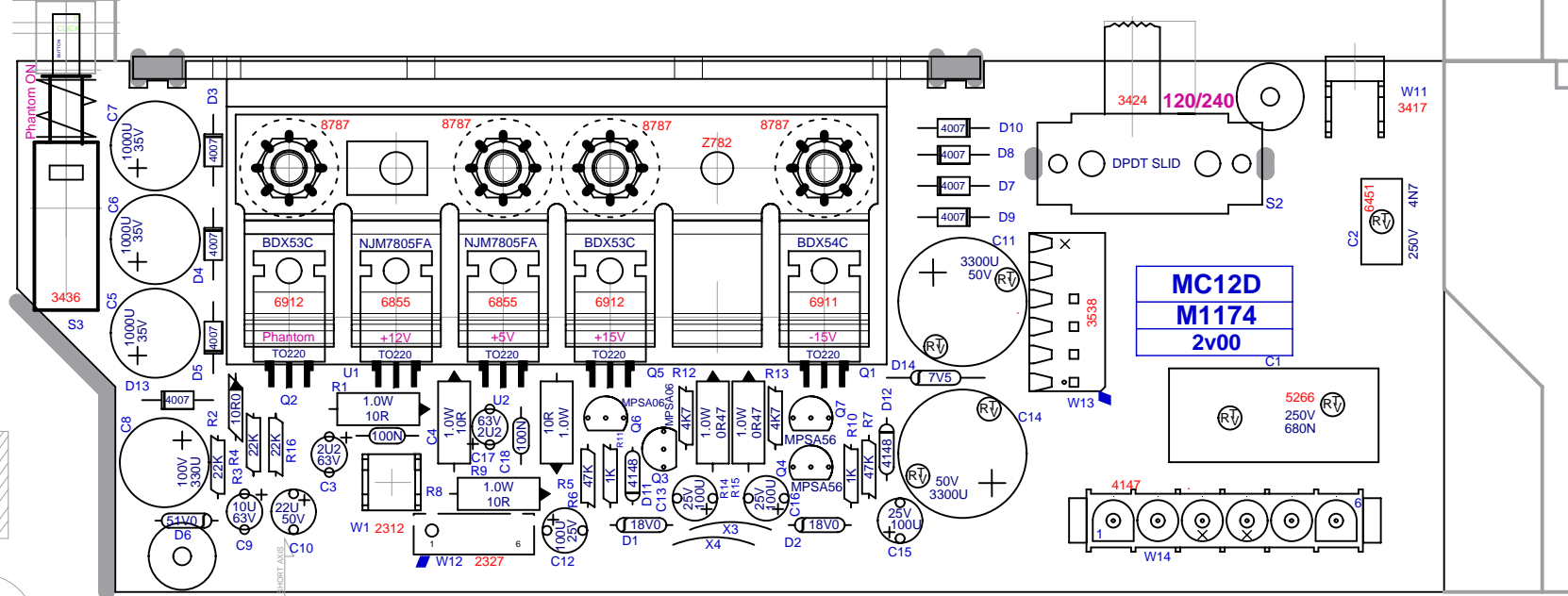


M1174 PRODUCTION NOTES

1. RTV MUST BE ADDED TO THE FOLLOWING CAPS
C11, C14, BETWEEN (C7,C6), (C6,C5), (C5,C8)

2. C1 IS 680N 250VAC FOR BOTH NORTH AMERICA AND CE





StepAndRepeat - X2@8.000Y3@2.975
 ClinchRepeats - X2@8.000Y3@2.975

Pcb Mech 2v00 M1174
 Top Assy 2v00 M1174



SEE LAYOUT DOCUMENTATION