

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

SERVICE MANUAL

PS12S•PS15S•PS18S

TYPE: YS1114

WORLD HEADQUARTERS
CANADA

Yorkville Sound
550 Granite Court
Pickering, Ontario
L1W-3Y8 CANADA

Voice: (905) 837-8481
Fax: (905) 837-8746

U.S.A.

Yorkville Sound Inc.
4625 Witmer Industrial Estate
Niagara Falls, New York
14305 USA

Voice: (716) 297-2920
Fax: (716) 297-3689

Quality and Innovation Since 1963

Printed in Canada

SMT Disclaimer

Due to the complex nature of the use of SMT installed components in Yorkville equipment, we highly caution all service technicians in attempting to repair or replace SMT factory installed components.

Many of these components may be glued prior to initial soldering.

Replacing SMT components requires expensive specialized de-soldering equipment and training.

Yorkville Sound will repair and replace defective SMT components to ensure proper quality assurance and installation is maintained.

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 choque



IEC 60417-5041

CAUTION *AVIS*

RISK OF ELECTRIC SHOCK DO NOT OPEN

RISQUE DE CHOC ELECTRIQUE NE PAS OUVRIR

Caution: hot surface
Attention: surface chaude



S2125A



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.

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.

THIS DEVICE IS FOR INDOOR USE ONLY!

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 or 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.

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'ENTRETIENT

CE PRODUIT EST POUR L'USAGE À L'INTÉREUR SEULEMENT

Veuillez Lire le Manuel: Il contient des informations qui devraient êtres 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 boite au cas ou 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 êtres prises afin d'eviter 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 attachements/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'appeil 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 lappareil est fourni de la propre ventilation. Ne procédez pas à l'installation près de source de chaleur tels que radiateurs, registre de chaleur, fours 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 connection extérieure doivent être effectivés 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.

IMPORTANT SAFETY INSTRUCTIONS (UL60065)



The 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 enclosure that may be of sufficient magnitude to constitute a risk of shock to persons



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 product

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. 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 prongs are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to 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.

WARNING:

- To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture and objects filled with liquids, such as vases, should not be placed on this apparatus.
- 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 or appliance coupler shall remain readily accessible.



Le symbole représentant un éclair avec une flèche à l'intérieur d'un triangle équilatéral est utilisé pour prévenir l'utilisateur de la présence d'une tension électrique dangereuse non isolée à l'intérieur de l'appareil. Cette tension est d'un niveau suffisamment élevé pour représenter un risque d'électrocution



Le symbole représentant un point d'exclamation à l'intérieur d'un triangle équilatéral, signale à l'utilisateur la présence d'instructions importantes relatives au fonctionnement et à l'entretien de l'appareil dans cette notice d'installation

1. Lisez ces instructions.
2. Conservez ces instructions.
3. Respecter tous les avertissements.
4. Suivez toutes les instructions.
5. N'utilisez pas l'appareil près de l'eau.
6. Nettoyer uniquement avec chiffon sec.
7. Ne bloquez pas les ouvertures de ventilation. Installer en suivant les instructions du fabricant.
8. Ne pas installer près des sources de chaleur telles que radiateurs, bouches de chaleur, four ou autres appareils (y compris les amplificateurs) produisant de la chaleur.
9. N'annulez pas l'objectif sécuritaire de la fiche polarisée ou de la tige de mise à la terre. Une fiche polarisée possède deux lames avec une plus large que l'autre. Une prise avec mise à la terre possède deux lames et une troisième tige. La lame large ou la troisième tige sont fournis pour votre sécurité. Si la fiche n'entre pas dans votre prise, consultez un électricien pour remplacer la prise obsolète.
10. Protéger le cordon d'alimentation des piétinements ou pincements en particulier près des fiches, des prises de courant et au point de sortie de l'appareil.
11. Utilisez uniquement les accessoires spécifiés par le fabricant.
12. Utiliser uniquement avec un charriot, stand, trépied ou une table spécifiée par le fabricant, ou vendus avec l'appareil.
13. Débranchez l'appareil durant un orage ou lorsqu'il reste inutilisé pendant de longues périodes de temps.
14. Confiez toute réparation à un technicien qualifié. Une réparation est nécessaire lorsque l'appareil a été endommagé de quelque façon que ce soit; comme lorsque le cordon d'alimentation ou la fiche est endommagé, lorsque du liquide a été renversé ou des objets sont tombés à l'intérieur, lorsque l'appareil a été exposé à la pluie ou l'humidité, ne fonctionne pas normalement, ou est tombé.

AVERTISSEMENT:

- Pour réduire les risques d'incendie ou de choc électrique, ne pas exposer cet appareil à la pluie ou à l'humidité et ne placez pas d'objets contenant des liquides, tels que des vases, sur l'appareil.
- Pour isoler totalement cet appareil de l'alimentation secteur, débranchez totalement son cordon d'alimentation du réceptacle CA.
- La prise du cordon d'alimentation ou du prolongateur, si vous en utilisez un comme dispositif de débranchement, doit rester facilement accessible

CAUTION

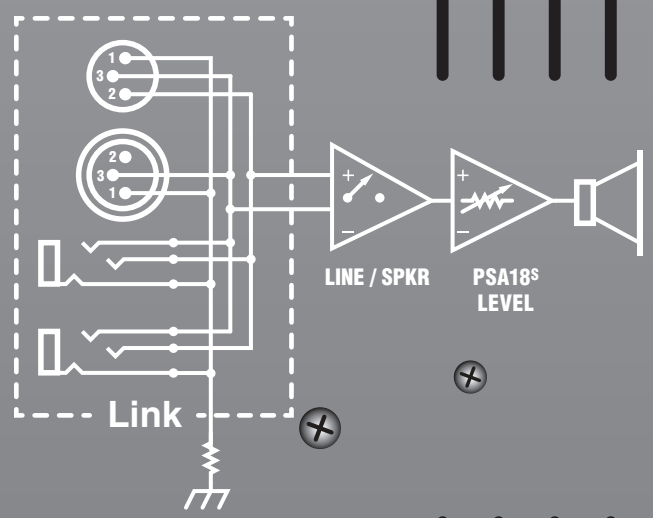
TO PREVENT ELECTRIC SHOCK HAZARD,
DO NOT CONNECT TO MAINS POWER SUPPLY
WHILE GRILLE IS REMOVED.

AVIS

POUR PRÉVENIR LES RISQUES D'ÉLECTROCUTION,
NE PAS RACCORDER A L'ALIMENTATION ÉLECTRIQUE ALORS
QUE LA GRILLE EST RETIRÉE.

PS18S

PARASOURCE SERIES



• NOTE: All Link connections function as Inputs or Outputs.



Yorkville

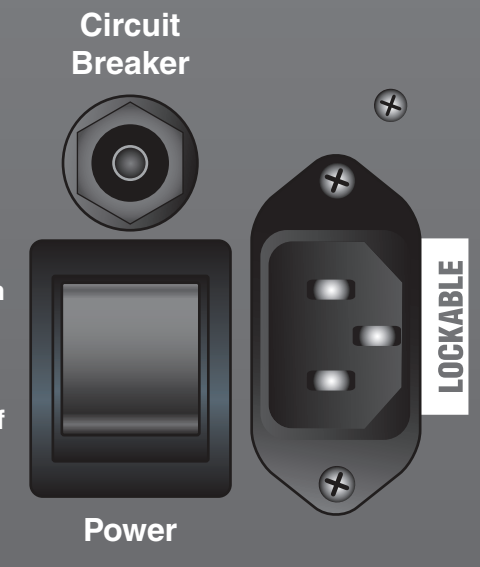
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CAUTION *AVIS*
RISK OF ELECTRIC SHOCK DO NOT OPEN
RISQUE DE CHOC ELECTRIQUE NE PAS OUVRIR

TYPE: YS1114 A-Z1601C / 1v2

230V~ 50Hz 1.5 A		120VAC 60Hz 3.0 A

DESIGNED & MANUFACTURED BY YORKVILLE SOUND • TORONTO, CANADA



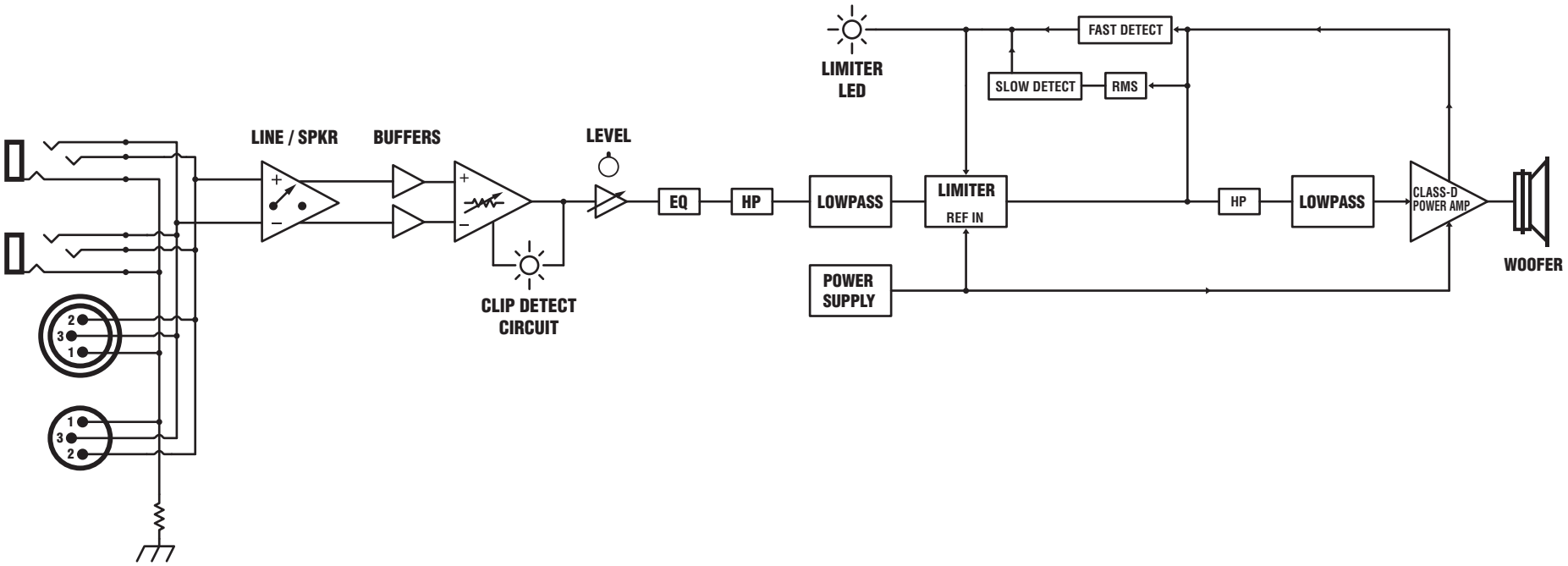
Specifications			
	PS12S	**PS15S**	**PS18S**
Active or Passive	Active	Active	Active
Program Power (Watts)	900 Watts Program (1800 Watts Peak)	1000 Watts Program (2000 Watts Peak)	1200 Watts Program (2400 Watts Peak)
Max SPL (dB)	129dB Peak (123dB Continuous)	132dB Peak (126dB Continuous)	135dB Peak (129dB Continuous)
Frequency Response (Hz +/- 3dB)	45Hz - 100Hz	45Hz-100Hz	45Hz-100Hz
Crossover Frequency (Hz)	fixed @ 100Hz	fixed @ 100Hz	fixed @ 100Hz
Driver Configuration	1x12-inch (Bass Reflex Cabinet)	1x15-inch (Bass Reflex Cabinet)	1x18-inch
LF Driver(s)	1x12-inch Long Throw Ceramic w/ 3-inch VoiceCoil	1x15-inch Long Throw Ceramic w/ 3-inch VoiceCoil	1x18-inch Ceramic w/ 4-inch VoiceCoil
Inputs	XLR Balanced Line Level Input	XLR Balanced Line Level Input	XLR Balanced Line Level Input
	¼-inch Line or Speaker Level Input	¼-inch Line or Speaker Level Input	¼-inch Line or Speaker Level Input
Outputs	XLR Balanced Link Output	XLR Balanced Link Output	XLR Balanced Link Output
	¼-inch Link Output	¼-inch Link Output	¼-inch Link Output
Controls	Output Level, Line/Speaker Level Switch	Output Level, Line/Speaker Level Switch	Output Level, Line/Speaker Level Switch
	Power/Limit/Clip LED's	Power/Limit/Clip LED's	Power/Limit/Clip LED's
Enclosure Materials	15mm Birch	15mm Birch	15mm Birch
Baffle Material	15mm Birch	15mm Birch	15mm Birch
Covering / Finish	Paint	Paint	Paint
Dimensions (DWH xbackW, inches)	22.8 x 14.7 x 16.85	24 x 17.4 x 20	22.25 x 21.25 x 32.25
Dimensions (DWH xbackW, cm)	57.9 x 37.4 x 42.8	61 x 44.2 x 50.8	56.5 x 54.0 x 81.9
Weight (lbs/kg)	65 / 29.6	82 / 37.3	111/50.5

**Specifications subject to change without notice*

Block Diagram for PS12s, PS15s & PS18s

DESIGNED & MANUFACTURED BY YORKVILLE SOUND

MODEL TYPE:YS1114

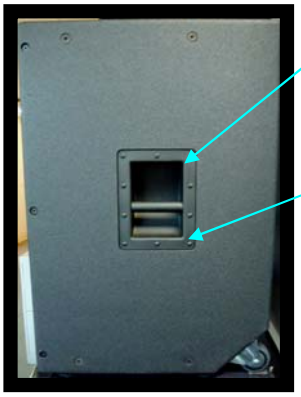


PS18S

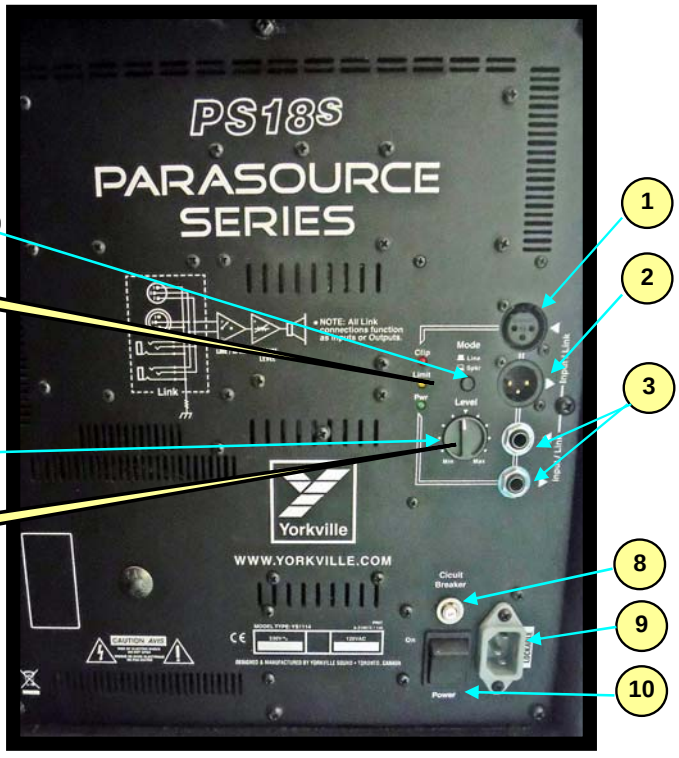
PARASOURCE SERIES

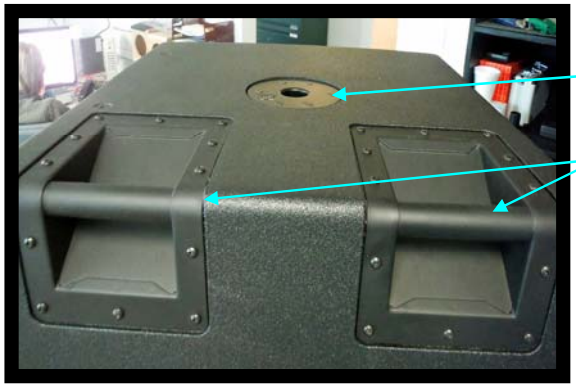
#	Part#	Description	qty
Labeled Components			
1	4010	XLR FEML PCB MT VERT 24MM AA-SERIES	1
2	4140	XLR MALE PCB MT VERT 24MM A-SERIES	1
3	4063	1/4IN ISO JCK PCMT VT STER RT SWT	2
4	3522	DPDT MINI PC VERT SNP ALT	1
5	8637	ROUND PUSH BUTTON 1/4" BLK 24MM	1
6	2339	_10K B LIN 12MM DUAL 21DET P34	1
7	8653	LOW PROFILE POINTER AT 12 KNOB	1
8	2454	_5.00 AMP CIRCUIT BREAKER TE	1
9	4088	RECEPTACLE:V-LOCK INLET	1
10	4184	DPST ROKR SW QUIK 250" AC/PWR IEC6	1
11	8565	BAR HANDLE ALL METAL RECTANGULAR	3
12	9401SS	#10 X 3/4 SS PAN PH TYPE A BO&W	54
13	8206	YORKVILLE LOGO METALPHOTO	1
14	9170	STAND ADAPTER CAST	1
15	8551	BAR HANDLE RIGHT ANGLE TOP LOAD	2
16	9970	RIGID CASTER	2













PS12S Parts List 9/11/2015

YS #	Description	Qty.	YS #	Description	Qty.	YS #	Description	Qty.
2306	FOD816 4PINDIP ACINPUT OPTOCOUPLER	1	8801	6-32X3/8 PAN PH TAPTITE JS500	8			
2307	IRGP35B60PDPBF T0247 NPN IGBT TM	2	8811	#6X1X1/4 FLAT HD SQ SCKT WS ZN	16			
2328	8 CIR XH-HEADER 0.098IN	1	8818	3/4ODX3/8IDX.080 THICK WASHER	1			
2339	_10K B LIN 12MM DUAL 21DET P34	1	8823	6-32X1 PAN PH TAPTITE JS50C	22			
2344	8 CIR XH-HEADER RA 0.098IN	1	8827	4-40 X 1/2" FLAT PH TAPTITE BO&W	4			
2455	METAL HEX NUT 3/8-24 (USE W/ 2454)	3	8829	6-32X3/8 FLAT PH TAPTITE BO#C	1			
3008	3P 18 AWG 25'AC LINE CORD	1	8837	6-32X1/2 ROUND PH MS JS500	2			
3036	PATCH 08 22AWG 09.0 XH FLAT	1	8898	1/4-20 CAGE NUT	4			
3501	#4 B52200F006 COMP WASH SMALL	2	8902	4-40X3/4 PAN PHIL MS B/O & WAX	2			
3522	DPDT MINI PC VERT SNP ALT	1	8926	5/16-18X3 CARRIAGE BOLT BLACK	1			
3538	24 PIN BREAKAWAY LOCK .156	0.167	9001	4-40X5/16 PAN PH MS ZN C/W STAR	6			
3543	16 PIN BREAKAWAY RA 90 LOCK .156	0.5	9170	STAND ADAPTER CAST	3			
3558	TERM HOUSING 4 CIR .156/RAMP	3	9931	6-32 NYLON INSERT LOCK NUT	21			
3576	SOCKET TERMINAL 14-20 AWG TAPE/REEL	14	9977	5/16-18 NYLON INSERT LOK NUT ZN CLR	1			
3601	RING TERMINAL 16AWG WIRE & #8 SCREW	11	6497CORE	77111-A7 KOOL MU POWDER CORES	1			
3749	3/8X.170ID.31OD NYLON SPACER	12	9401SS	#10X3/4 PAN PH TYPE A BO&W	20			
3810	4" NYLON CABLE TIE	5	9404SS	1/4-20X23MM SS JOINT CONN BOLT BO	4			
4007	.9 LED CUSTOM SPACER	3	9407SS	1/4-20X1X3/4 SS FLAT PHIL MS BO&	6			
4063	1/4IN ISO JCK PCMT VT STER RT SWT	2	9414SS	10-32X1X1/4 PAN QUAD SS MS B.O.&	8			
4088	RECEPTACLE:V-LOCK INLET	1	9419SS	1/4-20X1X1/4 SS TRUSS PH MS B.O.&W	4			
4093	CONN PLUG 2 POS. .084" V-2 FEMALE	1	CH1417U	XFMR: NX55P-2,PS12S/15S/18S	1			
4140	XLR MALE PCB MT VERT 24MM A-SERIES	2						
4146	3 PIN POWER PIN HEADER MALE POLZED	1						
4147	6 PIN POWER PIN HEADER MALE POLZED	2						
4151	4 PIN POWER PIN HEADER MALE POLZED	1						
4162	2 PIN POWER PIN HEADER MALE POLZED	1						
4181	TO220 THERMO PAD CERAMIC .080 THK	6						
4184	DPST ROKR SW QUIK 250" AC/PWR IEC6	1						
4768	5W00 12K 5% BLK RES	1						
5204	_10N 100V 10%CAP T&R RAD .2FLM	1						
5212	100N 63V 5%CAP T&R RAD .2FLM	4						
5212	100N 63V 5%CAP T&R RAD .2FLM	2						
5213	__1N 630V 5%CAP T&R RAD PRO.□2FM	1						
5213	__1N 630V 5%CAP T&R RAD PRO.□2FM	1						
5222	_33N 100V 10%CAP T&R RAD .2FLM	4						
5224	_47N 100V 10%CAP T&R RAD .2FLM	1						
5226	_68N 100V 5%CAP T&R RAD .2FLM	1						
5231	220N 63V 5%CAP T&R RAD .2FLM	1						
5231	220N 63V 5%CAP T&R RAD .2FLM	1						
5234	470N 63V 10%CAP T&R RAD .2FLM	6						
5242	100N 250V 20%CAP BLK 'X2' 15MM AC	1						
5255	__1U 63V 20%CAP T&R RAD .2EL	2						
5257	__2U2 63V 20%CAP T&R RAD .2EL	1						
5259	__4U7 63V 20%CAP T&R RAD .2	2						
5260	_22U 50V 20%CAP T&R RAD .2EL	1						
5265	_68U 25V 20%CAP T&R RAD .2EL	2						
5266	680N 250V 20%CAP BLK 'X2' 27MM AC	1						
5282	_10U 16V 20%CAP T&R 5X7MM .2NP	1						
5887	2200U 50V 20%CAP BLK 18X27MM EL	2						
5935	3300U 200V 10%CAP BLK 40X60MM 4PS	2						
5951	__3U3 450DC10%CAP BLK MPOLYP FLM	1						
5961	_33U 16V 20%CAP T&R RAD .2IN NP	1						
5962	__2U2 140AC10%CAP BLK RAD POLYP FLM	2						
5972	680N 400V 5%CAP BLK RAD POLY FLM	2						
6400	YEL 3MM LED 2V1 20MA DIFFUSD	1						
6405	RED 3MM LED 2V1 20MA DIFFUSD	1						
6408	GRN 3MM LED 2V2 20MA DIFFUSD	1						
6492	1300UH COIL COMMON MODE 4AMP	1						
6497	_304UH CHOKE 95T18AWG/77111MAGNTKS	1						
6543	48R 265V RESETTABLE THERMISTOR PTC	1						
6586	IRS21844PBF IC HILO FET DRIVER	1						
6775	BRIDGE 25A 600V WIRE LEAD SIP	1						
6872	MC7815CT TO220 P 15V0 REG V1	2						
7545	12" 4R 600WPGM SPKR	1						
8206	YORKVILLE LOGO METALPHOTC	1						
8387	PS NEO SC41 1/16" X 0.5" X 100' ROL	9						
8482	3/8 1D FLAT WASHER	2						
8485	#6 SPLIT WASHER ZINC	3						
8545	RECESSED RUBBER BUMPER WITH WASHER	4						
8602	1/4-20 T NUT	10						
8604	10-32 T NUT	16						
8653	LOW PROFILE POINTER AT 12 KNOB	2						
8657	6-32X3/8 ALUM HEX SPACER	1						
8665	.5X.145ID.25OD ALUM SPACER	4						
8667	.229X1/8L SHOULDER WASHER	2						
8681	4-40X.94 ALUM HEX SPACER	3						
8701	4-40 KEPS NUT ZINC	4						
8741	4-40X1/2 PAN PH MS JS500	2						
8786	10-32X1X1/4 PAN QD MS JS500 BLAC	8						
8800	6-32 KEPS NUT ZINC	2						

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YS #	Description	Qty.	YS #	Description	Qty.	YS #	Description	Qty.
5213	__1N 630V 5%CAP T&R RAD PRO.□2FM	1	8811	#6X1X1/4 FLAT HD SQ SCKT WS ZN	20			
5213	__1N 630V 5%CAP T&R RAD PRO.□2FM	1	9401SS	#10X3/4 PAN PH TYPE A BO&W	20			
6451	__4N7 250V 20%CAP BLK 'Y' 10MM AC	1	8786	10-32X1X1/4 PAN QD MS JS500 BLAC	8			
5204	_10N 100V 10%CAP T&R RAD .2FLM	1	9414SS	10-32X1X1/4 PAN QUAD SS MS B.O.&	16			
5222	_33N 100V 10%CAP T&R RAD .2FLM	4	9404SS	1/4-20X23MM SS JOINT CONN BOLT BO	4			
5224	_47N 100V 10%CAP T&R RAD .2FLM	1	9419SS	1/4-20X1X1/4 SS TRUSS PH MS B.O.&W	4			
5226	_68N 100V 5%CAP T&R RAD .2FLM	1	9407SS	1/4-20X1X3/4 SS FLAT PHIL MS BO&	6			
5212	100N 63V 5%CAP T&R RAD .2FLM	4	8926	5/16-18X3 CARRIAGE BOLT BLACK	1			
5212	100N 63V 5%CAP T&R RAD .2FLM	2	4088	RECEPTACLE:V-LOCK INLET	1			
5242	100N 250V 20%CAP BLK 'X2' 15MM AC	1	3749	3/8X.170ID.31OD NYLON SPACER	12			
5231	220N 63V 5%CAP T&R RAD .2FLM	1	8665	.5X.145ID.25OD ALUM SPACER	4			
5231	220N 63V 5%CAP T&R RAD .2FLM	1	8681	4-40X.94 ALUM HEX SPACER	3			
5234	470N 63V 10%CAP T&R RAD .2FLM	6	8657	6-32X3/8 ALUM HEX SPACER	1			
5972	680N 400V 5%CAP BLK RAD POLY FLM	2	4007	.9 LED CUSTOM SPACER	3			
5266	680N 250V 20%CAP BLK 'X2' 27MM AC	1	7571	15" 8R 1000WPGM SPEAKER	1			
5255	__1U 63V 20%CAP T&R RAD .2EL	2	8667	.229X1/8L SHOULDER WASHER	2			
5257	__2U2 63V 20%CAP T&R RAD .2EL	1	8482	3/8 1D FLAT WASHER	2			
5962	_2U2 140AC10%CAP BLK RAD POLYP FLM	2	3501	#4 B52200F006 COMP WASH SMALL	2			
5951	_3U3 450DC10%CAP BLK MPOLYP FLM	1	8485	#6 SPLIT WASHER ZINC	3			
5259	__4U7 63V 20%CAP T&R RAD .2	2	8818	3/4ODX3/8IDX.080 THICK WASHER	1			
5282	_10U 16V 20%CAP T&R 5X7MM .2NP	1	3522	DPDT MINI PC VERT SNP ALT	1			
5260	_22U 50V 20%CAP T&R RAD .2EL	1	4184	DPST ROKR SW QUIK 250" AC/PWR IEC6	1			
5961	_33U 16V 20%CAP T&R RAD .2IN NP	1	CH1417U	XFMR: NX55P-2,PS12S/15S/18S	1			
5265	_68U 25V 20%CAP T&R RAD .2EL	2	8387	PS NEO SC41 1/16" X 0.5" X 100' ROL	13.5			
5887	2200U 50V 20%CAP BLK 18X27MM EL	2						
5935	3300U 200V 10%CAP BLK 40X60MM 4PS	2						
2339	_10K B LIN 12MM DUAL 21DET P34	1						
6405	RED 3MM LED 2V1 20MA DIFFUSD	1						
6400	YEL 3MM LED 2V1 20MA DIFFUSD	1						
6408	GRN 3MM LED 2V2 20MA DIFFUSD	1						
6775	BRIDGE 25A 600V WIRE LEAD SIP	1						
6872	MC7815CT TO220 P 15V0 REG V1	2						
2307	IRGP35B60PDPBF T0247 NPN IGBT TM	2						
6586	IRS21844PBF IC HILO FET DRIVER	1						
2306	FOD816 4PINDIP ACINPUT OPTOCOUPLER	1						
6543	48R 265V RESETTABLE THERMISTOR PTC	1						
2455	METAL HEX NUT 3/8-24 (USE W/ 2454)	3						
M1595BLANK	2_OZ 2SD 69.13SQIN 01PER PSSUBS	1						
6497	_304UH CHOKE 95T18AWG/77111MAGNTKS	1						
6492	1300UH COIL COMMON MODE 4AMP	1						
8545	RECESSED RUBBER BUMPER WITH WASHER	4						
3601	RING TERMINAL 16AWG WIRE & #8 SCREW	9						
4063	1/4IN ISO JCK PCMT VT STER RT SWT	2						
4140	XLR MALE PCB MT VERT 24MM A-SERIES	2						
2328	8 CIR XH-HEADER 0.098IN	1						
2344	8 CIR XH-HEADER RA 0.098IN	1						
3036	PATCH 08 22AWG 09.0 XH FLAT	1						
9170	STAND ADAPTER CAST	3						
9877	METAL GRILL CLOTH BACKING 72" WIDE	3.9						
3810	4" NYLON CABLE TIE	5						
3558	TERM HOUSING 4 CIR .156/RAMP	3						
3543	16 PIN BREAKAWAY RA 90 LOCK .156	0.5						
3538	24 PIN BREAKAWAY LOCK .156	0.167						
4093	CONN PLUG 2 POS. .084" V-2 FEMALE	1						
4162	2 PIN POWER PIN HEADER MALE POLZED	1						
4146	3 PIN POWER PIN HEADER MALE POLZED	1						
4151	4 PIN POWER PIN HEADER MALE POLZED	1						
4147	6 PIN POWER PIN HEADER MALE POLZED	2						
3576	SOCKET TERMINAL 14-20 AWG TAPE/REEL	14						
8653	LOW PROFILE POINTER AT 12 KNOB	2						
3008	3P 18 AWG 25'AC LINE CORD	1						
6497CORE	77111-A7 KOOL MU POWDER CORES	1						
8206	YORKVILLE LOGO METALPHOTO	1						
8701	4-40 KEPS NUT ZINC	4						
8800	6-32 KEPS NUT ZINC	2						
9931	6-32 NYLON INSERT LOCK NUT	21						
8604	10-32 T NUT	16						
8602	1/4-20 T NUT	10						
8898	1/4-20 CAGE NUT	4						
9977	5/16-18 NYLON INSERT LOK NUT ZN CLR	1						
4181	TO220 THERMO PAD CERAMIC .080 THK	6						
4768	5W00 12K 5% BLK RES	1						
9001	4-40X5/16 PAN PH MS ZN C/W STAR	6						
8741	4-40X1/2 PAN PH MS JS500	2						
8827	4-40 X 1/2" FLAT PH TAPTITE BO&W	4						
8902	4-40X3/4 PAN PHIL MS B/O & WAX	2						
8801	6-32X3/8 PAN PH TAPTITE JS500	8						
8829	6-32X3/8 FLAT PH TAPTITE BO#C	1						
8837	6-32X1/2 ROUND PH MS JS500	2						
8823	6-32X1 PAN PH TAPTITE JS500	22						

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YS #	Description	Qty.	YS #	Description	Qty.	YS #	Description	Qty.
2306	FOD816 4PINDIP ACINPUT OPTOCOUPLER	1	8801	6-32X3/8 PAN PH TAPTITE JS500	8			
2307	IRGP35B60PDPBF T0247 NPN IGBT TM	2	8811	#6X1X1/4 FLAT HD SQ SCKT WS ZN	20			
2328	8 CIR XH-HEADER 0.098IN	1	8818	3/4ODX3/8IDX.080 THICK WASHER	1			
2339	_10K B LIN 12MM DUAL 21DET P34	1	8823	6-32X1 PAN PH TAPTITE JS500	22			
2344	8 CIR XH-HEADER RA 0.098IN	1	8827	4-40 X 1/2" FLAT PH TAPTITE BO&W	4			
2455	METAL HEX NUT 3/8-24 (USE W/ 2454)	3	8829	6-32X3/8 FLAT PH TAPTITE BO#C	1			
3008	3P 18 AWG 25'AC LINE CORD	1	8837	6-32X1/2 ROUND PH MS JS500	2			
3036	PATCH 08 22AWG 09.0 XH FLAT	1	8898	1/4-20 CAGE NUT	6			
3501	#4 B52200F006 COMP WASH SMALL	2	8902	4-40X3/4 PAN PHIL MS B/O & WAX	2			
3522	DPDT MINI PC VERT SNP ALT	1	8926	5/16-18X3 CARRIAGE BOLT BLACK	1			
3538	24 PIN BREAKAWAY LOCK .156	0.167	9001	4-40X5/16 PAN PH MS ZN C/W STAR	6			
3543	16 PIN BREAKAWAY RA 90 LOCK .156	0.5	9170	STAND ADAPTER CAST	6			
3558	TERM HOUSING 4 CIR .156/RAMP	3	9877	METAL GRILL CLOTH BACKING 72" WIDE	4.53			
3576	SOCKET TERMINAL 14-20 AWG TAPE/REEL	14	9931	6-32 NYLON INSERT LOCK NUT	21			
3601	RING TERMINAL 16AWG WIRE & #8 SCREW	9	9970	RIGID CASTER	6			
3749	3/8X.170ID.31OD NYLON SPACER	12	9977	5/16-18 NYLON INSERT LOK NUT ZN CLR	1			
3810	4" NYLON CABLE TIE	5	6497CORE	77111-A7 KOOL MU POWDER CORES	1			
4007	.9 LED CUSTOM SPACER	3	9401SS	#10X3/4 PAN PH TYPE A BO&W	54			
4063	1/4IN ISO JCK PCMT VT STER RT SWT	2	9404SS	1/4-20X23MM SS JOINT CONN BOLT BO	6			
4088	RECEPTACLE:V-LOCK INLET	1	9407SS	1/4-20X1X3/4 SS FLAT PHIL MS BO&	6			
4093	CONN PLUG 2 POS. .084" V-2 FEMALE	1	9414SS	10-32X1X1/4 PAN QUAD SS MS B.O.&	8			
4140	XLR MALE PCB MT VERT 24MM A-SERIES	2	9419SS	1/4-20X1X1/4 SS TRUSS PH MS B.O.&W	12			
4146	3 PIN POWER PIN HEADER MALE POLZED	1	CH1417U	XFMR: NX55P-2,PS12S/15S/18S	1			
4147	6 PIN POWER PIN HEADER MALE POLZED	2	POPLABEL	4"X5" POLYJET LABEL W/PERM ADHESIVE	1			
4151	4 PIN POWER PIN HEADER MALE POLZED	1						
4162	2 PIN POWER PIN HEADER MALE POLZED	1						
4181	TO220 THERMO PAD CERAMIC .080 THK	6						
4184	DPST ROKR SW QUIK 250" AC/PWR IEC6	1						
4768	5W00 12K 5% BLK RES	1						
5204	_10N 100V 10%CAP T&R RAD .2FLM	1						
5212	100N 63V 5%CAP T&R RAD .2FLM	4						
5212	100N 63V 5%CAP T&R RAD .2FLM	2						
5213	__1N 630V 5%CAP T&R RAD PRO.□2FM	1						
5213	__1N 630V 5%CAP T&R RAD PRO.□2FM	1						
5222	_33N 100V 10%CAP T&R RAD .2FLM	4						
5224	_47N 100V 10%CAP T&R RAD .2FLM	1						
5226	_68N 100V 5%CAP T&R RAD .2FLM	1						
5231	220N 63V 5%CAP T&R RAD .2FLM	1						
5231	220N 63V 5%CAP T&R RAD .2FLM	1						
5234	470N 63V 10%CAP T&R RAD .2FLM	6						
5242	100N 250V 20%CAP BLK 'X2' 15MM AC	1						
5255	__1U 63V 20%CAP T&R RAD .2EL	2						
5257	__2U2 63V 20%CAP T&R RAD .2EL	1						
5259	__4U7 63V 20%CAP T&R RAD .2	2						
5260	_22U 50V 20%CAP T&R RAD .2EL	1						
5265	_68U 25V 20%CAP T&R RAD .2EL	2						
5266	680N 250V 20%CAP BLK 'X2' 27MM AC	1						
5282	_10U 16V 20%CAP T&R 5X7MM .2NP	1						
5887	2200U 50V 20%CAP BLK 18X27MM EL	2						
5935	3300U 200V 10%CAP BLK 40X60MM 4PS	2						
5951	__3U3 450DC10%CAP BLK MPOLYP FLM	1						
5961	_33U 16V 20%CAP T&R RAD .2IN NP	1						
5962	__2U2 140AC10%CAP BLK RAD POLYP FLM	2						
5972	680N 400V 5%CAP BLK RAD POLY FLM	2						
6400	YEL 3MM LED 2V1 20MA DIFFUSD	1						
6405	RED 3MM LED 2V1 20MA DIFFUSD	1						
6408	GRN 3MM LED 2V2 20MA DIFFUSD	1						
6451	__4N7 250V 20%CAP BLK 'Y' 10MM AC	1						
6492	1300UH COIL COMMON MODE 4AMP	1						
6497	_304UH CHOKE 95T18AWG/77111MAGNTKS	1						
6543	48R 265V RESETTABLE THERMISTOR PTC	1						
6586	IRS21844PBF IC HILO FET DRIVER	1						
6775	BRIDGE 25A 600V WIRE LEAD SIP	1						
6872	MC7815CT TO220 P 15V0 REG V1	2						
7460	18" 4R 1200WPGM SPEAKER DCR3.9R	1						
8206	YORKVILLE LOGO METALPHOTC	1						
8387	PS NEO SC41 1/16" X 0.5" X 100' ROL	16.25						
8482	3/8 1D FLAT WASHER	2						
8485	#6 SPLIT WASHER ZINC	3						
8602	1/4-20 T NUT	18						
8604	10-32 T NUT	16						
8653	LOW PROFILE POINTER AT 12 KNOB	2						
8657	6-32X3/8 ALUM HEX SPACER	1						
8665	.5X.145ID.25OD ALUM SPACER	4						
8667	.229X1/8L SHOULDER WASHER	2						
8681	4-40X.94 ALUM HEX SPACER	3						
8701	4-40 KEPS NUT ZINC	4						
8741	4-40X1/2 PAN PH MS JS500	2						
8786	10-32X1X1/4 PAN QD MS JS500 BLAC	8						
8800	6-32 KEPS NUT ZINC	2						

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REF	YS #	Description	REF	YS #	Description	REF	YS #	Description
C200		100N 25V 10%CAP 0805 SMT X7R	Q200		MMBTA92 PNP SOT-23 SMT	W304	4146	3 PIN POWER PIN HEADER MALE POLZED
C202		100N 25V 10%CAP 0805 SMT X7R	Q201		MMBF4391LT1 NCH JFET SOT-23 SMT T&R	W306	4147	6 PIN POWER PIN HEADER MALE POLZED
C203		100N 25V 10%CAP 0805 SMT X7R	Q203	2307	IRGP35B60PDPBF T0247 NPN IGBT TM	W307	4151	4 PIN POWER PIN HEADER MALE POLZED
C204		100N 25V 10%CAP 0805 SMT X7R	Q204		MMBTA92 PNP SOT-23 SMT	W401	3543	16 PIN BREAKAWAY RA 90 LOCK .156
C205		100N 25V 10%CAP 0805 SMT X7R	Q205	2307	IRGP35B60PDPBF T0247 NPN IGBT TM	W402	3543	16 PIN BREAKAWAY RA 90 LOCK .156
C206		100N 25V 10%CAP 0805 SMT X7R	R200		W125 10R0 1% 0805 SMT RES	ZD200		MM3Z18VT1G 18V0 0W2 5% SMT ZEN
C207		100N 25V 10%CAP 0805 SMT X7R	R201	4768	5W00 12K 5% BLK RES			
C208		100N 25V 10%CAP 0805 SMT X7R	R202		W125 10R0 1% 0805 SMT RES			
C209		100N 25V 10%CAP 0805 SMT X7R	R203		W100 10K0 1% 0805 SMT RES			
C210		100N 25V 10%CAP 0805 SMT X7R	R204		W100 12K1 1% 0603 SMT RES			
C211		100N 25V 10%CAP 0805 SMT X7R	R206		W125 100K 5% 0805 SMT RES			
C212		100N 25V 10%CAP 0805 SMT X7R	R207		W125 2K2 5% 0805 SMT RES			
C213		680P 50V 5%CAP SMT C0G	R208		W100 1M0 1% 0805 SMT RES			
C214	5257	__2U2 63V 20%CAP T&R RAD .2EL	R209		W125 100K 5% 0805 SMT RES			
C215	5254	__1U 63V 20%CAP T&R 4X7MM .2EL	R210		W100 6K98 1% 0805 SMT RES			
C216	5282	_10U 16V 20%CAP T&R 5X7MM .2NP	R212		W100 10K0 1% 0805 SMT RES			
C217		470P 50V 5%CAP 0603 SMT NPO	R213		W100 182K 1% 0805 SMT RES			
C218		__1N 50V 5%CAP 0805 SMT NPO	R214		W125 4K7 5% 0805 SMT RES			
C219	5972	680N 400V 5%CAP BLK RAD POLY FLM	R215		W125 47K5 1% 0805 SMT RES			
C220	5231	220N 63V 5%CAP T&R RAD .2FLM	R218		W125 4K7 5% 0805 SMT RES			
C221	5212	100N 63V 5%CAP T&R RAD .2FLM	R219		W125 470R 5% 0805 SMT RES			
C222	5951	__3U3 450DC10%CAP BLK MPOLYP FLM	R221		W125 470R 5% 0805 SMT RES			
C223	5962	__2U2 140AC10%CAP BLK RAD POLYP FLM	R222		W100 10K0 1% 0805 SMT RES			
C224	5255	__1U 63V 20%CAP T&R RAD .2EL	R223		W100 6K98 1% 0805 SMT RES			
C225		470P 50V 5%CAP 0603 SMT NPO	R224		W125 47R 5% 0805 SMT RES			
C226	5224	_47N 100V 10%CAP T&R RAD .2FLM	R225		W250 22R 5% 1206 SMT RES			
C227		100N 25V 10%CAP 0805 SMT X7R	R226		W125 4K7 5% 0805 SMT RES			
C228	5972	680N 400V 5%CAP BLK RAD POLY FLM	R227		W100 1M0 1% 0805 SMT RES			
C229	5213	__1N 630V 5%CAP T&R RAD PRO□2FM	R228		W250 10R 5% 1206 SMT RES			
C230		150P 100V 5%CAP 0805 SMTNPO	R229		W100 6K98 1% 0805 SMT RES			
C231		100N 25V 10%CAP 0805 SMT X7R	R230		W100 4K75 1% 0805 SMT RES			
C232	5260	_22U 50V 20%CAP T&R RAD .2EL	R231		W100 1K0 1% 0805 SMT RES			
C233		100N 25V 10%CAP 0805 SMT X7R	R232		W100 1K0 1% 0805 SMT RES			
C234		100N 25V 10%CAP 0805 SMT X7R	R233		W100 6K98 1% 0805 SMT RES			
C235		_10U 10V 20%CAP 0805 SMT Y5V	R234		W100 182K 1% 0805 SMT RES			
C236		100N 25V 10%CAP 0805 SMT X7R	R235		W125 2K2 5% 0805 SMT RES			
C237		__1U 25V 20%CAP 1206 SMT X7R	R236		W100 6K98 1% 0805 SMT RES			
C238		__4U7 50V 10%CAP 1210 SMT CER	R237		1W00 1R0 5% 2512 SMT RES			
C239	5270	__2U2 250V 20%CAP BLK RAD .1EL	R238		W100 100R 1% 0805 SMT RES			
C241		__4U7 50V 10%CAP 1210 SMT CER	R239		W100 2K74 1% 0805 SMT RES			
C242		_10U0 16V 10%CAP 1206 SMT X7R	R240		W125 470R 5% 0805 SMT RES			
C300	5909	3300U 220V 10%CAP BLK 40X65MM 4PS	R241		1W00 2R0 1% 2512 SMT RES			
C301	5212	100N 63V 5%CAP T&R RAD .2FLM	R242		2W00 0R1 5% 2512 SMT RES			
C302	5242	100N 250V 20%CAP BLK 'X2' 15MM AC	R243		2W00 0R1 5% 2512 SMT RES			
C303	5887	2200U 50V 20%CAP BLK 18X27MM EL	R244		2W00 0R1 5% 2512 SMT RES			
C304	5259	__4U7 63V 20%CAP T&R RAD .2	R245		2W00 0R1 5% 2512 SMT RES			
C305	5266	680N 250V 20%CAP BLK 'X2' 27MM AC	R246		2W00 0R1 5% 2512 SMT RES			
C306	5212	100N 63V 5%CAP T&R RAD .2FLM	R247		W125 1K50 1% 0805 SMT RES			
C307	5887	2200U 50V 20%CAP BLK 18X27MM EL	R248		1W00 2R0 1% 2512 SMT RES			
C308	5259	__4U7 63V 20%CAP T&R RAD .2	R249		W250 22R 5% 1206 SMT RES			
C309	6451	__4N7 250V 20%CAP BLK 'Y' 10MM AC	R250		W250 10R 5% 1206 SMT RES			
C310	5212	100N 63V 5%CAP T&R RAD .2FLM	R251		W125 1K50 1% 0805 SMT RES			
C311	5909	3300U 220V 10%CAP BLK 40X65MM 4PS	R252		W100 1M0 1% 0805 SMT RES			
D200		CDSF4148 75V 0A15 1005 SMT	R255		W125 82K5 1% 0805 SMT RES			
D201		BZX84C22 22V0 0W3 5% SMT ZEN	R256		W125 82K5 1% 0805 SMT RES			
D203		BAT54 SOT-23 SMT SCHTKY	R257		W125 4K7 5% 0805 SMT RES			
D204		ES1H 500V 1A0 D214 SMT SMC	R258		W100 20K5 1% 0805 SMT RES			
D205		ES1H 500V 1A0 D214 SMT SMC	R259		W100 182K 1% 0805 SMT RES			
D206		BAT54 SOT-23 SMT SCHTKY	R260		470K 5% THERMISTOR NTC 0805 SMT			
D207		CDSF4148 75V 0A15 1005 SMT	R261		W100 274K 1% 0805 SMT RES			
D208		ES1H 500V 1A0 D214 SMT SMC	R262		W100 274K 1% 0805 SMT RES			
D209		BZX84C43 43V0 0W3 5% SMT ZEN	R263		W100 13K 1% 0805 SMT RES			
D210		MURA240T3 400V 2A 403D SMT	R264		W125 1K62 1% 0805 SMT RES			
D211		MURA240T3 400V 2A 403D SMT	R265		W250 330R 5% 1206 SMT RES			
D212		ES1H 500V 1A0 D214 SMT SMC	R301		1W00 1K8 5% 2512 SMT RES			
D300	6775	BRIDGE 25A 600V WIRE LEAD SIP	U200	2306	FOD816 4PINDIP ACINPUT OPTOCOUPLER			
D301		ES1H 500V 1A0 D214 SMT SMC	U201		LM311 COMPARATOR IC SMT SO-8			
D302		MURS120T3 200V 1A DIO DO214AA SMT	U202		LM311 COMPARATOR IC SMT SO-8			
D304		ES1H 500V 1A0 D214 SMT SMC	U203	6586	IRS21844PBF IC HILO FET DRIVER			
D305		MURS120T3 200V 1A DIO DO214AA SMT	U204		33078 DUAL OPAMP SMT SO-8			
D306		MURS120T3 200V 1A DIO DO214AA SMT	U205		33078 DUAL OPAMP SMT SO-8			
D307		MURS120T3 200V 1A DIO DO214AA SMT	U206		TL331 COMPARATOR IC SMT SOT23			
F301		FUSE SLOW 7A 125V SMT 6125	U207		LNK302G OFFLINE SWITCH SMT SMD8B			
F302		FUSE SLOW 7A 125V SMT 6125	U302	6872	MC7815CT TO220 P 15V0 REG V1			
HS1	4181	TO220 THERMO PAD CERAMIC .080 THK	U303	6871	MC7915CT TO220 N 15V0 REG V2			
HS2	4181	TO220 THERMO PAD CERAMIC .080 THK	W201	2328	8 CIR XH-HEADER 0.098IN			
L200	6497	_304UH CHOKE 95T18AWG/77111MAGNTKS	W203	3538	24 PIN BREAKAWAY LOCK .156			
L202		1000UH 10% COIL 12MM SMT	W301	4147	6 PIN POWER PIN HEADER MALE POLZED			
L300	6492	1300UH COIL COMMON MODE 4AMP	W302	4162	2 PIN POWER PIN HEADER MALE POLZED			
L401		486UH COIL COMMON MODE 8A SMT	W303	3538	24 PIN BREAKAWAY LOCK .156			

SUBWOOFER AMP

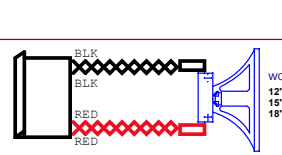
FROM INPUT PCB

+/-15V_MOD

SILENT ON/OFF

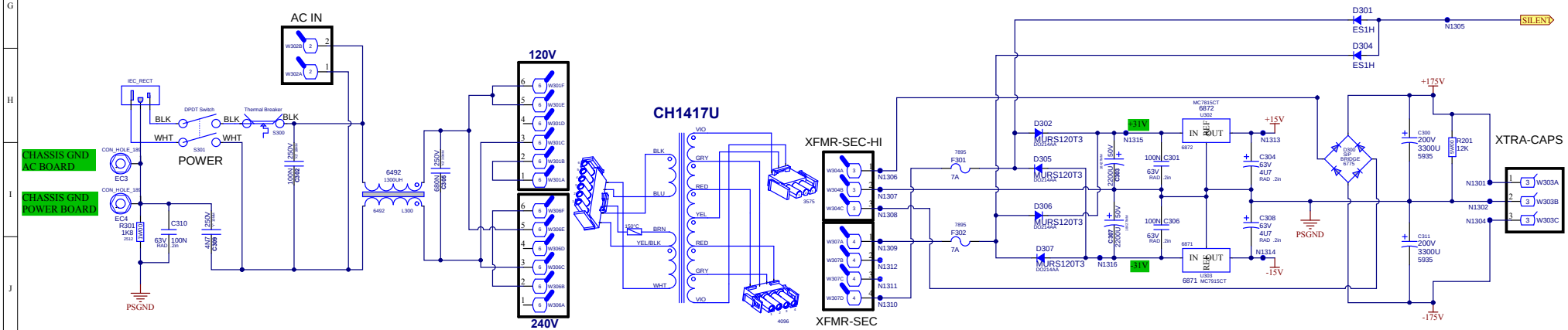
+15V_LS

Output Filter



Section: Woofer Amp			
Product(s): PS12S/PS15S/PS18S			
PCB# M1595	Rev# V01	BOM Rev# BOMRev1	Sheet 2 Of 4
Date Modified: 5/12/2015		Filename: Amp.SCHDOC	

POWER SUPPLY



Section:	Power Supply
Product(s):	PS12S/PS15S/PS18S
PCB# M1595	Rev# V01
BOM Rev# BOMR-Silent	Sheet 3 Of 4
Date Modified: 5/12/2015	Filename: Supply.SCHDOC

Yorkville

DESIGN HISTORY AND INFORMATION

CHANGE HISTORY

#	DATE	VER#	PC#	DESCRIPTION OF CHANGE
1	15-SEP-2014	V01	.	.
2	12-MAY-2015	.	#8785	Replace C300 and C311 from #5909 to #5935 GG
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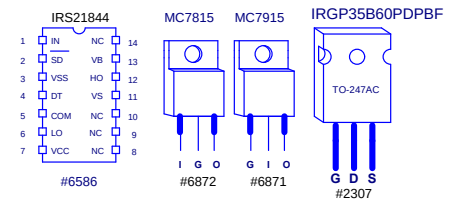
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POTENTIOMETERS AND KNOBS

POTENTIOMETERS AND KNOBS				
REF	FUNCTION	POT#	STYLE	KNOB#
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PINOUT DIAGRAMS

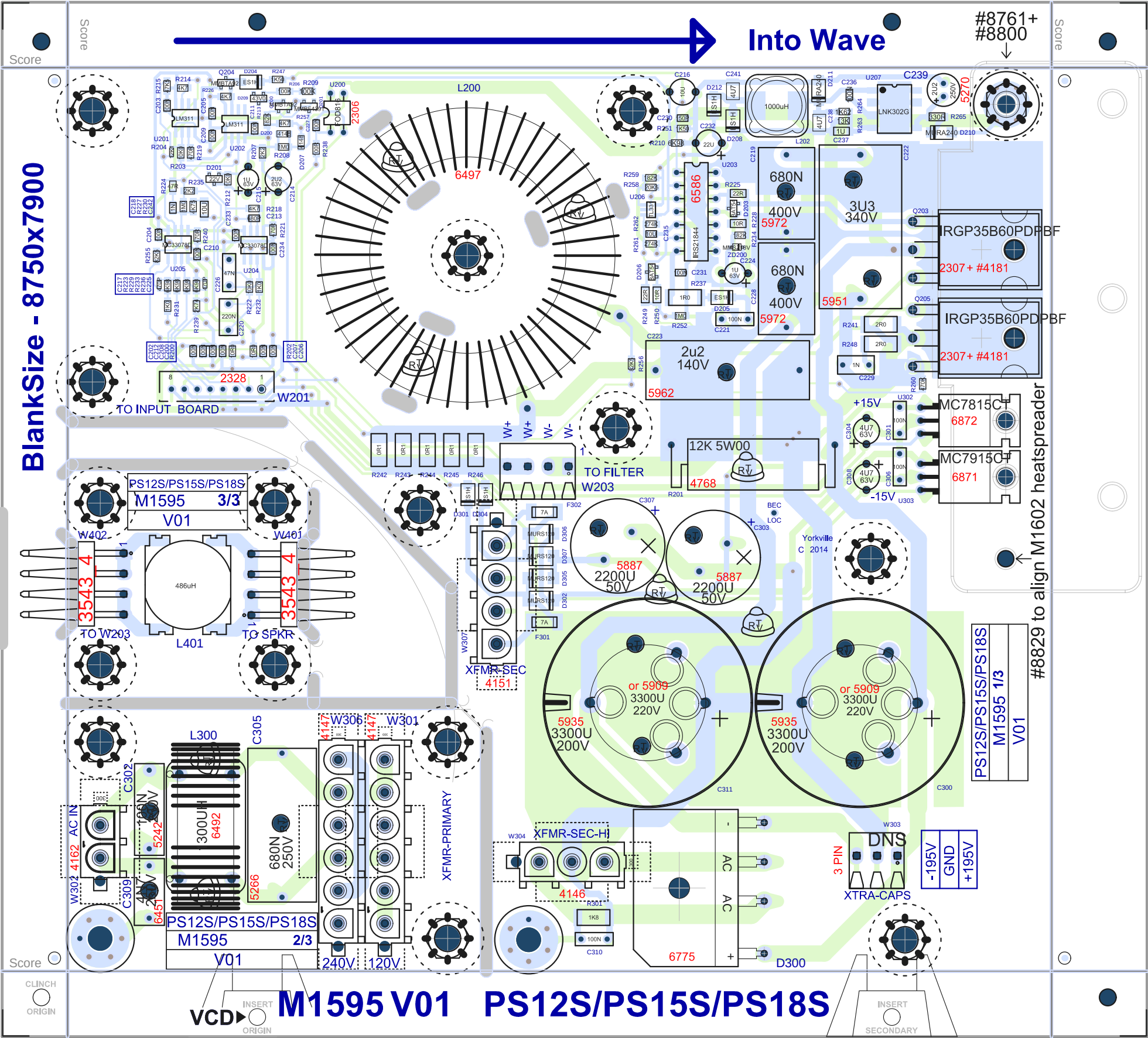
CASES AND PINS



THIS SHEET CONTAINS A CHANGE HISTORY LOG, A LIST OF THE POTS & KNOBS AND A LEADS & PINS REFERENCE SECTION.

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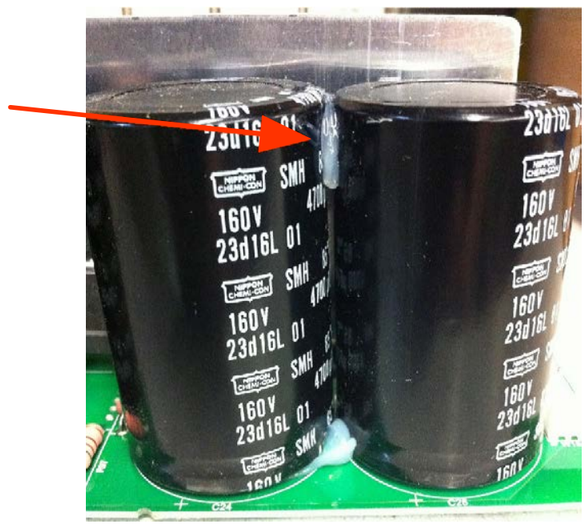
Section:	Design Information And History			
Product(s):	PS12S/PS15S/PS18S			
PCB#: M1595	Rev#: V01	EML Rev#: 04	Sheet 1	Of *
Modified: 5/12/2015	File: History.SchDoc		Tmp Rev: V028	


Into Wave
#8761+
#8800
BlankSize - 8750x7900
L200
6497
TO INPUT BOARD
W201
2328
TO FILTER
W203
12K 5W00
4768
IRGP35B60PDPBF
2307+ #4181
MC7815CT
6872
MC7915CT
6871
680N
400V
5972
3U3
340V
5951
2u2
140V
5962
1000uH
LNK302G
5270
IRS21844
6586
PS12S/PS15S/PS18S
M1595 3/3
V01
W402
W401
3543
486uH
L401
TO W203
TO SPKR
XFMR-SEC
4151
5887
2200U
50V
5935
3300U
200V
or 5909
3300U
220V
PS12S/PS15S/PS18S
M1595 1/3
V01
#8829 to align M1602 heatspreader
L300
C305
W306
W301
4147
XFMR-PRIMARY
AC IN
4162
5242
6492
5266
6451
PS12S/PS15S/PS18S
M1595 2/3
V01
240V
120V
XFMR-SEC-HI
4146
W304
6775
D300
W303
DNS
3 PIN
XTRA-CAPS
-195V
GND
+195V
CLINCH
ORIGIN
VCD
INSERT
ORIGIN
INSERT
SECONDARY
Score

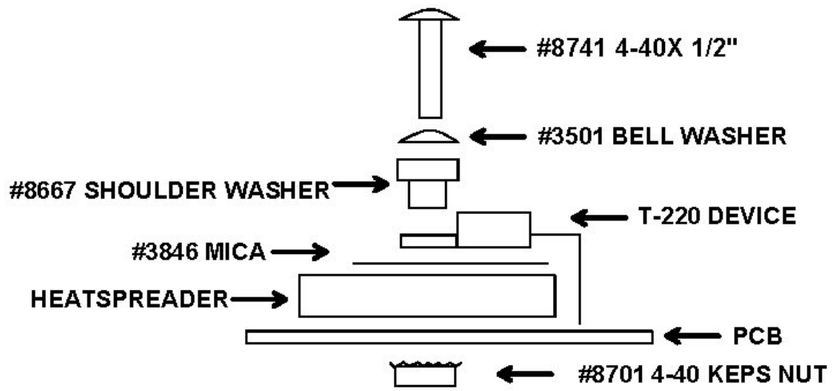
PCB ASSEMBLY DOCUMENTATION

SPECIAL PRODUCTION NOTES

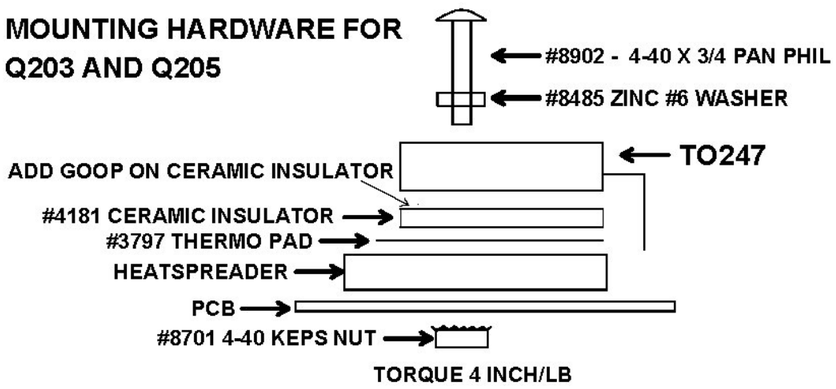
1. PCBSA: ADD RTV BETWEEN C300 AND C311 AS SHOWN HERE.
2. PCBSA: U200 AND U203 ARE HAND INSERTED.
3. PCBSA: ASSEMBLY HEATSINK
   First install #8829 screw to align heatspreader Z1602
   then install all devices.
   After that install #8800 and #8761 for grounding. NUT UP.
4. PCBSA: D300
   Use #8837 screw and #3511 washer with #8800 nut.
   Install with the NUT UP on the bridge.



MOUTING HARDWARE FOR U302 AND U303



MOUNTING HARDWARE FOR Q203 AND Q205



TORQUE 4 INCH/LB

Yorkville	Section: Assembly Documentation				
	Product(s): PS12S/PS15S/PS18S				
	PCB#: M1595	Rev#: V01	EML Rev#: 04	Sheet 1 Of *	
	Modified: 5/12/2015	File: Assembly.SchDoc		Tmp Date: TemplateRevDate	

DESIGN HISTORY AND INFORMATION

CHANGE HISTORY

#	DATE	VER#	PC#	DESCRIPTION OF CHANGE
1	15-SEP-2014	V01	.	.
2	12-MAY-2015	.	#8785	Replace C300 and C311 from #5909 to #5935 GG
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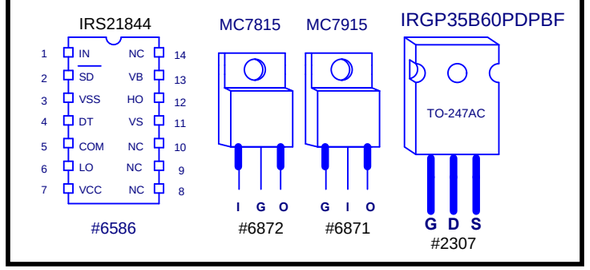
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POTENTIOMETERS AND KNOBS

POTENTIOMETERS AND KNOBS				
REF	FUNCTION	POT#	STYLE	KNOB#
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PINOUT DIAGRAMS

CASES AND PINS



THIS SHEET CONTAINS A CHANGE HISTORY LOG, A LIST OF THE POTS & KNOBS AND A LEADS & PINS REFERENCE SECTION.

Yorkville

Section: Design Information And History			
Product(s): PS12S/PS15S/PS18S			
PCB#: M1595	Rev#: V01	EML Rev#: 04	Sheet 1 Of *
Modified: 5/12/2015	File: History.SchDoc		Tmp Rev: V028

M1596 Parts Reference List 9/11/2015

REF	YS #	Description	REF	YS #	Description	REF	YS #	Description
C1		470P 250V 5%CAP 0603 SMT NP0	Q21		MMBTA14 NPN DARL SOT-23 SMT	U1		33078 DUAL OPAMP SMT SO-8
C2		470P 250V 5%CAP 0603 SMT NP0	R1		W100 1K0 1% 0805 SMT RES	U4		TL072 DUAL OPAMP SMT SO-8
C3	5213	__1N 630V 5%CAP T&R RAD PRO.□2FM	R2		W125 10K00 0.1% 0805 SMT RES	U5		33078 DUAL OPAMP SMT SO-8
C6	5204	_10N 100V 10%CAP T&R RAD .2FLM	R3		W100 2K74 1% 0805 SMT RES	U6		33078 DUAL OPAMP SMT SO-8
C8		_47P 50V 5%CAP 0805 SMT NPO	R4		W100 1K0 1% 0805 SMT RES	U7		33078 DUAL OPAMP SMT SO-8
C9	5961	_33U 16V 20%CAP T&R RAD .2IN NP	R5		W125 18K00 0.1% 0805 SMT RES	U15		LM13700M XCONDUCTANC AMP SMT IC
C11	5234	470N 63V 10%CAP T&R RAD .2FLM	R6		W125 10K00 0.1% 0805 SMT RES	U18		33078 DUAL OPAMP SMT SO-8
C12	5234	470N 63V 10%CAP T&R RAD .2FLM	R7		W100 475K 1% 0805 SMT RES	U25		TL072 DUAL OPAMP SMT SO-8
C13	5222	_33N 100V 10%CAP T&R RAD .2FLM	R8		W100 221R 1% 0805 SMT RES	U27		TL072 DUAL OPAMP SMT SO-8
C14	5222	_33N 100V 10%CAP T&R RAD .2FLM	R9		W125 100K 5% 0805 SMT RES	U40		TL072 DUAL OPAMP SMT SO-8
C16	5234	470N 63V 10%CAP T&R RAD .2FLM	R10		W125 47K 5% 0805 SMT RES	W100	2344	8 CIR XH-HEADER RA 0.098IN
C17	5234	470N 63V 10%CAP T&R RAD .2FLM	R11		W125 47K 5% 0805 SMT RES	ZD1		MM3Z18VT1G 18V0 0W2 5% SMT ZEN
C18	5265	_68U 25V 20%CAP T&R RAD .2EL	R13		W125 100K 5% 0805 SMT RES	ZD2		MM3Z18VT1G 18V0 0W2 5% SMT ZEN
C21	5265	_68U 25V 20%CAP T&R RAD .2EL	R14		W100 221R 1% 0805 SMT RES			
C36	5212	100N 63V 5%CAP T&R RAD .2FLM	R15		W125 47K 5% 0805 SMT RES			
C37	5212	100N 63V 5%CAP T&R RAD .2FLM	R16		W125 220K 5% 0805 SMT RES			
C39	5226	_68N 100V 5%CAP T&R RAD .2FLM	R17		W125 47K 5% 0805 SMT RES			
C40	5231	220N 63V 5%CAP T&R RAD .2FLM	R18		W100 348K 1% 0805 SMT RES			
C46		100N 25V 10%CAP 0805 SMT X7R	R19		W100 1K0 1% 0805 SMT RES			
C47		100N 25V 10%CAP 0805 SMT X7R	R21		W125 1K800 0.1% 0805 SMT RES			
C48	5222	_33N 100V 10%CAP T&R RAD .2FLM	R23		W100 10K0 1% 0805 SMT RES			
C49	5234	470N 63V 10%CAP T&R RAD .2FLM	R24		W125 47K 5% 0805 SMT RES			
C50	5222	_33N 100V 10%CAP T&R RAD .2FLM	R25		W125 1K5 5% 0805 SMT RES			
C51	5234	470N 63V 10%CAP T&R RAD .2FLM	R27		W125 470R 5% 0805 SMT RES			
C74		100N 25V 10%CAP 0805 SMT X7R	R28		W100 10K0 1% 0805 SMT RES			
C93		270P 50V 5%CAP 0805 SMT NPO	R29		W100 4K99 1% 0805 SMT RES			
C94		270P 50V 5%CAP 0805 SMT NPO	R32		W125 4K7 5% 0805 SMT RES			
C120		__1N 50V 5%CAP 0805 SMT NPO	R33		W100 27K4 1% 0805 SMT RES			
C124		100N 25V 10%CAP 0805 SMT X7R	R34		W100 27K4 1% 0805 SMT RES			
C125		100N 25V 10%CAP 0805 SMT X7R	R35		W100 27K4 1% 0805 SMT RES			
C126		100N 25V 10%CAP 0805 SMT X7R	R36		W125 100K 5% 0805 SMT RES			
C127		100N 25V 10%CAP 0805 SMT X7R	R39		W125 47R 5% 0805 SMT RES			
C128		100N 25V 10%CAP 0805 SMT X7R	R42		W125 1K800 0.1% 0805 SMT RES			
C129		100N 25V 10%CAP 0805 SMT X7R	R46		W125 82K5 1% 0805 SMT RES			
C130		100N 25V 10%CAP 0805 SMT X7R	R47		W125 82K5 1% 0805 SMT RES			
C131		100N 25V 10%CAP 0805 SMT X7R	R48		W125 22M0 5% 0805 SMT RES			
C132		100N 25V 10%CAP 0805 SMT X7R	R49		W100 15K0 1% 0805 SMT RES			
C133		100N 25V 10%CAP 0805 SMT X7R	R55		W100 15K0 1% 0805 SMT RES			
C135		100N 25V 10%CAP 0805 SMT X7R	R56		W125 220K 5% 0805 SMT RES			
C136		100N 25V 10%CAP 0805 SMT X7R	R68		W100 1M0 1% 0805 SMT RES			
C137		100N 25V 10%CAP 0805 SMT X7R	R73		W125 1K02 0.1% 0805 SMT RES			
C138		100N 25V 10%CAP 0805 SMT X7R	R83		W100 13K 1% 0805 SMT RES			
C139		100N 25V 10%CAP 0805 SMT X7R	R84		W100 10K0 1% 0805 SMT RES			
C140		100N 25V 10%CAP 0805 SMT X7R	R85		W125 68K 5% 0805 SMT RES			
D2		CDSF4148 75V 0A15 1005 SMT	R86		W100 2K0 1% 0805 SMT RES			
D3		CDSF4148 75V 0A15 1005 SMT	R88		W125 5K6 1% 0805 SMT RES			
D4		CDSF4148 75V 0A15 1005 SMT	R89		W125 47K 5% 0805 SMT RES			
D5		CDSF4148 75V 0A15 1005 SMT	R90		W125 22K 1% 0805 SMT RES			
D6		CDSF4148 75V 0A15 1005 SMT	R91		W125 22K 1% 0805 SMT RES			
D7		CDSF4148 75V 0A15 1005 SMT	R92		W125 47K 5% 0805 SMT RES			
D9		CDSF4148 75V 0A15 1005 SMT	R93		W125 47K 5% 0805 SMT RES			
D10		CDSF4148 75V 0A15 1005 SMT	R94		W125 47K 5% 0805 SMT RES			
D11		CDSF4148 75V 0A15 1005 SMT	R95		W125 4K7 5% 0805 SMT RES			
D15		CDSF4148 75V 0A15 1005 SMT	R96		W100 27K4 1% 0805 SMT RES			
D24		CDSF4148 75V 0A15 1005 SMT	R97		W100 27K4 1% 0805 SMT RES			
D31		CDSF4148 75V 0A15 1005 SMT	R98		W100 27K4 1% 0805 SMT RES			
D35		CDSF4148 75V 0A15 1005 SMT	R107		W125 18K00 0.1% 0805 SMT RES			
D39		CDSF4148 75V 0A15 1005 SMT	R111		W125 470R 5% 0805 SMT RES			
D40		CDSF4148 75V 0A15 1005 SMT	R112		W125 4K7 5% 0805 SMT RES			
D46		CDSF4148 75V 0A15 1005 SMT	R113		W125 1K5 5% 0805 SMT RES			
D47		CDSF4148 75V 0A15 1005 SMT	R114		W100 27K4 1% 0805 SMT RES			
D48		CDSF4148 75V 0A15 1005 SMT	R115		W125 82K5 1% 0805 SMT RES			
J1	4140	XLR MALE PCB MT VERT 24MM A-SERIES	R116		W100 2K74 1% 0805 SMT RES			
J2	4010	XLR FEML PCB MT VERT 24MM AA-SERIES	R118		W100 2K21 1% 0805 SMT RES			
J3	4063	1/4IN ISO JCK PCMT VT STER RT SWT	R119		W100 274K 1% 0805 SMT RES			
J7	4063	1/4IN ISO JCK PCMT VT STER RT SWT	R120		W125 33K 5% 0805 SMT RES			
L10		_15.0UH COIL 0805 SMT	R121		W100 10K0 1% 0805 SMT RES			
L11		_15.0UH COIL 0805 SMT	R122		W100 2K74 1% 0805 SMT RES			
L12		_15.0UH COIL 0805 SMT	R123		W100 2K74 1% 0805 SMT RES			
L13		_15.0UH COIL 0805 SMT	R124		W125 82K5 1% 0805 SMT RES			
LD1	6408	GRN 3MM LED 2V2 20MA DIFFUSD	R126		W100 10K0 1% 0805 SMT RES			
LD2	6400	YEL 3MM LED 2V1 20MA DIFFUSD	R127		W100 10K0 1% 0805 SMT RES			
LD3	6405	RED 3MM LED 2V1 20MA DIFFUSD	R128		W100 1M0 1% 0805 SMT RES			
M1596		W250 0R 1206 SMT RES	R142		W100 10K0 1% 0805 SMT RES			
P1	2339	_10K B LIN 12MM DUAL 21DET P34	R159		W100 1M0 1% 0805 SMT RES			
PTC1	6543	48R 265V RESETTABLE THERMISTOR PTC	R164		W125 1K5 5% 0805 SMT RES			
Q1		MMBT5401 PNP SOT-23 SMT	R165		W125 30K 0.5% 0805 SMT RES			
Q2		MMBT3904 NPN SOT-23 SMT	R181		W125 30K 0.5% 0805 SMT RES			
Q4		MMBT3904 NPN SOT-23 SMT	R196		W100 4K99 1% 0805 SMT RES			
Q5		MMBT3904 NPN SOT-23 SMT	S1	3522	DPDT MINI PC VERT SNP ALT			

Level

INPUT GND
GNDA
CHASSIS GND
LEDGND
RIBBON_GND
-15VIP
+15VIP
-15V
+15V
SIGNAL
N1012
N1011
N1009
N1010
N1008
N1007
N1006
N1005
N1004
N1003
N1002
N1001

IN-Speaker OUT-Line

TO POWER AMP PCB

ALUMINUM SPACER TO CHASSIS

Rolloff Frequency

RMS DETECT

Boost to Match Impedance

SIGNAL TO AMP INPUT

PEAK LIMIT DETECT

Boost

Section:	INPUT				
Product(s):	PS12S				
PCB# PS12S-M1596	Rev# V01	BOM Rev# 01	Sheet 1 Of 1		
Date Modified: 9/17/2014		Filename: X8022.SCHDOC			

Yorkville

DESIGN HISTORY AND INFORMATION

CHANGE HISTORY

#	DATE	VER#	PC#	DESCRIPTION OF CHANGE
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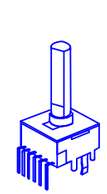
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POTENTIOMETERS AND KNOBS

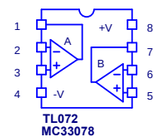
POTENTIOMETERS AND KNOBS				
REF	FUNCTION	POT#	STYLE	KNOB#
P1	LEVEL	2339	P34	8653
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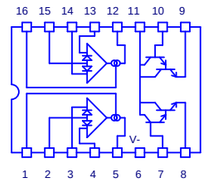
CASES AND PINS



"STYLE_P34"



TL072
MC33078



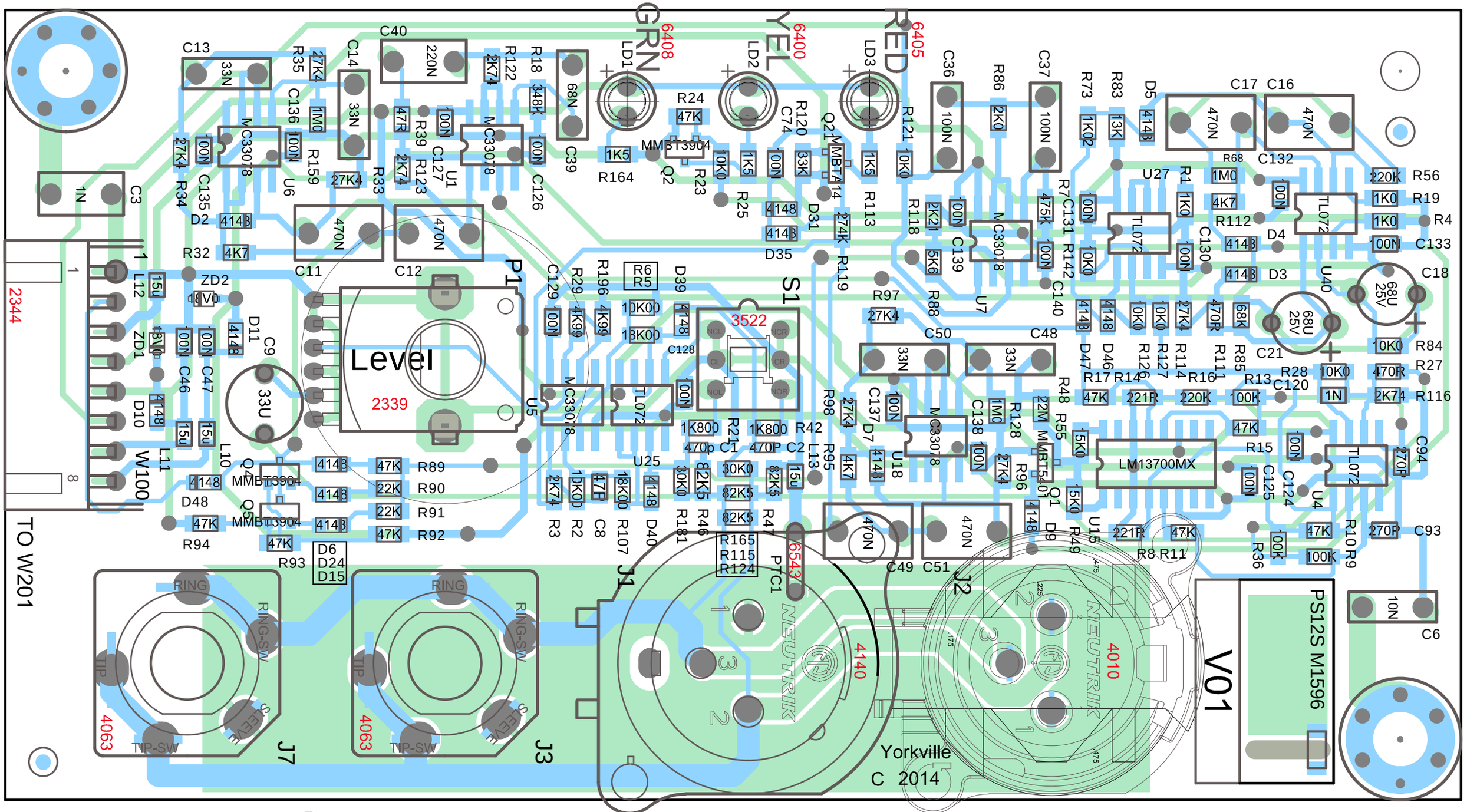
LM13700MX

THIS SHEET CONTAINS A CHANGE HISTORY LOG, A LIST OF THE POTS & KNOBS AND A LEADS & PINS REFERENCE SECTION.

Yorkville

Section:	Design Information And History			
Product(s):	PS SUBS INPUT BOARD			
PCB#: X8022	Rev#: V01	EML Rev#: 01	Sheet 1	Of 2
Modified: 9/17/2014	File: History.SchDoc		Tmp Rev: TemplateRev	

PS12S-M1596V01



PANEL INFO

BlankSize - 14000x5800
# of boards per panel: 5
Step & Repeat: X5@2.600Y1@0.000

PCB ASSEMBLY DOCUMENTATION

SPECIAL PRODUCTION NOTES

1. THIS BOARD IS FOR PS SERIES SUBS:

M1596 FOR PS12S
M1597 FOR PS15S
M1598 FOR PS18S

SEE SMT JUMPERS TO IDENTIFY

PCB HARDWARE

THIS SHEET CONTAINS SPECIAL PRODUCTION NOTES AND A LIST OF PCB HARDWARE PARTS REQUIRED FOR THE BUILD.

Yorkville	Section: Assembly Documentation				
	Product(s): PS SUBS				
	PCB#: X8022	Rev#: V01	EML Rev#: 01	Sheet 1 Of *	
	Modified: 9/17/2014	File: Assembly.SchDoc		Tmp Date: 03/15/2013	

DESIGN HISTORY AND INFORMATION

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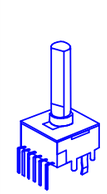
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POTENTIOMETERS AND KNOBS

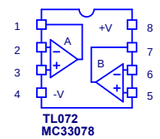
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PINOUT DIAGRAMS

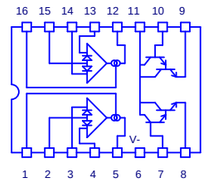
CASES AND PINS



"STYLE_P34"



TL072
MC33078



LM13700MX

THIS SHEET CONTAINS A CHANGE HISTORY LOG, A LIST OF THE POTS & KNOBS AND A LEADS & PINS REFERENCE SECTION.

Yorkville

Section:	Design Information And History			
Product(s):	PS SUBS INPUT BOARD			
PCB#: X8022	Rev#: V01	EML Rev#: 01	Sheet 1	Of 2
Modified: 9/17/2014	File: History.SchDoc		Tmp Rev: TemplateRev	

M1597 Parts Reference List 9/11/2015

REF	YS #	Description	REF	YS #	Description	REF	YS #	Description
C1		470P 250V 5%CAP 0603 SMT NP0	Q21		MMBTA14 NPN DARL SOT-23 SMT	U1		33078 DUAL OPAMP SMT SO-8
C2		470P 250V 5%CAP 0603 SMT NP0	R1		W100 1K0 1% 0805 SMT RES	U4		TL072 DUAL OPAMP SMT SO-8
C3	5213	__1N 630V 5%CAP T&R RAD PRO.□2FM	R2		W125 10K00 0.1% 0805 SMT RES	U5		33078 DUAL OPAMP SMT SO-8
C6	5204	_10N 100V 10%CAP T&R RAD .2FLM	R3		W100 2K74 1% 0805 SMT RES	U6		33078 DUAL OPAMP SMT SO-8
C8		_47P 50V 5%CAP 0805 SMT NPO	R4		W100 1K0 1% 0805 SMT RES	U7		33078 DUAL OPAMP SMT SO-8
C9	5961	_33U 16V 20%CAP T&R RAD .2IN NP	R5		W125 18K00 0.1% 0805 SMT RES	U15		LM13700M XCONDUCTANC AMP SMT IC
C11	5234	470N 63V 10%CAP T&R RAD .2FLM	R6		W125 10K00 0.1% 0805 SMT RES	U18		33078 DUAL OPAMP SMT SO-8
C12	5234	470N 63V 10%CAP T&R RAD .2FLM	R7		W100 357K 1% 0805 SMT RES	U25		TL072 DUAL OPAMP SMT SO-8
C13	5222	_33N 100V 10%CAP T&R RAD .2FLM	R8		W100 221R 1% 0805 SMT RES	U27		TL072 DUAL OPAMP SMT SO-8
C14	5222	_33N 100V 10%CAP T&R RAD .2FLM	R9		W125 100K 5% 0805 SMT RES	U40		TL072 DUAL OPAMP SMT SO-8
C16	5234	470N 63V 10%CAP T&R RAD .2FLM	R10		W125 47K 5% 0805 SMT RES	W100	2344	8 CIR XH-HEADER RA 0.098IN
C17	5234	470N 63V 10%CAP T&R RAD .2FLM	R11		W125 47K 5% 0805 SMT RES	ZD1		MM3Z18VT1G 18V0 0W2 5% SMT ZEN
C18	5265	_68U 25V 20%CAP T&R RAD .2EL	R13		W125 100K 5% 0805 SMT RES	ZD2		MM3Z18VT1G 18V0 0W2 5% SMT ZEN
C21	5265	_68U 25V 20%CAP T&R RAD .2EL	R14		W100 221R 1% 0805 SMT RES			
C36	5212	100N 63V 5%CAP T&R RAD .2FLM	R15		W125 47K 5% 0805 SMT RES			
C37	5212	100N 63V 5%CAP T&R RAD .2FLM	R16		W125 220K 5% 0805 SMT RES			
C39	5226	_68N 100V 5%CAP T&R RAD .2FLM	R17		W125 47K 5% 0805 SMT RES			
C40	5231	220N 63V 5%CAP T&R RAD .2FLM	R18		W100 348K 1% 0805 SMT RES			
C46		100N 25V 10%CAP 0805 SMT X7R	R19		W100 1K0 1% 0805 SMT RES			
C47		100N 25V 10%CAP 0805 SMT X7R	R21		W125 1K800 0.1% 0805 SMT RES			
C48	5222	_33N 100V 10%CAP T&R RAD .2FLM	R23		W100 10K0 1% 0805 SMT RES			
C49	5234	470N 63V 10%CAP T&R RAD .2FLM	R24		W125 47K 5% 0805 SMT RES			
C50	5222	_33N 100V 10%CAP T&R RAD .2FLM	R25		W125 1K5 5% 0805 SMT RES			
C51	5234	470N 63V 10%CAP T&R RAD .2FLM	R27		W125 470R 5% 0805 SMT RES			
C74		100N 25V 10%CAP 0805 SMT X7R	R28		W100 10K0 1% 0805 SMT RES			
C93		270P 50V 5%CAP 0805 SMT NPO	R29		W100 4K99 1% 0805 SMT RES			
C94		270P 50V 5%CAP 0805 SMT NPO	R32		W125 4K7 5% 0805 SMT RES			
C120		__1N 50V 5%CAP 0805 SMT NPO	R33		W100 27K4 1% 0805 SMT RES			
C124		100N 25V 10%CAP 0805 SMT X7R	R34		W100 27K4 1% 0805 SMT RES			
C125		100N 25V 10%CAP 0805 SMT X7R	R35		W100 27K4 1% 0805 SMT RES			
C126		100N 25V 10%CAP 0805 SMT X7R	R36		W125 100K 5% 0805 SMT RES			
C127		100N 25V 10%CAP 0805 SMT X7R	R39		W125 47R 5% 0805 SMT RES			
C128		100N 25V 10%CAP 0805 SMT X7R	R42		W125 1K800 0.1% 0805 SMT RES			
C129		100N 25V 10%CAP 0805 SMT X7R	R46		W125 82K5 1% 0805 SMT RES			
C130		100N 25V 10%CAP 0805 SMT X7R	R47		W125 82K5 1% 0805 SMT RES			
C131		100N 25V 10%CAP 0805 SMT X7R	R48		W125 22M0 5% 0805 SMT RES			
C132		100N 25V 10%CAP 0805 SMT X7R	R49		W100 15K0 1% 0805 SMT RES			
C133		100N 25V 10%CAP 0805 SMT X7R	R55		W100 15K0 1% 0805 SMT RES			
C135		100N 25V 10%CAP 0805 SMT X7R	R56		W125 220K 5% 0805 SMT RES			
C136		100N 25V 10%CAP 0805 SMT X7R	R68		W100 1M0 1% 0805 SMT RES			
C137		100N 25V 10%CAP 0805 SMT X7R	R73		W125 1K54 1% 0805 SMT RES			
C138		100N 25V 10%CAP 0805 SMT X7R	R83		W100 13K 1% 0805 SMT RES			
C139		100N 25V 10%CAP 0805 SMT X7R	R84		W100 10K0 1% 0805 SMT RES			
C140		100N 25V 10%CAP 0805 SMT X7R	R85		W125 68K 5% 0805 SMT RES			
D2		CDSF4148 75V 0A15 1005 SMT	R86		W100 2K0 1% 0805 SMT RES			
D3		CDSF4148 75V 0A15 1005 SMT	R88		W125 5K6 1% 0805 SMT RES			
D4		CDSF4148 75V 0A15 1005 SMT	R89		W125 47K 5% 0805 SMT RES			
D5		CDSF4148 75V 0A15 1005 SMT	R90		W125 22K 1% 0805 SMT RES			
D6		CDSF4148 75V 0A15 1005 SMT	R91		W125 22K 1% 0805 SMT RES			
D7		CDSF4148 75V 0A15 1005 SMT	R92		W125 47K 5% 0805 SMT RES			
D9		CDSF4148 75V 0A15 1005 SMT	R93		W125 47K 5% 0805 SMT RES			
D10		CDSF4148 75V 0A15 1005 SMT	R94		W125 47K 5% 0805 SMT RES			
D11		CDSF4148 75V 0A15 1005 SMT	R95		W125 4K7 5% 0805 SMT RES			
D15		CDSF4148 75V 0A15 1005 SMT	R96		W100 27K4 1% 0805 SMT RES			
D24		CDSF4148 75V 0A15 1005 SMT	R97		W100 27K4 1% 0805 SMT RES			
D31		CDSF4148 75V 0A15 1005 SMT	R98		W100 27K4 1% 0805 SMT RES			
D35		CDSF4148 75V 0A15 1005 SMT	R107		W125 18K00 0.1% 0805 SMT RES			
D39		CDSF4148 75V 0A15 1005 SMT	R111		W125 470R 5% 0805 SMT RES			
D40		CDSF4148 75V 0A15 1005 SMT	R112		W125 4K7 5% 0805 SMT RES			
D46		CDSF4148 75V 0A15 1005 SMT	R113		W125 1K5 5% 0805 SMT RES			
D47		CDSF4148 75V 0A15 1005 SMT	R114		W100 27K4 1% 0805 SMT RES			
D48		CDSF4148 75V 0A15 1005 SMT	R115		W125 82K5 1% 0805 SMT RES			
J1	4140	XLR MALE PCB MT VERT 24MM A-SERIES	R116		W100 2K74 1% 0805 SMT RES			
J2	4010	XLR FEML PCB MT VERT 24MM AA-SERIES	R118		W100 2K21 1% 0805 SMT RES			
J3	4063	1/4IN ISO JCK PCMT VT STER RT SWT	R119		W100 274K 1% 0805 SMT RES			
J7	4063	1/4IN ISO JCK PCMT VT STER RT SWT	R120		W125 33K 5% 0805 SMT RES			
L10		_15.0UH COIL 0805 SMT	R121		W100 10K0 1% 0805 SMT RES			
L11		_15.0UH COIL 0805 SMT	R122		W100 2K74 1% 0805 SMT RES			
L12		_15.0UH COIL 0805 SMT	R123		W100 2K74 1% 0805 SMT RES			
L13		_15.0UH COIL 0805 SMT	R124		W125 82K5 1% 0805 SMT RES			
LD1	6408	GRN 3MM LED 2V2 20MA DIFFUSD	R126		W100 10K0 1% 0805 SMT RES			
LD2	6400	YEL 3MM LED 2V1 20MA DIFFUSD	R127		W100 10K0 1% 0805 SMT RES			
LD3	6405	RED 3MM LED 2V1 20MA DIFFUSD	R128		W100 1M0 1% 0805 SMT RES			
M1597		W250 0R 1206 SMT RES	R142		W100 10K0 1% 0805 SMT RES			
P1	2339	_10K B LIN 12MM DUAL 21DET P34	R159		W100 1M0 1% 0805 SMT RES			
PTC1	6543	48R 265V RESETTABLE THERMISTOR PTC	R164		W125 1K5 5% 0805 SMT RES			
Q1		MMBT5401 PNP SOT-23 SMT	R165		W125 30K 0.5% 0805 SMT RES			
Q2		MMBT3904 NPN SOT-23 SMT	R181		W125 30K 0.5% 0805 SMT RES			
Q4		MMBT3904 NPN SOT-23 SMT	R196		W100 4K99 1% 0805 SMT RES			
Q5		MMBT3904 NPN SOT-23 SMT	S1	3522	DPDT MINI PC VERT SNP ALT			

Level

INPUT GND

IN-Speaker OUT-Line

TO POWER AMP PCB

ALUMINUM SPACER TO CHASSIS

ALUMINUM SPACER TO CHASSIS

Rolloff Frequency

RMS DETECT

Boost to Match Impedance

Rolloff Frequency

SIGNAL TO AMP INPUT

PEAK LIMIT DETECT

Boost

Section:	INPUT
Product(s):	PS15S
PCB# PS15S-M1597	Rev# V01
BOM Rev# 01	Sheet 1 Of 1
Date Modified: 9/17/2014	Filename: X8022.SCHDOC

Yorkville

DESIGN HISTORY AND INFORMATION

CHANGE HISTORY

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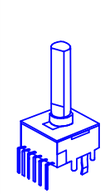
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POTENTIOMETERS AND KNOBS

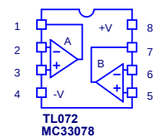
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P1	LEVEL	2339	P34	8653
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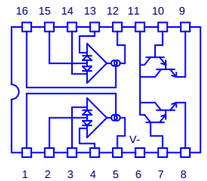
CASES AND PINS



"STYLE_P34"



TL072
MC33078



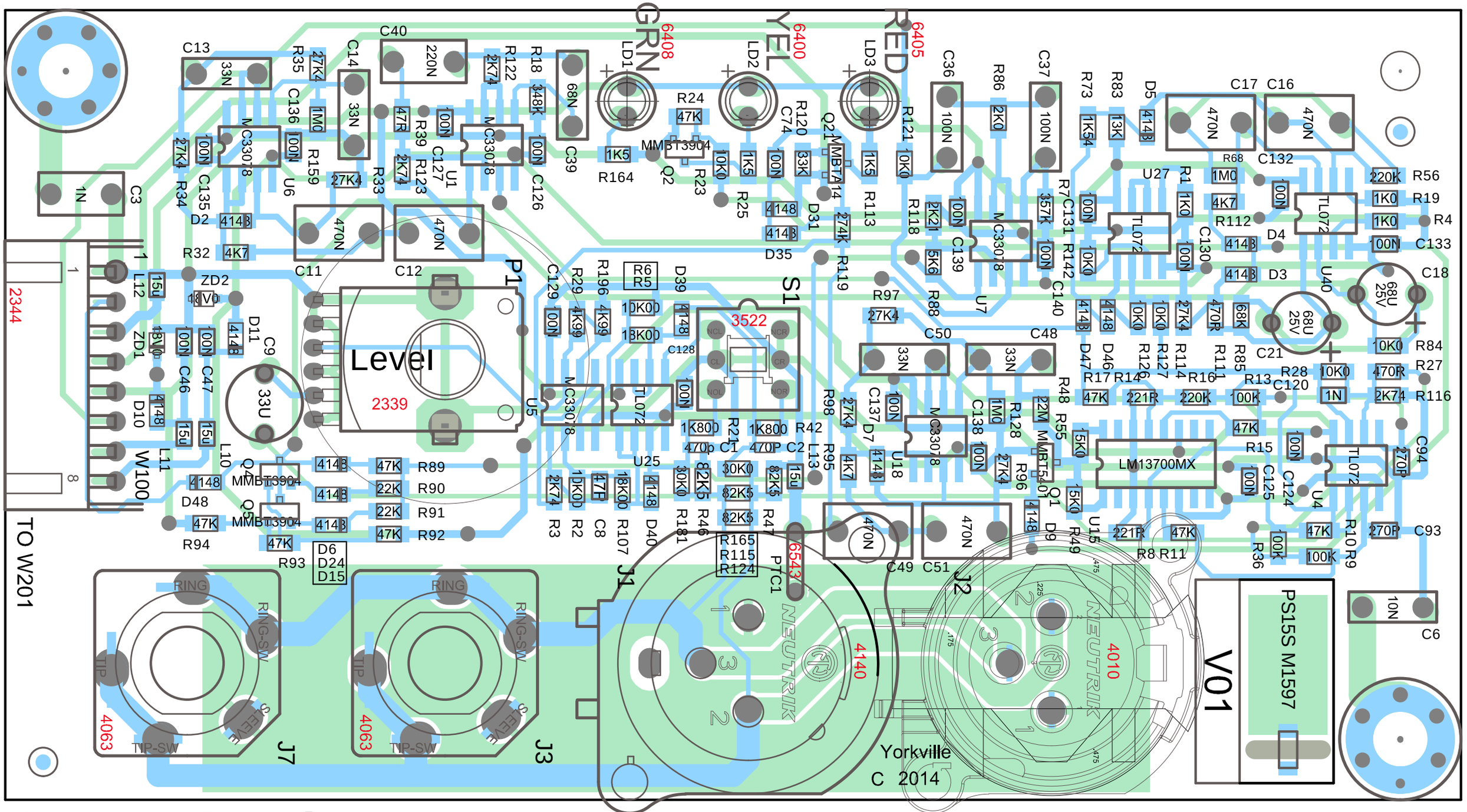
LM13700MX

THIS SHEET CONTAINS A CHANGE HISTORY LOG, A LIST OF THE POTS & KNOBS AND A LEADS & PINS REFERENCE SECTION.

Yorkville

Section:	Design Information And History			
Product(s):	PS SUBS INPUT BOARD			
PCB#: X8022	Rev#: V01	EML Rev#: 01	Sheet 1	Of 2
Modified: 9/17/2014	File: History.SchDoc		Tmp Rev: TemplateRev	

PS15S-M1597V01



PANEL INFO

BlankSize - 14000x5800
# of boards per panel: 5
Step & Repeat: X5@2.600Y1@0.000

PCB ASSEMBLY DOCUMENTATION

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1. THIS BOARD IS FOR PS SERIES SUBS:

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SEE SMT JUMPERS TO IDENTIFY

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Yorkville	Section: Assembly Documentation				
	Product(s): PS SUBS				
	PCB#: X8022	Rev#: V01	EML Rev#: 01	Sheet 1 Of *	
	Modified: 9/17/2014	File: Assembly.SchDoc		Tmp Date: 03/15/2013	

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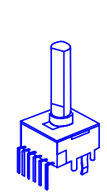
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POTENTIOMETERS AND KNOBS

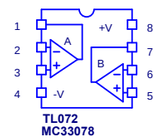
POTENTIOMETERS AND KNOBS				
REF	FUNCTION	POT#	STYLE	KNOB#
P1	LEVEL	2339	P34	8653
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PINOUT DIAGRAMS

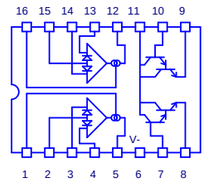
CASES AND PINS



"STYLE_P34"



TL072
MC33078



LM13700MX

THIS SHEET CONTAINS A CHANGE HISTORY LOG, A LIST OF THE POTS & KNOBS AND A LEADS & PINS REFERENCE SECTION.

Yorkville

Section:	Design Information And History			
Product(s):	PS SUBS INPUT BOARD			
PCB#: X8022	Rev#: V01	EML Rev#: 01	Sheet 1	Of 2
Modified: 9/17/2014	File: History.SchDoc		Tmp Rev: TemplateRev	

M1598 Parts Reference List 9/11/2015

REF	YS #	Description	REF	YS #	Description	REF	YS #	Description
C1		470P 250V 5%CAP 0603 SMT NP0	Q21		MMBTA14 NPN DARL SOT-23 SMT	U1		33078 DUAL OPAMP SMT SO-8
C11	5234	470N 63V 10%CAP T&R RAD .2FLM	R1		W100 1K0 1% 0805 SMT RES	U4		TL072 DUAL OPAMP SMT SO-8
C12	5234	470N 63V 10%CAP T&R RAD .2FLM	R2		W125 10K00 0.1% 0805 SMT RES	U5		33078 DUAL OPAMP SMT SO-8
C120		__1N 50V 5%CAP 0805 SMT NPO	R3		W100 2K74 1% 0805 SMT RES	U6		33078 DUAL OPAMP SMT SO-8
C124		100N 25V 10%CAP 0805 SMT X7R	R4		W100 1K0 1% 0805 SMT RES	U7		33078 DUAL OPAMP SMT SO-8
C125		100N 25V 10%CAP 0805 SMT X7R	R5		W125 18K00 0.1% 0805 SMT RES	U15		LM13700M XCONDUCTANC AMP SMT IC
C126		100N 25V 10%CAP 0805 SMT X7R	R6		W125 10K00 0.1% 0805 SMT RES	U18		33078 DUAL OPAMP SMT SO-8
C127		100N 25V 10%CAP 0805 SMT X7R	R7		W100 274K 1% 0805 SMT RES	U25		TL072 DUAL OPAMP SMT SO-8
C128		100N 25V 10%CAP 0805 SMT X7R	R8		W100 221R 1% 0805 SMT RES	U27		TL072 DUAL OPAMP SMT SO-8
C129		100N 25V 10%CAP 0805 SMT X7R	R9		W125 100K 5% 0805 SMT RES	U40		TL072 DUAL OPAMP SMT SO-8
C13	5222	_33N 100V 10%CAP T&R RAD .2FLM	R10		W125 47K 5% 0805 SMT RES	W100	2344	8 CIR XH-HEADER RA 0.098IN
C130		100N 25V 10%CAP 0805 SMT X7R	R11		W125 47K 5% 0805 SMT RES	ZD1		MM3Z18VT1G 18V0 0W2 5% SMT ZEN
C131		100N 25V 10%CAP 0805 SMT X7R	R13		W125 100K 5% 0805 SMT RES	ZD2		MM3Z18VT1G 18V0 0W2 5% SMT ZEN
C132		100N 25V 10%CAP 0805 SMT X7R	R14		W100 221R 1% 0805 SMT RES			
C133		100N 25V 10%CAP 0805 SMT X7R	R15		W125 47K 5% 0805 SMT RES			
C135		100N 25V 10%CAP 0805 SMT X7R	R16		W125 220K 5% 0805 SMT RES			
C136		100N 25V 10%CAP 0805 SMT X7R	R17		W125 47K 5% 0805 SMT RES			
C137		100N 25V 10%CAP 0805 SMT X7R	R18		W100 348K 1% 0805 SMT RES			
C138		100N 25V 10%CAP 0805 SMT X7R	R19		W100 1K0 1% 0805 SMT RES			
C139		100N 25V 10%CAP 0805 SMT X7R	R21		W125 1K800 0.1% 0805 SMT RES			
C14	5222	_33N 100V 10%CAP T&R RAD .2FLM	R23		W100 10K0 1% 0805 SMT RES			
C140		100N 25V 10%CAP 0805 SMT X7R	R24		W125 47K 5% 0805 SMT RES			
C16	5234	470N 63V 10%CAP T&R RAD .2FLM	R25		W125 1K5 5% 0805 SMT RES			
C17	5234	470N 63V 10%CAP T&R RAD .2FLM	R27		W125 470R 5% 0805 SMT RES			
C18	5265	_68U 25V 20%CAP T&R RAD .2EL	R28		W100 10K0 1% 0805 SMT RES			
C2		470P 250V 5%CAP 0603 SMT NP0	R29		W100 4K99 1% 0805 SMT RES			
C21	5265	_68U 25V 20%CAP T&R RAD .2EL	R32		W125 4K7 5% 0805 SMT RES			
C3	5213	__1N 630V 5%CAP T&R RAD PRO.□2FM	R33		W100 27K4 1% 0805 SMT RES			
C36	5212	100N 63V 5%CAP T&R RAD .2FLM	R34		W100 27K4 1% 0805 SMT RES			
C37	5212	100N 63V 5%CAP T&R RAD .2FLM	R35		W100 27K4 1% 0805 SMT RES			
C39	5226	_68N 100V 5%CAP T&R RAD .2FLM	R36		W125 100K 5% 0805 SMT RES			
C40	5231	220N 63V 5%CAP T&R RAD .2FLM	R39		W125 47R 5% 0805 SMT RES			
C46		100N 25V 10%CAP 0805 SMT X7R	R42		W125 1K800 0.1% 0805 SMT RES			
C47		100N 25V 10%CAP 0805 SMT X7R	R46		W125 82K5 1% 0805 SMT RES			
C48	5222	_33N 100V 10%CAP T&R RAD .2FLM	R47		W125 82K5 1% 0805 SMT RES			
C49	5234	470N 63V 10%CAP T&R RAD .2FLM	R48		W125 22M0 5% 0805 SMT RES			
C50	5222	_33N 100V 10%CAP T&R RAD .2FLM	R49		W100 15K0 1% 0805 SMT RES			
C51	5234	470N 63V 10%CAP T&R RAD .2FLM	R55		W100 15K0 1% 0805 SMT RES			
C6	5204	_10N 100V 10%CAP T&R RAD .2FLM	R56		W125 220K 5% 0805 SMT RES			
C74		100N 25V 10%CAP 0805 SMT X7R	R68		W100 1M0 1% 0805 SMT RES			
C8		_47P 50V 5%CAP 0805 SMT NPO	R73		W125 750R 1% 0805 SMT RES			
C9	5961	_33U 16V 20%CAP T&R RAD .2IN NP	R83		W100 13K 1% 0805 SMT RES			
C93		270P 50V 5%CAP 0805 SMT NPO	R84		W100 10K0 1% 0805 SMT RES			
C94		270P 50V 5%CAP 0805 SMT NPO	R85		W125 68K 5% 0805 SMT RES			
D10		CDSF4148 75V 0A15 1005 SMT	R86		W100 2K0 1% 0805 SMT RES			
D11		CDSF4148 75V 0A15 1005 SMT	R88		W125 5K6 1% 0805 SMT RES			
D15		CDSF4148 75V 0A15 1005 SMT	R89		W125 47K 5% 0805 SMT RES			
D2		CDSF4148 75V 0A15 1005 SMT	R90		W125 22K 1% 0805 SMT RES			
D24		CDSF4148 75V 0A15 1005 SMT	R91		W125 22K 1% 0805 SMT RES			
D3		CDSF4148 75V 0A15 1005 SMT	R92		W125 47K 5% 0805 SMT RES			
D31		CDSF4148 75V 0A15 1005 SMT	R93		W125 47K 5% 0805 SMT RES			
D35		CDSF4148 75V 0A15 1005 SMT	R94		W125 47K 5% 0805 SMT RES			
D39		CDSF4148 75V 0A15 1005 SMT	R95		W125 4K7 5% 0805 SMT RES			
D4		CDSF4148 75V 0A15 1005 SMT	R96		W100 27K4 1% 0805 SMT RES			
D40		CDSF4148 75V 0A15 1005 SMT	R97		W100 27K4 1% 0805 SMT RES			
D46		CDSF4148 75V 0A15 1005 SMT	R98		W100 27K4 1% 0805 SMT RES			
D47		CDSF4148 75V 0A15 1005 SMT	R107		W125 18K00 0.1% 0805 SMT RES			
D48		CDSF4148 75V 0A15 1005 SMT	R111		W125 470R 5% 0805 SMT RES			
D5		CDSF4148 75V 0A15 1005 SMT	R112		W125 4K7 5% 0805 SMT RES			
D6		CDSF4148 75V 0A15 1005 SMT	R113		W125 1K5 5% 0805 SMT RES			
D7		CDSF4148 75V 0A15 1005 SMT	R114		W100 27K4 1% 0805 SMT RES			
D9		CDSF4148 75V 0A15 1005 SMT	R115		W125 82K5 1% 0805 SMT RES			
J1	4140	XLR MALE PCB MT VERT 24MM A-SERIES	R116		W100 2K74 1% 0805 SMT RES			
J2	4010	XLR FEML PCB MT VERT 24MM AA-SERIES	R118		W100 2K21 1% 0805 SMT RES			
J3	4063	1/4IN ISO JCK PCMT VT STER RT SWT	R119		W100 274K 1% 0805 SMT RES			
J7	4063	1/4IN ISO JCK PCMT VT STER RT SWT	R120		W125 33K 5% 0805 SMT RES			
L10		_15.0UH COIL 0805 SMT	R121		W100 10K0 1% 0805 SMT RES			
L11		_15.0UH COIL 0805 SMT	R122		W100 2K74 1% 0805 SMT RES			
L12		_15.0UH COIL 0805 SMT	R123		W100 2K74 1% 0805 SMT RES			
L13		_15.0UH COIL 0805 SMT	R124		W125 82K5 1% 0805 SMT RES			
LD1	6408	GRN 3MM LED 2V2 20MA DIFFUSD	R126		W100 10K0 1% 0805 SMT RES			
LD2	6400	YEL 3MM LED 2V1 20MA DIFFUSD	R127		W100 10K0 1% 0805 SMT RES			
LD3	6405	RED 3MM LED 2V1 20MA DIFFUSD	R128		W100 1M0 1% 0805 SMT RES			
M1598		W250 0R 1206 SMT RES	R142		W100 10K0 1% 0805 SMT RES			
P1	2339	_10K B LIN 12MM DUAL 21DET P34	R159		W100 1M0 1% 0805 SMT RES			
PTC1	6543	48R 265V RESETTABLE THERMISTOR PTC	R164		W125 1K5 5% 0805 SMT RES			
Q1		MMBT5401 PNP SOT-23 SMT	R165		W125 30K 0.5% 0805 SMT RES			
Q2		MMBT3904 NPN SOT-23 SMT	R181		W125 30K 0.5% 0805 SMT RES			
Q21		MMBTA14 NPN DARL SOT-23 SMT	R196		W100 4K99 1% 0805 SMT RES			
Q4		MMBT3904 NPN SOT-23 SMT	S1	3522	DPDT MINI PC VERT SNP ALT			

Level

INPUT GND
GNDA
CHASSIS GND
IN-Speaker OUT-Line
TO POWER AMP PCB
Rolloff Frequency
RMS DETECT
Boost to Match Impedance
SIGNAL TO AMP INPUT
PEAK LIMIT DETECT
Boost
ALUMINUM SPACER TO CHASSIS
RIBBON_GND
LEDGND

Section:	INPUT
Product(s):	PS18S
PCB# PS18S-M1598	Rev# V01
BOM Rev#	01
Sheet	1 Of 1
Date Modified:	9/17/2014
Filename:	X8022.SCHDOC

Yorkville

DESIGN HISTORY AND INFORMATION

CHANGE HISTORY

#	DATE	VER#	PC#	DESCRIPTION OF CHANGE
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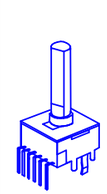
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POTENTIOMETERS AND KNOBS

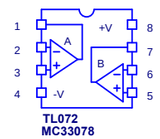
POTENTIOMETERS AND KNOBS				
REF	FUNCTION	POT#	STYLE	KNOB#
P1	LEVEL	2339	P34	8653
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PINOUT DIAGRAMS

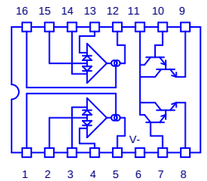
CASES AND PINS



"STYLE_P34"



TL072
MC33078



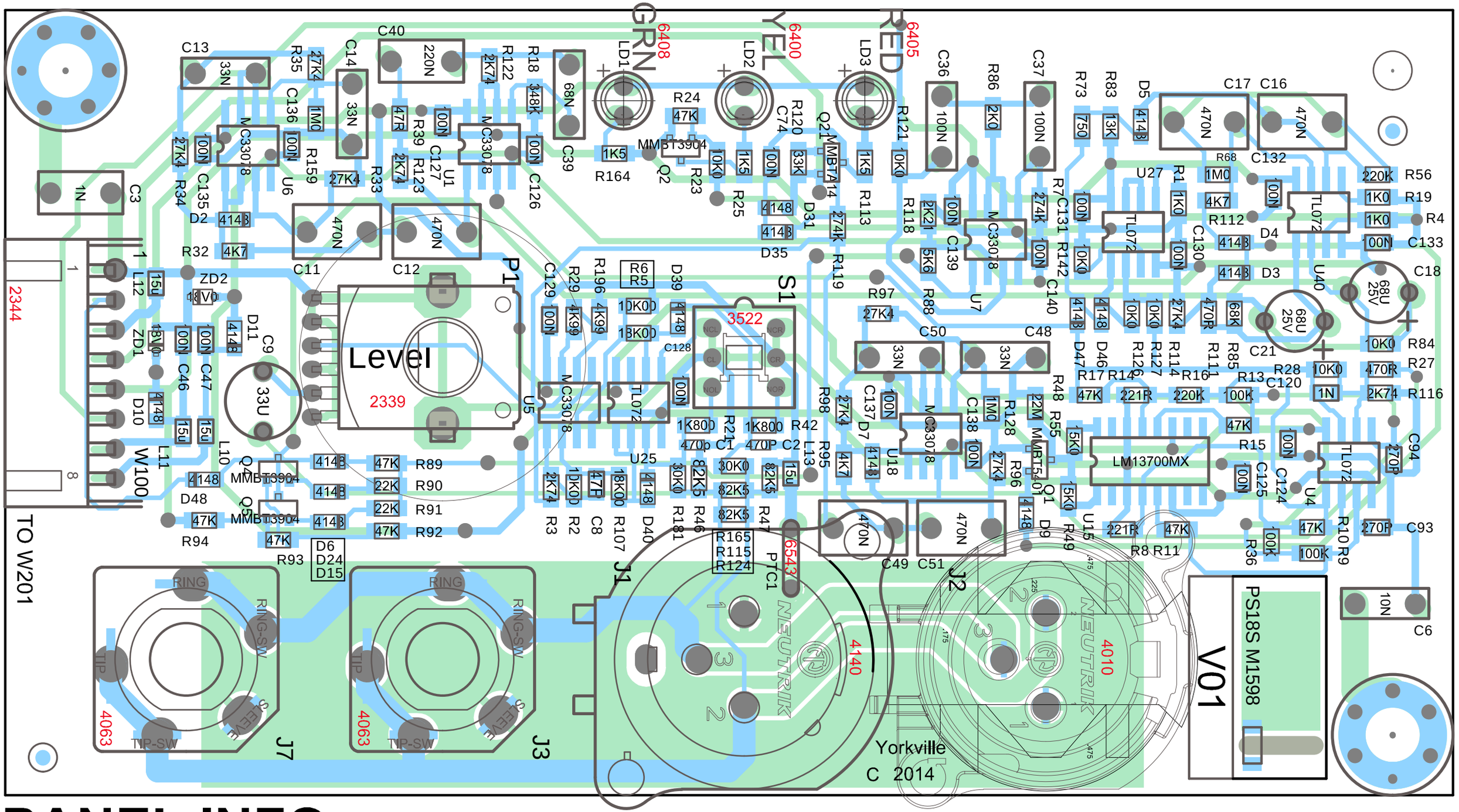
LM13700MX

THIS SHEET CONTAINS A CHANGE HISTORY LOG, A LIST OF THE POTS & KNOBS AND A LEADS & PINS REFERENCE SECTION.

Yorkville

Section:	Design Information And History			
Product(s):	PS SUBS INPUT BOARD			
PCB#: X8022	Rev#: V01	EML Rev#: 01	Sheet 1	Of 2
Modified: 9/17/2014	File: History.SchDoc		Tmp Rev: TemplateRev	

PS18S-M1598V01



PANEL INFO

BlankSize - 14000x5800
# of boards per panel: 5
Step & Repeat: X5@2.600Y1@0.000

PCB ASSEMBLY DOCUMENTATION

SPECIAL PRODUCTION NOTES

1. THIS BOARD IS FOR PS SERIES SUBS:

M1596 FOR PS12S
M1597 FOR PS15S
M1598 FOR PS18S

SEE SMT JUMPERS TO IDENTIFY

PCB HARDWARE

THIS SHEET CONTAINS SPECIAL PRODUCTION NOTES AND A LIST OF PCB HARDWARE PARTS REQUIRED FOR THE BUILD.

Yorkville	Section: Assembly Documentation				
	Product(s): PS SUBS				
	PCB#: X8022	Rev#: V01	EML Rev#: 01	Sheet 1 Of *	
	Modified: 9/17/2014	File: Assembly.SchDoc		Tmp Date: 03/15/2013	

DESIGN HISTORY AND INFORMATION

CHANGE HISTORY

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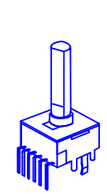
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POTENTIOMETERS AND KNOBS

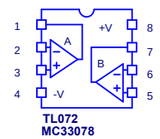
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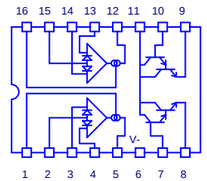
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"STYLE_P34"



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LM13700MX

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PCB#: X8022	Rev#: V01	EML Rev#: 01	Sheet 1	Of 2
Modified: 9/17/2014	File: History.SchDoc		Tmp Rev: TemplateRev	