

Yorkville

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WORLD HEADQUARTERS

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Quality and Innovation Since 1963

Printed in Canada

Yorkville

SERVICE MANUAL

PS12S•PS15S•PS18S

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.

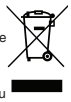
Yorkville Sound will repair and replace defective SMT components to ensure proper quality assurance and installation is maintained.

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 électrique.





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!

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

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.

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.



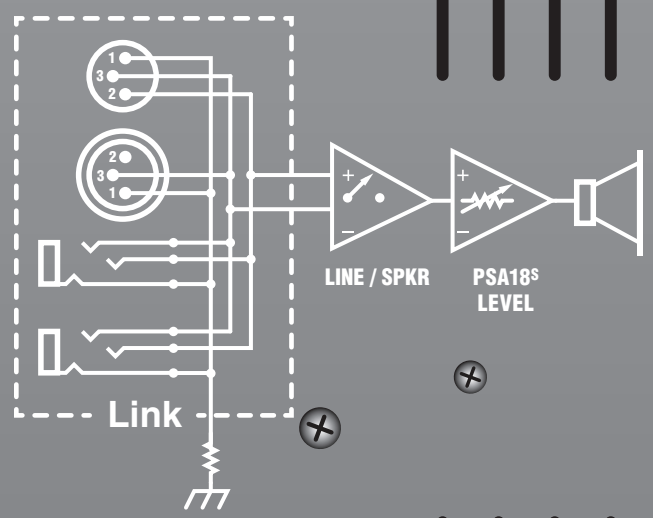


AVIS
POUR PRÉVENIR LES RISQUES D'ÉLECTROCUTION,
NE PAS RACCORDER A L'ALIMENTATION ÉLECTRIQUE ALORS
QUE LA GRILLE EST RETIRÉE.



PS18S

PARASOURCE SERIES



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



Yorkville

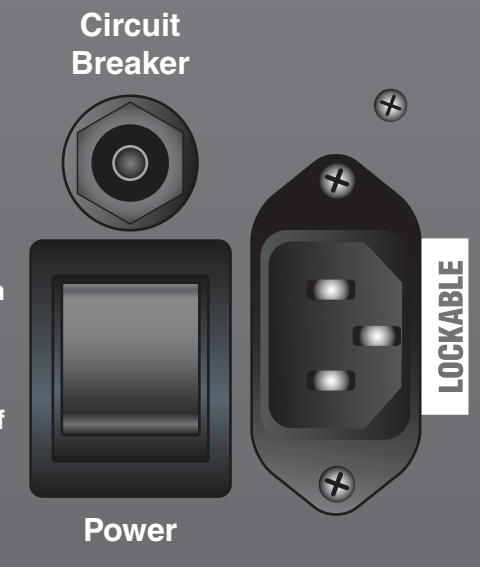
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CAUTION *AVIS*
RISK OF ELECTRIC SHOCK DO NOT OPEN
RISQUE DE CHOC ELECTRIQUE NE PAS OUVRIR

TYPE: YS1114 A-Z1601C / 1v2

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

DESIGNED & MANUFACTURED BY YORKVILLE SOUND • TORONTO, CANADA



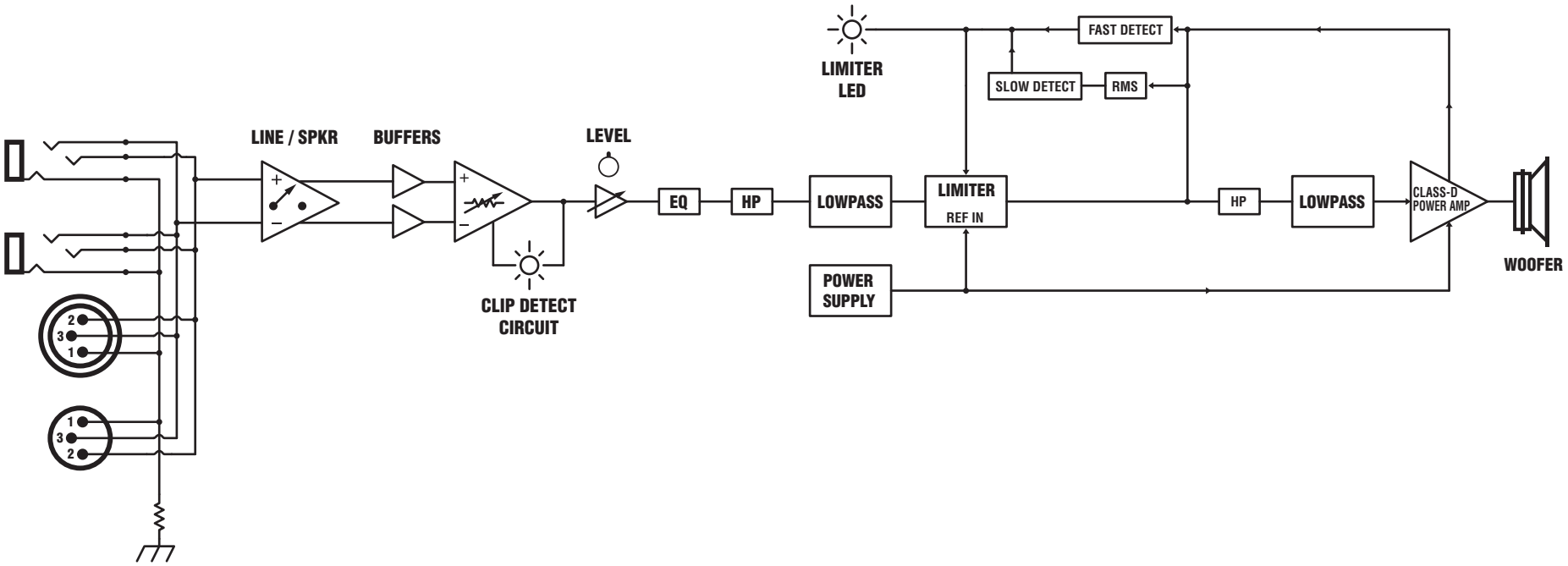
Specifications			
	PS12S	**PS15S**	**PS18S**
Active or Passive	Active	Active	Active
Program Power (Watts)	900 Watts Program (1800 Watts Peak)	1000 Watts Program (2000 Watts Peak)	1200 Watts Program (2400 Watts Peak)
Max SPL (dB)	129dB Peak (123dB Continuous)	132dB Peak (126dB Continuous)	135dB Peak (129dB 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

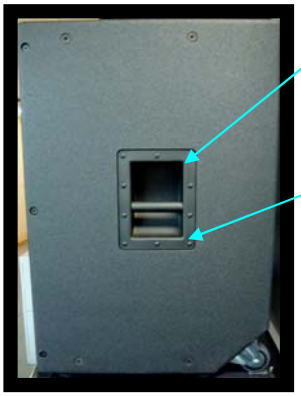


PS18S

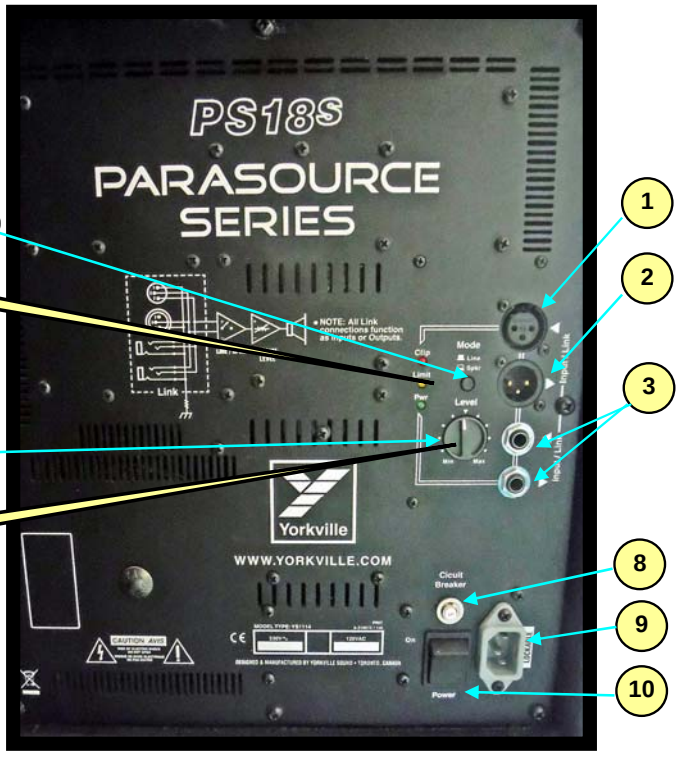
PARASOURCE SERIES

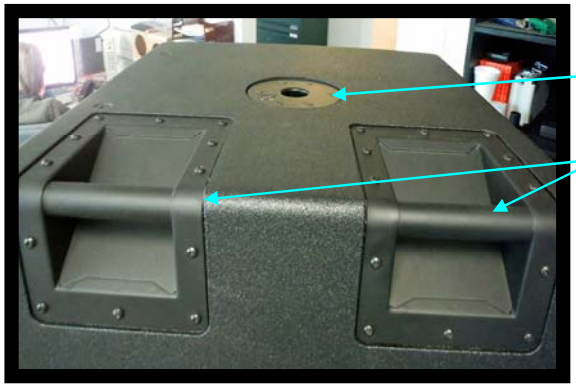
#	Part#	Description	qty
Labeled Components			
1	4010	XLR FEML PCB MT VERT 24MM AA-SERIES	1
2	4140	XLR MALE PCB MT VERT 24MM A-SERIES	1
3	4063	1/4IN ISO JCK PCMT VT STER RT SWT	2
4	3522	DPDT MINI PC VERT SNP ALT	1
5	8637	ROUND PUSH BUTTON 1/4" BLK 24MM	1
6	2339	_10K B LIN 12MM DUAL 21DET P34	1
7	8653	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 7/12/2018

YS #	Description	Qty.	YS #	Description	Qty.	YS #	Description	Qty.
2306	FOD816 4PINDIP ACINPUT OPTOCOUPLER	1	7628	W100 15K0 1% 0805 SMT RES	2	8485	#6 SPLIT WASHER ZINC	3
2307	IRGP35B60PDPBF T0247 NPN IGBT TM	2	7630	W100 182K 1% 0805 SMT RES	3	8545	RECESSED RUBBER BUMPER WITH WASHER	4
2328	8 CIR XH-HEADER 0.098IN	1	7631	W100 2K21 1% 0805 SMT RES	1	8602	1/4-20 T-NUT ZINC YELLOW	10
2339	10K B LIN 12MM DUAL 21DET P34	1	7633	W100 2K74 1% 0805 SMT RES	1	8604	10-32 T-NUT ZINC CLEAR	16
2344	8 CIR XH-HEADER RA 0.098IN	1	7633	W100 2K74 1% 0805 SMT RES	4	8637	ROUND PUSH BUTTON 1/4" BLK 24MM	1
2455	METAL HEX NUT 3/8-24 (USE W/ 2454)	3	7634	W100 20K5 1% 0805 SMT RES	1	8657	6-32X3/8 ALUM HEX SPACER	5
2906	486UH COIL COMMON MODE 8A SMT	1	7635	W100 221R 1% 0805 SMT RES	2	8681	4-40 X .940" ALUMINUM HEX SPACER	3
3036	PATCH 08 22AWG 09.0 XH FLAT	1	7636	W100 27K4 1% 0805 SMT RES	7	8701	4-40 KEPS NUT ZINC	4
3426	8' 3/16 SJT AC LINE CORD REMOVB-CSA	1	7645	W100 475K 1% 0805 SMT RES	1	8786	10-32X11/4 PAN QUAD MS TBZ	8
3501	#4 B52200F006 COMP WASH SMALL	2	7649	W125 1K50 1% 0805 SMT RES	2	8800	6-32 KEPS NUT ZINC	2
3522	DPDT MINI PC VERT SNP ALT	1	7676	W100 2K0 1% 0805 SMT RES	1	8801	6-32X3/8 PAN PHIL TRILOBE TBZ	8
3538	24 PIN BREAKAWAY LOCK .156	0.167	7679	W100 4K99 1% 0805 SMT RES	2	8814	ES1J 600V 1A0 D214 SMT SMC	16
3543	4 PIN BREAKAWAY RA 90 LOCK .1563	1	7680	W100 6K98 1% 0805 SMT RES	5	8818	3/4ODX3/8IDX.080 THICK WASHER	1
3558	TERM HOUSING 4 CIR .156/RAMP	3	7686	W100 274K 1% 0805 SMT RES	2	8822	6-32X1/4 PAN PH MS MED L/W SEMS ZN	4
3576	SOCKET TERMINAL 14-20 AWG TAPE/REEL	14	7686	W100 274K 1% 0805 SMT RES	1	8823	6-32 X 1 PAN PHILIP TAPTITE TBZ	18
3601	RING TERMINAL 16AWG WIRE & #8 SCREW	12	7687	W100 348K 1% 0805 SMT RES	1	8827	4-40 X 1/2" FLAT PHIL TAPTITE TBZ	4
3749	3/8X.170ID.31OD NYLON SPACER	8	7693	1N 50V 5%CAP 0805 SMT NPO	1	8829	6-32 X 3/8 FLAT PHIL TAPTITE TBZ	1
3810	4" NYLON CABLE TIE	5	7693	1N 50V 5%CAP 0805 SMT NPO	1	8837	6-32X1/2 ROUND PH MS JS500	2
3958	BLK 18AWG 36STND WIRE DOU/INS	1.749	7703	W125 82K5 1% 0805 SMT RES	2	8871	4-40X5/8 PAN PHILIPS MS BO&W	2
4007	.9 LED CUSTOM SPACER	3	7703	W125 82K5 1% 0805 SMT RES	4	8898	1/4-20 CAGE NUT	4
4047	BLK 16AWG TR64 STRANDED WIRE	14.832	7735	4U7 50V 10%CAP 1210 SMT CER	2	8902	4-40X3/4 PAN PHILIPS MS TBZ	2
4063	1/4IN ISO JCK PCMT VT STER RT SWT	2	7750	CDSF4148 75V 0A15 1005 SMT	18	8926	5/16-18X3 CARRIAGE BOLT FT TBZ	1
4088	RECEPTACLE:V-LOCK INLET	1	7761	W100 12K1 1% 0603 SMT RES	1	9001	4-40X5/16 PAN PH MS ZN W/STAR WASHR	6
4093	CONN PLUG 2 POS. .084" V-2 FEMALE	1	7802	1W00 1R0 5% 2512 SMT RES	1	9016	16GA COLD ROLLED STEEL 3'X8' SHEET	2
4140	XLR MALE PCB MT VERT 24MM A-SERIES	2	7806	MMBF4391LT1 NCH JFET SOT-23 SMT T&R	1	9877	METAL GRILL CLOTH BACKING 72" WIDE	5.7
4146	3 PIN POWER PIN HEADER MALE POLZED	1	7813	47P 50V 5%CAP 0805 SMT NPO	1	9931	6-32 NYLON INSERT LOCK NUT	17
4147	6 PIN POWER PIN HEADER MALE POLZED	2	7817	33078 DUAL OPAMP SMT SO-8	2	9977	5/16-18 NYLON INSERT LOK NUT ZN CLR	1
4151	4 PIN POWER PIN HEADER MALE POLZED	1	7817	33078 DUAL OPAMP SMT SO-8	9	6497CORE	77111-A7 KOOL MU POWDER CORES	1
4162	2 PIN POWER PIN HEADER MALE POLZED	1	7824	W125 47K5 1% 0805 SMT RES	1	8653C	LOW PROFILE POINTER AT 12 KNOB	1
4181	TO220 THERMO PAD CERAMIC .080 THK	2	7828	LM13700M XCONDUCTANC AMP SMT IC	1	9401SS	#10X3/4 PAN PHIL SS TYPE A BO&W	20
4184	DPST ROKR SW QUIK 250" AC/PWR IEC6	1	7832	MM3Z18VT1G 18V0 0W2 5% SMT ZEN	1	9404SS	1/4-20X23MM SS JOINT CONN BOLT BO	4
4768	5W00 12K 5% BLK RES	1	7832	MM3Z18VT1G 18V0 0W2 5% SMT ZEN	2	9407SS	1/4-20X1X3/4 SS FLAT PHIL MS BO&	6
4931	470K 5% THERMISTOR NTC 0805 SMT	1	7838	MMBT3904 NPN SOT-23 SMT	5	9414SS	10-32X1X1/4 PAN QUAD SS MS B.O.&	8
5204	10N 100V 10%CAP T&R RAD .2FLM	1	7852	W250 10R 5% 1206 SMT RES	4	9419SS	1/4-20X1X1/4 SS TRUSS PH MS B.O.&W	4
5212	100N 63V 5%CAP T&R RAD .2FLM	4	7854	W125 47R 5% 0805 SMT RES	1	CH1417U	XFMR: NX55P-2,PS12S/15S/18S	1
5212	100N 63V 5%CAP T&R RAD .2FLM	2	7854	W125 47R 5% 0805 SMT RES	1			
5213	1N 630V 5%CAP T&R RAD PRO.2FM	1	7856	W125 470R 5% 0805 SMT RES	3			
5220	1N 1000V 5%CAP POLYPROP BULK	1	7856	W125 470R 5% 0805 SMT RES	2			
5222	33N 100V 10%CAP T&R RAD .2FLM	4	7858	W125 1K5 5% 0805 SMT RES	3			
5224	47N 100V 10%CAP T&R RAD .2FLM	1	7859	W125 2K2 5% 0805 SMT RES	2			
5226	68N 100V 5%CAP T&R RAD .2FLM	1	7860	W125 4K7 5% 0805 SMT RES	5			
5231	220N 63V 5%CAP T&R RAD .2FLM	1	7860	W125 4K7 5% 0805 SMT RES	3			
5231	220N 63V 5%CAP T&R RAD .2FLM	1	7863	W125 33K 5% 0805 SMT RES	1			
5234	470N 63V 10%CAP T&R RAD .2FLM	6	7864	W125 100K 5% 0805 SMT RES	2			
5242	100N 250V 20%CAP BLK 'X2' 15MM AC	1	7864	W125 100K 5% 0805 SMT RES	3			
5255	1U 63V 20%CAP T&R RAD UGT 5254	2	7871	470P 50V 5%CAP 0603 SMT NPO	2			
5257	2U2 63V 20%CAP T&R RAD .2EL	1	7878	1U 25V 20%CAP 1206 SMT X7R	1			
5259	4U7 63V 20%CAP T&R RAD .2	2	7882	W250 0R 1206 SMT RES	3			
5260	22U 50V 20%CAP T&R RAD .2EL	1	7895	FUSE SLOW 7A 125V SMT 6125	2			
5265	68U 25V 20%CAP T&R RAD .2EL	2	7898	W125 1K02 0.1% 0805 SMT RES	4			
5266	680N 250V 20%CAP BLK 'X2' 27MM AC	1	7899	W125 1K800 0.1% 0805 SMT RES	2			
5282	10U 16V 20%CAP T&R 5X7MM .2NP	1	7900	W125 30K 0.5% 0805 SMT RES	2			
5887	2200U 50V 20%CAP BLK 18X27MM EL	2	7902	1W00 1K8 5% 2512 SMT RES	1			
5935	3300U 200V 10%CAP BLK 40X60MM 4PS	2	7928	W125 10K00 0.1% 0805 SMT RES	9			
5951	3U3 450DC10%CAP BLK MPOLYP FLM	1	7929	W125 18K00 0.1% 0805 SMT RES	2			
5961	33U 16V 20%CAP T&R RAD .2IN NP	1	7930	W250 22R 5% 1206 SMT RES	2			
5962	2U2 140AC10%CAP BLK RAD POLYP FLM	2	7931	270P 50V 5%CAP 0805 SMT NPO	2			
5972	680N 400V 5%CAP BLK RAD POLY FLM	2	7967	15.0UH COIL 0805 SMT	4			
5979	100N 50V 5%CAP 0805 SMT X7R	17	7969	10U 10V 20%CAP 0805 SMT Y5V	2			
5979	100N 50V 5%CAP 0805 SMT X7R	19	7974	1000UH 10% COIL 12MM SMT	1			
6400	YEL 3MM LED 2V1 20MA DIFFUSD	1	7980	2W00 0R1 5% 2512 SMT RES	5			
6405	RED 3MM LED 2V1 20MA DIFFUSD	1	8051	W125 68K 5% 0805 SMT RES	1			
6408	GRN 3MM LED 2V2 20MA DIFFUSD	1	8104	150P 100V 5%CAP 0805 SMTNPO	1			
6451	4N7 250V 20%CAP BLK 'Y' 10MM AC	1	8135	W125 47K 5% 0805 SMT RES	9			
6492	1300UH COIL COMMON MODE 4AMP	1	8137	W125 1K62 1% 0805 SMT RES	1			
6497	304UH CHOKE 95T18AWG/77111MAGNTKS	1	8163	TL331 COMPARATOR IC SMT SOT235	3			
6543	48R 265V RESETTABLE THERMISTOR PTC	1	8164	BZX84C22 22V0 0W3 5% SMT ZEN	1			
6586	IRS21844PBF IC HILO FET DRIVER	1	8165	MMBTA92 PNP SOT-23 SMT	2			
6775	BRIDGE 25A 600V WIRE LEAD SIP	1	8178	470P 250V 5%CAP 0603 SMT NP0	2			
6857	NJM7915FA TO220 N 15V0 REG IS V2	2	8180	W125 22M0 5% 0805 SMT RES	1			
7545	12" 4R 600WPGM SPKR	1	8181	W125 5K6 1% 0805 SMT RES	1			
7603	680P 50V 5%CAP 0805 SMT C0G	1	8182	W125 22K 5% 0805 SMT RES	2			
7619	BZX84C43 43V0 0W3 5% SMT ZEN	1	8183	1W00 2R0 1% 2512 SMT RES	2			
7621	W100 1K0 1% 0805 SMT RES	2	8184	W125 220K 5% 0805 SMT RES	2			
7622	W100 1M0 1% 0805 SMT RES	3	8206	YORKVILLE LOGO METALPHOTO	1			
7622	W100 1M0 1% 0805 SMT RES	3	8211	LNK302G OFFLINE SWITCH SMT SMD8B	1			
7624	W100 100R 1% 0805 SMT RES	1	8213	W250 330R 5% 1206 SMT RES	1			
7625	W100 10K0 1% 0805 SMT RES	3	8387	PS NEO SC41 1/16" X 0.5" X 100' ROL	9			
7627	W100 13K 1% 0805 SMT RES	1	8387	PS NEO SC41 1/16" X 0.5" X 100' ROL	3			
7627	W100 13K 1% 0805 SMT RES	1	8482	3/8 1D FLAT WASHER	2			

PS15S Parts List 7/12/2018

YS #	Description	Qty.	YS #	Description	Qty.	YS #	Description	Qty.
2306	FOD816 4PINDIP ACINPUT OPTOCOUPLER	1	7627	W100 13K 1% 0805 SMT RES	1	8485	#6 SPLIT WASHER ZINC	3
2307	IRGP35B60PDPBF T0247 NPN IGBT TM	2	7628	W100 15K0 1% 0805 SMT RES	2	8545	RECESSED RUBBER BUMPER WITH WASHER	4
2328	8 CIR XH-HEADER 0.098IN	1	7630	W100 182K 1% 0805 SMT RES	3	8602	1/4-20 T-NUT ZINC YELLOW	10
2339	10K B LIN 12MM DUAL 21DET P34	1	7631	W100 2K21 1% 0805 SMT RES	1	8604	10-32 T-NUT ZINC CLEAR	16
2344	8 CIR XH-HEADER RA 0.098IN	1	7633	W100 2K74 1% 0805 SMT RES	1	8637	ROUND PUSH BUTTON 1/4" BLK 24MM	1
2455	METAL HEX NUT 3/8-24 (USE W/ 2454)	3	7633	W100 2K74 1% 0805 SMT RES	4	8657	6-32X3/8 ALUM HEX SPACER	5
2906	486UH COIL COMMON MODE 8A SMT	1	7634	W100 20K5 1% 0805 SMT RES	1	8681	4-40 X .940" ALUMINUM HEX SPACER	3
3036	PATCH 08 22AWG 09.0 XH FLAT	1	7635	W100 221R 1% 0805 SMT RES	2	8701	4-40 KEPS NUT ZINC	4
3426	8' 3/16 SJT AC LINE CORD REMOVB-CSA	1	7636	W100 27K4 1% 0805 SMT RES	7	8786	10-32X11/4 PAN QUAD MS TBZ	8
3501	#4 B52200F006 COMP WASH SMALL	2	7639	W100 357K 1% 0805 SMT RES	1	8800	6-32 KEPS NUT ZINC	2
3522	DPDT MINI PC VERT SNP ALT	1	7649	W125 1K50 1% 0805 SMT RES	2	8801	6-32X3/8 PAN PHIL TRILOBE TBZ	8
3538	24 PIN BREAKAWAY LOCK .156	0.167	7676	W100 2K0 1% 0805 SMT RES	1	8811	#6X1X1/4 FLAT HD SQ SCKT WS ZN	20
3543	4 PIN BREAKAWAY RA 90 LOCK .1563	1	7679	W100 4K99 1% 0805 SMT RES	2	8814	ES1J 600V 1A0 D214 SMT SMC	16
3558	TERM HOUSING 4 CIR .156/RAMP	3	7680	W100 6K98 1% 0805 SMT RES	5	8818	3/4ODX3/8IDX.080 THICK WASHER	1
3576	SOCKET TERMINAL 14-20 AWG TAPE/REEL	14	7686	W100 274K 1% 0805 SMT RES	2	8822	6-32X1/4 PAN PH MS MED L/W SEMS ZN	4
3601	RING TERMINAL 16AWG WIRE & #8 SCREW	10	7686	W100 274K 1% 0805 SMT RES	1	8823	6-32 X 1 PAN PHILIP TAPTITE TBZ	18
3749	3/8X.170ID.31OD NYLON SPACER	8	7687	W100 348K 1% 0805 SMT RES	1	8827	4-40 X 1/2" FLAT PHIL TAPTITE TBZ	7
3810	4" NYLON CABLE TIE	5	7693	1N 50V 5%CAP 0805 SMT NPO	1	8829	6-32 X 3/8 FLAT PHIL TAPTITE TBZ	1
3958	BLK 18AWG 36STND WIRE DOU/INS	1.749	7693	1N 50V 5%CAP 0805 SMT NPO	1	8837	6-32X1/2 ROUND PH MS JS500	2
4007	.9 LED CUSTOM SPACER	3	7703	W125 82K5 1% 0805 SMT RES	2	8871	4-40X5/8 PAN PHILIPS MS BO&W	2
4047	BLK 16AWG TR64 STRANDED WIRE	14.832	7703	W125 82K5 1% 0805 SMT RES	4	8898	1/4-20 CAGE NUT	4
4063	1/4IN ISO JCK PCMT VT STER RT SWT	2	7735	4U7 50V 10%CAP 1210 SMT CER	2	8902	4-40X3/4 PAN PHILIPS MS TBZ	2
4088	RECEPTACLE:V-LOCK INLET	1	7750	CDSF4148 75V 0A15 1005 SMT	18	8926	5/16-18X3 CARRIAGE BOLT FT TBZ	1
4093	CONN PLUG 2 POS. .084" V-2 FEMALE	1	7761	W100 12K1 1% 0603 SMT RES	1	9001	4-40X5/16 PAN PH MS ZN W/STAR WASHR	6
4140	XLR MALE PCB MT VERT 24MM A-SERIES	2	7802	1W00 1R0 5% 2512 SMT RES	1	9877	METAL GRILL CLOTH BACKING 72" WIDE	6.9
4146	3 PIN POWER PIN HEADER MALE POLZED	1	7806	MMBF4391LT1 NCH JFET SOT-23 SMT T&R	1	9931	6-32 NYLON INSERT LOCK NUT	17
4147	6 PIN POWER PIN HEADER MALE POLZED	2	7813	47P 50V 5%CAP 0805 SMT NPO	1	9977	5/16-18 NYLON INSERT LOK NUT ZN CLR	1
4151	4 PIN POWER PIN HEADER MALE POLZED	1	7817	33078 DUAL OPAMP SMT SO-8	2	6497CORE	77111-A7 KOOL MU POWDER CORES	1
4162	2 PIN POWER PIN HEADER MALE POLZED	1	7817	33078 DUAL OPAMP SMT SO-8	9	8653C	LOW PROFILE POINTER AT 12 KNOB	1
4181	TO220 THERMO PAD CERAMIC .080 THK	2	7824	W125 47K5 1% 0805 SMT RES	1	9401SS	#10X3/4 PAN PHIL SS TYPE A BO&W	20
4184	DPST ROKR SW QUIK 250" AC/PWR IEC6	1	7828	LM13700M XCONDUCTANC AMP SMT IC	1	9404SS	1/4-20X23MM SS JOINT CONN BOLT BO	4
4768	5W00 12K 5% BLK RES	1	7832	MM3Z18VT1G 18V0 0W2 5% SMT ZEN	1	9407SS	1/4-20X1X3/4 SS FLAT PHIL MS BO&	6
4931	470K 5% THERMISTOR NTC 0805 SMT	1	7832	MM3Z18VT1G 18V0 0W2 5% SMT ZEN	2	9414SS	10-32X1X1/4 PAN QUAD SS MS B.O.&	16
5204	10N 100V 10%CAP T&R RAD .2FLM	1	7838	MMBT3904 NPN SOT-23 SMT	5	9419SS	1/4-20X1X1/4 SS TRUSS PH MS B.O.&W	4
5212	100N 63V 5%CAP T&R RAD .2FLM	4	7852	W250 10R 5% 1206 SMT RES	4	CH1417U	XFMR: NX55P-2,PS12S/15S/18S	1
5212	100N 63V 5%CAP T&R RAD .2FLM	2	7854	W125 47R 5% 0805 SMT RES	1			
5213	1N 630V 5%CAP T&R RAD PRO.2FM	1	7854	W125 47R 5% 0805 SMT RES	1			
5220	1N 1000V 5%CAP POLYPROP BULK	1	7856	W125 470R 5% 0805 SMT RES	3			
5222	33N 100V 10%CAP T&R RAD .2FLM	4	7856	W125 470R 5% 0805 SMT RES	2			
5224	47N 100V 10%CAP T&R RAD .2FLM	1	7859	W125 2K2 5% 0805 SMT RES	2			
5226	68N 100V 5%CAP T&R RAD .2FLM	1	7860	W125 4K7 5% 0805 SMT RES	5			
5231	220N 63V 5%CAP T&R RAD .2FLM	1	7860	W125 4K7 5% 0805 SMT RES	3			
5231	220N 63V 5%CAP T&R RAD .2FLM	1	7863	W125 33K 5% 0805 SMT RES	1			
5234	470N 63V 10%CAP T&R RAD .2FLM	6	7864	W125 100K 5% 0805 SMT RES	2			
5242	100N 250V 20%CAP BLK 'X2' 15MM AC	1	7864	W125 100K 5% 0805 SMT RES	3			
5255	1U 63V 20%CAP T&R RAD UGT 5254	2	7871	470P 50V 5%CAP 0603 SMT NPO	2			
5257	2U2 63V 20%CAP T&R RAD .2EL	1	7878	1U 25V 20%CAP 1206 SMT X7R	1			
5259	4U7 63V 20%CAP T&R RAD .2	2	7882	W250 0R 1206 SMT RES	3			
5260	22U 50V 20%CAP T&R RAD .2EL	1	7895	FUSE SLOW 7A 125V SMT 6125	2			
5265	68U 25V 20%CAP T&R RAD .2EL	2	7899	W125 1K800 0.1% 0805 SMT RES	2			
5266	680N 250V 20%CAP BLK 'X2' 27MM AC	1	7900	W125 30K 0.5% 0805 SMT RES	2			
5282	10U 16V 20%CAP T&R 5X7MM .2NP	1	7902	1W00 1K8 5% 2512 SMT RES	1			
5887	2200U 50V 20%CAP BLK 18X27MM EL	2	7928	W125 10K00 0.1% 0805 SMT RES	9			
5935	3300U 200V 10%CAP BLK 40X60MM 4PS	2	7929	W125 18K00 0.1% 0805 SMT RES	2			
5951	3U3 450DC10%CAP BLK MPOLYP FLM	1	7930	W250 22R 5% 1206 SMT RES	2			
5961	33U 16V 20%CAP T&R RAD .2IN NP	1	7931	270P 50V 5%CAP 0805 SMT NPO	2			
5962	2U2 140AC10%CAP BLK RAD POLYP FLM	2	7967	15.0UH COIL 0805 SMT	4			
5972	680N 400V 5%CAP BLK RAD POLY FLM	2	7969	10U 10V 20%CAP 0805 SMT Y5V	2			
5979	100N 50V 5%CAP 0805 SMT X7R	17	7974	1000UH 10% COIL 12MM SMT	1			
5979	100N 50V 5%CAP 0805 SMT X7R	19	7980	2W00 0R1 5% 2512 SMT RES	5			
6400	YEL 3MM LED 2V1 20MA DIFFUSD	1	8051	W125 68K 5% 0805 SMT RES	1			
6405	RED 3MM LED 2V1 20MA DIFFUSD	1	8104	150P 100V 5%CAP 0805 SMTNPO	1			
6408	GRN 3MM LED 2V2 20MA DIFFUSD	1	8135	W125 47K 5% 0805 SMT RES	9			
6451	4N7 250V 20%CAP BLK 'Y' 10MM AC	1	8137	W125 1K62 1% 0805 SMT RES	1			
6492	1300UH COIL COMMON MODE 4AMP	1	8163	TL331 COMPARATOR IC SMT SOT235	3			
6497	304UH CHOKE 95T18AWG/77111MAGNTKS	1	8164	BZX84C22 22V0 0W3 5% SMT ZEN	1			
6543	48R 265V RESETTABLE THERMISTOR PTC	1	8165	MMBTA92 PNP SOT-23 SMT	2			
6586	IRS21844PBF IC HILO FET DRIVER	1	8178	470P 250V 5%CAP 0603 SMT NP0	2			
6775	BRIDGE 25A 600V WIRE LEAD SIP	1	8180	W125 22M0 5% 0805 SMT RES	1			
6857	NJM7915FA TO220 N 15V0 REG IS V2	2	8181	W125 5K6 1% 0805 SMT RES	1			
7599	15" 4R 1000WPGM SPEAKER NEW BASKET	1	8182	W125 22K 5% 0805 SMT RES	2			
7603	680P 50V 5%CAP 0805 SMT C0G	1	8183	1W00 2R0 1% 2512 SMT RES	2			
7619	BZX84C43 43V0 0W3 5% SMT ZEN	1	8184	W125 220K 5% 0805 SMT RES	2			
7621	W100 1K0 1% 0805 SMT RES	2	8206	YORKVILLE LOGO METALPHOTO	1			
7621	W100 1K0 1% 0805 SMT RES	3	8211	LNK302G OFFLINE SWITCH SMT SMD8B	1			
7622	W100 1M0 1% 0805 SMT RES	3	8212	W125 1K54 1% 0805 SMT RES	4			
7622	W100 1M0 1% 0805 SMT RES	3	8213	W250 330R 5% 1206 SMT RES	1			
7624	W100 100R 1% 0805 SMT RES	1	8387	PS NEO SC41 1/16" X 0.5" X 100' ROL	3			
7625	W100 10K0 1% 0805 SMT RES	3	8387	PS NEO SC41 1/16" X 0.5" X 100' ROL	13.5			
7627	W100 13K 1% 0805 SMT RES	1	8482	3/8 1D FLAT WASHER	2			

PS18S Parts List 7/12/2018

YS #	Description	Qty.	YS #	Description	Qty.	YS #	Description	Qty.
2306	FOD816 4PINDIP ACINPUT OPTOCOUPLER	1	7627	W100 13K 1% 0805 SMT RES	1	8485	#6 SPLIT WASHER ZINC	3
2307	IRGP35B60PDPBF T0247 NPN IGBT TM	2	7628	W100 15K0 1% 0805 SMT RES	2	8602	1/4-20 T-NUT ZINC YELLOW	18
2328	8 CIR XH-HEADER 0.098IN	1	7630	W100 182K 1% 0805 SMT RES	3	8604	10-32 T-NUT ZINC CLEAR	16
2339	_10K B LIN 12MM DUAL 21DET P34	1	7631	W100 2K21 1% 0805 SMT RES	1	8637	ROUND PUSH BUTTON 1/4" BLK 24MM	1
2344	8 CIR XH-HEADER RA 0.098IN	1	7633	W100 2K74 1% 0805 SMT RES	1	8657	6-32X3/8 ALUM HEX SPACER	5
2455	METAL HEX NUT 3/8-24 (USE W/ 2454)	3	7633	W100 2K74 1% 0805 SMT RES	4	8665	.5X.145ID.25OD ALUM SPACER	4
2906	486UH COIL COMMON MODE 8A SMT	1	7634	W100 20K5 1% 0805 SMT RES	1	8681	4-40 X .940" ALUMINUM HEX SPACER	3
3036	PATCH 08 22AWG 09.0 XH FLAT	1	7635	W100 221R 1% 0805 SMT RES	2	8701	4-40 KEPS NUT ZINC	4
3426	8' 3/16 SJT AC LINE CORD REMOVB-CSA	1	7636	W100 27K4 1% 0805 SMT RES	7	8786	10-32X11/4 PAN QUAD MS TBZ	8
3501	#4 B52200F006 COMP WASH SMALL	2	7649	W125 1K50 1% 0805 SMT RES	2	8800	6-32 KEPS NUT ZINC	2
3522	DPDT MINI PC VERT SNP ALT	1	7676	W100 2K0 1% 0805 SMT RES	1	8801	6-32X3/8 PAN PHIL TRILOBE TBZ	8
3538	24 PIN BREAKAWAY LOCK .156	0.167	7679	W100 4K99 1% 0805 SMT RES	2	8811	#6X1X1/4 FLAT HD SQ SCKT WS ZN	20
3543	4 PIN BREAKAWAY RA 90 LOCK .1563	1	7680	W100 6K98 1% 0805 SMT RES	5	8814	ES1J 600V 1A0 D214 SMT SMC	16
3558	TERM HOUSING 4 CIR .156/RAMP	3	7686	W100 274K 1% 0805 SMT RES	2	8818	3/4ODX3/8IDX.080 THICK WASHER	1
3576	SOCKET TERMINAL 14-20 AWG TAPE/REEL	14	7686	W100 274K 1% 0805 SMT RES	2	8822	6-32X1/4 PAN PH MS MED L/W SEMS ZN	4
3601	RING TERMINAL 16AWG WIRE & #8 SCREW	10	7687	W100 348K 1% 0805 SMT RES	1	8823	6-32 X 1 PAN PHILIP TAPTITE TBZ	18
3749	3/8X.170ID.31OD NYLON SPACER	8	7693	__1N 50V 5%CAP 0805 SMT NPO	1	8827	4-40 X 1/2" FLAT PHIL TAPTITE TBZ	7
3810	4" NYLON CABLE TIE	5	7693	__1N 50V 5%CAP 0805 SMT NPO	1	8829	6-32 X 3/8 FLAT PHIL TAPTITE TBZ	1
3958	BLK 18AWG 36STND WIRE DOU/INS	1.749	7703	W125 82K5 1% 0805 SMT RES	2	8837	6-32X1/2 ROUND PH MS JS500	2
4007	.9 LED CUSTOM SPACER	3	7703	W125 82K5 1% 0805 SMT RES	4	8871	4-40X5/8 PAN PHILIPS MS BO&W	2
4047	BLK 16AWG TR64 STRANDED WIRE	14.832	7735	4U7 50V 10%CAP 1210 SMT CER	2	8898	1/4-20 CAGE NUT	6
4063	1/4IN ISO JCK PCMT VT STER RT SWT	2	7750	CDSF4148 75V 0A15 1005 SMT	18	8902	4-40X3/4 PAN PHILIPS MS TBZ	2
4088	RECEPTACLE:V-LOCK INLET	1	7761	W100 12K1 1% 0603 SMT RES	1	8926	5/16-18X3 CARRIAGE BOLT FT TBZ	1
4093	CONN PLUG 2 POS. .084" V-2 FEMALE	1	7802	1W00 1R0 5% 2512 SMT RES	1	9001	4-40X5/16 PAN PH MS ZN W/STAR WASHR	3
4140	XLR MALE PCB MT VERT 24MM A-SERIES	2	7806	MMBF4391LT1 NCH JFET SOT-23 SMT T&R	1	9016	16GA COLD ROLLED STEEL 3'X8' SHEET	6
4146	3 PIN POWER PIN HEADER MALE POLZED	1	7813	47P 50V 5%CAP 0805 SMT NPO	1	9070	18GA ELECTRO GALV STEEL 4'X8' SHEET	0.356
4147	6 PIN POWER PIN HEADER MALE POLZED	2	7817	33078 DUAL OPAMP SMT SO-8	2	9877	METAL GRILL CLOTH BACKING 72" WIDE	10.53
4151	4 PIN POWER PIN HEADER MALE POLZED	1	7817	33078 DUAL OPAMP SMT SO-8	9	9931	6-32 NYLON INSERT LOCK NUT	17
4162	2 PIN POWER PIN HEADER MALE POLZED	1	7824	W125 47K5 1% 0805 SMT RES	1	9970	RIGID CASTER	6
4181	TO220 THERMO PAD CERAMIC .080 THK	2	7828	LM13700M XCONDUCTANC AMP SMT IC	1	9977	5/16-18 NYLON INSERT LOK NUT ZN CLR	1
4184	DPST ROKR SW QUIK 250" AC/PWR IEC6	1	7832	MM3Z18VT1G 18V0 0W2 5% SMT ZEN	1	6497CORE	77111-A7 KOOL MU POWDER CORES	1
4768	5W00 12K 5% BLK RES	1	7832	MM3Z18VT1G 18V0 0W2 5% SMT ZEN	2	8653C	LOW PROFILE POINTER AT 12 KNOB	1
4931	470K 5% THERMISTOR NTC 0805 SMT	1	7838	MMBT3904 NPN SOT-23 SMT	5	9401SS	#10X3/4 PAN PHIL SS TYPE A BO&W	54
5204	_10N 100V 10%CAP T&R RAD .2FLM	1	7852	W250 10R 5% 1206 SMT RES	4	9404SS	1/4-20X23MM SS JOINT CONN BOLT BO	6
5212	100N 63V 5%CAP T&R RAD .2FLM	4	7854	W125 47R 5% 0805 SMT RES	1	9407SS	1/4-20X1X3/4 SS FLAT PHIL MS BO&	6
5212	100N 63V 5%CAP T&R RAD .2FLM	2	7854	W125 47R 5% 0805 SMT RES	1	9414SS	10-32X1X1/4 PAN QUAD SS MS B.O.&	8
5213	__1N 630V 5%CAP T&R RAD PRO.2FM	1	7856	W125 470R 5% 0805 SMT RES	3	9419SS	1/4-20X1X1/4 SS TRUSS PH MS B.O.&W	12
5220	1N 1000V 5%CAP POLYPROP BULK	1	7856	W125 470R 5% 0805 SMT RES	2	CH1417U	XFMR: NX55P-2,PS12S/15S/18S	1
5222	_33N 100V 10%CAP T&R RAD .2FLM	4	7858	W125 1K5 5% 0805 SMT RES	3			
5224	_47N 100V 10%CAP T&R RAD .2FLM	1	7859	W125 2K2 5% 0805 SMT RES	2			
5226	_68N 100V 5%CAP T&R RAD .2FLM	1	7860	W125 4K7 5% 0805 SMT RES	5			
5231	220N 63V 5%CAP T&R RAD .2FLM	1	7860	W125 4K7 5% 0805 SMT RES	3			
5231	220N 63V 5%CAP T&R RAD .2FLM	1	7863	W125 33K 5% 0805 SMT RES	1			
5234	470N 63V 10%CAP T&R RAD .2FLM	6	7864	W125 100K 5% 0805 SMT RES	2			
5242	100N 250V 20%CAP BLK 'X2' 15MM AC	1	7864	W125 100K 5% 0805 SMT RES	3			
5255	__1U 63V 20%CAP T&R RAD UGT 5254	2	7871	470P 50V 5%CAP 0603 SMT NPO	2			
5257	__2U2 63V 20%CAP T&R RAD .2EL	1	7878	__1U 25V 20%CAP 1206 SMT X7R	1			
5259	__4U7 63V 20%CAP T&R RAD .2	2	7882	W250 0R 1206 SMT RES	3			
5260	_22U 50V 20%CAP T&R RAD .2EL	1	7895	FUSE SLOW 7A 125V SMT 6125	2			
5265	_68U 25V 20%CAP T&R RAD .2EL	2	7899	W125 1K800 0.1% 0805 SMT RES	2			
5266	680N 250V 20%CAP BLK 'X2' 27MM AC	1	7900	W125 30K 0.5% 0805 SMT RES	2			
5282	_10U 16V 20%CAP T&R 5X7MM .2NP	1	7902	1W00 1K8 5% 2512 SMT RES	1			
5887	2200U 50V 20%CAP BLK 18X27MM EL	2	7928	W125 10K00 0.1% 0805 SMT RES	9			
5935	3300U 200V 10%CAP BLK 40X60MM 4PS	2	7929	W125 18K00 0.1% 0805 SMT RES	2			
5951	__3U3 450DC10%CAP BLK MPOLYP FLM	1	7930	W250 22R 5% 1206 SMT RES	2			
5961	_33U 16V 20%CAP T&R RAD .2IN NP	1	7931	270P 50V 5%CAP 0805 SMT NPO	2			
5962	__2U2 140AC10%CAP BLK RAD POLYP FLM	2	7951	W125 750R 1% 0805 SMT RES	1			
5972	680N 400V 5%CAP BLK RAD POLY FLM	2	7967	15.0UH COIL 0805 SMT	4			
5979	100N 50V 5%CAP 0805 SMT X7R	17	7969	_10U 10V 20%CAP 0805 SMT Y5V	2			
5979	100N 50V 5%CAP 0805 SMT X7R	19	7974	1000UH 10% COIL 12MM SMT	1			
6400	YEL 3MM LED 2V1 20MA DIFFUSD	1	7980	2W00 0R1 5% 2512 SMT RES	5			
6405	RED 3MM LED 2V1 20MA DIFFUSD	1	8051	W125 68K 5% 0805 SMT RES	1			
6408	GRN 3MM LED 2V2 20MA DIFFUSD	1	8104	150P 100V 5%CAP 0805 SMTNPO	1			
6451	__4N7 250V 20%CAP BLK 'Y' 10MM AC	1	8135	W125 47K 5% 0805 SMT RES	9			
6492	1300UH COIL COMMON MODE 4AMP	1	8137	W125 1K62 1% 0805 SMT RES	1			
6497	_304UH CHOKE 95T18AWG/77111MAGNTKS	1	8163	TL331 COMPARATOR IC SMT SOT235	3			
6543	48R 265V RESETTABLE THERMISTOR PTC	1	8164	BZX84C22 22V0 0W3 5% SMT ZEN	1			
6586	IRS21844PBF IC HILO FET DRIVER	1	8165	MMBTA92 PNP SOT-23 SMT	2			
6775	BRIDGE 25A 600V WIRE LEAD SIP	1	8178	470P 250V 5%CAP 0603 SMT NP0	2			
6857	NJM7915FA TO220 N 15V0 REG IS V2	2	8180	W125 22M0 5% 0805 SMT RES	1			
7460	18" 6R 1200WPGM SPEAKER UGT 7432	1	8181	W125 5K6 1% 0805 SMT RES	1			
7603	680P 50V 5%CAP 0805 SMT C0G	1	8182	W125 22K 5% 0805 SMT RES	2			
7619	BZX84C43 43V0 0W3 5% SMT ZEN	1	8183	1W00 2R0 1% 2512 SMT RES	2			
7621	W100 1K0 1% 0805 SMT RES	2	8184	W125 220K 5% 0805 SMT RES	2			
7621	W100 1K0 1% 0805 SMT RES	3	8206	YORKVILLE LOGO METALPHOTO	1			
7622	W100 1M0 1% 0805 SMT RES	3	8211	LNK302G OFFLINE SWITCH SMT SMD8B	1			
7622	W100 1M0 1% 0805 SMT RES	3	8213	W250 330R 5% 1206 SMT RES	1			
7624	W100 100R 1% 0805 SMT RES	1	8387	PS NEO SC41 1/16" X 0.5" X 100' ROL	3			
7625	W100 10K0 1% 0805 SMT RES	3	8387	PS NEO SC41 1/16" X 0.5" X 100' ROL	16.25			
7627	W100 13K 1% 0805 SMT RES	1	8482	3/8 1D FLAT WASHER	2			

M1595 Parts Reference List 7/4/2018

REF	YS #	Description
C200	7613	100N 25V 10%CAP 0805 SMT X7R
C202	7613	100N 25V 10%CAP 0805 SMT X7R
C203	7613	100N 25V 10%CAP 0805 SMT X7R
C204	7613	100N 25V 10%CAP 0805 SMT X7R
C205	7613	100N 25V 10%CAP 0805 SMT X7R
C206	7613	100N 25V 10%CAP 0805 SMT X7R
C207	7613	100N 25V 10%CAP 0805 SMT X7R
C208	7613	100N 25V 10%CAP 0805 SMT X7R
C209	7613	100N 25V 10%CAP 0805 SMT X7R
C210	7613	100N 25V 10%CAP 0805 SMT X7R
C211	7613	100N 25V 10%CAP 0805 SMT X7R
C212	7613	100N 25V 10%CAP 0805 SMT X7R
C213	7603	680P 50V 5%CAP 0805 SMT C0G
C214	5257	__2U2 63V 20%CAP T&R RAD .2EL
C215	5254	__1U 63V 20%CAP T&R 4X7MM .2EL
C216	5282	_10U 16V 20%CAP T&R 5X7MM .2NP
C217	7871	470P 50V 5%CAP 0603 SMT NPO
C218	7693	__1N 50V 5%CAP 0805 SMT NPO
C219	5972	680N 400V 5%CAP BLK RAD POLY FLM
C220	5231	220N 63V 5%CAP T&R RAD .2FLM
C221	5212	100N 63V 5%CAP T&R RAD .2FLM
C222	5951	__3U3 450DC10%CAP BLK MPOLYP FLM
C223	5962	__2U2 140AC10%CAP BLK RAD POLYP FLM
C224	5255	__1U 63V 20%CAP T&R RAD UGT 5254
C225	7871	470P 50V 5%CAP 0603 SMT NPO
C226	5224	_47N 100V 10%CAP T&R RAD .2FLM
C227	7613	100N 25V 10%CAP 0805 SMT X7R
C228	5972	680N 400V 5%CAP BLK RAD POLY FLM
C229	5220	__1N 1000V 5%CAP POLYPROP BULK
C230	8104	150P 100V 5%CAP 0805 SMTNPO
C231	7613	100N 25V 10%CAP 0805 SMT X7R
C232	5260	_22U 50V 20%CAP T&R RAD .2EL
C233	7613	100N 25V 10%CAP 0805 SMT X7R
C234	7613	100N 25V 10%CAP 0805 SMT X7R
C235	7969	_10U 10V 20%CAP 0805 SMT Y5V
C236	7613	100N 25V 10%CAP 0805 SMT X7R
C237	7878	__1U 25V 20%CAP 1206 SMT X7R
C238	7735	__4U7 50V 10%CAP 1210 SMT CER
C239	5270	__2U2 250V 20%CAP BLK RAD .1EL
C241	7735	__4U7 50V 10%CAP 1210 SMT CER
C242	7738	_10U0 16V 10%CAP 1206 SMT X7R
C300	5909	3300U 220V 10%CAP BLK 40X65MM 4PS
C301	5212	100N 63V 5%CAP T&R RAD .2FLM
C302	5242	100N 250V 20%CAP BLK 'X2' 15MM AC
C303	5887	2200U 50V 20%CAP BLK 18X27MM EL
C304	5259	__4U7 63V 20%CAP T&R RAD .2
C305	5266	680N 250V 20%CAP BLK 'X2' 27MM AC
C306	5212	100N 63V 5%CAP T&R RAD .2FLM
C307	5887	2200U 50V 20%CAP BLK 18X27MM EL
C308	5259	__4U7 63V 20%CAP T&R RAD .2
C309	6451	__4N7 250V 20%CAP BLK 'Y' 10MM AC
C310	5212	100N 63V 5%CAP T&R RAD .2FLM
C311	5909	3300U 220V 10%CAP BLK 40X65MM 4PS
D200	7750	CDSF4148 75V 0A15 1005 SMT
D201	8164	BZX84C22 22V0 0W3 5% SMT ZEN
D203	7944	BAT54 SOT-23 SMT SCHTKY
D204	8085	ES1H 500V 1A0 D214 UPGT 8814
D205	8085	ES1H 500V 1A0 D214 UPGT 8814
D206	7944	BAT54 SOT-23 SMT SCHTKY
D207	7750	CDSF4148 75V 0A15 1005 SMT
D208	8085	ES1H 500V 1A0 D214 UPGT 8814
D209	7619	BZX84C43 43V0 0W3 5% SMT ZEN
D210	7848	MURA240T3 400V 2A DIO 403D SMT
D211	7848	MURA240T3 400V 2A DIO 403D SMT
D212	8085	ES1H 500V 1A0 D214 UPGT 8814
D300	6775	BRIDGE 25A 600V WIRE LEAD SIP
D301	8085	ES1H 500V 1A0 D214 UPGT 8814
D302	8130	MURS120T3 200V 1A DIO DO214AA SMT
D304	8085	ES1H 500V 1A0 D214 UPGT 8814
D305	8130	MURS120T3 200V 1A DIO DO214AA SMT
D306	8130	MURS120T3 200V 1A DIO DO214AA SMT
D307	8130	MURS120T3 200V 1A DIO DO214AA SMT
F301	7895	FUSE SLOW 7A 125V SMT 6125
F302	7895	FUSE SLOW 7A 125V SMT 6125
HS1	4181	TO220 THERMO PAD CERAMIC .080 THK
HS2	4181	TO220 THERMO PAD CERAMIC .080 THK
L200	6497	_304UH CHOKE 95T18AWG/77111MAGNTKS
L202	7974	1000UH 10% COIL 12MM SMT
L300	6492	1300UH COIL COMMON MODE 4AMP
L401	2906	486UH COIL COMMON MODE 8A SMT
Q200	8165	MMBTA92 PNP SOT-23 SMT
Q201	7806	MMBF4391LT1 NCH JFET SOT-23 SMT T&R
Q203	2307	IRGP35B60PDPBF T0247 NPN IGBT TM
Q204	8165	MMBTA92 PNP SOT-23 SMT
Q205	2307	IRGP35B60PDPBF T0247 NPN IGBT TM
R200	7821	W125 10R0 1% 0805 SMT RES
R201	4768	5W00 12K 5% BLK RES
R202	7821	W125 10R0 1% 0805 SMT RES
R203	7625	W100 10K0 1% 0805 SMT RES
R204	7761	W100 12K1 1% 0603 SMT RES
R206	7864	W125 100K 5% 0805 SMT RES
R207	7859	W125 2K2 5% 0805 SMT RES
R208	7622	W100 1M0 1% 0805 SMT RES
R209	7864	W125 100K 5% 0805 SMT RES
R210	7680	W100 6K98 1% 0805 SMT RES
R212	7625	W100 10K0 1% 0805 SMT RES
R213	7630	W100 182K 1% 0805 SMT RES
R214	7860	W125 4K7 5% 0805 SMT RES
R215	7824	W125 47K5 1% 0805 SMT RES
R218	7860	W125 4K7 5% 0805 SMT RES
R219	7856	W125 470R 5% 0805 SMT RES
R221	7856	W125 470R 5% 0805 SMT RES
R222	7625	W100 10K0 1% 0805 SMT RES
R223	7680	W100 6K98 1% 0805 SMT RES
R224	7854	W125 47R 5% 0805 SMT RES
R225	7930	W250 22R 5% 1206 SMT RES
R226	7860	W125 4K7 5% 0805 SMT RES
R227	7622	W100 1M0 1% 0805 SMT RES
R228	7852	W250 10R 5% 1206 SMT RES
R229	7680	W100 6K98 1% 0805 SMT RES
R230	7642	W100 4K75 1% 0805 SMT RES
R231	7621	W100 1K0 1% 0805 SMT RES
R232	7621	W100 1K0 1% 0805 SMT RES
R233	7680	W100 6K98 1% 0805 SMT RES
R234	7630	W100 182K 1% 0805 SMT RES
R235	7859	W125 2K2 5% 0805 SMT RES
R236	7680	W100 6K98 1% 0805 SMT RES
R237	7802	1W00 1R0 5% 2512 SMT RES
R238	7624	W100 100R 1% 0805 SMT RES
R239	7633	W100 2K74 1% 0805 SMT RES
R240	7856	W125 470R 5% 0805 SMT RES
R241	8183	1W00 2R0 1% 2512 SMT RES
R242	7980	2W00 0R1 5% 2512 SMT RES
R243	7980	2W00 0R1 5% 2512 SMT RES
R244	7980	2W00 0R1 5% 2512 SMT RES
R245	7980	2W00 0R1 5% 2512 SMT RES
R246	7980	2W00 0R1 5% 2512 SMT RES
R247	7649	W125 1K50 1% 0805 SMT RES
R248	8183	1W00 2R0 1% 2512 SMT RES
R249	7930	W250 22R 5% 1206 SMT RES
R250	7852	W250 10R 5% 1206 SMT RES
R251	7649	W125 1K50 1% 0805 SMT RES
R252	7622	W100 1M0 1% 0805 SMT RES
R255	7703	W125 82K5 1% 0805 SMT RES
R256	7703	W125 82K5 1% 0805 SMT RES
R257	7860	W125 4K7 5% 0805 SMT RES
R258	7634	W100 20K5 1% 0805 SMT RES
R259	7630	W100 182K 1% 0805 SMT RES
R260	4931	470K 5% THERMISTOR NTC 0805 SMT
R261	7686	W100 274K 1% 0805 SMT RES
R262	7686	W100 274K 1% 0805 SMT RES
R263	7627	W100 13K 1% 0805 SMT RES
R264	8137	W125 1K62 1% 0805 SMT RES
R265	8213	W250 330R 5% 1206 SMT RES
R301	7902	1W00 1K8 5% 2512 SMT RES
U200	2306	FOD816 4PINDIP ACINPUT OPTOCOUPLER
U201	7851	LM311 COMPARATOR IC SMT SO-8
U202	7851	LM311 COMPARATOR IC SMT SO-8
U203	6586	IRS21844PBF IC HILO FET DRIVER
U204	7817	33078 DUAL OPAMP SMT SO-8
U205	7817	33078 DUAL OPAMP SMT SO-8
U206	8163	TL331 COMPARATOR IC SMT SOT235
U207	8211	LNK302G OFFLINE SWITCH SMT SMD8B
U302	6872	MC7815CT TO220 P 15V0 REG V1
U303	6871	MC7915CT TO220 N 15V0 REG V2
W201	2328	8 CIR XH-HEADER 0.098IN
W203	3538	24 PIN BREAKAWAY LOCK .156
W301	4147	6 PIN POWER PIN HEADER MALE POLZED
W302	4162	2 PIN POWER PIN HEADER MALE POLZED
W303	3538	24 PIN BREAKAWAY LOCK .156
W304	4146	3 PIN POWER PIN HEADER MALE POLZED
W306	4147	6 PIN POWER PIN HEADER MALE POLZED
W307	4151	4 PIN POWER PIN HEADER MALE POLZED
W401	3543	4 PIN BREAKAWAY RA 90 LOCK .1563
W402	3543	4 PIN BREAKAWAY RA 90 LOCK .1563
ZD200	7832	MM3Z18VT1G 18V0 0W2 5% SMT ZEN

SUBWOOFER AMP

FROM INPUT PCB

W201A 8 1 N1201 LVGND
W201B 8 2 N1208 WOOFCLIP
W201C 8 3 N1202
W201D 8 4 N1203 PSGND
W201E 8 5 N1207 LVGND2
W201F 8 6 N1206
W201G 8 7 N1204 +15V
W201H 8 8 N1205 -15V

R203 W100 0805 10K0
R204 W100 0805 12K1
R214 W125 0805 4K7
R218 W125 0805 4K7
R222 W100 0805 10K0
R215 W125 0805 47K5
R219 W125 0805 470R
U201 LM311 7851 SO8
C213 680P 50V 0805
U204B DUAL OPAMP
R221 W125 0805 470R
7817 MC33078D
C217 470P 50V 0603
R223 1/8W 0805 6K98
R233 1W 0805 6K98
R229 1W 0805 6K98
U205A DUAL OPAMP
R231 W100 0805 1K0
R232 W100 0805 1K0
C220 220N 63V RAD .2in
U204A DUAL OPAMP
MC33078D 7817
C225 470P 50V 0603
R236 1W 0805 6K98
C226 47N 100V RAD .2in
10U C242 16V 1206
R230 W100 0805 4K75
C218 0805 1N 50V
R224 W125 0805 47R
R227 W100 0805 1M0
MC33078D U205B DUAL OPAMP 7817
R235 2K2 0805 W125
R240 W125 0805 470R
R239 W100 0805 2K74
U202 LM311 7851 SO8
Q204 MMBTA92 8165 SOT-23
D204 ES1H
R247 W125 0805 1K50
R226 W125 0805 4K7
R255 W125 0805 82K5
R256 W125 0805 82K5
WOOFGND
-15V_MOD
+15V_MOD

Output Filter

W402A 1 4 4 W402
W402B 2 4 3 W402
W402C 3 4 2 W402
W402D 4 4 1 W402
N1216 N1217 2906 L401 486uH N1215 N1214

WOOFER
BLK BLK RED RED
12" 4R 600W #7545 for PS12S
15" 4R 1000W #7571 for PS15S
18" 6R 1200W #7460 for PS18S

+/-15V_MOD

+15V
100N C202 0805 25V
100N C212 0805 25V PSGND
-15V

+15V_MOD
100N C203 C204 C205 C233 0805 25V
100N C209 C210 C211 C234 0805 25V
WOOFGND
-15V_MOD

+15V_MOD N1211 R200 W125 0805 10R0
100N C206 0805 25V
100N C207 0805 25V LVGND
R202 W125 0805 10R0 N1212 -15V_MOD
-15V

+15V
100N C200 0805 25V
WOOFGND
100N C208 0805 25V
-15V

Link1 Link2
LVGND PSGND WOOFGND

SILENT ON/OFF

SILENT
R207 W125 0805 2K2
D200 CDSF4148
R208 W100 0805 1M0
D201 22V0 SOT-23
C215 1U 63V
R212 W100 0805 10K0
C214 2U2 63V
U200B 2306 FOD816
CDSF4148 D207 D1005
R257 W125 0805 4K7
MMBF4391LT1 Q201 7806 SOT-23
R213 W100 0805 182K
Q200 MMBTA92 8165 SOT-23
D209 SOT-23 43V0
LVGND PSGND WOOFGND -15V_MOD

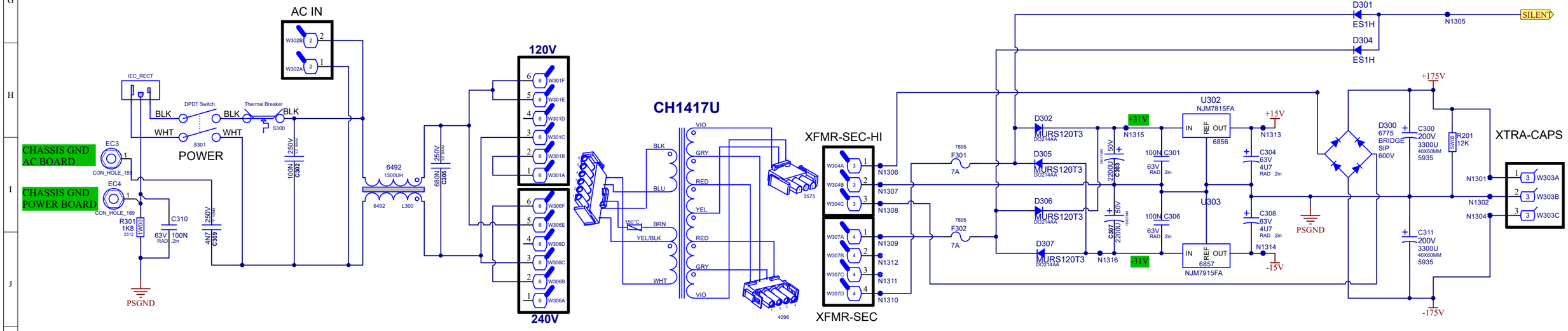
+15V_LS
PSGND
D210 403D MURA240T3
R264 W125 1206 1K62
R265 W250 1206 330R
C236 100N 25V 0805
U207 LNK302G 8211 SMD8B
FB BP S S S S D
C239 2U2 250V RAD 0.1in
-175V
C237 1U 25V 1206
R263 W100 0805 13K
4U7 C238 50V 1210
L202 1000UH
D208 DO-214AC ES1H
D212 DO-214AC ES1H
D211 MURA240T3 403D
4U7 C241 50V 1210
R206 W125 0805 100K
R209 W125 0805 100K

+15V_LS

+175V
Q203 IRGP35B60PDPBF 2307 T0247
R225 W250 1206 22R
D203A BAT54 SOT-23
R228 W250 1206 10R
R234 W100 0805 182K
C221 100N RAD .2in
C224 1U 63V
ZD200 9W2 18V0
C222 340V 3U3 RAD POLY
R241 1W00 2512 2R0
R248 1W00 2512 2R0
C229 1000V 1N RAD .3in
IRGP35B60PDPBF Q205 2307 T0247
R249 W250 1206 22R
D206A BAT54 SOT-23
R250 W250 1206 10R
R252 W100 0805 1M0
-175V
L200 304UH 6497
C219 680N 400V
C223 140V 2u2 RAD POLY
C228 680N 400V
R238 W100 0805 100R
C227 100N 25V 0805
U200A 2306 FOD816
R242 R243 R244 R245 R246 2W00 2512 0R1 2512
N1209
W203D W203C W203B W203A Woofer+ Woofer-
N1210 CON_HOLE_140
PSGND

U203A IRS21844 VCC HO VB VS IN SD DT COM LO NC VSS 6586
R259 W100 0805 182K
R261 W100 0805 274K
R262 W100 0805 274K
R258 W100 0805 20K5
R260 470K
10U C235 10V 0805
8163 TL331 U206 SOT23-5
C216 10U 16V 5X7MM .2in
R210 W100 0805 8K98
C230 150P 100V 0805
R251 W125 0805 1K50
C232 22U 50V RAD .2in
C231 100N 25V 0805

POWER SUPPLY



Yorkville	*Section:* **Power Supply**			
	Product(s): **PS12S/PS15S/PS18S**			
	PCB# M1595	*Rev#* V02	*BOM Rev#* BOMRev	*Sheet* 3 *Of* 4
	Date Modified: 2017-09-14		*Filename:* Supply.SCHDOC	

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
3	19-DEC-2016	.	8988	Add cap YS#5220 to C229
4	12-JUL-2017	V02	8988	Implemented PC8988 and fixed cap holes C300 and C311
5	14-SEP-2017	.	.	Removed shoulder washer YS#8667 and mic YS#3486 from TO220s
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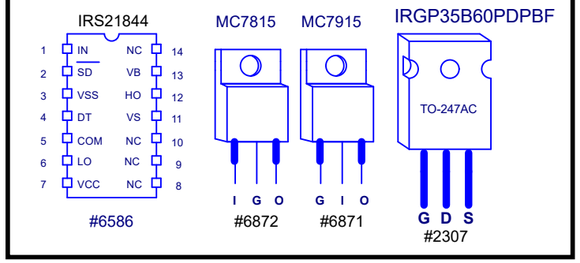
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POTENTIOMETERS AND KNOBS

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

CASES AND PINS

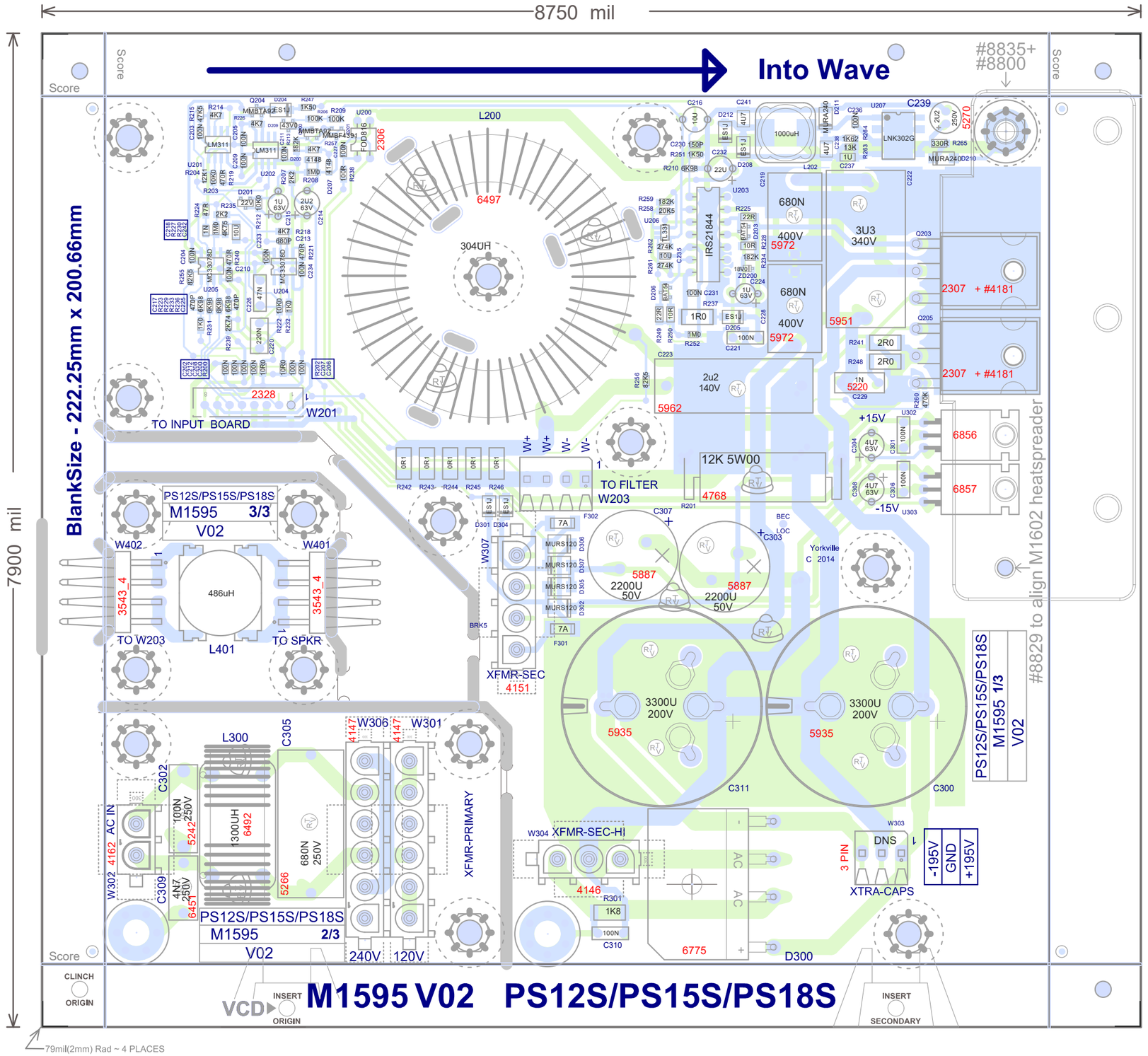


THIS SHEET CONTAINS A CHANGE HISTORY LOG, A LIST OF THE POTS & KNOBS AND A LEADS & PINS REFERENCE SECTION.

Yorkville

Section:	Design Information And History			
Product(s):	PS12S/PS15S/PS18S			
PCB#: M1595	Rev#: V02	EML Rev#: 04	Sheet 1	Of *
Modified: 2017-09-14	File: History.SchDoc		Tmp Rev: V028	

M1595 V02


8750 mil
7900 mil
BlankSize - 222.25mm x 200.66mm
Into Wave
Score
#8835+
#8800
#8829 to align M1602 heatspreader
L200
6497
304UH
IRS21844
680N
400V
5972
3U3
340V
5951
2307 + #4181
2307 + #4181
2u2
140V
5962
5220
+15V
6856
6857
-15V
12K 5W00
4768
TO FILTER
W203
TO INPUT BOARD
W201
2328
PS12S/PS15S/PS18S
M1595 3/3
V02
W402
W401
3543_4
3543_4
486uH
L401
TO W203
TO SPKR
W307
XFMR-SEC
4151
BRK5
7A
F302
F301
MURS120
2200U
50V
5887
3300U
200V
5935
C311
C300
PS12S/PS15S/PS18S
M1595 1/3
V02
L300
C305
W306
W301
4147
XFMR-PRIMARY
C302
AC IN
4162
1300UH
6492
680N
250V
5266
100N
250V
5242
4N7
250V
6451
C309
W302
PS12S/PS15S/PS18S
M1595 2/3
V02
240V
120V
W304 XFMR-SEC-HI
4146
R301
1K8
100N
C310
6775
D300
W303
DNS
3 PIN
XTRA-CAPS
-195V
GND
+195V
CLINCH
ORIGIN
VCD
INSERT
ORIGIN
M1595 V02 PS12S/PS15S/PS18S
INSERT
SECONDARY
79mil(2mm) Rad ~ 4 PLACES

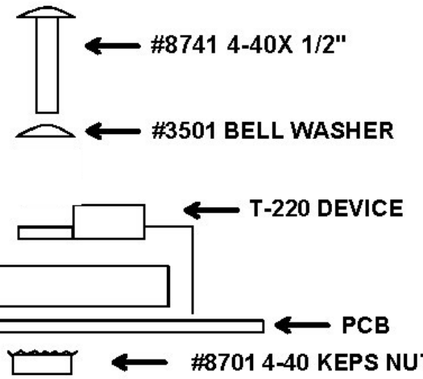
PCB ASSEMBLY DOCUMENTATION

SPECIAL PRODUCTION NOTES

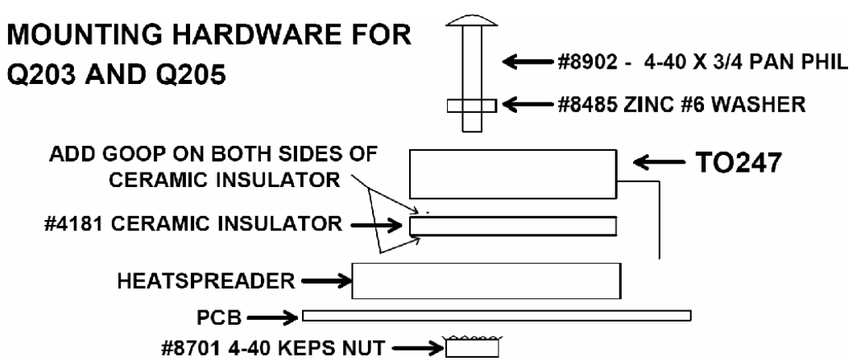
1. PCBSA: ADD RTV BETWEEN C300 AND C311 AS SHOWN HERE.
2. PCBSA: U200 AND U203 ARE HAND INSERTED.
3. PCBSA: ASSEMBLY HEATSINK
   First install #8829 screw to align heatspreader Z1602
   then install all devices.
   After that install #8800 and #8835 for grounding. NUT UP.
4. PCBSA: D300
   Use #8837 screw and #3511 washer with #8800 nut.
   Install with the NUT UP on the bridge.
5. FOR C229 ADD PART YS# 5220 MAKE SURE LEADS ARE NOT ANY CLOSER TO TRACES THAN THE PADS ARE TO TRACES NEAR BY.
6. Add Goop to both sides of ceramic insulator #4181.



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#: V02	EML Rev#: 04	Sheet 1 Of *
	Modified: 20-Jun-18	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
3	19-DEC-2016	.	8988	Add cap YS#5220 to C229
4	12-JUL-2017	V02	8988	Implemented PC8988 and fixed cap holes C300 and C311
5	14-SEP-2017	.	.	Removed shoulder washer YS#8667 and mic YS#3486 from TO220s
6	.	.	9077	Added note to add oop to both sides of #4181 ceramic insulator
7	02-APR-2018	.	9196	Replace screw #8761 inc with #8835 tin
8	19-JUN-2018	.	9243	Chan e description of D204,D205,D208,D212,S301,D304 to ES1J on layout
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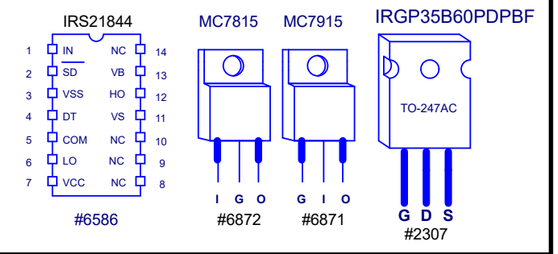
#	DATE	VER#	PC#	DESCRIPTION OF CHANGE
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POTENTIOMETERS AND KNOBS

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

CASES AND PINS



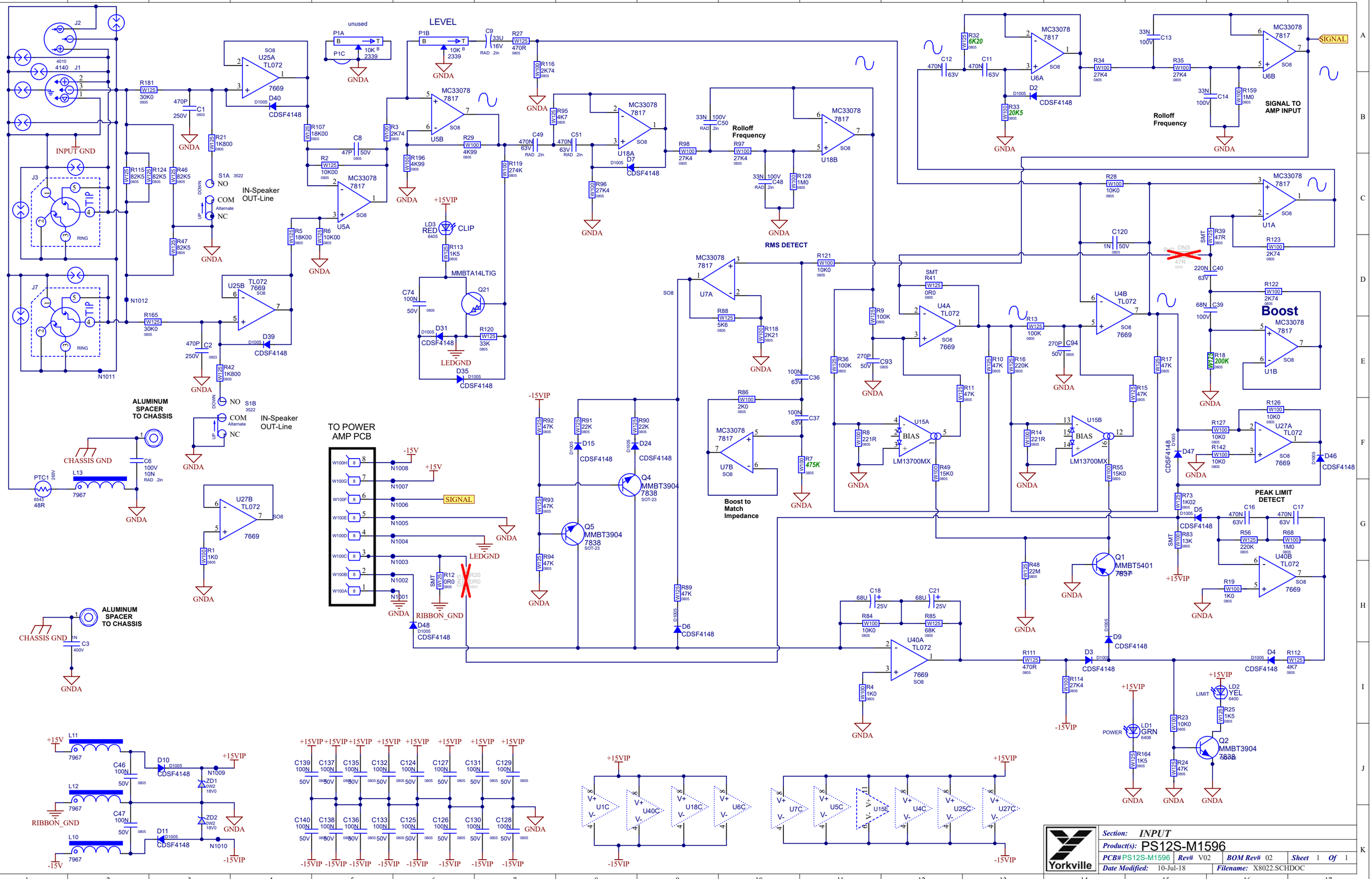
THIS SHEET CONTAINS A CHANGE HISTORY LOG, A LIST OF THE POTS & KNOBS AND A LEADS & PINS REFERENCE SECTION.

Yorkville

Section:	Design Information And History				
Product(s):	PS12S/PS15S/PS18S				
PCB#: M1595		Rev#: V02	EML Rev#: 04	Sheet 1	Of *
Modified: 20-Jun-18		File: History.SchDoc		Tmp Rev: V028	

M1596 Parts Reference List 7/12/2018

REF	YS #	Description
C1	8178	470P 250V 5%CAP 0603 SMT NP0
C2	8178	470P 250V 5%CAP 0603 SMT NP0
C3	5213	__1N 630V 5%CAP T&R RAD PRO. 2FM
C6	5204	_10N 100V 10%CAP T&R RAD .2FLM
C8	7813	_47P 50V 5%CAP 0805 SMT NPO
C9	5961	_33U 16V 20%CAP T&R RAD .2IN NP
C11	5234	470N 63V 10%CAP T&R RAD .2FLM
C12	5234	470N 63V 10%CAP T&R RAD .2FLM
C13	5222	_33N 100V 10%CAP T&R RAD .2FLM
C14	5222	_33N 100V 10%CAP T&R RAD .2FLM
C16	5234	470N 63V 10%CAP T&R RAD .2FLM
C17	5234	470N 63V 10%CAP T&R RAD .2FLM
C18	5265	_68U 25V 20%CAP T&R RAD .2EL
C21	5265	_68U 25V 20%CAP T&R RAD .2EL
C36	5212	100N 63V 5%CAP T&R RAD .2FLM
C37	5212	100N 63V 5%CAP T&R RAD .2FLM
C39	5226	_68N 100V 5%CAP T&R RAD .2FLM
C40	5231	220N 63V 5%CAP T&R RAD .2FLM
C46	5979	100N 50V 5%CAP 0805 SMT X7R
C47	5979	100N 50V 5%CAP 0805 SMT X7R
C48	5222	_33N 100V 10%CAP T&R RAD .2FLM
C49	5234	470N 63V 10%CAP T&R RAD .2FLM
C50	5222	_33N 100V 10%CAP T&R RAD .2FLM
C51	5234	470N 63V 10%CAP T&R RAD .2FLM
C74	5979	100N 50V 5%CAP 0805 SMT X7R
C93	7931	270P 50V 5%CAP 0805 SMT NPO
C94	7931	270P 50V 5%CAP 0805 SMT NPO
C120	7693	__1N 50V 5%CAP 0805 SMT NPO
C124	5979	100N 50V 5%CAP 0805 SMT X7R
C125	5979	100N 50V 5%CAP 0805 SMT X7R
C126	5979	100N 50V 5%CAP 0805 SMT X7R
C127	5979	100N 50V 5%CAP 0805 SMT X7R
C128	5979	100N 50V 5%CAP 0805 SMT X7R
C129	5979	100N 50V 5%CAP 0805 SMT X7R
C130	5979	100N 50V 5%CAP 0805 SMT X7R
C131	5979	100N 50V 5%CAP 0805 SMT X7R
C132	5979	100N 50V 5%CAP 0805 SMT X7R
C133	5979	100N 50V 5%CAP 0805 SMT X7R
C135	5979	100N 50V 5%CAP 0805 SMT X7R
C136	5979	100N 50V 5%CAP 0805 SMT X7R
C137	5979	100N 50V 5%CAP 0805 SMT X7R
C138	5979	100N 50V 5%CAP 0805 SMT X7R
C139	5979	100N 50V 5%CAP 0805 SMT X7R
C140	5979	100N 50V 5%CAP 0805 SMT X7R
D2	7750	CDSF4148 75V 0A15 1005 SMT
D3	7750	CDSF4148 75V 0A15 1005 SMT
D4	7750	CDSF4148 75V 0A15 1005 SMT
D5	7750	CDSF4148 75V 0A15 1005 SMT
D6	7750	CDSF4148 75V 0A15 1005 SMT
D7	7750	CDSF4148 75V 0A15 1005 SMT
D9	7750	CDSF4148 75V 0A15 1005 SMT
D10	7750	CDSF4148 75V 0A15 1005 SMT
D11	7750	CDSF4148 75V 0A15 1005 SMT
D15	7750	CDSF4148 75V 0A15 1005 SMT
D24	7750	CDSF4148 75V 0A15 1005 SMT
D31	7750	CDSF4148 75V 0A15 1005 SMT
D35	7750	CDSF4148 75V 0A15 1005 SMT
D39	7750	CDSF4148 75V 0A15 1005 SMT
D40	7750	CDSF4148 75V 0A15 1005 SMT
D46	7750	CDSF4148 75V 0A15 1005 SMT
D47	7750	CDSF4148 75V 0A15 1005 SMT
D48	7750	CDSF4148 75V 0A15 1005 SMT
J1	4140	XLR MALE PCB MT VERT 24MM A-SERIES
J2	4010	XLR FEML PCB MT VERT 24MM AA-SERIES
J3	4063	1/4IN ISO JCK PCMT VT STER RT SWT
J7	4063	1/4IN ISO JCK PCMT VT STER RT SWT
L10	7967	_15.0UH COIL 0805 SMT
L11	7967	_15.0UH COIL 0805 SMT
L12	7967	_15.0UH COIL 0805 SMT
L13	7967	_15.0UH COIL 0805 SMT
LD1	6408	GRN 3MM LED 2V2 20MA DIFFUSD
LD2	6400	YEL 3MM LED 2V1 20MA DIFFUSD
LD3	6405	RED 3MM LED 2V1 20MA DIFFUSD
P1	2339	_10K B LIN 12MM DUAL 21DET P34
PS12S	7882	W250 0R 1206 SMT RES
PTC1	6543	48R 265V RESETTABLE THERMISTOR PTC
Q1	7837	MMBT5401 PNP SOT-23 SMT
Q2	7838	MMBT3904 NPN SOT-23 SMT
Q4	7838	MMBT3904 NPN SOT-23 SMT
Q5	7838	MMBT3904 NPN SOT-23 SMT
Q21	7701	MMBTA14 NPN DARL SOT-23 SMT
R1	7621	W100 1K0 1% 0805 SMT RES
R2	7928	W125 10K00 0.1% 0805 SMT RES
R3	7633	W100 2K74 1% 0805 SMT RES
R4	7621	W100 1K0 1% 0805 SMT RES
R5	7929	W125 18K00 0.1% 0805 SMT RES
R6	7928	W125 10K00 0.1% 0805 SMT RES
R7	7645	W100 475K 1% 0805 SMT RES
R8	7635	W100 221R 1% 0805 SMT RES
R9	7864	W125 100K 5% 0805 SMT RES
R10	8135	W125 47K 5% 0805 SMT RES
R11	8135	W125 47K 5% 0805 SMT RES
R12	7745	W125 0R 5% 0805 SMT RES
R13	7864	W125 100K 5% 0805 SMT RES
R14	7635	W100 221R 1% 0805 SMT RES
R15	8135	W125 47K 5% 0805 SMT RES
R16	8184	W125 220K 5% 0805 SMT RES
R17	8135	W125 47K 5% 0805 SMT RES
R18	7687	W100 348K 1% 0805 SMT RES
R19	7621	W100 1K0 1% 0805 SMT RES
R21	7899	W125 1K800 0.1% 0805 SMT RES
R23	7625	W100 10K0 1% 0805 SMT RES
R24	8135	W125 47K 5% 0805 SMT RES
R25	7858	W125 1K5 5% 0805 SMT RES
R27	7856	W125 470R 5% 0805 SMT RES
R28	7625	W100 10K0 1% 0805 SMT RES
R29	7679	W100 4K99 1% 0805 SMT RES
R32	7860	W125 4K7 5% 0805 SMT RES
R33	7636	W100 27K4 1% 0805 SMT RES
R34	7636	W100 27K4 1% 0805 SMT RES
R35	7636	W100 27K4 1% 0805 SMT RES
R36	7864	W125 100K 5% 0805 SMT RES
R39	7854	W125 47R 5% 0805 SMT RES
R41	7745	W125 0R 5% 0805 SMT RES
R42	7899	W125 1K800 0.1% 0805 SMT RES
R46	7703	W125 82K5 1% 0805 SMT RES
R47	7703	W125 82K5 1% 0805 SMT RES
R48	8180	W125 22M0 5% 0805 SMT RES
R49	7628	W100 15K0 1% 0805 SMT RES
R55	7628	W100 15K0 1% 0805 SMT RES
R56	8184	W125 220K 5% 0805 SMT RES
R68	7622	W100 1M0 1% 0805 SMT RES
R73	7898	W125 1K02 0.1% 0805 SMT RES
R83	7627	W100 13K 1% 0805 SMT RES
R84	7625	W100 10K0 1% 0805 SMT RES
R85	8051	W125 68K 5% 0805 SMT RES
R86	7676	W100 2K0 1% 0805 SMT RES
R88	8181	W125 5K6 1% 0805 SMT RES
R89	8135	W125 47K 5% 0805 SMT RES
R90	8182	W125 22K 5% 0805 SMT RES
R91	8182	W125 22K 5% 0805 SMT RES
R92	8135	W125 47K 5% 0805 SMT RES
R93	8135	W125 47K 5% 0805 SMT RES
R94	8135	W125 47K 5% 0805 SMT RES
R95	7860	W125 4K7 5% 0805 SMT RES
R96	7636	W100 27K4 1% 0805 SMT RES
R97	7636	W100 27K4 1% 0805 SMT RES
R98	7636	W100 27K4 1% 0805 SMT RES
R107	7929	W125 18K00 0.1% 0805 SMT RES
R111	7856	W125 470R 5% 0805 SMT RES
R112	7860	W125 4K7 5% 0805 SMT RES
R113	7858	W125 1K5 5% 0805 SMT RES
R114	7636	W100 27K4 1% 0805 SMT RES
R115	7703	W125 82K5 1% 0805 SMT RES
R116	7633	W100 2K74 1% 0805 SMT RES
R118	7631	W100 2K21 1% 0805 SMT RES
R119	7686	W100 274K 1% 0805 SMT RES
R120	7863	W125 33K 5% 0805 SMT RES
R121	7625	W100 10K0 1% 0805 SMT RES
R122	7633	W100 2K74 1% 0805 SMT RES
R123	7633	W100 2K74 1% 0805 SMT RES
R124	7703	W125 82K5 1% 0805 SMT RES
R126	7625	W100 10K0 1% 0805 SMT RES
R127	7625	W100 10K0 1% 0805 SMT RES
R128	7622	W100 1M0 1% 0805 SMT RES
R142	7625	W100 10K0 1% 0805 SMT RES
R159	7622	W100 1M0 1% 0805 SMT RES
R164	7858	W125 1K5 5% 0805 SMT RES
R165	7900	W125 30K 0.5% 0805 SMT RES
R181	7900	W125 30K 0.5% 0805 SMT RES
R196	7679	W100 4K99 1% 0805 SMT RES
S1	3522	DPDT MINI PC VERT SNP ALT
U1	7817	33078 DUAL OPAMP SMT SO-8
U4	7669	TL072 DUAL OPAMP SMT SO-8
U5	7817	33078 DUAL OPAMP SMT SO-8
U6	7817	33078 DUAL OPAMP SMT SO-8
U7	7817	33078 DUAL OPAMP SMT SO-8
U15	7828	LM13700M XCONDUCTANC AMP SMT IC
U18	7817	33078 DUAL OPAMP SMT SO-8
U25	7669	TL072 DUAL OPAMP SMT SO-8
U27	7669	TL072 DUAL OPAMP SMT SO-8
U40	7669	TL072 DUAL OPAMP SMT SO-8
W100	2344	8 CIR XH-HEADER RA 0.098IN
ZD1	7832	MM3Z18VT1G 18V0 0W2 5% SMT ZEN
ZD2	7832	MM3Z18VT1G 18V0 0W2 5% SMT ZEN


J2
4010
4140
J1
INPUT GND
J3
TIP
RING
J7
N1012
N1011
R181
30K0
470P
C1
250V
GNDA
R21
1K800
R115
82K5
R124
82K5
R46
82K5
S1A
3522
NO
COM
Alternate
NC
DOWN
UP
IN-Speaker
OUT-Line
R47
82K5
SO8
U25A
TL072
7669
D40
CDSF4148
R107
18K00
C8
47P
50V
R2
10K00
MC33078
7817
U5A
R5
18K00
R6
10K00
U25B
TL072
7669
R165
30K0
470P
C2
250V
D39
CDSF4148
R42
1K800
NO
S1B
3522
COM
Alternate
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IN-Speaker
OUT-Line
ALUMINUM
SPACER
TO CHASSIS
CHASSIS GND
C6
100V
10N
RAD .2in
PTC1
6643
48R
L13
7967
U27B
TL072
7669
R1
1K0
unused
P1A
P1C
10K B
2339
LEVEL
P1B
C9
33U
16V
R27
470R
R116
2K74
R3
2K74
R196
4K99
R29
4K99
R119
274K
R95
4K7
C49
470N
63V
C51
470N
63V
U18A
D7
CDSF4148
R96
27K4
R98
27K4
R97
27K4
33N
100V
C50
C48
R128
1M0
Rolloff
Frequency
RMS DETECT
+15VIP
LD3
RED
6405
CLIP
R113
1K5
MMBTA14LTIG
Q21
C74
100N
50V
D31
CDSF4148
R120
33K
LEDGND
D35
CDSF4148
TO POWER
AMP PCB
W100H
W100G
W100F
W100E
W100D
W100C
W100B
W100A
-15V
+15V
SIGNAL
LEDGND
RIBBON_GND
N1008
N1007
N1006
N1005
N1004
N1003
N1002
N1001
R12
0R0
R20
0R0
D48
CDSF4148
-15VIP
R92
47K
R91
22K
R90
22K
D15
CDSF4148
D24
CDSF4148
Q4
MMBTN3904
7838
SOT-23
Q5
MMBTN3904
7838
SOT-23
R93
47K
R94
47K
R89
47K
D6
CDSF4148
MC33078
7817
U7A
R88
5K6
R118
2K21
R121
10K0
R9
100K
R36
100K
C36
100N
63V
C37
100N
63V
R86
2K0
MC33078
7817
U7B
R7
475K
Boost to
Match
Impedance
SMT
R41
0R0
U4A
TL072
7669
U15A
BIAS
LM13700MX
R8
221R
R49
15K0
U15B
BIAS
LM13700MX
R14
221R
R55
15K0
R13
100K
R10
47K
R16
220K
R11
47K
R15
47K
R17
47K
270P
C93
50V
270P
C94
50V
U4B
TL072
7669
R32
6K20
C12
470N
63V
C11
470N
63V
D2
CDSF4148
R33
20K5
R34
27K4
C13
33N
100V
R35
27K4
C14
33N
100V
R159
1M0
MC33078
7817
U6B
SIGNAL
SIGNAL TO
AMP INPUT
Rolloff
Frequency
C120
1N
50V
R28
10K0
MC33078
7817
U1A
SMT
R39
47R
R123
2K74
Part DNS
47R
220N
C40
63V
R122
2K74
68N
C39
100V
Boost
MC33078
7817
U1B
R18
200K
R126
10K0
R127
10K0
R142
10K0
U27A
TL072
7669
D47
D46
CDSF4148
PEAK LIMIT
DETECT
R73
1K02
D5
CDSF4148
C16
470N
63V
C17
470N
63V
R56
220K
R68
1M0
R83
13K
U40B
TL072
7669
R19
1K0
R48
22M
Q1
MMBT5401
7838
C18
68U
25V
C21
68U
25V
R84
10K0
R85
68K
U40A
TL072
7669
R4
1K0
D9
CDSF4148
D3
CDSF4148
R111
470R
R114
27K4
D4
CDSF4148
R112
4K7
LD2
YEL
6400
LIMIT
R25
1K5
R23
10K0
Q2
MMBTN3904
7838
R24
47K
LD1
GRN
6408
POWER
R164
1K5
L11
7967
L12
7967
L10
7967
RIBBON_GND
D10
CDSF4148
D11
CDSF4148
C46
100N
50V
C47
100N
50V
ZD1
0W2
18V0
ZD2
0W2
18V0
N1009
N1010
+15V
-15V
C139
C137
C135
C132
C124
C127
C131
C129
C140
C138
C136
C133
C125
C126
C130
C128
U1C
U40C
U18C
U6C
U7C
U5C
U15E
U4C
U25C
U27C
Section: INPUT
Product(s): PS12S-M1596
PCB# PS12S-M1596
Rev# V02
BOM Rev# 02
Sheet 1 Of 1
Date Modified: 10-Jul-18
Filename: X8022.SCHDOC
Yorkville

DESIGN HISTORY AND INFORMATION

CHANGE HISTORY

#	DATE	VER#	PC#	DESCRIPTION OF CHANGE
1	15-SEP-2014	V01	.	.
2	07-JUL-2017	V02	9039	Add M1698-PSA1S and M1699-PSA2S
3	14-JUN-2018	V02	9193	R18 from 348k #7687 to 200k #7685 R32 from 4k7 #7860 to 6k2 #8274
4	.	.	.	R33 from 27k4 #7636 to 20k5 #7634
5	10-JUL-2018	.	8997	Add RTV to parts C18, C21, C9 and PTC1
6	.	.	.	.
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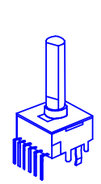
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POTENTIOMETERS AND KNOBS

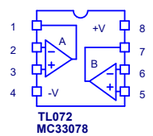
POTENTIOMETERS AND KNOBS				
REF	FUNCTION	POT#	STYLE	KNOB#
P1	LEVEL	2339	P34	8653
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PINOUT DIAGRAMS

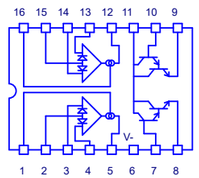
CASES AND PINS



"STYLE_P34"



TL072
MC33078



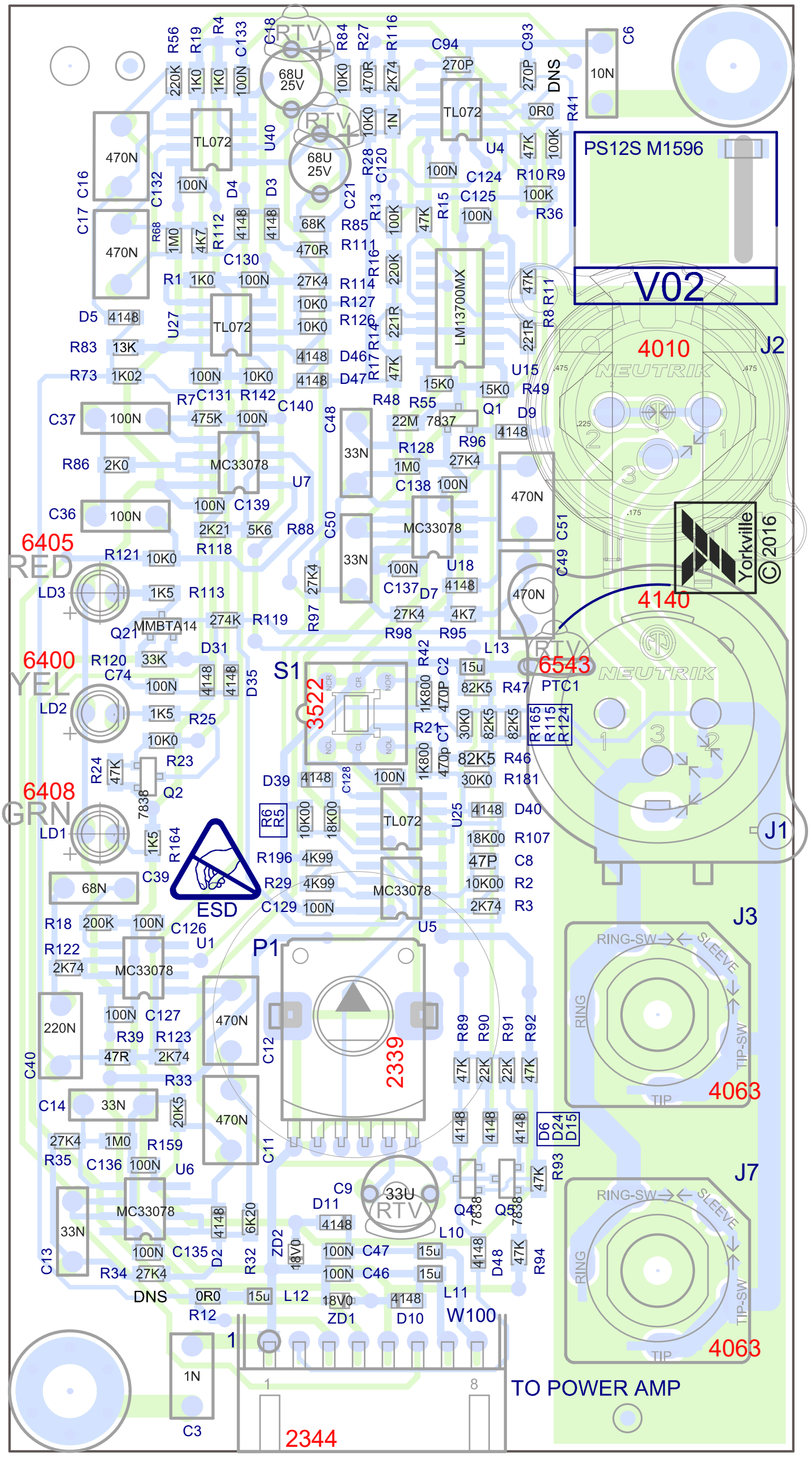
LM13700MX

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#: V02	EML Rev#: 02	Sheet 1	Of 2
Modified:	10-Jul-18	File: History.SchDoc		Tmp Rev:	TemplateRev

PS12S-M1596V02



PCB ASSEMBLY DOCUMENTATION

SPECIAL PRODUCTION NOTES

1. THIS BOARD IS FOR
   - M1596 FOR PS12S
   - M1597 FOR PS15S
   - M1598 FOR PS18S
   - M1698 FOR PSA1S
   - M1699 FOR PSA2S

   SEE SMT JUMPERS TO IDENTIFY

2. ADD RTV TO COMPONENTS WHERE INDICATED

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#: V02	EML Rev#: 02	Sheet 1 Of *	
	Modified: 10-Jul-18	File: Assembly.SchDoc		Tmp Date: 03/15/2013	

DESIGN HISTORY AND INFORMATION

CHANGE HISTORY

#	DATE	VER#	PC#	DESCRIPTION OF CHANGE
1	15-SEP-2014	V01	.	.
2	07-JUL-2017	V02	9039	Add M1698-PSA1S and M1699-PSA2S
3	14-JUN-2018	V02	9193	R18 from 348k #7687 to 200k #7685 R32 from 4k7 #7860 to 6k2 #8274
4	.	.	.	R33 from 27k4 #7636 to 20k5 #7634
5	10-JUL-2018	.	8997	Add RTV to parts C18, C21, C9 and PTC1
6	.	.	.	.
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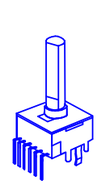
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POTENTIOMETERS AND KNOBS

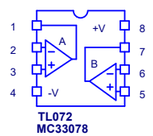
POTENTIOMETERS AND KNOBS				
REF	FUNCTION	POT#	STYLE	KNOB#
P1	LEVEL	2339	P34	8653
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PINOUT DIAGRAMS

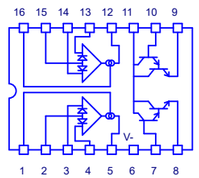
CASES AND PINS



"STYLE_P34"



TL072
MC33078



LM13700MX

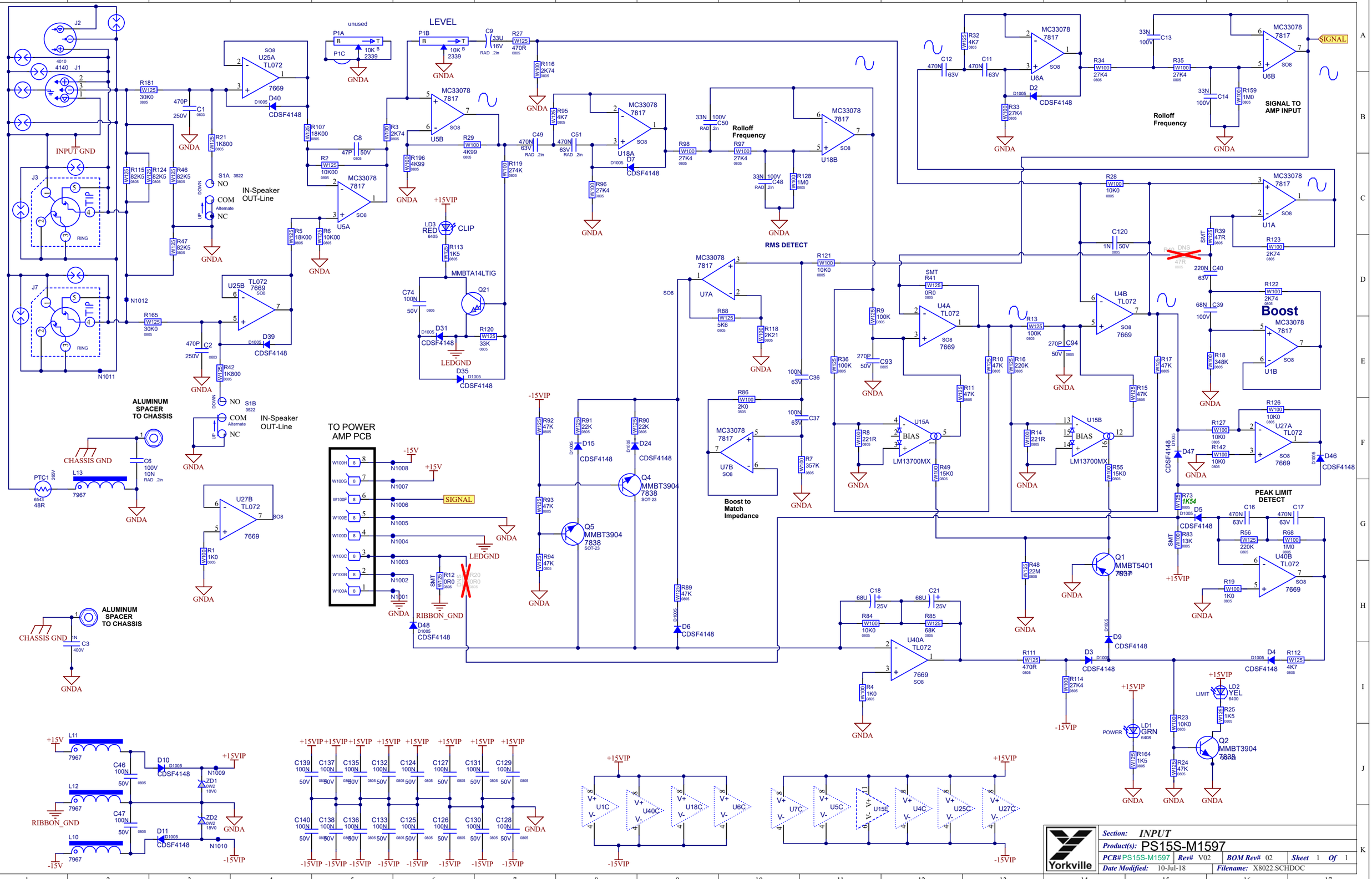
THIS SHEET CONTAINS A CHANGE HISTORY LOG, A LIST OF THE POTS & KNOBS AND A LEADS & PINS REFERENCE SECTION.

Yorkville

Section:	Design Information And History				
Product(s):	PS SUBS INPUT BOARD				
PCB#:	X8022	Rev#: V02	EML Rev#: 02	Sheet 1	Of 2
Modified:	10-Jul-18	File: History.SchDoc		Tmp Rev:	TemplateRev

M1597 Parts Reference List 7/12/2018

REF	YS #	Description
C1	8178	470P 250V 5%CAP 0603 SMT NP0
C2	8178	470P 250V 5%CAP 0603 SMT NP0
C3	5213	_1N 630V 5%CAP T&R RAD PRO.2FM
C6	5204	_10N 100V 10%CAP T&R RAD .2FLM
C8	7813	_47P 50V 5%CAP 0805 SMT NPO
C9	5961	_33U 16V 20%CAP T&R RAD .2IN NP
C11	5234	470N 63V 10%CAP T&R RAD .2FLM
C12	5234	470N 63V 10%CAP T&R RAD .2FLM
C13	5222	_33N 100V 10%CAP T&R RAD .2FLM
C14	5222	_33N 100V 10%CAP T&R RAD .2FLM
C16	5234	470N 63V 10%CAP T&R RAD .2FLM
C17	5234	470N 63V 10%CAP T&R RAD .2FLM
C18	5265	_68U 25V 20%CAP T&R RAD .2EL
C21	5265	_68U 25V 20%CAP T&R RAD .2EL
C36	5212	100N 63V 5%CAP T&R RAD .2FLM
C37	5212	100N 63V 5%CAP T&R RAD .2FLM
C39	5226	_68N 100V 5%CAP T&R RAD .2FLM
C40	5231	220N 63V 5%CAP T&R RAD .2FLM
C46	5979	100N 50V 5%CAP 0805 SMT X7R
C47	5979	100N 50V 5%CAP 0805 SMT X7R
C48	5222	_33N 100V 10%CAP T&R RAD .2FLM
C49	5234	470N 63V 10%CAP T&R RAD .2FLM
C50	5222	_33N 100V 10%CAP T&R RAD .2FLM
C51	5234	470N 63V 10%CAP T&R RAD .2FLM
C74	5979	100N 50V 5%CAP 0805 SMT X7R
C93	7931	270P 50V 5%CAP 0805 SMT NPO
C94	7931	270P 50V 5%CAP 0805 SMT NPO
C120	7693	_1N 50V 5%CAP 0805 SMT NPO
C124	5979	100N 50V 5%CAP 0805 SMT X7R
C125	5979	100N 50V 5%CAP 0805 SMT X7R
C126	5979	100N 50V 5%CAP 0805 SMT X7R
C127	5979	100N 50V 5%CAP 0805 SMT X7R
C128	5979	100N 50V 5%CAP 0805 SMT X7R
C129	5979	100N 50V 5%CAP 0805 SMT X7R
C130	5979	100N 50V 5%CAP 0805 SMT X7R
C131	5979	100N 50V 5%CAP 0805 SMT X7R
C132	5979	100N 50V 5%CAP 0805 SMT X7R
C133	5979	100N 50V 5%CAP 0805 SMT X7R
C135	5979	100N 50V 5%CAP 0805 SMT X7R
C136	5979	100N 50V 5%CAP 0805 SMT X7R
C137	5979	100N 50V 5%CAP 0805 SMT X7R
C138	5979	100N 50V 5%CAP 0805 SMT X7R
C139	5979	100N 50V 5%CAP 0805 SMT X7R
C140	5979	100N 50V 5%CAP 0805 SMT X7R
D2	7750	CDSF4148 75V 0A15 1005 SMT
D3	7750	CDSF4148 75V 0A15 1005 SMT
D4	7750	CDSF4148 75V 0A15 1005 SMT
D5	7750	CDSF4148 75V 0A15 1005 SMT
D6	7750	CDSF4148 75V 0A15 1005 SMT
D7	7750	CDSF4148 75V 0A15 1005 SMT
D9	7750	CDSF4148 75V 0A15 1005 SMT
D10	7750	CDSF4148 75V 0A15 1005 SMT
D11	7750	CDSF4148 75V 0A15 1005 SMT
D15	7750	CDSF4148 75V 0A15 1005 SMT
D24	7750	CDSF4148 75V 0A15 1005 SMT
D31	7750	CDSF4148 75V 0A15 1005 SMT
D35	7750	CDSF4148 75V 0A15 1005 SMT
D39	7750	CDSF4148 75V 0A15 1005 SMT
D40	7750	CDSF4148 75V 0A15 1005 SMT
D46	7750	CDSF4148 75V 0A15 1005 SMT
D47	7750	CDSF4148 75V 0A15 1005 SMT
D48	7750	CDSF4148 75V 0A15 1005 SMT
J1	4140	XLR MALE PCB MT VERT 24MM A-SERIES
J2	4010	XLR FEML PCB MT VERT 24MM AA-SERIES
J3	4063	1/4IN ISO JCK PCMT VT STER RT SWT
J7	4063	1/4IN ISO JCK PCMT VT STER RT SWT
L10	7967	_15.0UH COIL 0805 SMT
L11	7967	_15.0UH COIL 0805 SMT
L12	7967	_15.0UH COIL 0805 SMT
L13	7967	_15.0UH COIL 0805 SMT
LD1	6408	GRN 3MM LED 2V2 20MA DIFFUSD
LD2	6400	YEL 3MM LED 2V1 20MA DIFFUSD
LD3	6405	RED 3MM LED 2V1 20MA DIFFUSD
P1	2339	_10K B LIN 12MM DUAL 21DET P34
PS15S	7882	W250 0R 1206 SMT RES
PTC1	6543	48R 265V RESETTABLE THERMISTOR PTC
Q1	7837	MMBT5401 PNP SOT-23 SMT
Q2	7838	MMBT3904 NPN SOT-23 SMT
Q4	7838	MMBT3904 NPN SOT-23 SMT
Q5	7838	MMBT3904 NPN SOT-23 SMT
Q21	7701	MMBTA14 NPN DARL SOT-23 SMT
R1	7621	W100 1K0 1% 0805 SMT RES
R2	7928	W125 10K00 0.1% 0805 SMT RES
R3	7633	W100 2K74 1% 0805 SMT RES
R4	7621	W100 1K0 1% 0805 SMT RES
R5	7929	W125 18K00 0.1% 0805 SMT RES
R6	7928	W125 10K00 0.1% 0805 SMT RES
R7	7639	W100 357K 1% 0805 SMT RES
R8	7635	W100 221R 1% 0805 SMT RES
R9	7864	W125 100K 5% 0805 SMT RES
R10	8135	W125 47K 5% 0805 SMT RES
R11	8135	W125 47K 5% 0805 SMT RES
R12	7745	W125 0R 5% 0805 SMT RES
R13	7864	W125 100K 5% 0805 SMT RES
R14	7635	W100 221R 1% 0805 SMT RES
R15	8135	W125 47K 5% 0805 SMT RES
R16	8184	W125 220K 5% 0805 SMT RES
R17	8135	W125 47K 5% 0805 SMT RES
R18	7687	W100 348K 1% 0805 SMT RES
R19	7621	W100 1K0 1% 0805 SMT RES
R21	7899	W125 1K800 0.1% 0805 SMT RES
R23	7625	W100 10K0 1% 0805 SMT RES
R24	8135	W125 47K 5% 0805 SMT RES
R25	7858	W125 1K5 5% 0805 SMT RES
R27	7856	W125 470R 5% 0805 SMT RES
R28	7625	W100 10K0 1% 0805 SMT RES
R29	7679	W100 4K99 1% 0805 SMT RES
R32	7860	W125 4K7 5% 0805 SMT RES
R33	7636	W100 27K4 1% 0805 SMT RES
R34	7636	W100 27K4 1% 0805 SMT RES
R35	7636	W100 27K4 1% 0805 SMT RES
R36	7864	W125 100K 5% 0805 SMT RES
R39	7854	W125 47R 5% 0805 SMT RES
R41	7745	W125 0R 5% 0805 SMT RES
R42	7899	W125 1K800 0.1% 0805 SMT RES
R46	7703	W125 82K5 1% 0805 SMT RES
R47	7703	W125 82K5 1% 0805 SMT RES
R48	8180	W125 22M0 5% 0805 SMT RES
R49	7628	W100 15K0 1% 0805 SMT RES
R55	7628	W100 15K0 1% 0805 SMT RES
R56	8184	W125 220K 5% 0805 SMT RES
R68	7622	W100 1M0 1% 0805 SMT RES
R73	8212	W125 1K54 1% 0805 SMT RES
R83	7627	W100 13K 1% 0805 SMT RES
R84	7625	W100 10K0 1% 0805 SMT RES
R85	8051	W125 68K 5% 0805 SMT RES
R86	7676	W100 2K0 1% 0805 SMT RES
R88	8181	W125 5K6 1% 0805 SMT RES
R89	8135	W125 47K 5% 0805 SMT RES
R90	8182	W125 22K 5% 0805 SMT RES
R91	8182	W125 22K 5% 0805 SMT RES
R92	8135	W125 47K 5% 0805 SMT RES
R93	8135	W125 47K 5% 0805 SMT RES
R94	8135	W125 47K 5% 0805 SMT RES
R95	7860	W125 4K7 5% 0805 SMT RES
R96	7636	W100 27K4 1% 0805 SMT RES
R97	7636	W100 27K4 1% 0805 SMT RES
R98	7636	W100 27K4 1% 0805 SMT RES
R107	7929	W125 18K00 0.1% 0805 SMT RES
R111	7856	W125 470R 5% 0805 SMT RES
R112	7860	W125 4K7 5% 0805 SMT RES
R113	7858	W125 1K5 5% 0805 SMT RES
R114	7636	W100 27K4 1% 0805 SMT RES
R115	7703	W125 82K5 1% 0805 SMT RES
R116	7633	W100 2K74 1% 0805 SMT RES
R118	7631	W100 2K21 1% 0805 SMT RES
R119	7686	W100 274K 1% 0805 SMT RES
R120	7863	W125 33K 5% 0805 SMT RES
R121	7625	W100 10K0 1% 0805 SMT RES
R122	7633	W100 2K74 1% 0805 SMT RES
R123	7633	W100 2K74 1% 0805 SMT RES
R124	7703	W125 82K5 1% 0805 SMT RES
R126	7625	W100 10K0 1% 0805 SMT RES
R127	7625	W100 10K0 1% 0805 SMT RES
R128	7622	W100 1M0 1% 0805 SMT RES
R142	7625	W100 10K0 1% 0805 SMT RES
R159	7622	W100 1M0 1% 0805 SMT RES
R164	7858	W125 1K5 5% 0805 SMT RES
R165	7900	W125 30K 0.5% 0805 SMT RES
R181	7900	W125 30K 0.5% 0805 SMT RES
R196	7679	W100 4K99 1% 0805 SMT RES
S1	3522	DPDT MINI PC VERT SNP ALT
U1	7817	33078 DUAL OPAMP SMT SO-8
U4	7669	TL072 DUAL OPAMP SMT SO-8
U5	7817	33078 DUAL OPAMP SMT SO-8
U6	7817	33078 DUAL OPAMP SMT SO-8
U7	7817	33078 DUAL OPAMP SMT SO-8
U15	7828	LM13700M XCONDUCTANC AMP SMT IC
U18	7817	33078 DUAL OPAMP SMT SO-8
U25	7669	TL072 DUAL OPAMP SMT SO-8
U27	7669	TL072 DUAL OPAMP SMT SO-8
U40	7669	TL072 DUAL OPAMP SMT SO-8
W100	2344	8 CIR XH-HEADER RA 0.098IN
ZD1	7832	MM3Z18VT1G 18V0 0W2 5% SMT ZEN
ZD2	7832	MM3Z18VT1G 18V0 0W2 5% SMT ZEN



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

Section:	INPUT
Product(s):	PS15S-M1597
PCB# PS15S-M1597	Rev# V02
BOM Rev# 02	Sheet 1 Of 1
Date Modified: 10-Jul-18	Filename: X8022.SCHDOC

DESIGN HISTORY AND INFORMATION

CHANGE HISTORY

#	DATE	VER#	PC#	DESCRIPTION OF CHANGE
1	15-SEP-2014	V01	.	.
2	07-JUL-2017	V02	9039	Add M1698-PSA1S and M1699-PSA2S
3	14-JUN-2018	V02	9193	R18 from 348k #7687 to 200k #7685 R32 from 4k7 #7860 to 6k2 #8274
4	.	.	.	R33 from 27k4 #7636 to 20k5 #7634
5	10-JUL-2018	.	8997	Add RTV to parts C18, C21, C9 and PTC1
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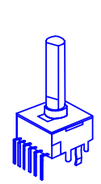
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POTENTIOMETERS AND KNOBS

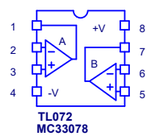
POTENTIOMETERS AND KNOBS				
REF	FUNCTION	POT#	STYLE	KNOB#
P1	LEVEL	2339	P34	8653
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PINOUT DIAGRAMS

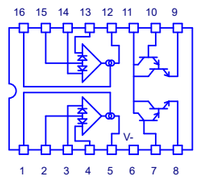
CASES AND PINS



"STYLE_P34"



TL072
MC33078



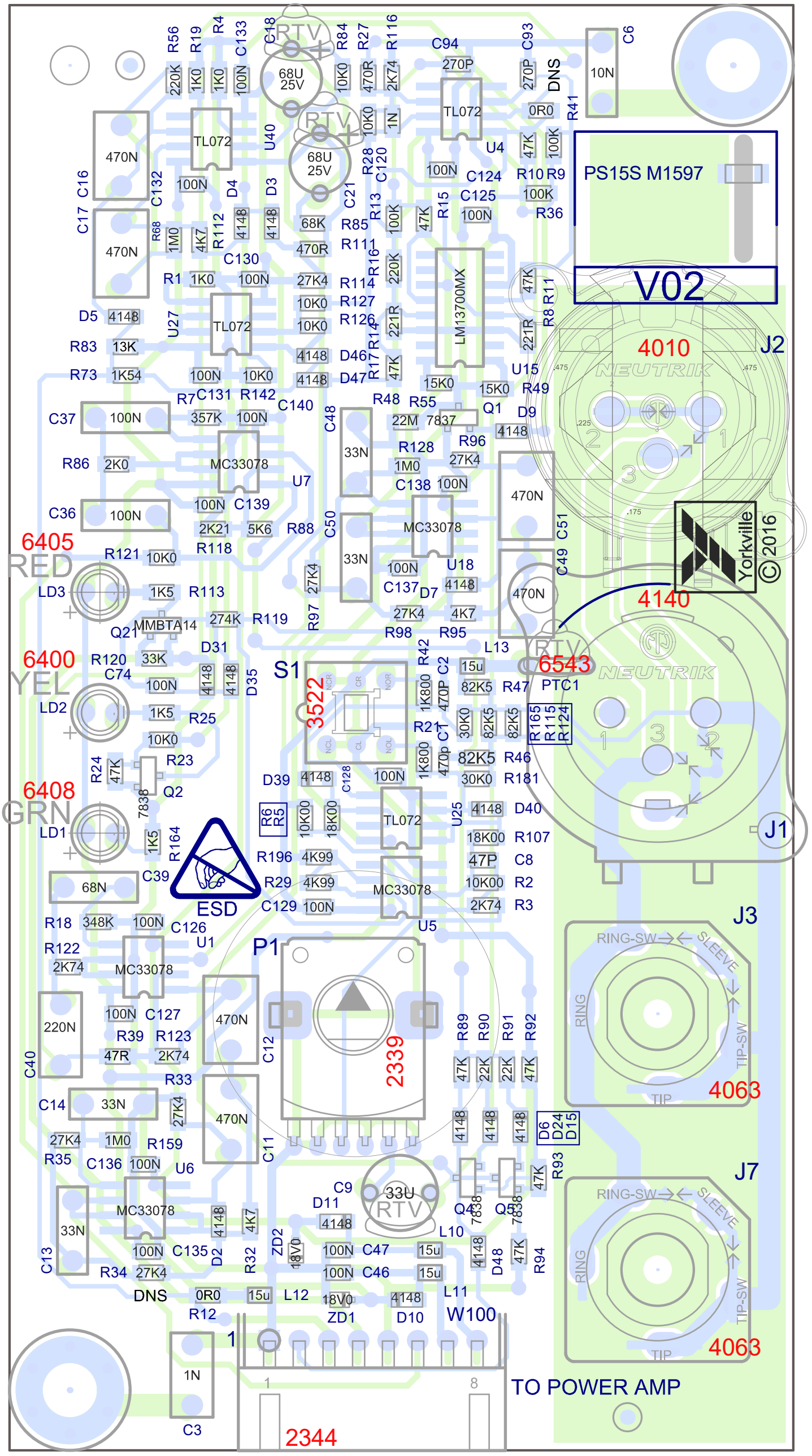
LM13700MX

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#: V02	EML Rev#: 02	Sheet 1	Of 2
Modified:	10-Jul-18	File: History.SchDoc		Tmp Rev:	TemplateRev

PS15S-M1597V02



PCB ASSEMBLY DOCUMENTATION

SPECIAL PRODUCTION NOTES

1. THIS BOARD IS FOR
   - M1596 FOR PS12S
   - M1597 FOR PS15S
   - M1598 FOR PS18S
   - M1698 FOR PSA1S
   - M1699 FOR PSA2S

   SEE SMT JUMPERS TO IDENTIFY

2. ADD RTV TO COMPONENTS WHERE INDICATED

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#: V02	EML Rev#: 02	Sheet 1 Of *	
	Modified: 10-Jul-18	File: Assembly.SchDoc		Tmp Date: 03/15/2013	

DESIGN HISTORY AND INFORMATION

CHANGE HISTORY

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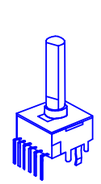
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POTENTIOMETERS AND KNOBS

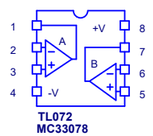
POTENTIOMETERS AND KNOBS				
REF	FUNCTION	POT#	STYLE	KNOB#
P1	LEVEL	2339	P34	8653
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PINOUT DIAGRAMS

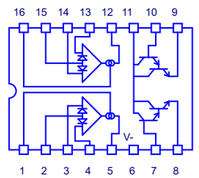
CASES AND PINS



"STYLE_P34"



TL072
MC33078



LM13700MX

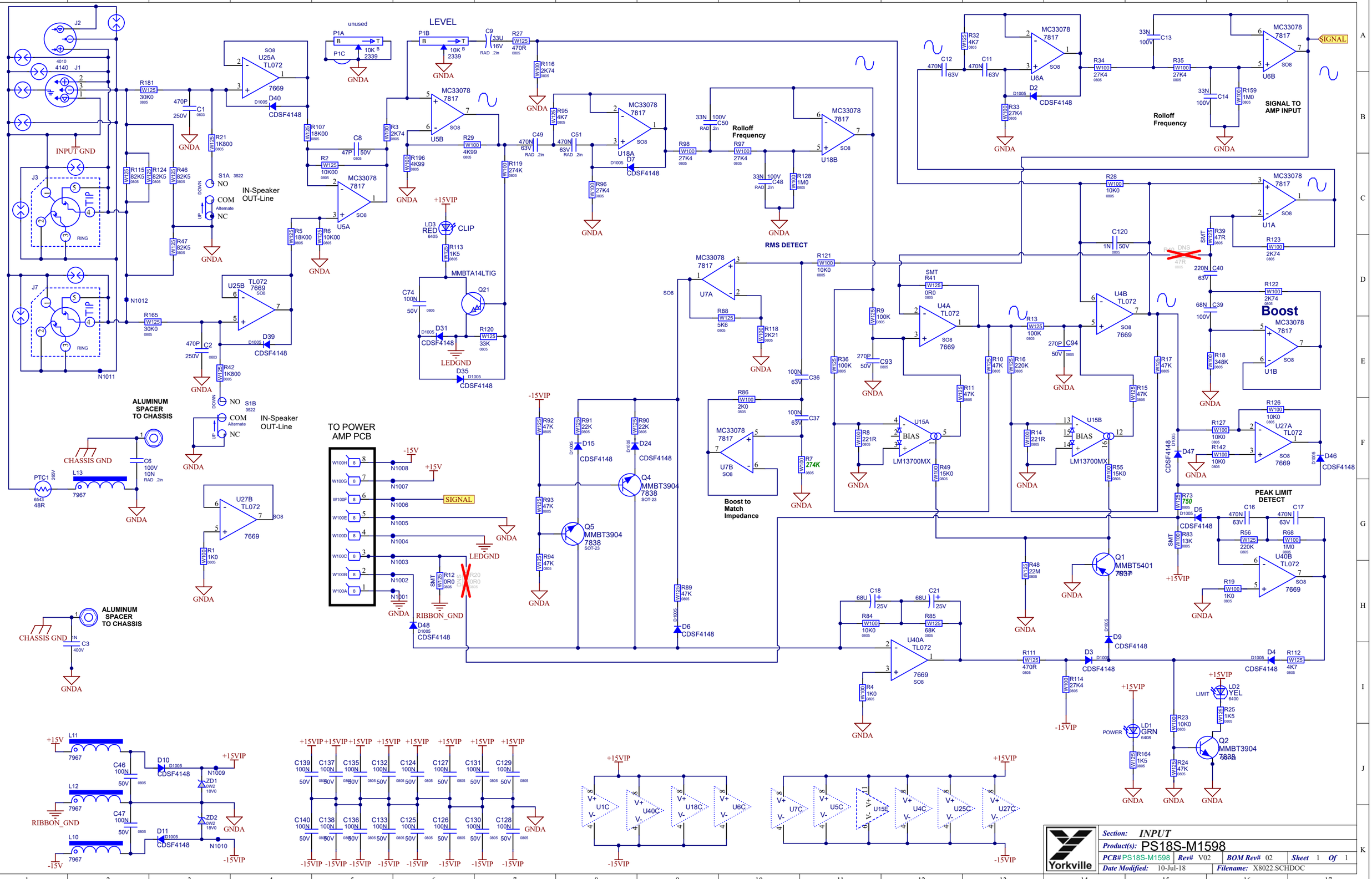
THIS SHEET CONTAINS A CHANGE HISTORY LOG, A LIST OF THE POTS & KNOBS AND A LEADS & PINS REFERENCE SECTION.

Yorkville

Section:	Design Information And History				
Product(s):	PS SUBS INPUT BOARD				
PCB#:	X8022	Rev#: V02	EML Rev#: 02	Sheet 1	Of 2
Modified:	10-Jul-18	File: History.SchDoc		Tmp Rev:	TemplateRev

M1598 Parts Reference List 7/12/2018

REF	YS #	Description
C1	8178	470P 250V 5%CAP 0603 SMT NP0
C2	8178	470P 250V 5%CAP 0603 SMT NP0
C3	5213	__1N 630V 5%CAP T&R RAD PRO.2FM
C6	5204	_10N 100V 10%CAP T&R RAD .2FLM
C8	7813	_47P 50V 5%CAP 0805 SMT NPO
C9	5961	_33U 16V 20%CAP T&R RAD .2IN NP
C11	5234	470N 63V 10%CAP T&R RAD .2FLM
C12	5234	470N 63V 10%CAP T&R RAD .2FLM
C13	5222	_33N 100V 10%CAP T&R RAD .2FLM
C14	5222	_33N 100V 10%CAP T&R RAD .2FLM
C16	5234	470N 63V 10%CAP T&R RAD .2FLM
C17	5234	470N 63V 10%CAP T&R RAD .2FLM
C18	5265	_68U 25V 20%CAP T&R RAD .2EL
C21	5265	_68U 25V 20%CAP T&R RAD .2EL
C36	5212	100N 63V 5%CAP T&R RAD .2FLM
C37	5212	100N 63V 5%CAP T&R RAD .2FLM
C39	5226	_68N 100V 5%CAP T&R RAD .2FLM
C40	5231	220N 63V 5%CAP T&R RAD .2FLM
C46	5979	100N 50V 5%CAP 0805 SMT X7R
C47	5979	100N 50V 5%CAP 0805 SMT X7R
C48	5222	_33N 100V 10%CAP T&R RAD .2FLM
C49	5234	470N 63V 10%CAP T&R RAD .2FLM
C50	5222	_33N 100V 10%CAP T&R RAD .2FLM
C51	5234	470N 63V 10%CAP T&R RAD .2FLM
C74	5979	100N 50V 5%CAP 0805 SMT X7R
C93	7931	270P 50V 5%CAP 0805 SMT NPO
C94	7931	270P 50V 5%CAP 0805 SMT NPO
C120	7693	__1N 50V 5%CAP 0805 SMT NPO
C124	5979	100N 50V 5%CAP 0805 SMT X7R
C125	5979	100N 50V 5%CAP 0805 SMT X7R
C126	5979	100N 50V 5%CAP 0805 SMT X7R
C127	5979	100N 50V 5%CAP 0805 SMT X7R
C128	5979	100N 50V 5%CAP 0805 SMT X7R
C129	5979	100N 50V 5%CAP 0805 SMT X7R
C130	5979	100N 50V 5%CAP 0805 SMT X7R
C131	5979	100N 50V 5%CAP 0805 SMT X7R
C132	5979	100N 50V 5%CAP 0805 SMT X7R
C133	5979	100N 50V 5%CAP 0805 SMT X7R
C135	5979	100N 50V 5%CAP 0805 SMT X7R
C136	5979	100N 50V 5%CAP 0805 SMT X7R
C137	5979	100N 50V 5%CAP 0805 SMT X7R
C138	5979	100N 50V 5%CAP 0805 SMT X7R
C139	5979	100N 50V 5%CAP 0805 SMT X7R
C140	5979	100N 50V 5%CAP 0805 SMT X7R
D2	7750	CDSF4148 75V 0A15 1005 SMT
D3	7750	CDSF4148 75V 0A15 1005 SMT
D4	7750	CDSF4148 75V 0A15 1005 SMT
D5	7750	CDSF4148 75V 0A15 1005 SMT
D6	7750	CDSF4148 75V 0A15 1005 SMT
D7	7750	CDSF4148 75V 0A15 1005 SMT
D9	7750	CDSF4148 75V 0A15 1005 SMT
D10	7750	CDSF4148 75V 0A15 1005 SMT
D11	7750	CDSF4148 75V 0A15 1005 SMT
D15	7750	CDSF4148 75V 0A15 1005 SMT
D24	7750	CDSF4148 75V 0A15 1005 SMT
D31	7750	CDSF4148 75V 0A15 1005 SMT
D35	7750	CDSF4148 75V 0A15 1005 SMT
D39	7750	CDSF4148 75V 0A15 1005 SMT
D40	7750	CDSF4148 75V 0A15 1005 SMT
D46	7750	CDSF4148 75V 0A15 1005 SMT
D47	7750	CDSF4148 75V 0A15 1005 SMT
D48	7750	CDSF4148 75V 0A15 1005 SMT
J1	4140	XLR MALE PCB MT VERT 24MM A-SERIES
J2	4010	XLR FEML PCB MT VERT 24MM AA-SERIES
J3	4063	1/4IN ISO JCK PCMT VT STER RT SWT
J7	4063	1/4IN ISO JCK PCMT VT STER RT SWT
L10	7967	_15.0UH COIL 0805 SMT
L11	7967	_15.0UH COIL 0805 SMT
L12	7967	_15.0UH COIL 0805 SMT
L13	7967	_15.0UH COIL 0805 SMT
LD1	6408	GRN 3MM LED 2V2 20MA DIFFUSD
LD2	6400	YEL 3MM LED 2V1 20MA DIFFUSD
LD3	6405	RED 3MM LED 2V1 20MA DIFFUSD
P1	2339	_10K B LIN 12MM DUAL 21DET P34
PS18S	7882	W250 0R 1206 SMT RES
PTC1	6543	48R 265V RESETTABLE THERMISTOR PTC
Q1	7837	MMBT5401 PNP SOT-23 SMT
Q2	7838	MMBT3904 NPN SOT-23 SMT
Q4	7838	MMBT3904 NPN SOT-23 SMT
Q5	7838	MMBT3904 NPN SOT-23 SMT
Q21	7701	MMBTA14 NPN DARL SOT-23 SMT
R1	7621	W100 1K0 1% 0805 SMT RES
R2	7928	W125 10K00 0.1% 0805 SMT RES
R3	7633	W100 2K74 1% 0805 SMT RES
R4	7621	W100 1K0 1% 0805 SMT RES
R5	7929	W125 18K00 0.1% 0805 SMT RES
R6	7928	W125 10K00 0.1% 0805 SMT RES
R7	7686	W100 274K 1% 0805 SMT RES
R8	7635	W100 221R 1% 0805 SMT RES
R9	7864	W125 100K 5% 0805 SMT RES
R10	8135	W125 47K 5% 0805 SMT RES
R11	8135	W125 47K 5% 0805 SMT RES
R12	7745	W125 0R 5% 0805 SMT RES
R13	7864	W125 100K 5% 0805 SMT RES
R14	7635	W100 221R 1% 0805 SMT RES
R15	8135	W125 47K 5% 0805 SMT RES
R16	8184	W125 220K 5% 0805 SMT RES
R17	8135	W125 47K 5% 0805 SMT RES
R18	7687	W100 348K 1% 0805 SMT RES
R19	7621	W100 1K0 1% 0805 SMT RES
R21	7899	W125 1K800 0.1% 0805 SMT RES
R23	7625	W100 10K0 1% 0805 SMT RES
R24	8135	W125 47K 5% 0805 SMT RES
R25	7858	W125 1K5 5% 0805 SMT RES
R27	7856	W125 470R 5% 0805 SMT RES
R28	7625	W100 10K0 1% 0805 SMT RES
R29	7679	W100 4K99 1% 0805 SMT RES
R32	7860	W125 4K7 5% 0805 SMT RES
R33	7636	W100 27K4 1% 0805 SMT RES
R34	7636	W100 27K4 1% 0805 SMT RES
R35	7636	W100 27K4 1% 0805 SMT RES
R36	7864	W125 100K 5% 0805 SMT RES
R39	7854	W125 47R 5% 0805 SMT RES
R41	7745	W125 0R 5% 0805 SMT RES
R42	7899	W125 1K800 0.1% 0805 SMT RES
R46	7703	W125 82K5 1% 0805 SMT RES
R47	7703	W125 82K5 1% 0805 SMT RES
R48	8180	W125 22M0 5% 0805 SMT RES
R49	7628	W100 15K0 1% 0805 SMT RES
R55	7628	W100 15K0 1% 0805 SMT RES
R56	8184	W125 220K 5% 0805 SMT RES
R68	7622	W100 1M0 1% 0805 SMT RES
R73	7951	W125 750R 1% 0805 SMT RES
R83	7627	W100 13K 1% 0805 SMT RES
R84	7625	W100 10K0 1% 0805 SMT RES
R85	8051	W125 68K 5% 0805 SMT RES
R86	7676	W100 2K0 1% 0805 SMT RES
R88	8181	W125 5K6 1% 0805 SMT RES
R89	8135	W125 47K 5% 0805 SMT RES
R90	8182	W125 22K 5% 0805 SMT RES
R91	8182	W125 22K 5% 0805 SMT RES
R92	8135	W125 47K 5% 0805 SMT RES
R93	8135	W125 47K 5% 0805 SMT RES
R94	8135	W125 47K 5% 0805 SMT RES
R95	7860	W125 4K7 5% 0805 SMT RES
R96	7636	W100 27K4 1% 0805 SMT RES
R97	7636	W100 27K4 1% 0805 SMT RES
R98	7636	W100 27K4 1% 0805 SMT RES
R107	7929	W125 18K00 0.1% 0805 SMT RES
R111	7856	W125 470R 5% 0805 SMT RES
R112	7860	W125 4K7 5% 0805 SMT RES
R113	7858	W125 1K5 5% 0805 SMT RES
R114	7636	W100 27K4 1% 0805 SMT RES
R115	7703	W125 82K5 1% 0805 SMT RES
R116	7633	W100 2K74 1% 0805 SMT RES
R118	7631	W100 2K21 1% 0805 SMT RES
R119	7686	W100 274K 1% 0805 SMT RES
R120	7863	W125 33K 5% 0805 SMT RES
R121	7625	W100 10K0 1% 0805 SMT RES
R122	7633	W100 2K74 1% 0805 SMT RES
R123	7633	W100 2K74 1% 0805 SMT RES
R124	7703	W125 82K5 1% 0805 SMT RES
R126	7625	W100 10K0 1% 0805 SMT RES
R127	7625	W100 10K0 1% 0805 SMT RES
R128	7622	W100 1M0 1% 0805 SMT RES
R142	7625	W100 10K0 1% 0805 SMT RES
R159	7622	W100 1M0 1% 0805 SMT RES
R164	7858	W125 1K5 5% 0805 SMT RES
R165	7900	W125 30K 0.5% 0805 SMT RES
R181	7900	W125 30K 0.5% 0805 SMT RES
R196	7679	W100 4K99 1% 0805 SMT RES
S1	3522	DPDT MINI PC VERT SNP ALT
U1	7817	33078 DUAL OPAMP SMT SO-8
U4	7669	TL072 DUAL OPAMP SMT SO-8
U5	7817	33078 DUAL OPAMP SMT SO-8
U6	7817	33078 DUAL OPAMP SMT SO-8
U7	7817	33078 DUAL OPAMP SMT SO-8
U15	7828	LM13700M XCONDUCTANC AMP SMT IC
U18	7817	33078 DUAL OPAMP SMT SO-8
U25	7669	TL072 DUAL OPAMP SMT SO-8
U27	7669	TL072 DUAL OPAMP SMT SO-8
U40	7669	TL072 DUAL OPAMP SMT SO-8
W100	2344	8 CIR XH-HEADER RA 0.098IN
ZD1	7832	MM3Z18VT1G 18V0 0W2 5% SMT ZEN
ZD2	7832	MM3Z18VT1G 18V0 0W2 5% SMT ZEN



Yorkville	Section:	INPUT			
	Product(s):	PS18S-M1598			
	PCB# PS18S-M1598	Rev# V02	BOM Rev# 02	Sheet 1	Of 1
	Date Modified: 10-Jul-18		Filename: X8022.SCHDOC		

DESIGN HISTORY AND INFORMATION

CHANGE HISTORY

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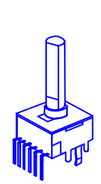
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POTENTIOMETERS AND KNOBS

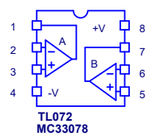
POTENTIOMETERS AND KNOBS				
REF	FUNCTION	POT#	STYLE	KNOB#
P1	LEVEL	2339	P34	8653
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PINOUT DIAGRAMS

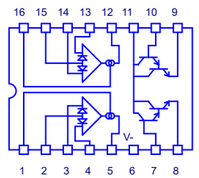
CASES AND PINS



"STYLE_P34"



TL072
MC33078



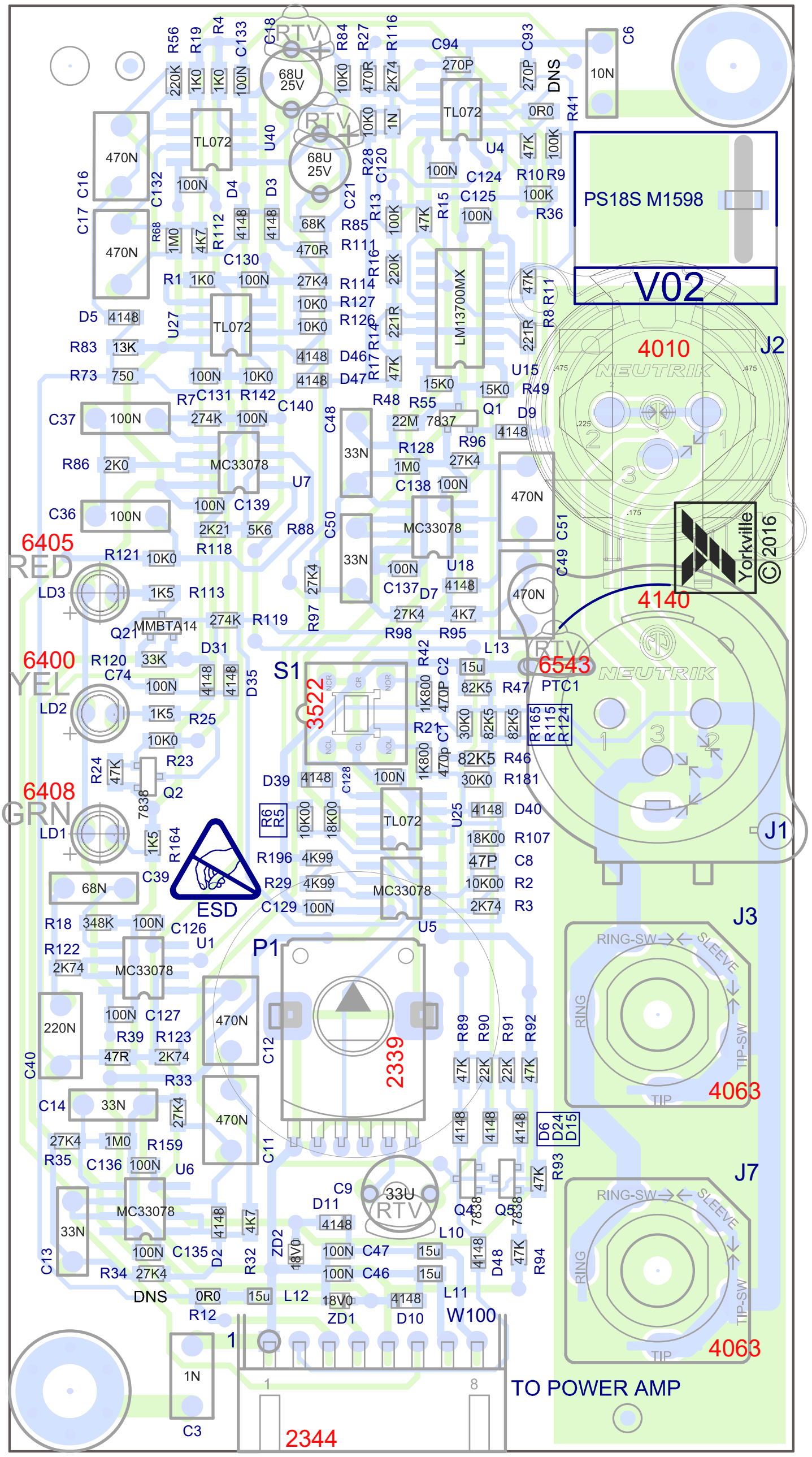
LM13700MX

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#: V02	EML Rev#: 02	Sheet 1	Of 2
Modified:	10-Jul-18	File: History.SchDoc		Tmp Rev:	TemplateRev

PS18S-M1598V02



PCB ASSEMBLY DOCUMENTATION

SPECIAL PRODUCTION NOTES

1. THIS BOARD IS FOR
   - M1596 FOR PS12S
   - M1597 FOR PS15S
   - M1598 FOR PS18S
   - M1698 FOR PSA1S
   - M1699 FOR PSA2S

   SEE SMT JUMPERS TO IDENTIFY

2. ADD RTV TO COMPONENTS WHERE INDICATED

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#: V02	EML Rev#: 02	Sheet 1 Of *	
	Modified: 10-Jul-18	File: Assembly.SchDoc		Tmp Date: 03/15/2013	

DESIGN HISTORY AND INFORMATION

CHANGE HISTORY

#	DATE	VER#	PC#	DESCRIPTION OF CHANGE
1	15-SEP-2014	V01	.	.
2	07-JUL-2017	V02	9039	Add M1698-PSA1S and M1699-PSA2S
3	14-JUN-2018	V02	9193	R18 from 348k #7687 to 200k #7685 R32 from 4k7 #7860 to 6k2 #8274
4	.	.	.	R33 from 27k4 #7636 to 20k5 #7634
5	10-JUL-2018	.	8997	Add RTV to parts C18, C21, C9 and PTC1
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#	DATE	VER#	PC#	DESCRIPTION OF CHANGE
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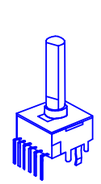
#	DATE	VER#	PC#	DESCRIPTION OF CHANGE
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POTENTIOMETERS AND KNOBS

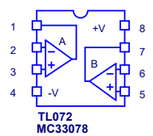
POTENTIOMETERS AND KNOBS				
REF	FUNCTION	POT#	STYLE	KNOB#
P1	LEVEL	2339	P34	8653
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PINOUT DIAGRAMS

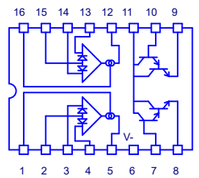
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