

NS21P REV1+REV2

CANADA

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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'amplieur suffisante pour présenter un risque de choc électrique.



The DO NOT STACK symbol is intended to alert the user that the product shall not be vertically stacked because of the nature of the product.

Le symbole NE PAS EMPIERL est pour alerter l'utilisateur que le produit ne doit pas être empilé verticalement en raison de la nature du produit.



SEPARATE
COLLECTION
WEEE



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



CAUTION: HOT SURFACE
ATTENTION: SURFACE CHAUE



DO NOT
PUSH OR PULL
NOT TO BE SERVICED
BY USERS



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.



CAUTION: OVERHEAD LOAD
ATTENTION: CHARGE AÉRIENNE

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!

INSTALLED BATTERY PACKS SHALL NOT BE EXPOSED TO EXCESSIVE HEAT SUCH AS SUNSHINE, FIRE OR THE LIKE.

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.

Cleaning: Clean only with dry cloth.

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

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

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

Power Sources

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

Equipment that is suspended overhead must use a secondary safeguard to prevent personal injury in the event the primary mounting mechanism fails. Safety eyebolts attached to the equipment and galvanized steel wire can be used together to implement a failsafe mounting thus ensuring the safety of the equipment and anyone positioned below the equipment.

Improper installation can result in bodily injury or death. If you are not qualified to attempt the installation get help from a professional structural rigger.

Note: Prolonged use of headphones at a high volume may cause health damage to 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, requires battery pack replacement or has been dropped. Disconnect power before servicing!

SUIVEZ TOUTES LES INSTRUCTIONS

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

AVIS: AFIN DE REDUIRE LES RISQUE DE CHOC ELECTRIQUE, N'ENLEVEZ PAS LE COUVERT (OU LE PANNEAU ARRIERE) NE CONTIENT AUCUNE PIECE REPARABLE PAR L'UTILISATEUR. CONSULTEZ UN TECHNICIEN QUALIFIE POUR L'ENTRETIEN CE PRODUIT EST POUR L'USAGE A L'INTERIEUR SEULEMENT. LES PACKS BATTERIES INSTALLÉS NE DOIVENT PAS ÊTRE EXPOSÉS À UNE CHALEUR EXCESSIVE TELLE QUE LE ENSOLEILLEMENT, LE FEU OU SIMILAIRES.

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

Nettoyage: Nettoyez seulement avec le tissu sec.

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

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

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

Alimentation - L'appareil ne doit être branché qu'à une source d'alimentation correspondant au voltage spécifié dans le manuel ou tel qu'indiqué sur l'appareil. Cet appareil est équipé d'une prise d'alimentation polarisée. Ne pas utiliser cet appareil avec un cordon de raccordement à moins qu'il soit possible d'insérer complètement les trois lames. Des précautions doivent être prises afin d'éviter que le système de mise à la terre de l'appareil ne soit désengagé. Un appareil construit selon les normes de CLASSE 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 pourra 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. Suivez les instructions du fabricant pour installer l'appareil et utiliser les accessoires recommandés par le fabricant. Utilisez seulement les attaches/accessoires indiqués par le fabricant.

L'équipement suspendu au-dessus de la tête doit utiliser une protection secondaire pour éviter les blessures en cas de défaillance du mécanisme de montage principal. Les boulons à ceil de sécurité fixés à l'équipement et le fil d'acier galvanisé peuvent être utilisés ensemble pour mettre en œuvre un montage à sécurité intégrée, assurant ainsi la sécurité de l'équipement et de toute personne placée sous l'équipement.

Une installation incorrecte peut entraîner des blessures corporelles ou la mort. Si vous n'êtes pas qualifié pour tenter l'installation, demandez l'aide d'un gérant structurel professionnel.

Remarque : L'utilisation prolongée d'écouteurs à un volume élevé peut nuire à la santé de vos oreilles.

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

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

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

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

Cordon d'Alimentation - Ne pas enlever le dispositif de sécurité sur la prise polarisée ou la prise avec tige de mise à la masse du cordon d'alimentation. Une prise polarisée dispose de deux lames dont une plus large que l'autre. Une prise avec tige de mise à la masse dispose de deux lames en plus d'une troisième tige qui connecte à la masse. La lame plus large ou la tige de mise à la masse est prévu pour votre sécurité. La prise murale est désignée 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 - L'appareil ne doit être entretenu que par un personnel de service qualifié. Une réparation est nécessaire lorsque l'appareil a été endommagé de quelque manière que ce soit, comme le cordon d'alimentation ou la fiche est endommagé, du liquide a été renversé ou des objets sont tombés dans l'appareil. L'appareil a été exposé à la pluie ou à l'humidité, ne fonctionne pas normalement, nécessite le remplacement de la batterie ou est tombé. Débranchez l'alimentation avant l'entretien!

IMPORTANT SAFETY INSTRUCTIONS



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 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.

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 bloquer 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 grande 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'en 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 chariot, 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'ÉLECTROCUSSION,
NE PAS RACCORDER A L'ALIMENTATION ÉLECTRIQUE ALORS
QUE LA GRILLE EST RETIRÉE.



VTC
PRO AUDIO
INCEPTION
NS21P

2400 WATT ACTIVE SUBWOOFER ENCLOSURE
INTEGRATED DIGITAL SIGNAL PROCESSOR

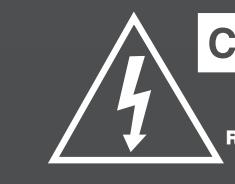


MODEL TYPE: YS1074
A-Z1206B / 1v1
230V~ 50Hz 6.0A C E 120VAC 60Hz 12.0A
MANUFACTURED BY
YORKVILLE SOUND • TORONTO, CANADA

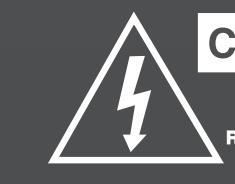


RISK OF ELECTRIC SHOCK
DO NOT OPEN

RISQUE DE CHOC ELECTRIQUE
NE PAS OUVRIR



CAUTION AVIS



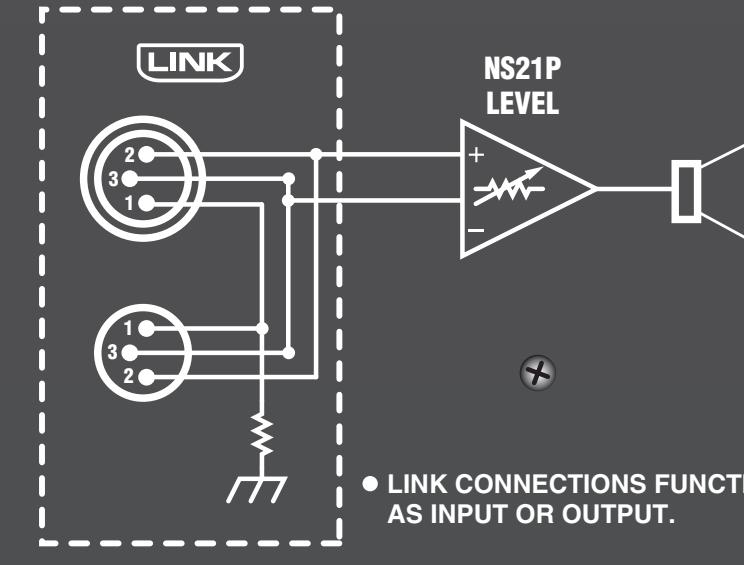
RISK OF ELECTRIC SHOCK
DO NOT OPEN

RISQUE DE CHOC ELECTRIQUE
NE PAS OUVRIR

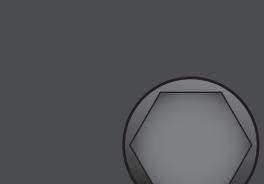
PUSH TO
RESET

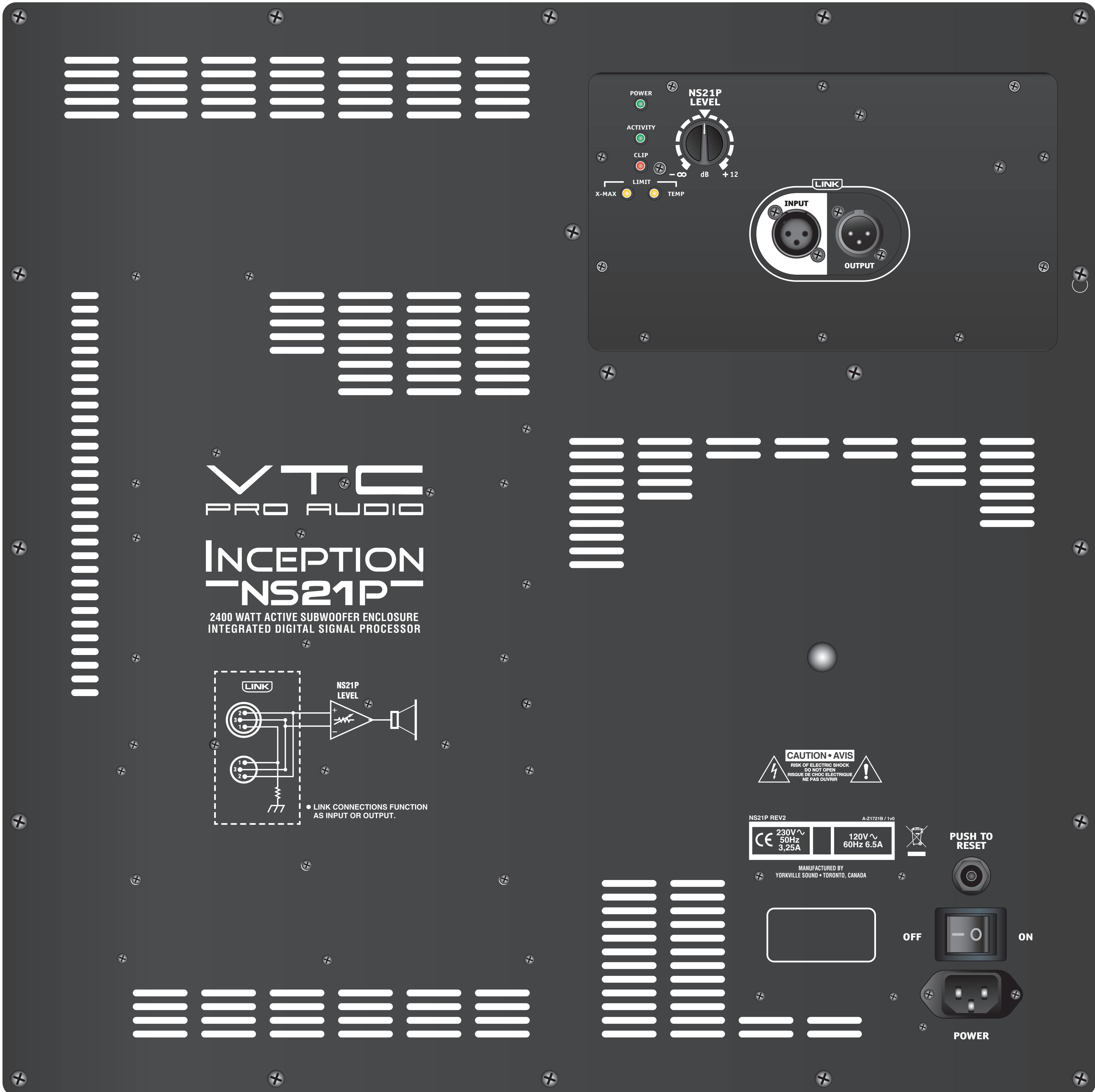
OFF — ON

POWER



LINK CONNECTIONS FUNCTION AS INPUT OR OUTPUT.



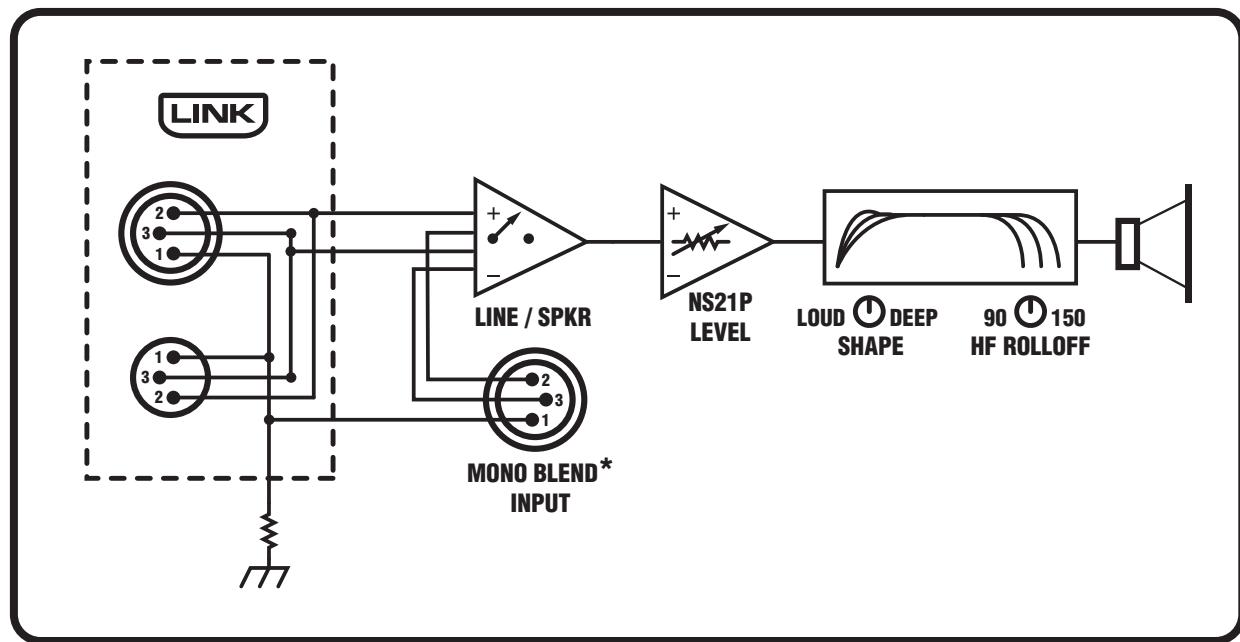


Specifications - NS21P

System Type	Rear Horn Loaded Subwoofer
Active or Passive	Active
Program Power (Watts)	2400
Max SPL (dB)	135
Frequency Response (Hz +/- 3db)	32 - 150
LF Driver(s)	Single 21 inch with 6 inch voicecoil
LF Program Power(Watts)	2400
LF Protection	Thermal / Overcurrent / Clip
Power Consumption (typ/max)	800 / 1440VA (12A@120V, 6A@230V)
Inputs - XLR	1 line inputs, 1 link output
Level Controls	Master
Bar Handles	6 Side / 2 Top / 2 Bottom
Pole Mount Adapter (1 3/8-inch-3.5cm)	1 Top
Enclosure Materials	15mm 11-ply Birch
Grille	Perforated Metal
Covering / Finish	Black Ultrathane Paint
Dimensions (DWH xbackW, inches)	31 x 25.25 x 36
Dimensions (DWH xbackW, cm)	78.7 x 64.1 x 94.1
Weight (lbs/kg)	209 / 94.8

Spécifications - NS21P

Type de système	Caisson subwoofer avec chargement arrière du pavillon
Active ou Passive	Active
Puissance Nominale (Watts)	2400
Niveau de Pression Sonore Max (dB)	135
Réponse en Fréquence (Hz +/- 3db)	32 - 150
Haut-Parleur - Fréquences Graves	HP unique de 21 pouces avec bobine de 6 pouces
Puissance Nominale pour Fréquences Graves (Watts)	2400
Protection - Fréquences Graves	Thermique / surcharge de courant / Clip
Consommation de Puissance (typ/max)	800 / 1440VA (12A@120V, 6A@230V)
Entrées - XLR	1 entrée ligne, 1 sortie link
Contrôles de Niveau	Volume général
Poignées	6 côtés / 2 Dessus / 2 Dessous
Adaptateur pour montage sur poteau (1 3/8-pouce-3.5cm)	1 Dessus
Matériaux	Bouleau Russe 15mm 11-plis
Grille	Métal Perforé
Recouvrement/ Finition	Peinture Noire Ultrathane
Dimensions (PLH x L arrière, pouces)	31 x 25.25 x 36
Dimensions (PLH x L arrière, cm)	78.7 x 64.1 x 94.1
Poids (livres/kg)	209 / 94.8



REF	YS #	Description	REF	YS #	Description	REF	YS #	Description	REF	YS #	Description
I_	3522	QPD1 MINI PC VERT SNP ALT	C81	5213	_1N 630V 5%CAP T&R RAD PRO .2FLM	D29	6438	1N4007 1000V 1A0 DIODE T&R	R10	6119	W250 47K 5%MINI T&R RES
C1	5820	470P 200V 5%CAP T&R BEAD NPO	C82	5213	_1N 630V 5%CAP T&R RAD PRO .2FLM	D30	6892	UF4004 400V 1A0 DIODE ULTRAFA	R11	6119	W250 47K 5%MINI T&R RES
C2	5820	470P 200V 5%CAP T&R BEAD NPO	C83	5231	220N 63V 5%CAP T&R RAD .2FLM	D31	6825	1N4148 75V 0A45 DIODE T&R	R12	4827	W250 47K 5% T&R RES
C3	5213	_1N 630V 5%CAP T&R RAD PRO .2FLM	C84	6451	_4N7 250V 20%CAP BLK 'Y' 10MM AC	D32	6892	UF4004 400V 1A0 DIODE ULTRAFA	R13	6120	W250 100K 5%MINI T&R RES
C5	5216	100N 100V 10%CAP T&R RAD .2CER	C85	5213	_1N 630V 5%CAP T&R RAD PRO .2FLM	D34	6825	1N4148 75V 0A45 DIODE T&R	R14	4957	W250 220R 5% T&R RES
C6	5204	_10N 100V 10%CAP T&R RAD .2FLM	C86	5213	_1N 630V 5%CAP T&R RAD PRO .2FLM	D35	6825	1N4148 75V 0A45 DIODE T&R	R15	6119	W250 47K 5%MINI T&R RES
C7	5954	_3U3 400VDC10% CAP BLKRAD POLYPFLM	C87	6451	_4N7 250V 20%CAP BLK 'Y' 10MM AC	D36	6825	1N4148 75V 0A45 DIODE T&R	R16	4841	W250 220K 5% T&R RES
C8	5199	100P 100V 2%CAP T&R RAD CER.ZNPO	C88	6451	_4N7 250V 20%CAP BLK 'Y' 10MM AC	D37	6825	1N4148 75V 0A45 DIODE T&R	R17	6119	W250 47K 5%MINI T&R RES
C9	5256	_1U 63V 5%CAP T&R RAD .2FLM	C89	6451	_4N7 250V 20%CAP BLK 'Y' 10MM AC	D38	6425	BAV21 200V 0A25 DIODE T&R	R18	6127	W250 47OK 5%MINI T&R RES
C10	5231	220N 63V 5%CAP T&R RAD .2FLM	C90	5204	10N 100V 10%CAP T&R RAD .2FLM	D39	6825	1N4148 75V 0A45 DIODE T&R	R19	4981	W250 1K 5%MINI T&R RES
C11	5234	470P 63V 10%CAP T&R RAD .2FLM	C91	5267	100U 25V 20%CAP T&R RAD .2EL	D40	6825	1N4148 75V 0A45 DIODE T&R	R20	3899	_18U MINI INDUCTOR Hi-Q T&R
C12	5234	470P 63V 10%CAP T&R RAD .2FLM	C92	5880	100U 35V 20%CAP T&R 8X1MM_.2EL	D41	6825	1N4148 75V 0A45 DIODE T&R	R21	4743	W250 681R 0.1% *** T&R RES
C13	5231	220N 63V 5%CAP T&R RAD .2FLM	C93	5197	220P 100V 2%CAP T&R RAD CER.ZNPO	D42	6733	BAT86 30V 0A2 DIODE SCHOT T&R	R22	3899	_18U MINI INDUCTOR Hi-Q T&R
C14	5226	_68N 100V 5%CAP T&R RAD .2FLM	C94	5197	220P 100V 2%CAP T&R RAD CER.ZNPO	D44	6733	BAT85 30V 0A2 DIODE SCHT T&R	R23	4983	W250 10K 5%MINI T&R RES
C15	5314	100N 50V 10%CAP T&R BEAD X7R	C95	5635	1000U 35V 20%CAP BLK RADIAL ELECT	D45	6892	UF4004 400V 1A0 DIODE ULTRAFA	R24	6119	W250 47K 5%MINI T&R RES
C16	5234	470N 63V 5%CAP T&R RAD .2FLM	C96	6451	_4N7 250V 20%CAP BLK 'Y' 10MM AC	D46	6825	1N4148 75V 0A45 DIODE T&R	R25	4988	W250 1K5 5%MINI T&R RES
C17	5234	470N 63V 5%CAP T&R RAD .2FLM	C97	5260	_22U 50V 20%CAP T&R RAD .2EL	D47	6825	1N4148 75V 0A45 DIODE T&R	R26	4911	W250 2R2 5% T&R RES
C18	5631	_22U 50V 20%CAP T&R 6X7MM_.2EL	C98	5260	_22U 50V 20%CAP T&R RAD .2EL	D50	6825	1N4148 75V 0A45 DIODE T&R	R27	4821	W250 47OR 5% T&R RES
C19	5216	100N 200V 5%CAP T&R RAD .2CER	C99	5212	100N 63V 5%CAP T&R RAD .2FLM	D52	6438	1N4007 1000V 1A0 DIODE T&R	R28	4983	W250 10K 5%MINI T&R RES
C20	5953	_3U3 250VDC10% CAP BLKRAD POLYPFLM	C100	5212	100N 63V 5%CAP T&R RAD .2FLM	D53	6438	1N4007 1000V 1A0 DIODE T&R	R29	4639	W250 4K99 1% T&R RES
C21	5631	_22U 200V 5%CAP T&R 6X7MM_.2EL	C101	5857	4700U 160V 20%CAP RAD 40X63MM 5PIN	D54	6438	1N4007 1000V 1A0 DIODE T&R	R30	4743	W250 681R 0.1% *** T&R RES
C22	5953	_3U3 250VDC10% CAP BLKRAD POLYPFLM	C102	6435	_22N 275V 20%CAP BLK X2 15MM AC	D55	6438	1N4007 1000V 1A0 DIODE T&R	R31	4776	W250 113K 1% T&R RES
C23	5216	100N 200V 5%CAP T&R RAD .2CER	C103	5258	_4L7 63V 20%CAP T&R 5X7MM_.2EL	D56	6438	1N4007 1000V 1A0 DIODE T&R	R32	6136	W250 3K3 5%MINI T&R RES
C24	5212	100N 63V 5%CAP T&R RAD .2FLM	C104	5870	4700U 160V 20%CAP RAD 40X63MM 5PIN	D57	6438	1N4007 1000V 1A0 DIODE T&R	R33	4890	W250 30K 5% T&R RES
C25	5256	_1U 63V 5%CAP T&R RAD .2FLM	C105	5621	4700U 63V 20%CAP BLK 12X25MM EL	D58	6438	1N4007 1000V 1A0 DIODE T&R	R34	4774	W250 4K12 1% T&R RES
C26	5212	100N 63V 5%CAP T&R RAD .2FLM	C106	5266	680N 250V 20%CAP BLK X2 27MM AC	D59	6438	1N4007 1000V 1A0 DIODE T&R	R35	4979	W250 15K 5%MINI T&R RES
C27	5256	_1U 63V 20%CAP T&R RAD .2FLM	C107	5212	100N 63V 5%CAP T&R RAD .2FLM	D60	6438	1N4007 1000V 1A0 DIODE T&R	R36	6120	W250 100K 5%MINI T&R RES
C28	5954	_1U 63V 20%CAP T&R 4X7MM_.2EL	C108	2305	_1U 400V 10%CAP BLK RAD POLY FLM	F2	3414	INTERNATIONAL PC MOUNT FUSEHOLDER	R37	2019	W125 10R0 1%FLAME PROOF T&R RES
C29	5212	100N 63V 5%CAP T&R RAD .2FLM	C109	5212	100N 63V 5%CAP T&R RAD .2FLM	F3	3414	INTERNATIONAL PC MOUNT FUSEHOLDER	R38	2039	W250 22R0 FUSIBLE T&R RES
C30	216	100N 200V 5%CAP T&R RAD .2CER	C110	5258	_40T 63V 20%CAP T&R 5X7MM_.2EL	H1	3692	HEATSINK TC-220 W/O TAB BLK ANODIZE	R39	4857	W250 22R 5% T&R RES
C31	5953	_3U3 250VDC10% CAP BLKRAD POLYPFLM	C111	5621	4700U 63V 20%CAP BLK 12X25MM EL	H2	3692	HEATSINK TC-220 W/O TAB BLK ANODIZE	R40	6116	W250 10K 1%MINI MF T&R RES
C32	5200	_10P 200V 5%CAP T&R RAD CER.ZNPO	C112	5260	_22U 50V 20%CAP T&R RAD .2EL	J1	4100	XLR MALE PCB MT VERT	R41	4949	W250 180K 5%.2INU T&R RES
C33	5212	100N 63V 5%CAP T&R RAD .2FLM	C113	5857	4700U 160V 20%CAP RAD 40X63MM 5PIN	J2	4010	XLR FEMI PCB MT VERT 24MM AA-SERIES	R42	4743	W250 681R 0.1% *** T&R RES
C34	5212	100N 63V 5%CAP T&R RAD .2FLM	C114	2305	_1U 400V 10%CAP BLK RAD POLY FLM	J3	4063	1/4IN ISO JCK PCMT V STER RT SWT	R43	4949	W250 180K 5%.2INU T&R RES
C35	5254	_1U 63V 20%CAP T&R 4X7MM_.2EL	C115	5203	_47P 100V 5%CAP T&R RAD CER.ZNPO	J5	4010	XLR FEMI PCB MT VERT 24MM AA-SERIES	R44	2037	W250 10R FUSIBLE T&R RES
C36	5212	100N 63V 5%CAP T&R RAD .2FLM	C116	5212	100N 63V 5%CAP T&R RAD .2FLM	J7	4063	1/4IN ISO JCK PCMT V STER RT SWT	R45	4660	5W00 0R047 5% BLK RES
C37	5212	100N 63V 5%CAP T&R RAD .2FLM	C117	5857	4700U 160V 20%CAP RAD 40X63MM 5PIN	K1	3722	RELAY 1A 30AMP DC24 036MA PC-C	R46	4682	W250 1R 5%PHILIPS SMA& T&R RES
C38	5242	100N 250V 20%CAP BLK X2 15MM AC	C118	5203	_47P 100V 2%CAP T&R RAD CER.ZNPO	L1	6497	_304UH CHOKE 9518AW/77111MAGNTKS	R47	4948	W250 1M 5%.2INU T&R RES
C39	5310	_68N 50V 5%CAP T&R BEAD X7R	C119	5258	_40T 63V 20%CAP T&R 5X7MM_.2EL	L2	6497	_304UH CHOKE 9518AW/77111MAGNTKS	R48	4751	1/4W 22M 5% T&R RES
C40	5229	150N 63V 10%CAP T&R RAD .2FLM	C120	5422	_1N 50V 10%CAP T&R BEAD NPO	L5	6500	2700UH COIL COMMON MODE 7AMP	R49	4979	W250 15K 5%MINI T&R RES
C41	5606	150N 63V 10%CAP T&R RAD .2FLM	C121	6451	_4N7 250V 20%CAP BLK 'Y' 10MM AC	L6	3817	1.5MH COIL INPUT COM MODE	R50	2039	W250 22R0 FUSIBLE T&R RES
C42	5216	100N 200V 5%CAP T&R RAD .2CER	C122	6451	_4N7 250V 20%CAP BLK 'Y' 10MM AC	L7	3818	EMI SUPPRESSION Ferrite Bead T&R	R51	2039	W250 22R0 FUSIBLE T&R RES
C43	5216	100N 200V 5%CAP T&R RAD .2CER	C123	5260	_22U 50V 20%CAP T&R RAD .2EL	L8	3818	EMI SUPPRESSION Ferrite Bead T&R	R52	4948	W250 1M 5%.2INU T&R RES
C44	5953	_3U3 250VDC10% CAP BLKRAD POLYPFLM	C124	5212	100N 63V 5%CAP T&R RAD .2FLM	L10	3899	18UJ MINI INDUCTOR Hi-Q T&R	R53	4911	W250 2R 5% T&R RES
C45	5216	100N 200V 5%CAP T&R RAD .2CER	C125	5212	100N 63V 5%CAP T&R RAD .2FLM	L11	3899	18UJ MINI INDUCTOR Hi-Q T&R	R54	2037	W250 10R FUSIBLE T&R RES
C46	5212	100N 63V 5%CAP T&R RAD .2FLM	C126	5212	100N 63V 5%CAP T&R RAD .2FLM	L12	3899	18UJ MINI INDUCTOR Hi-Q T&R	R55	4979	W250 15K 5%MINI T&R RES
C47	5212	100N 63V 5%CAP T&R RAD .2FLM	C127	5212	100N 63V 5%CAP T&R RAD .2FLM	L13	6408	GRN 3MM LED 2V 2/20MA DIFFUSED	R56	4841	W250 220K 5% T&R RES
C48	5212	100N 63V 5%CAP T&R RAD .2FLM	C128	5606	100N 63V 5%CAP T&R RAD .2FLM	L2	6400	YEL 3MM LED 2V 2/20MA DIFFUSED	R57	4948	W250 1M 5%.2INU T&R RES
C49	5234	100N 63V 10%CAP T&R RAD .2FLM	C129	5212	100N 63V 5%CAP T&R RAD .2FLM	L3	6405	RED 3MM LED 2V 2/20MA DIFFUSED	R58	6489	5R 20% THERM SURGR NTC KNK LEADS
C50	5233	330N 63V 5%CAP T&R RAD .2FLM	C130	5212	100N 63V 5%CAP T&R RAD .2FLM	P1	2398	_10K B LIN 12MM DUAL 21D TDET	R59	4983	W250 10K 5%MINI T&R RES
C51	5234	470N 63V 10%CAP T&R RAD .2FLM	C131	5212	100N 63V 5%CAP T&R RAD .2FLM	P2	2340	_20K 15C R/A 12MM DUAL 21DET P34	R60	4660	5W00 0R047 5% BLK RES
C52	5880	100U 35V 20%CAP T&R 6X1MM_.2EL	C132	5953	_303 250VDC10% CAP BLKRAD POLYPFLM	P3	2339	_10K B LIN 12MM DUAL 21DET P34	R61	4746	2W00 3R 5% T&R RES
C53	5212	100N 63V 5%CAP T&R RAD .2FLM	C133	5606	_303 250VDC10% CAP BLKRAD POLYPFLM	PCB	M1375BLANK_2_OZ 2SD 183.1 SGIN 01PER LS2100P	R62	4983	W250 10K 5%MINI T&R RES	
C54	5212	100N 63V 5%CAP T&R RAD .2FLM	C134	5205	_15N 100V 10%CAP T&R RAD .2FLM	Q1	5108	ZNS401 TO92 PNP TRAN T&R TA	R63	2051	W250 1K5 FUSIBLE T&R RES
C55	5212	100N 63V 5%CAP T&R RAD .2FLM	C135	5258	_40T 63V 20%CAP T&R 5X7MM_.2EL	Q2	5103	MPSA06 TO92 NPN TRAN T&R TA	R64	4814	W250 3K6 5% T&R RES
C56	5212	100N 63V 5%CAP T&R RAD .2FLM	C136	5240	680N 63V 10%CAP T&R RAD .2FLM	Q3	5105	MPSA13 TO92 NPN DRL T&R TA	R65	2037	W250 10R FUSIBLE T&R RES
C57	5212	100N 63V 5%CAP T&R RAD .2FLM	C137	5161	100N 200V 5%CAP T&R RAD .2CER	Q4	5107	ZNS551 TO92 NPN TRAN T&R TA	R66	2037	W250 10R FUSIBLE T&R RES
C58	5212	100N 63V 5%CAP T&R RAD .2FLM	C138	5216	100N 200V 5%CAP T&R RAD .2CER	Q5	5107	ZNS551 TO92 NPN TRAN T&R TA	R67	4814	W250 3K6 5% T&R RES
C59	5212	100N 63V 5%CAP T&R RAD .2FLM	C139	5216	100N 200V 5%CAP T&R RAD .2CER	Q6	5105	MPSA13 TO92 NPN DRL T&R TA	R68	4844	W250 1M 5%.2INU T&R RES
C60	5212	100N 63V 5%CAP T&R RAD .2FLM	C140	5216	100N 200V 5%CAP T&R RAD .2CER	Q7	5108	ZNS5401 TO92 PNP TRAN T&R TA	R69	4709	5W00 22R 5% BLK RES
C61	5212	100N 63V 5%CAP T&R RAD .2FLM	C141	6772	BRIDGE 25A 400V 2WIRE LEAD SIP	Q8	5108	ZNS5401 TO92 PNP TRAN T&R TA	R70	2051	W250 1K5 FUSIBLE T&R RES
C62	5212	100N 63V 5%CAP T&R RAD .2FLM	C142	6825	1N4148 75V 0A45 DIODE T&R	Q9	6774	BD139 TO126 PNP TRAN T&G	R71	6116	W250 10K 1%MINI MF T&R RES
C63	5212	100N 63V 5%CAP T&R RAD .2FLM	C143	6825	1N4148 75V 0A45 DIODE T&R	Q10	5101	BC550C TO92 NPN TRAN T&R TA	R72	5028	W250 3K7 1% T&R RES
C64	5201	470P 100V 5%CAP T&R RAD CER.ZNPO	C144	6825	1N4148 75V 0A45 DIODE T&R	Q11	5105	MPSA13 TO92 NPN DRL T&R TA	R73	4805	W250 2K8 1% T&R RES
C65	5196	150P 100V 2%CAP T&R RAD CER.ZNPO	C145	6825	1N4148 75V 0A45 DIODE T&R	Q12	2307	IRGP35860PD/PBF T0247 NPN IGBT TM	R74	2051	W250 1K5 FUSIBLE T&R RES
C66	5212	100N 63V 5%CAP T&R RAD .2FLM	C146	6825	1N4148 75V 0A45 DIODE T&R	Q13	2307	IRGP35860PD/PBF T0247 NPN IGBT TM	R75	4821	W250 40K 5% T&R RES
C67	5212										

REF	YS #	Description	REF	YS #	Description	REF	YS #	Description
R90	4832	W250 22K 5% T&R RES	R170	2010	W167 10R0 2%FLAME PROOF T&R RES	ZD1	6432	1N5248B 18V0 0W5 ZENER 5% T&R
R91	4832	W250 22K 5% T&R RES	R171	6136	W250 3K3 5%MINI T&R RES	ZD2	6432	1N5248B 18V0 0W5 ZENER 5% T&R
R92	6119	W250 47K 5%MINI T&R RES	R172	6136	W250 3K3 5%MINI T&R RES	ZD3	2308	1N4753A-T 36V0 1W0 ZENER 5% T&R
R93	6119	W250 47K 5%MINI T&R RES	R173	6136	W250 3K3 5%MINI T&R RES	ZD4	6432	1N5248B 18V0 0W5 ZENER 5% T&R
R94	6119	W250 47K 5%MINI T&R RES	R174	4585	W250 1K2 5%MINI T&R RES	ZD5	6432	1N5248B 18V0 0W5 ZENER 5% T&R
R95	4828	W250 6K8 5% T&R RES	R175	4832	W250 22K 5% T&R RES	ZD6	6432	1N5248B 18V0 0W5 ZENER 5% T&R
R96	4831	W250 18K 5% T&R RES	R176	4832	W250 22K 5% T&R RES	ZD7	6432	1N5248B 18V0 0W5 ZENER 5% T&R
R97	4856	W250 12K 5% T&R RES	R177	4827	W250 4K7 5% T&R RES	ZD8	6432	1N5248B 18V0 0W5 ZENER 5% T&R
R98	4774	W250 4K12 1% T&R RES	R178	2010	W167 10R0 2%FLAME PROOF T&R RES	ZD9	6432	1N5248B 18V0 0W5 ZENER 5% T&R
R99	4748	2W00 3R9 5% T&R RES	R179	2010	W167 10R0 2%FLAME PROOF T&R RES	ZD10	2308	1N4753A-T 36V0 1W0 ZENER 5% T&R
R100	4748	2W00 3R9 5% T&R RES	R180	5016	1W00 9K760 0.5% *** T&R RES	ZD11	6486	1N5244B 14V0 0W5 ZENER 5% T&R
R101	2010	W167 10R0 2%FLAME PROOF T&R RES	R181	5016	1W00 9K760 0.5% *** T&R RES	ZD12	6450	1N5242B 12V0 0W5 ZENER 5% T&R
R102	2010	W167 10R0 2%FLAME PROOF T&R RES	R182	4703	2W00 2R 5% T&R RES	ZD13	6475	1N5262B 51V0 0W5 ZENER 5% T&R
R103	4768	5W00 12K 5% BLK RES	R183	4703	2W00 2R 5% T&R RES	ZD14	6440	1N750ARL 4V7 0W5 ZENER 5% T&R
R104	4768	5W00 12K 5% BLK RES	R184	4703	2W00 2R 5% T&R RES			
R105	4982	W250 4K7 5%MINI T&R RES	R185	6119	W250 47K 5%MINI T&R RES			
R106	4911	W250 2R2 5% T&R RES	R186	4703	2W00 2R 5% T&R RES			
R107	4784	W250 17K40 0.1% *** T&R RES	R187	4844	W250 1M 5% T&R RES			
R108	4844	W250 1M 5% T&R RES	R188	4703	2W00 2R 5% T&R RES			
R109	4817	W250 47R 5% T&R RES	R189	4703	2W00 2R 5% T&R RES			
R110	4714	W250 2K21 1% T&R RES	R190	4703	2W00 2R 5% T&R RES			
R111	4982	W250 4K7 5%MINI T&R RES	R191	6467	_10K 10% THERMISTOR TO-92 NTC			
R112	4982	W250 4K7 5%MINI T&R RES	R192	2037	W250 10R FUSIBLE T&R RES			
R113	4988	W250 1K5 5%MINI T&R RES	R193	2037	W250 10R FUSIBLE T&R RES			
R114	6129	W250 27K 5%MINI T&R RES	R195	2039	W250 22R0 FUSIBLE T&R RES			
R115	4942	W250 100K 5%.2INU T&R RES	R196	4639	W250 4K99 1% T&R RES			
R116	4864	W250 2K7 5% T&R RES	R197	4748	2W00 3R9 5% T&R RES			
R117	5016	1W00 9K760 0.5% *** T&R RES	R198	4844	W250 1M 5% T&R RES			
R118	4714	W250 2K21 1% T&R RES	R199	4844	W250 1M 5% T&R RES			
R119	6135	W250 270K 5%MINI T&R RES	R200	4857	W250 220R 5% T&R RES			
R120	6122	W250 33K 5%MINI T&R RES	R201	4714	W250 2K21 1% T&R RES			
R121	4983	W250 10K 5%MINI T&R RES	R202	5005	2W00 1K8 5% T&R RES			
R122	4845	W250 2M2 5% T&R RES	R203	4714	W250 2K21 1% T&R RES			
R123	4981	W250 1K 5%MINI T&R RES	R204	3899	_18UH MINI INDUCTOR HI-Q T&R			
R124	2010	W167 10R0 2%FLAME PROOF T&R RES	U1	6882	TL072CP IC FET DUAL OP AMP			
R125	2010	W167 10R0 2%FLAME PROOF T&R RES	U4	6882	TL072CP IC FET DUAL OP AMP			
R126	4983	W250 10K 5%MINI T&R RES	U5	6884	NE5532N IC DUAL OP AMP			
R127	4983	W250 10K 5%MINI T&R RES	U6	6882	TL072CP IC FET DUAL OP AMP			
R128	4844	W250 1M 5% T&R RES	U7	6882	TL072CP IC FET DUAL OP AMP			
R129	6119	W250 47K 5%MINI T&R RES	U8	6840	MC33078P IC DUAL OP AMP			
R130	4864	W250 2K7 5% T&R RES	U9	6542	LM318 IC OP AMP			
R131	4936	W250 2K7 5%.2INU T&R RES	U10	6640	LM311 IC VOLTAGE COMPARATOR DIP8			
R132	2051	W250 1K5 FUSIBLE T&R RES	U11	6856	NJM7815FA TO220 P 15V0 REG IS V1			
R133	2051	W250 1K5 FUSIBLE T&R RES	U12	2318	LM6172IN 8PIN DIP FAST DUAL OPAMP			
R134	2051	W250 1K5 FUSIBLE T&R RES	U13	6586	IRS21844PBF IC HILO FET DRIVER			
R135	2319	2W00 33R 5% MIN FUSIBLE T&R RES	U14	6586	IRS21844PBF IC HILO FET DRIVER			
R136	2319	2W00 33R 5% MIN FUSIBLE T&R RES	U15	6745	LM13600N IC XCONDUCTANCE AMP			
R137	4682	W500 1R 5%PHILIPS SMAL T&R RES	U17	6840	MC33078P IC DUAL OP AMP			
R138	4911	W250 2R2 5% T&R RES	U18	6882	TL072CP IC FET DUAL OP AMP			
R139	4827	W250 4K7 5% T&R RES	U19	6882	TL072CP IC FET DUAL OP AMP			
R140	4948	W250 1M 5%.2INU T&R RES	U20	6603	74HC14N IC HEX INV SCHMID			
R141	4827	W250 4K7 5% T&R RES	U21	6640	LM311 IC VOLTAGE COMPARATOR DIP8			
R142	4983	W250 10K 5%MINI T&R RES	U22	6856	NJM7815FA TO220 P 15V0 REG IS V1			
R143	4832	W250 22K 5% T&R RES	U23	6745	LM13600N IC XCONDUCTANCE AMP			
R144	4832	W250 22K 5% T&R RES	U24	6840	MC33078P IC DUAL OP AMP			
R145	4981	W250 1K 5%MINI T&R RES	U25	6882	TL072CP IC FET DUAL OP AMP			
R146	4841	W250 220K 5% T&R RES	U26	6603	74HC14N IC HEX INV SCHMID			
R147	6122	W250 33K 5%MINI T&R RES	U27	6882	TL072CP IC FET DUAL OP AMP			
R148	4940	W250 10K 5%.2INU T&R RES	U29	6728	MC78L05ACP TO92 P 5V0 REG T&R V4			
R149	4842	W250 330K 5% T&R RES	U30	6856	NJM7815FA TO220 P 15V0 REG IS V1			
R150	4832	W250 22K 5% T&R RES	U31	6857	NJM7915FA TO220 N 15V0 REG IS V2			
R151	6120	W250 100K 5%MINI T&R RES	U32	2306	FOD816 4PINPAC INPUT OPTOCOUPLER			
R152	4857	W250 220R 5% T&R RES	U40	6882	TL072CP IC FET DUAL OP AMP			
R153	4809	W250 10M 5% T&R RES	W1	2328	8 CIR XH-HEADER 0.098IN			
R154	6116	W250 10K0 1%MINI MF T&R RES	W3	3538	24 PIN BREAKAWAY LOCK .156			
R155	6116	W250 10K0 1%MINI MF T&R RES	W5	4146	3 PIN POWER PIN HEADER MALE POLZED			
R156	6116	W250 10K0 1%MINI MF T&R RES	W6	4145	9PIN 3X3 POWER PIN HEADER			
R157	6116	W250 10K0 1%MINI MF T&R RES	W8	2328	8 CIR XH-HEADER 0.098IN			
R158	6116	W250 10K0 1%MINI MF T&R RES	W10	3538	24 PIN BREAKAWAY LOCK .156			
R159	4844	W250 1M 5% T&R RES	W12	4147	6 PIN POWER PIN HEADER MALE POLZED			
R160	4585	W250 1K2 5%MINI T&R RES	W14	3538	24 PIN BREAKAWAY LOCK .156			
R161	4703	2W00 2R 5% T&R RES	W16	4056	2 CIR XH-HEADER 0.098IN			
R162	4748	2W00 3R9 5% T&R RES	W29	3583	.8 CIR WAFER W/LCK 0.1"			
R163	4748	2W00 3R9 5% T&R RES	W33	4147	6 PIN POWER PIN HEADER MALE POLZED			
R164	4935	W250 1K5 5%.2INU T&R RES	W34	4147	6 PIN POWER PIN HEADER MALE POLZED			
R165	5016	1W00 9K760 0.5% *** T&R RES	X2	5299	24AWG SOLID SC WIR RAD JMP			
R166	4939	W250 5K1 5%.2INU T&R RES	X3	5299	24AWG SOLID SC WIR RAD JMP			
R167	4940	W250 10K 5%.2INU T&R RES	X8	6543	48R 265V RESETTABLE THERMISTOR PTC			
R168	6116	W250 10K0 1%MINI MF T&R RES	XC1	3745	DUAL XSISTOR PBL SPRING CLEAR ZINC			
R169	2010	W167 10R0 2%FLAME PROOF T&R RES	XC2	3745	DUAL XSISTOR PBL SPRING CLEAR ZINC			

M1696-04 Parts Reference List 8/30/2021

REF	YS #	Description	REF	YS #	Description	REF	YS #	Description
AI-ASS	1696-59	ES12P/ES15P/ES18P INPUT/DSP PCB	P5	2339	_10K B LIN 12MM DUAL 21DET P34	ZD2		MM3Z18VT1G 18V0 0W2 5% SMT ZEN
C1		_1U 25V 20%CAP 1206 SMT X7R	PCB1	1696BLANK	_1_OZ 2SD 83.9SQIN 03PER ES18/15P			
C2	100N	16V 10%CAP 0603 SMT X7R	R1		W125 47R 5% 0805 SMT RES			
C3		_1U 25V 20%CAP 1206 SMT X7R	R2		W100 3K74 1% 0805 SMT RES			
C4	100N	16V 10%CAP 0603 SMT X7R	R3		W125 1K21 1% 0805 SMT RES			
C5		_1U 25V 20%CAP 1206 SMT X7R	R4		W125 37K4 1% 0805 SMT RES			
C6	5669	470U 6V3 20%CAP RAD EL T&R	R5		W125 22K1 1% 0805 SMT RES			
C7	5945	_10U 63V 20%CAP T&R RAD .2EL	R6		W125 10K00 0.1% 0805 SMT RES			
C8	5945	_10U 63V 20%CAP T&R RAD .2EL	R7		W100 499R 1% 0805 SMT RES			
C9	5233	330N 63V 5%CAP T&R RAD .2FLM	R8		W100 499R 1% 0805 SMT RES			
C10	5233	330N 63V 5%CAP T&R RAD .2FLM	R9		W100 499R 1% 0805 SMT RES			
C11	5212	100N 100V 5%CAP T&R RAD .2FLM	R10		W125 1K5 5% 0805 SMT RES			
C12	100N	50V 5%CAP 0805 SMT X7R	R11		W125 470R 5% 0805 SMT RES			
C13		100N 50V 5%CAP 0805 SMT X7R	R12		W125 10K00 0.1% 0805 SMT RES			
C14	100N	50V 5%CAP 0805 SMT X7R	R13		W100 200R 1% 0805 SMT RES			
C15		100N 50V 5%CAP 0805 SMT X7R	R14		W125 47R 5% 0805 SMT RES			
C16	5212	100N 100V 5%CAP T&R RAD .2FLM	R15		W250 0R27 5% 1206 SMT RES			
C17		_10U 16V 10%CAP 1206 SMT X7R	R16		W100 2K0 1% 0805 SMT RES			
C18		10U 16V 20%CAP 0805 SMT X5R	R17		W100 2K0 1% 0805 SMT RES			
C19	100N	50V 5%CAP 0805 SMT X7R	R18		W100 100R 1% 0805 SMT RES			
C20	100N	50V 5%CAP 0805 SMT X7R	R19		W063 49R9 1% 0603 SMT RES			
C21		100N 50V 5%CAP 0805 SMT X7R	R20		W125 47R 5% 0805 SMT RES			
C22		_1U 25V 20%CAP 1206 SMT X7R	R21		W125 1K800 0.1% 0805 SMT RES			
C23	100N	50V 5%CAP 0805 SMT X7R	R22		W125 47K 5% 0805 SMT RES			
C24		_1U 25V 20%CAP 1206 SMT X7R	R23		W125 47K 5% 0805 SMT RES			
C25	100N	50V 5%CAP 0805 SMT X7R	R24		W125 10K00 0.1% 0805 SMT RES			
C26		_1U 25V 20%CAP 1206 SMT X7R	R25		W125 10K00 0.1% 0805 SMT RES			
C27		1U 25V 20%CAP 1206 SMT X7R	R27		W100 499R 1% 0805 SMT RES			
C28	100N	50V 5%CAP 0805 SMT X7R	R28		W100 10K0 1% 0805 SMT RES			
C29		100N 50V 5%CAP 0805 SMT X7R	R30		W100 2K32 1% 0805 SMT RES			
C30	100N	50V 5%CAP 0805 SMT X7R	R31		W125 10K00 0.1% 0805 SMT RES			
C32	470P	50V 5%CAP 0603 SMT NPO	R32		W125 10K00 0.1% 0805 SMT RES			
C33	470P	250V 5%CAP 0603 SMT NPO	R33		W100 100R 1% 0805 SMT RES			
C34	100N	50V 5%CAP 0805 SMT X7R	R35		W125 249R0 1% 0805 SMT RES			
C35		_1U 25V 20%CAP 1206 SMT X7R	R37		W100 100R 1% 0805 SMT RES			
C36		1U 25V 20%CAP 1206 SMT X7R	R38		W100 100R 1% 0805 SMT RES			
C37	470P	250V 5%CAP 0603 SMT NPO	R40		W125 0R 5% 0805 SMT RES			
C38	100N	50V 5%CAP 0805 SMT X7R	R42		W125 1K800 0.1% 0805 SMT RES			
C39	100N	50V 5%CAP 0805 SMT X7R	R44		W125 4K7 5% 0805 SMT RES			
C41	5212	100N 100V 5%CAP T&R RAD .2FLM	R45		W125 47R 5% 0805 SMT RES			
C42	5212	100N 100V 5%CAP T&R RAD .2FLM	R46		W100 2K0 1% 0805 SMT RES			
C43	20P	100V 5%CAP 0805 SMT NPO	R47		W125 4K02 0.1% 0805 SMT RES			
C44	20P	100V 5%CAP 0805 SMT NPO	R48		W125 750R 1% 0805 SMT RES			
C45	20P	100V 5%CAP 0805 SMT NPO	R49		W125 750R 1% 0805 SMT RES			
C46		_1U 25V 20%CAP 1206 SMT X7R	R51		W125 47R 5% 0805 SMT RES			
C47	100N	50V 5%CAP 0805 SMT X7R	R52		W125 560R 5% 0805 SMT RES			
C48		10U 16V 10%CAP 1206 SMT X7R	R53		W100 2K0 1% 0805 SMT RES			
C55	100U	25V 20%CAP 8X5.4 SMT ELE	R54		W125 4K02 0.1% 0805 SMT RES			
C134	100N	50V 5%CAP 0805 SMT X7R	R55		W125 560R 5% 0805 SMT RES			
C135	100N	50V 5%CAP 0805 SMT X7R	R56		W100 200R 1% 0805 SMT RES			
D1	B160-E3	60V 1A0 SCH DO214AC SMT	R57		W125 187K 0.1% 0805 SMT RES			
D2	CDFSF4148	75V 0A15 1005 SMT	R58		W125 187K 0.1% 0805 SMT RES			
D3	CDFSF4148	75V 0A15 1005 SMT	R107		W125 22K1 1% 0805 SMT RES			
D10	CDFSF4148	75V 0A15 1005 SMT	R117		W125 31K6 0.1% 0805 SMT RES			
D11	CDFSF4148	75V 0A15 1005 SMT	R164		W125 1K5 5% 0805 SMT RES			
D39	CDFSF4148	75V 0A15 1005 SMT	R165		W125 31K6 0.1% 0805 SMT RES			
D40	CDFSF4148	75V 0A15 1005 SMT	R176		W125 3K32 1% 0805 SMT RES			
J1	4140	XLR MALE PCB MT VERT 24MM A-SERIES	R177		W125 100K 5% 0805 SMT RES			
J2	4010	XLR FEML PCB MT VERT 24MM AA-SERIES	R180		W125 31K6 0.1% 0805 SMT RES			
J3	4063	1/4IN ISO JCK PCMT VT STER RT SWT	R181		W125 31K6 0.1% 0805 SMT RES			
J5	4010	XLR FEML PCB MT VERT 24MM AA-SERIES	S1	4202	SP3T NONSHORTING VERT ROT SWT 3POS			
J7	4063	1/4IN ISO JCK PCMT VT STER RT SWT	S2	3439	DPDT MINI PC VERT MOMENTARY			
L1	FERRITE BEAD	600R @100MHZ 0805 SMT	S3	3522	DPDT MINI PC VERT SNP ALT			
L2		15.0UH COIL 0805 SMT	S4	4221	SP7T NONSHORTING VERT ROT SWT 7POS			
L3		220UH COIL 10X10MM SMT	SNL1	8370	1 MIL POLYIMIDE LABEL, 1" X .380"			
L6		8.2UH COIL 1210 SMT	U1		PROC4 BLE MODULE 14X19MM SMT			
L7		8.2UH COIL 1210 SMT	U2		MC33063AADR BUCK/BOOST INV IC SO8			
L10		15.0UH COIL 0805 SMT	U3		AK4558 32BIT CODEC SMT QFN28			
L11		15.0UH COIL 0805 SMT	U4		MK10DN512VLK10 100MHZ MCU IC LQFP80			
L12		15.0UH COIL 0805 SMT	U5	7012	LP2950-33 LDRP TO92 FIXED 3V3 REG			
L25		15.0UH COIL 0805 SMT	U6	7012	LP2950-33 LDRP TO92 FIXED 3V3 REG			
LD1A	GRN	LED 2V8 20MA 1206 SMT	U7		TL072 DUAL OPAMP SMT SO-8			
LD2A	YEL	LED 1V7 20MA 1206 SMT	U8		TL072 DUAL OPAMP SMT SO-8			
LD3A	RED	LED 1V5 20MA 1206 SMT	U9		TL072 DUAL OPAMP SMT SO-8			
LD4A	YEL	LED 1V7 20MA 1206 SMT	U10		AT25010B EEPROM 1K SMT IC SO8			
LD5A	BLU	LED 2V8 20MA 1206 SMT	U11		10 CIR DUAL ROW HDR 0.05 SPC SMT			
LD6A	GRN	LED 2V8 20MA 1206 SMT	U2	2328	8 CIR XH-HEADER 0.098IN			
P1	4526	10K TRIM POT 6MM TOP ADJ RAD	W3		10 CIR DUAL ROW HDR 0.05 SPC SMT			
P2	4526	10K TRIM POT 6MM TOP ADJ RAD	X1	6543	48R 265V RESETTABLE THERMISTOR PTC			
P3	4526	10K TRIM POT 6MM TOP ADJ RAD	ZD1		MM3Z18VT1G 18V0 0W2 5% SMT ZEN			

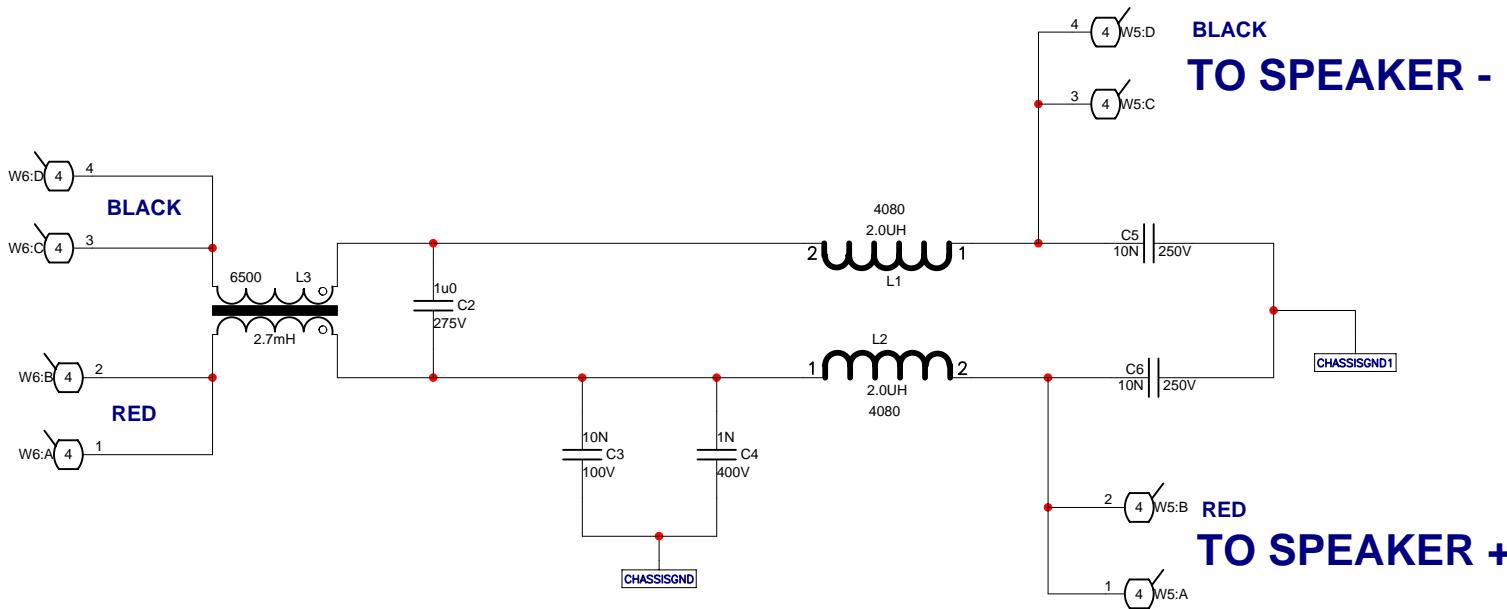
M1822 Parts Reference List 3/9/2020

REF	YS #	Description	REF	YS #	Description	REF	YS #	Description
AI-SUB	M1822-3	ES21P AMP/SUPPLY PCB	F1		FUSE FAST 0A5 250VDC 350AC SMT 3912	R241	1W00 2R0 1%	2512 SMT RES
C203	100N 50V 5%CAP	0805 SMT X7R	F2		FUSE FAST 0A5 250VDC 350AC SMT 3912	R242	5W00 0R02 1%	OARS SMT RES
C204	100N 50V 5%CAP	0805 SMT X7R	F301		FUSE SLOW 7A 125V SMT 6125	R247	W125 4K7 5%	0805 SMT RES
C205	100N 50V 5%CAP	0805 SMT X7R	F302		FUSE SLOW 7A 125V SMT 6125	R248	1W00 2R0 1%	2512 SMT RES
C206	100N 50V 5%CAP	0805 SMT X7R	HS1	4181	TO220 THERMO PAD CERAMIC .080 THK	R249	W250 10R 5%	1206 SMT RES
C207	100N 50V 5%CAP	0805 SMT X7R	HS2	4181	TO220 THERMO PAD CERAMIC .080 THK	R250	W250 10R 5%	1206 SMT RES
C209	100N 50V 5%CAP	0805 SMT X7R	HS3	ZC1611	ES PSA SERIES HEATSPREADER	R251	W125 4K7 5%	0805 SMT RES
C210	100N 50V 5%CAP	0805 SMT X7R	HW1	8871	4-40X5/8 PAN PHILIPS MS BLACK ZINC	R252	W100 1M0 1%	0805 SMT RES
C211	100N 50V 5%CAP	0805 SMT X7R	HW2	8902	4-40X3/4 PAN PHILIPS MS TBZ	R255	W125 82K5 1%	0805 SMT RES
C213	680P 50V 5%CAP	0805 SMT COG	HW4	8485	#6 SPLIT WASHER ZINC	R256	W125 82K5 1%	0805 SMT RES
C214	470N 50V 5%CAP	1206 SMT X7R	HW5	3501	#4 B52200F006 COMP WASH SMALL	R257	W125 4K7 5%	0805 SMT RES
C215	1U 50V 20%CAP	4.3X3.9 SMT ELC	HW6	8742	4-40X3/8 PAN PH TAPITTE BO&W	R258	W100 20K5 1%	0805 SMT RES
C216	_1N 50V 5%CAP	0805 SMT NPO	HW7	8835	6-32X1/2 PAN QUAD MS TIN PLATE	R259	W100 182K 1%	0805 SMT RES
C217	470P 50V 5%CAP	0603 SMT NPO	HW8	8800	6-32 KEPS NUT ZINC	R260	470K 5% THERMISTOR NTC 0805 SMT	
C218	_1N 50V 5%CAP	0805 SMT NPO	HW9	8871	4-40X5/8 PAN PHILIPS MS BLACK ZINC	R261	W100 274K 1%	0805 SMT RES
C219	5972	680N 400V 5%CAP BLK RAD POLY FLM	HW10	8902	4-40X3/4 PAN PHILIPS MS TBZ	R262	W100 274K 1%	0805 SMT RES
C220	220N 50V 10%CAP	1206 SMT X7R	HW11	8837	6-32 X 1/2 PAN PHILIP MS TBZ	R263	W100 13K 1%	0805 SMT RES
C221	100N 100V 10%CAP	1206 SMT X7R	HW12	8800	6-32 KEPS NUT ZINC	R264	W125 1K4 1%	0805 SMT RES
C222	_10U 600VDC 5%CAP BLK MPOLYP FLM		HW13	8701	4-40 KEPS NUT ZINC	R265	W250 330R 5%	1206 SMT RES
C223	5962	2U2 140AC10%CAP BLK RAD POLYP FLM	HW14	8701	4-40 KEPS NUT ZINC	R266	1W00 100K 5%	2512 SMT RES
C224	_1U 50V 20%CAP	4.3X3.9 SMT ELC	HW15	8701	4-40 KEPS NUT ZINC	R267	1W00 100K 5%	2512 SMT RES
C225	470P 50V 5%CAP	0603 SMT NPO	HW16	8701	4-40 KEPS NUT ZINC	R268	W125 4K02 0.1%	0805 SMT RES
C226	_47N 100V 10%CAP	1206 SMT X7R	HW17	8485	#6 SPLIT WASHER ZINC	R303	10W0 25K 5%	BLK RES
C227	100N 50V 5%CAP	0805 SMT X7R	HW18	8921	ALUM FLAT WASHER,.128"ID,.272" OD	R304	10W0 25K 5%	BLK RES
C228	5972	680N 400V 5%CAP BLK RAD POLY FLM	HW19	3501	#4 B52200F006 COMP WASH SMALL	SNL1	8372	1 MIL POLYIMIDE LABEL,.375" X .375"
C229	5225	470P 1600V 20%CAP POLYPROP BULK	HW20	8921	ALUM FLAT WASHER,.128"ID,.272" OD	U200	LTV-814S ACINPUT OPTOCOUPLER SMT	
C230	_47P 50V 5%CAP	0805 SMT NPO	HW21	8921	ALUM FLAT WASHER,.128"ID,.272" OD	U201	LM311 COMPARATOR IC SMT SO-8	
C231	100N 50V 5%CAP	0805 SMT X7R	HW22	8921	ALUM FLAT WASHER,.128"ID,.272" OD	U202	LM311 COMPARATOR IC SMT SO-8	
C232	_33U 25V 20%CAP	6.3X5.5 SMT EL	L200	6699	453UH CHOKE 91T14.5AWG/79912CORE	U203	IRS21844SPBF IC HILO FET DRVR SO14	
C233	100N 50V 5%CAP	0805 SMT X7R	L202		1000UH 10% COIL 12MM SMT	U204	33078 DUAL OPAMP SMT SO-8	
C234	100N 50V 5%CAP	0805 SMT X7R	L300	3817	1.5MH COIL INPUT COM MODE	U205	33078 DUAL OPAMP SMT SO-8	
C235	10U 16V 10%CAP	1206 SMT X7R	L301	3128	15UH COIL VTM160-4 22T 16AWG	U206	TL331 COMPARATOR IC SMT SOT235	
C236	100N 50V 5%CAP	0805 SMT X7R	L401		486UH COIL COMMON MODE 8A SMT	U207	LNK302G OFFLINE SWITCH SMT SMD8B	
C237	1U 25V 20%CAP	1206 SMT X7R	PCB1	M1822B	2_OZ 2SD 89.81SQIN 1PER ES21P SUB	U302	6856 NJM7815FA TO220 P 15V0 REG IS V1	
C238	_4U7 50V 10%CAP	1210 SMT CER	Q200		MMBTA92 PNP SOT-23 SMT	U303	NJM7915FA TO220 N 15V0 REG IS V2	
C239	5270	2U2 250V 20%CAP BLK RAD .1EL	Q201		MMBF4391LT1NCH JFT SOT-23 SMT T&R	W201	2328 8 CIR XH-HEADER 0.098IN	
C241	_4U7 50V 10%CAP	1210 SMT CER	Q203	2496	IRGP50B60PD1PBF T0247 NPN IGBT T	W301	4243 6 POS HEADER ASSY (MALE) PCB MOUNT	
C242	10U 16V 10%CAP	1206 SMT X7R	Q204		MMBTA92 PNP SOT-23 SMT	W302	4244 2 POS HEADER ASSY (MALE) PCB MOUNT	
C301	100N 100V 10%CAP	1206 SMT X7R	Q205	2496	IRGP50B60PD1PBF T0247 NPN IGBT T	W304	4146 3 PIN POWER PIN HEADER MALE POLZED	
C302	5242	100N 250V 20%CAP BLK 'X2' 15MM AC	R3		W125 1K54 1% 0805 SMT RES	W306	4243 6 POS HEADER ASSY (MALE) PCB MOUNT	
C303	5887	2200U 50V 20%CAP BLK 18X27MM EL	R4		W125 1K54 1% 0805 SMT RES	W307	4151 4 PIN POWER PIN HEADER MALE POLZED	
C304	_4U7 25V 20%CAP	4X5.5 SMT ELC	R5		W125 1K54 1% 0805 SMT RES	W402	4215 4 PIN POWER VH MALE .156 10A	
C305	5266	680N 250V 20%CAP BLK 'X2' 27MM AC	R6		W125 1K54 1% 0805 SMT RES	ZD200	MM3Z18VT1G 18V0 0W2 5% SMT ZEN	
C306	100N 100V 10%CAP	1206 SMT X7R	R7		W100 2K32 1% 0805 SMT RES			
C307	5887	2200U 50V 20%CAP BLK 18X27MM EL	R8		W100 2K32 1% 0805 SMT RES			
C308	_4U7 25V 20%CAP	4X5.5 SMT ELC	R9		W100 1K0 1% 0805 SMT RES			
C309	6451	_4N7 250V 20%CAP BLK 'Y' 10MM AC	R200		W250 10R 5% 1206 SMT RES			
C311	5934	2700U 250V 20%CAP BLK 40X60MM .4PS	R201		W100 12K1 1% 0603 SMT RES			
C312	5934	2700U 250V 20%CAP BLK 40X60MM .4PS	R202		W250 10R 5% 1206 SMT RES			
C313	5934	2700U 250V 20%CAP BLK 40X60MM .4PS	R203		W100 10K0 1% 0805 SMT RES			
C314	5934	2700U 250V 20%CAP BLK 40X60MM .4PS	R204		W100 12K1 1% 0603 SMT RES			
C315	5827	150N 250V 20%CAP BLK 'X2' 15MM AC	R206		W100 100K 5% 2512 SMT RES			
C316	5242	100N 250V 20%CAP BLK 'X2' 15MM AC	R207		W100 1K0 1% 0805 SMT RES			
C401	150P 1000V 5%CAP	1206 SMT COG	R208		W125 4M7 5% 0805 SMT RES			
C402	150P 1000V 5%CAP	1206 SMT COG	R209		W100 100K 5% 2512 SMT RES			
D1	3SMAJ5932B 20V 3W0	DO214AC SMT ZEN	R210		W100 6K98 1% 0805 SMT RES			
D2	3SMAJ5932B 20V 3W0	DO214AC SMT ZEN	R212		W100 10K0 1% 0805 SMT RES			
D200	CDSF4148 75V 0A15 1005 SMT		R213		W100 182K 1% 0805 SMT RES			
D201	BZX84C22 22V0 0W3 5% SMT ZEN		R214		W125 4K7 5% 0805 SMT RES			
D203	BAT750 SOT-23 SMT SCHOTKY		R215		W125 47K5 1% 0805 SMT RES			
D204	ES1J 600V 1A0 DO214AC SMT SMA		R218		W125 8K66 1% 0805 SMT RES			
D205	ES1J 600V 1A0 DO214AC SMT SMA		R219		W100 475R 1% 0805 SMT RES			
D206	BAT750 SOT-23 SMT SCHOTKY		R221		W100 475R 1% 0805 SMT RES			
D207	CDSF4148 75V 0A15 1005 SMT		R222		W100 10K0 1% 0805 SMT RES			
D208	ES1J 600V 1A0 DO214AC SMT SMA		R223		W100 6K98 1% 0805 SMT RES			
D209	BZX84C43 43V0 0W3 5% SMT ZEN		R224		W125 47R 5% 0805 SMT RES			
D210	MURA240T3 400V 2A DIO 403D SMT		R225		W250 10R 5% 1206 SMT RES			
D211	MURA240T3 400V 2A DIO 403D SMT		R226		W100 15K0 1% 0805 SMT RES			
D212	ES1J 600V 1A0 DO214AC SMT SMA		R227		W100 1M0 1% 0805 SMT RES			
D213	BZX84C15LT1 15V0 0W225 ZEN SOT23		R228		W250 10R 5% 1206 SMT RES			
D214	CDSF4148 75V 0A15 1005 SMT		R229		W125 1K54 1% 0805 SMT RES			
D300	6852 BRIDGE 45A 600V WIRE LEAD SIP		R230		W125 4K02 0.1% 0805 SMT RES			
D301	ES1J 600V 1A0 DO214AC SMT SMA		R231		W100 1K0 1% 0805 SMT RES			
D302	MURS120T3 200V 1A DIO D0214AA SMT		R232		W100 1K0 1% 0805 SMT RES			
D304	ES1J 600V 1A0 DO214AC SMT SMA		R233		W125 1K54 1% 0805 SMT RES			
D305	MURS120T3 200V 1A DIO D0214AA SMT		R234		W100 182K 1% 0805 SMT RES			
D306	MURS120T3 200V 1A DIO D0214AA SMT		R236		W100 6K98 1% 0805 SMT RES			
D307	MURS120T3 200V 1A DIO D0214AA SMT		R237		W100 1R0 5% 2512 SMT RES			
D308	SMAZ18-13-F 18V0 1W0 5% SMT ZEN		R238		W100 100R 1% 0805 SMT RES			
D309	SMAZ18-13-F 18V0 1W0 5% SMT ZEN		R240		W100 475R 1% 0805 SMT RES			

M2128-01 Parts Reference List 3/14/2022

REF	YS #	Description	REF	YS #	Description	REF	YS #	Description	REF	YS #	Description	REF	YS #	Description				
A1-SUB	M2128-59	ES21P AMP/SUPPLY PCB	D309		SMAZ18-13-F 18V0 1W0 5% SMT ZEN	R241		1W00 2R0 1%	2512	SMT RES								
BLANK	M2128BLANK	2 OZ 2SD 89.81SQIN 1PER ES21P SUB	F1		FUSE FAST 0A5 250VDC 350AC SMT 3912	R242		5W00 0R02 1%	OARS	SMT RES								
C203	100N 50V 5%CAP	0805 SMT X7R	F2		FUSE FAST 0A5 250VDC 350AC SMT 3912	R247		W125 4K7 5%	0805	SMT RES								
C204	100N 50V 5%CAP	0805 SMT X7R	F301		FUSE SLOW 7A 126V _U SMT 6125	R248		W100 2R0 1%	2512	SMT RES								
C205	100N 50V 5%CAP	0805 SMT X7R	F302		FUSE SLOW 7A 125V _U SMT 6125	R249		W250 10R 5%	1206	SMT RES								
C206	100N 50V 5%CAP	0805 SMT X7R	HS1	4181	T0220 THERMO PAD CERAMIC .080 THK	R250		W250 10R 5%	1206	SMT RES								
C207	100N 50V 5%CAP	0805 SMT X7R	HS2	4181	T0220 THERMO PAD CERAMIC .080 THK	R251		W125 4K7 5%	0805	SMT RES								
C209	100N 50V 5%CAP	0805 SMT X7R	HS3	ZC1611	ES PSA SERIES HEATSPEAKER	R252		W100 1M0 1%	0805	SMT RES								
C210	100N 50V 5%CAP	0805 SMT X7R	HW1	8871	4-40X8/ PAN PHILIPS MS BLACK ZINC	R255		W125 82K5 1%	0805	SMT RES								
C211	100N 50V 5%CAP	0805 SMT X7R	HW2	8902	4-40X3/4 PAN PHILIPS MS TBZ	R256		W125 82K5 1%	0805	SMT RES								
C213	680P 50V 5%CAP	0805 SMT COG	HW4	8485	#6 SPLIT WASHER ZINC	R257		W125 4K7 5%	0805	SMT RES								
C214	470N 50V 5%CAP	1206 SMT X7R	HW5	3501	COMPRESSION WASHER	R258		W100 20K5 1%	0805	SMT RES								
C215	1U 50V 20%CAP	4.3X3.9 SMT ELC	HW6	8742	4-40X8/ PAN PH TAPITIE BO&W	R259		W100 182K 1%	0805	SMT RES								
C216	1N 50V 5%CAP	0805 SMT NPO	HW7	8835	6-32X1/2 PAN QUAD MS TIN PLATE	R260		470K 5% THERMISTOR NTC 0805 SMT										
C217	470P 50V 5%CAP	0603 SMT NPO	HW8	8800	6-32 KEPS NUT ZINC	R261		W100 274K 1%	0805	SMT RES								
C218	1N 50V 5%CAP	0805 SMT NPO	HW9	8871	4-40X8/ PAN PHILIPS MS BLACK ZINC	R262		W100 274K 1%	0805	SMT RES								
C219	5972	680N 400V 5%CAP BLK RAD POLY FLM	HW10	8902	4-40X3/4 PAN PHILIPS MS TBZ	R263		W100 13K 1%	0805	SMT RES								
C220	220N 50V 10%CAP	1206 SMT X7R	HW11	8837	6-32 X 1/2 PAN PHILIPS MS TBZ	R264		W125 1K4 1%	0805	SMT RES								
C221	100N 100V 10%CAP	1206 SMT X7R	HW12	8800	6-32 KEPS NUT ZINC	R265		W250 330R 5%	1206	SMT RES								
C222	5986	10U 500VDC 5%CAP BLK MPOLYPROP BULK	HW13	8701	4-40 KEPS NUT ZINC	R266		W100 100K 5%	2512	SMT RES								
C223	5962	2U2 140AC10%CAP BLK RAD POLYP FLM	HW14	8701	4-40 KEPS NUT ZINC	R267		W100 100K 5%	2512	SMT RES								
C224	1U 50V 20%CAP	4.3X3.9 SMT ELC	HW15	8701	4-40 KEPS NUT ZINC	R268		W125 4K02 0.1%	0805	SMT RES								
C225	470P 50V 5%CAP	0603 SMT NPO	HW16	8701	4-40 KEPS NUT ZINC	R303		6664	10W0 25K 5%	BLK	RES							
C226	47N 100V 10%CAP	1206 SMT X7R	HW17	8485	#6 SPLIT WASHER ZINC	R304		6664	10W0 25K 5%	BLK	RES							
C227	100N 50V 5%CAP	0805 SMT X7R	HW18	8921	ALUM FLAT WASHER .128"ID .272" OD	SNL1	8372	1 MIL POLYIMIDE LABEL .375" X .375"										
C228	5972	680N 400V 5%CAP BLK RAD POLY FLM	HW19	3501	COMPRESSION WASHER	U200		LTV-8141S ACINPUT OPTOCOUPLER SMT										
C229	5225	470P 1600V 20%CAP POLYPROP BULK	HW20	8921	ALUM FLAT WASHER .128"ID .272" OD	U201		LM311 COMPARATOR IC SMT SO-8										
C230	47P 50V 5%CAP	0805 SMT NPO	HW21	8921	ALUM FLAT WASHER .128"ID .272" OD	U202		LM311 COMPARATOR IC SMT SO-8										
C231	100N 50V 5%CAP	0805 SMT X7R	HW22	8921	ALUM FLAT WASHER .128"ID .272" OD	U203		6589	IRS2184 8PDIP HILO FET DRIVER									
C232	33U 25V 20%CAP	6.3X5.5 SMT EL	L200	6699	453UH CHOKE 91T14.5AWG/7.9912CORE	L204		33078	DUAL OPAMP	SMT	SO-8							
C233	100N 50V 5%CAP	0805 SMT X7R	L202		1000UH 10% COIL 12MM SMT	L205		33078	DUAL OPAMP	SMT	SO-8							
C234	100N 50V 5%CAP	0805 SMT X7R	L300	3817	1.5MH COIL INPUT COM MODE	L206		TL331	COMPARATOR IC SMT SOT235									
C235	10U 16V 10%CAP	1206 SMT X7R	L301	3128	.15UH COIL VTM160-4-22T 16AWG	L207		LNK302G OFFLINE SWITCH SMT SMD8B										
C236	100N 50V 5%CAP	0805 SMT X7R	L401		486UH COIL COMMON MODE 8A SMT	L302		NJM7815FA	TQ220 P 15V0 REG IS V1									
C237	1U 25V 20%CAP	1206 SMT X7R	Q200		MMBTAA92 PNP SOT-23 SMT	L303		6857	NJM7915FA	TQ220 N 15V0 REG IS V2								
C238	4U7 50V 10%CAP	1210 SMT CER	Q201		MMBF4391LT1 NCH JFET SOT-23 SMT T8R	W201		2328	8 CIR XH-HEADER 0.098IN									
C239	3U9 250V 20%CAP	BX10 SMT ELE	Q203	2321	IKW75N65EH5 T0247 NPN 75A IGBT3	W301		4243	6 POS HEADER ASSY (MALE) PCB MOUNT									
C241	4U7 50V 10%CAP	1210 SMT CER	Q204		MMBTAA92 PNP SOT-23 SMT	W302		4244	2 POS HEADER ASSY (MALE) PCB MOUNT									
C242	10U 16V 10%CAP	1206 SMT X7R	Q205	2321	IKW75N65EH5 T0247 NPN 75A IGBT3	W304		4146	3 PIN POWER PIN HEADER MALE POLZED									
C301	100N 100V 10%CAP	1206 SMT X7R	R3		W125 1K54 1%	W305		6 POS HEADER ASSY (MALE) PCB MOUNT										
C302	5242	100N 250V 20%CAP BLK X2' 15MM AC	R4		W125 1K54 1%	W306		4243	6 POS HEADER ASSY (MALE) PCB MOUNT									
C303	5887	2200U 50V 20%CAP BLK 18X27MM EL	R5		W125 1K54 1%	W307		4151	4 PIN POWER PIN HEADER MALE POLZED									
C304		4U7 25V 20%CAP	R6		W125 1K54 1%	W308		4215	CONN HEADER STRAIGHT PIN 4POS 0.156									
C305	5266	680N 250V 20%CAP BLK X2' 27MM AC	R7		W100 2K32 1%	W309		MM318V1T1G 18V0 0W2 5% SMT ZEN										
C306		100N 100V 10%CAP	R8		W100 2K32 1%	W310												
C307	5887	220U 50V 20%CAP BLK 18X27MM EL	R9		W100 1K0 1%	W311												
C308		4U7 25V 20%CAP	R10		W250 10R 5%	W312												
C309	6451	4N7 250V 20%CAP BLK 'Y' 10MM AC	R201		W100 12K1 1%	W313												
C311	5934	2700U 250V 20%CAP BLK 40X60MM 4PS	R202		W250 10R 5%	W314												
C312	5934	2700U 250V 20%CAP BLK 40X60MM 4PS	R203		W100 10K0 1%	W315												
C313	5934	2700U 250V 20%CAP BLK 40X60MM 4PS	R204		W100 12K1 1%	W316												
C314	5934	2700U 250V 20%CAP BLK 40X60MM 4PS	R206		W100 100K 5%	W317												
C315	5827	150U 250V 20%CAP BLK X2' 15MM AC	R207		W100 1K0 1%	W318												
C316	5242	100N 250V 20%CAP BLK X2' 15MM AC	R208		W125 4M7 5%	W319												
C401	150P 1000V 5%CAP	1206 SMT COG	R209		W100 100K 5%	W320												
C402	150P 1000V 5%CAP	1206 SMT COG	R210		W100 6K98 1%	W321												
D1	3SMAJ5932B	20V 3W1 DO214AC SMT ZEN	R212		W100 10K0 1%	W322												
D2	3SMAJ5932B	20V 3W1 DO214AC SMT ZEN	R213		W100 18K2 1%	W323												
D200	CDFSF4148	75V 0A15 1005 SMT	R214		W125 4K7 5%	W324												
D201	BZX84C22	22V0 0W3.5% SMT ZEN	R215		W125 47K5 1%	W325												
D203	BAT750	SOT-23 SMT SCHOTTKY	R218		W125 8K66 1%	W326												
D204	ES1J	600V 1A0 DO214AC SMT SMA	R219		W100 475R 1%	W327												
D205	ES1J	600V 1A0 DO214AC SMT SMA	R221		W100 475R 1%	W328												
D206	BAT750	SOT-23 SMT SCHOTTKY	R222		W100 10K0 1%	W329												
D207	CDFSF4148	75V 0A15 1005 SMT	R223		W100 6K98 1%	W330												
D208	ES1J	600V 1A0 DO214AC SMT SMA	R224		W125 47R 5%	W331												
D209	BZX84C43	43V0 0W3.5% SMT ZEN	R225		W250 10R 5%	W332												
D210	MURA240T3	400V 2A DIO 403D SMT	R226		W100 15K0 1%	W333												
D211	MURA240T3	400V 2A DIO 403D SMT	R227		W100 1M0 1%	W334												
D212	ES1J	600V 1A0 DO214AC SMT SMA	R228		W250 10R 5%	W335												
D213	BZX84C15L1	15V0 0W225 ZEN SOT23	R229		W125 1K54 1%	W336												
D214	CDFSF4148	75V 0A15 1005 SMT	R230		W125 4K02 0.1%	W337												
D300	6852	BRIDGE 45A 600V WIRE LEAD SIR	R231		W100 1K0 1%	W338												
D301	ES1J	600V 1A0 DO214AC SMT SMA	R232		W100 1K0 1%	W339												
D302	MURS120T3	200V 1A DIO DO214AA SMT	R233		W125 1K54 1%	W340												
D304	ES1J	600V 1A0 DO214AC SMT SMA	R234		W100 182K 1%	W341												
D305	MURS120T3	200V 1A DIO DO214AA SMT	R236		W100 6K98 1%	W342												
D306	MURS120T3	200V 1A DIO DO214AA SMT	R237		W100 1R0 5%	W343												
D307	MURS120T3	200V 1A DIO DO214AA SMT	R238		W100 100R 1%	W344												
D308	SMAZ18-13-F 18V0 1W0 5% SMT ZEN	R240			W100 475													

FROM AMP



M1373PCB_DATABASE_HISTORY

MODEL(S):- CROW BAR

#	DATE	VER#	DESCRIPTION OF CHANGE
1	07-JAN-2009	1.00	FIRST DESIGN
2	14DEC09	2.00	PC#7925 CHANGE L4, L5 FROM YS#3769 TO YS#4080
3	09-FEB-2010	3.00	PC7993: Reduce panel to 3x5 boards
4	D	V	N
5	D	V	N
6	D	V	N
7	D	V	N
8	D	V	N
9	D	V	N
10	D	V	N
11	D	V	N
12	D	V	N
13	D	V	N



Product **CROW BAR/FILTER**

Sheet1	PCB# M1373	Sheet 1 of 1
Date: Wed Nov 10, 2010	Rev: V03	YsType: YsType
Filename: M1373V300sch.sch2002		

J

K

L

M

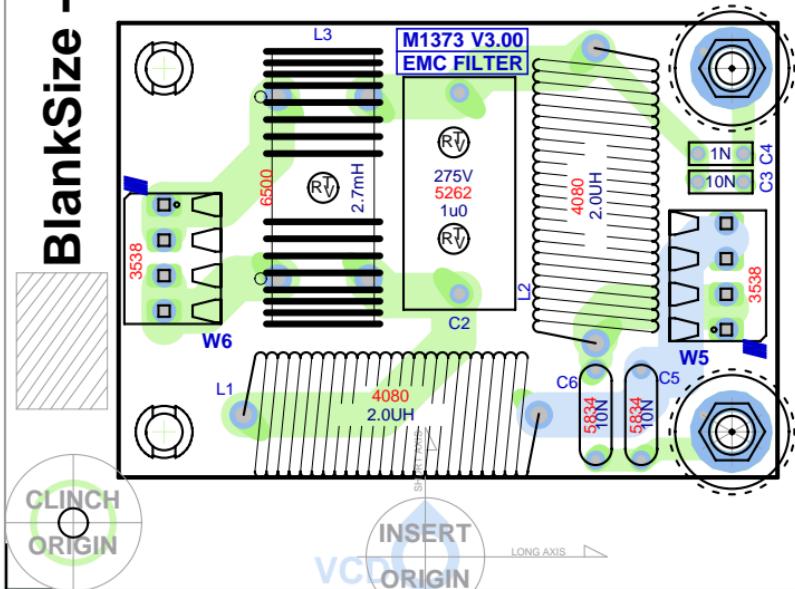
N

O

P

Q

BlankSize - 15500x7000



2ozCopper

M1373 V3.00

SEE LAYOUT DOCUMENTATION



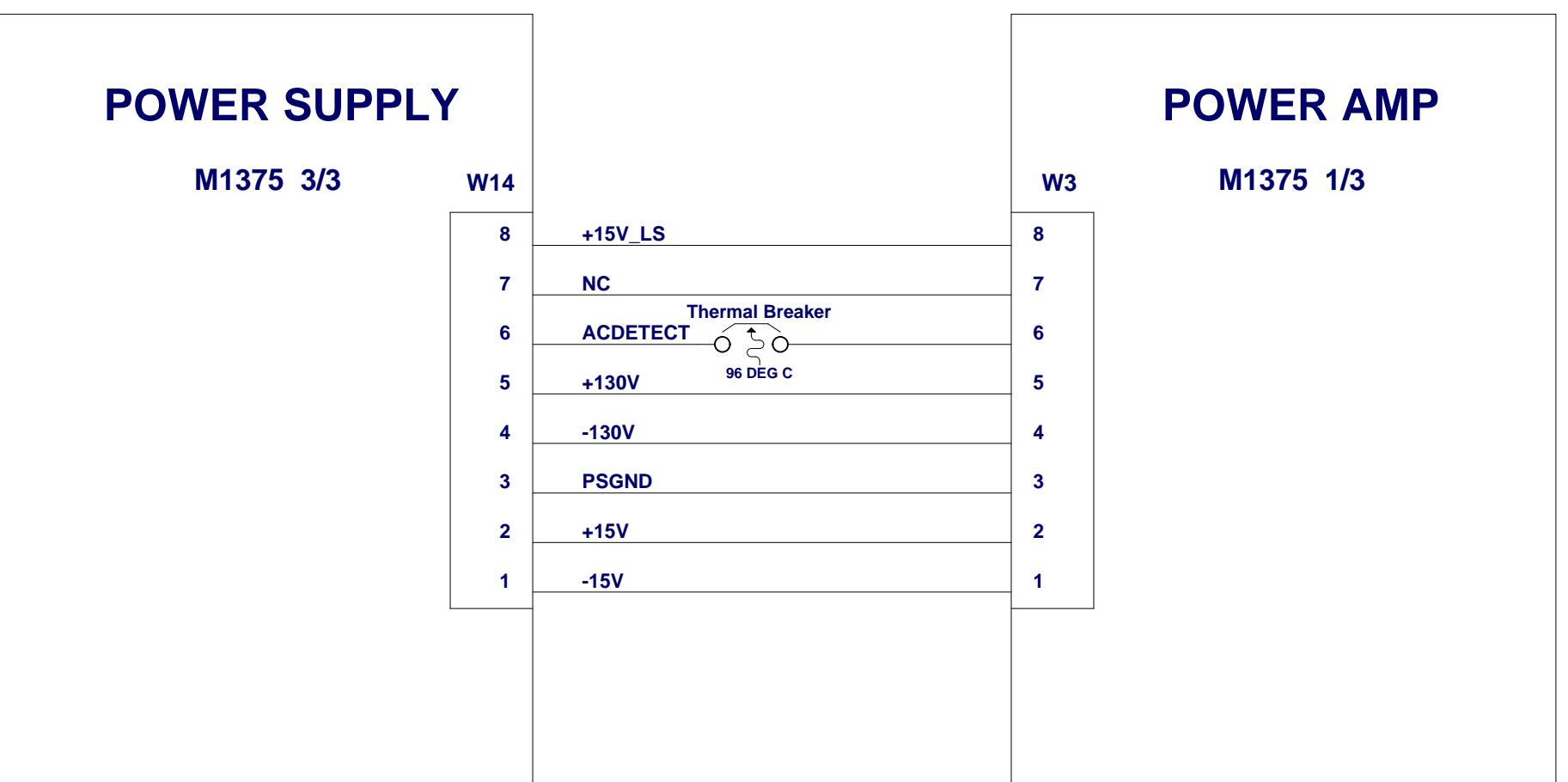
SEE LAYOUT DIAGRAM

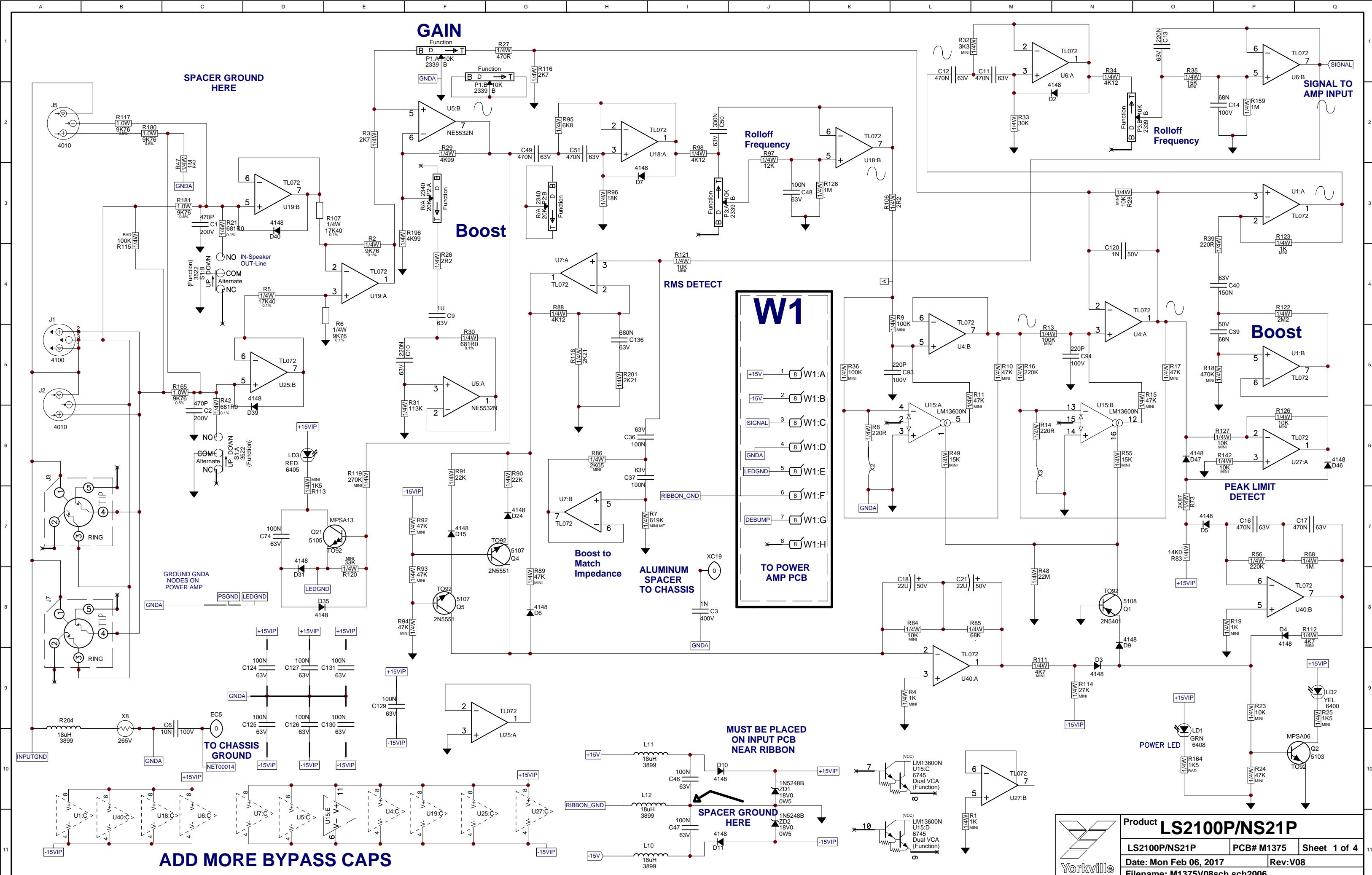


M1373PCB_DATABASE_HISTORY			
MODEL(S):-		CROW BAR	
#	DATE	VER#	DESCRIPTION OF CHANGE
1	07-JAN-2009	1.00	FIRST DESIGN
2	14DEC09	2.00	PC#7925 CHANGE L4, L5 FROM YS#3769 TO YS#4080
3	09-FEB-2010	3.00	PC7993: Reduce panel to 3x5 boards
4	D	V	N
5	D	V	N
6	D	V	N
7	D	V	N
8	D	V	N
9	D	V	N
10	D	V	N
11	D	V	N
12	D	V	N
13	D	V	N

M1373 V3.00

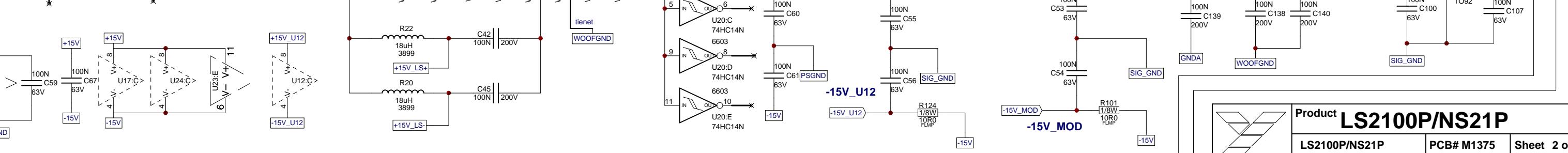
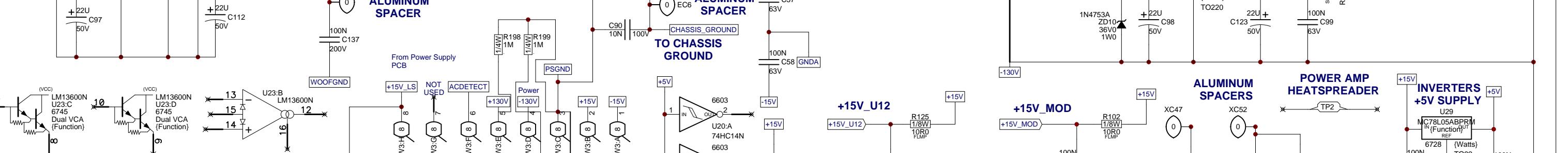
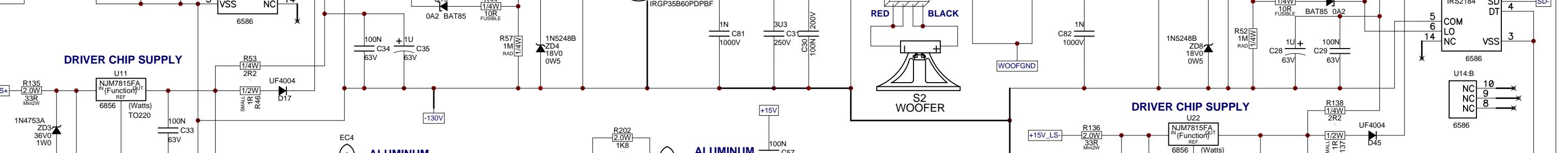
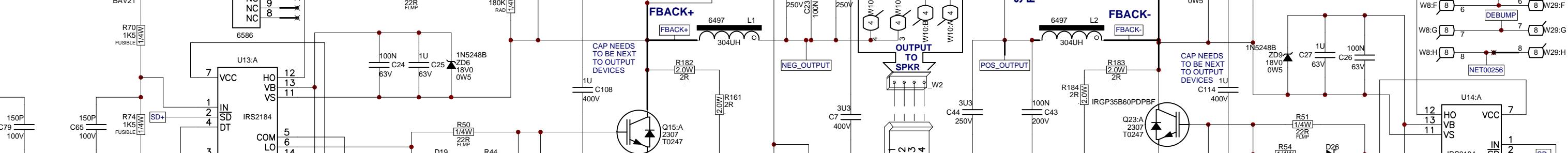
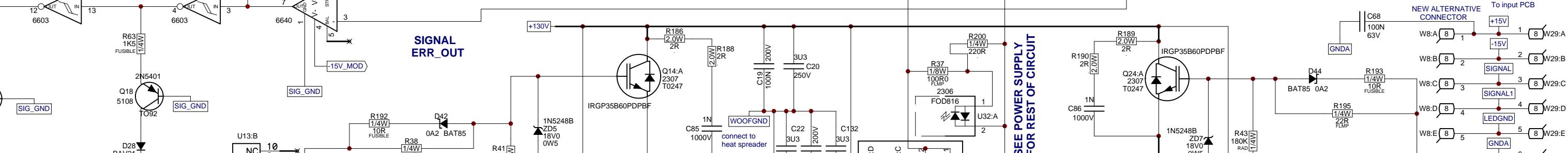
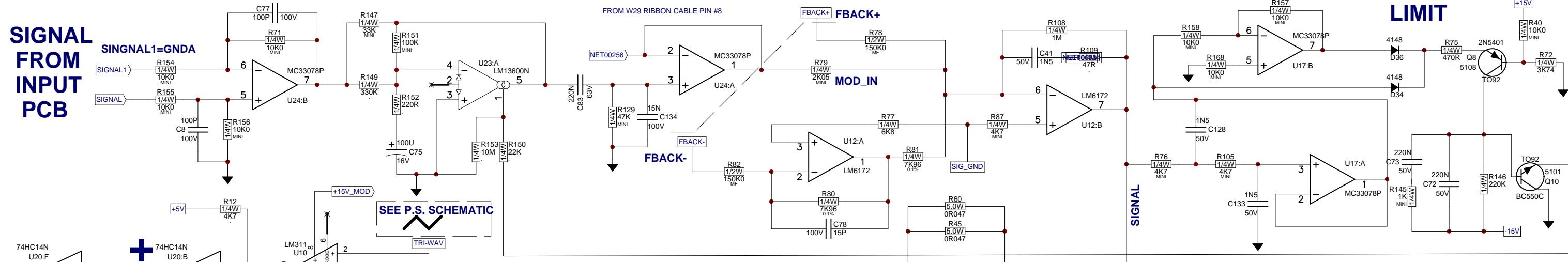
PRODUCTION NOTES





WOOFER AMP

SIGNAL FROM INPUT PCB



LIMIT

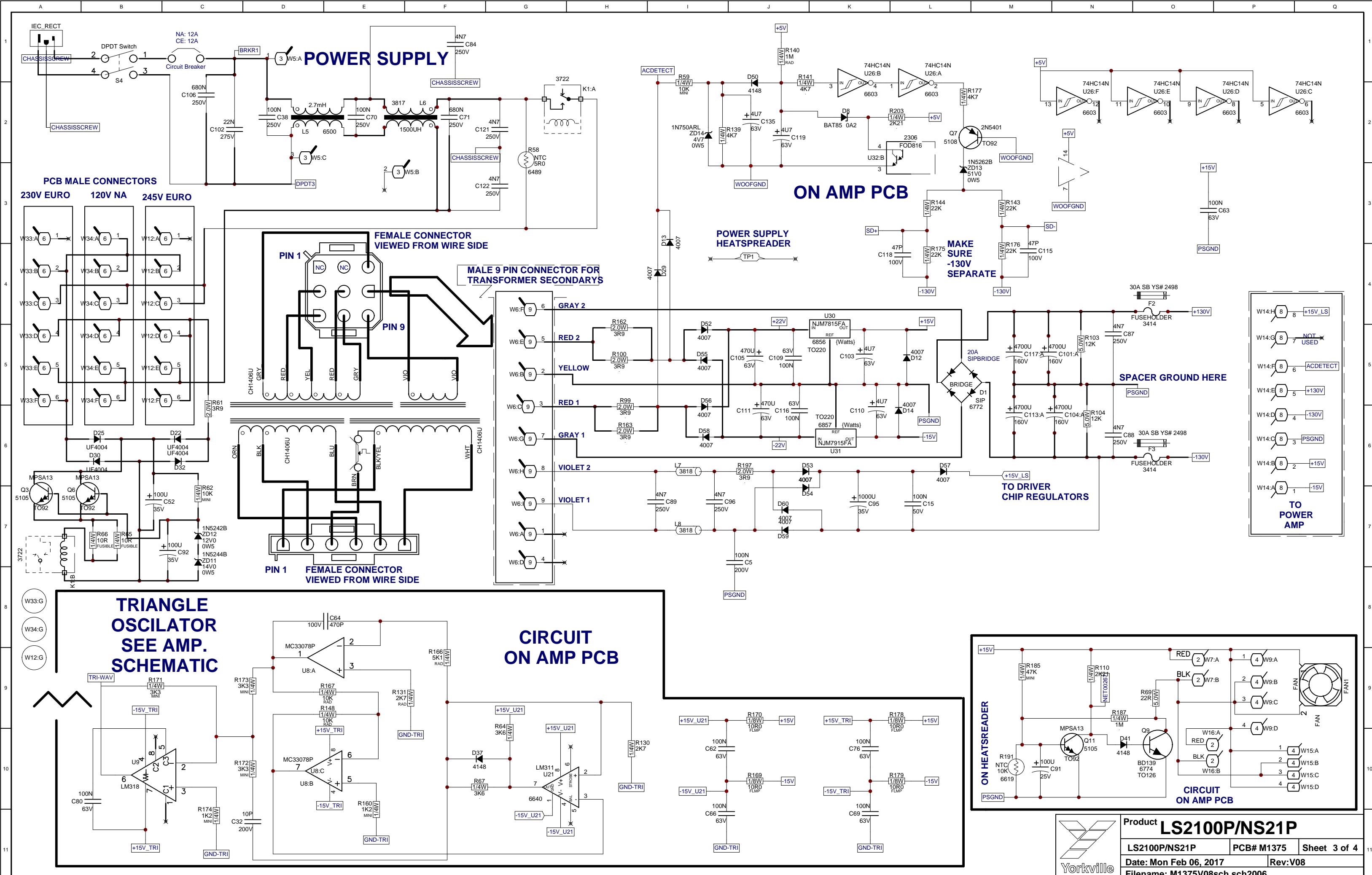
Product LS2100P/NS21P

LS2100P/NS21P PCB # M1375 Sheet 2 of 4

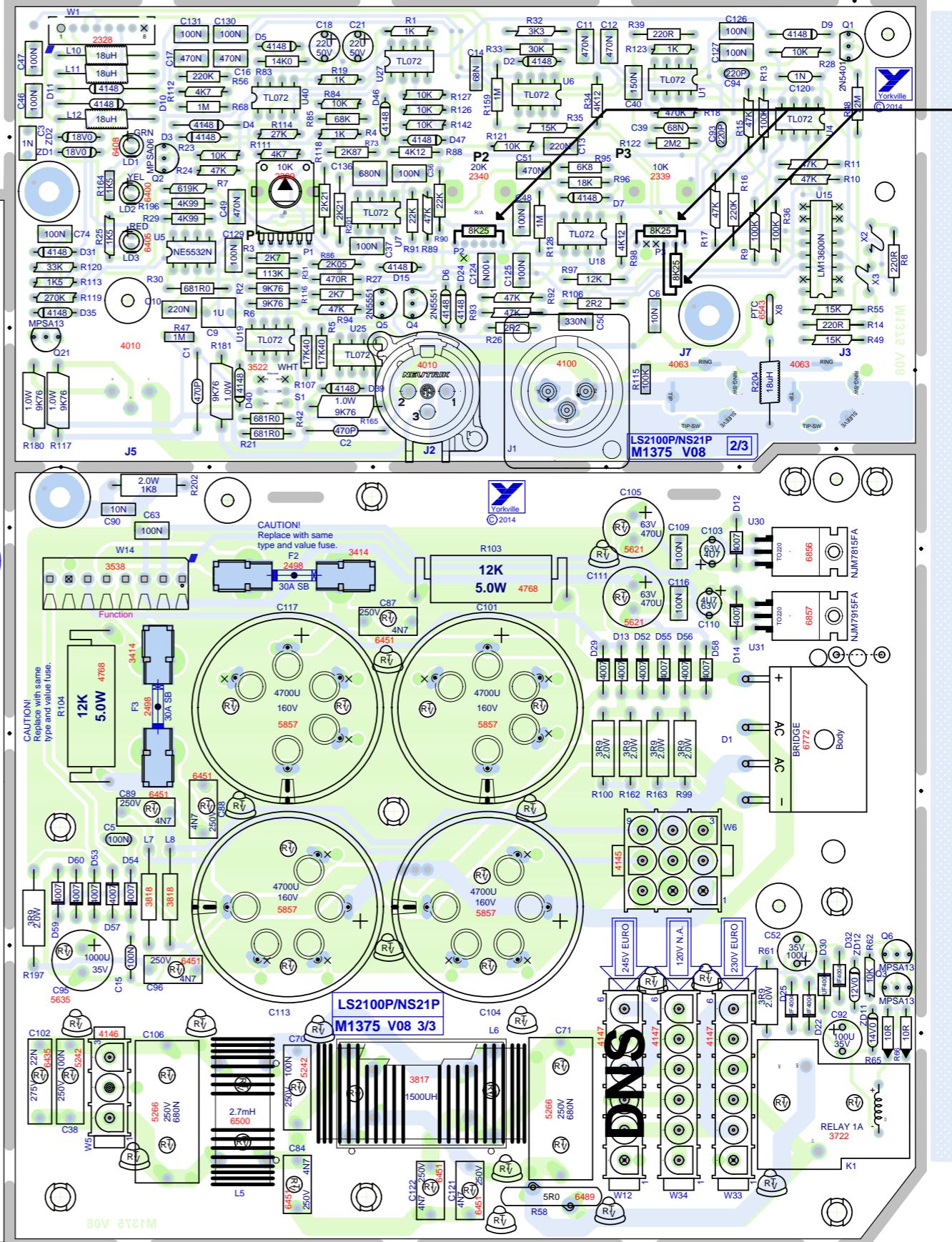
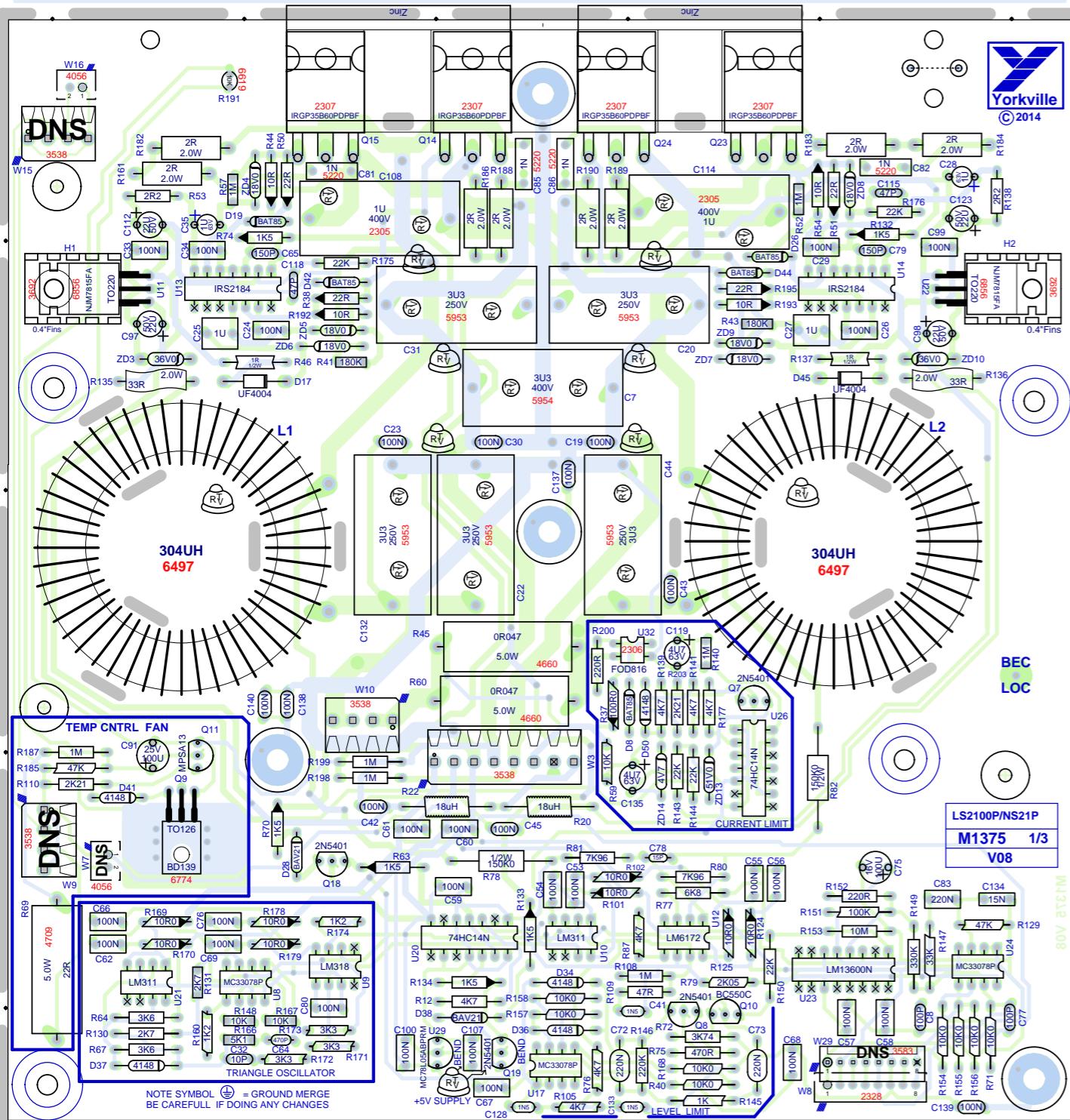
Date: Mon Feb 06, 2017 Rev: V08

Filename: M1375V08sch.sch2006

Yorkville



BlankSize - 17000x11125



TACK ON 8K25
RESISTORS
YS#4792

M1375

V08

NS21P

BEND U29 AND Q19 AND RTV

SEE LAYOUT DOCUMENTATION

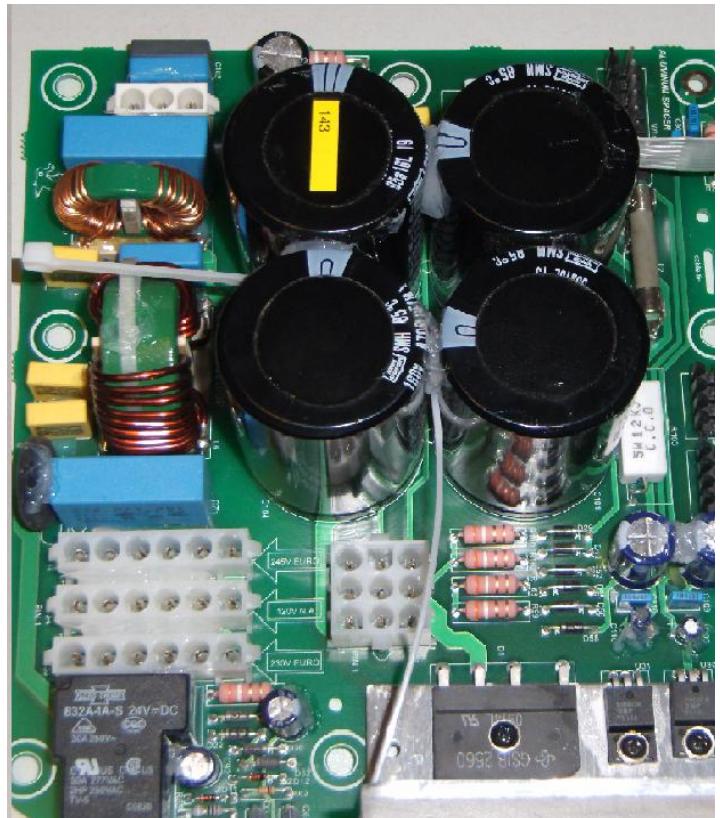
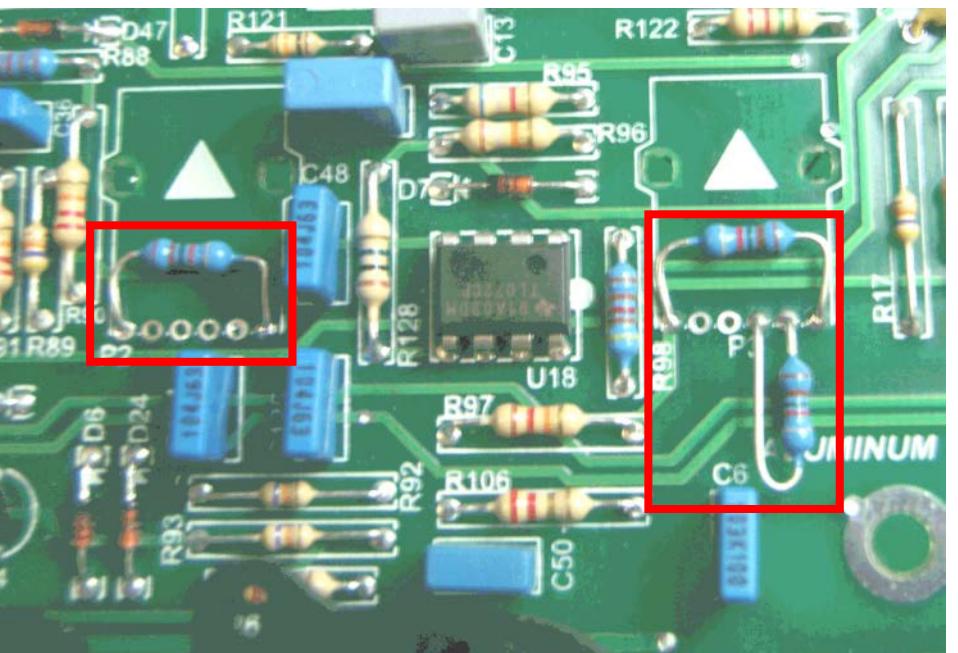


SEE LAYOUT DIAGRAM



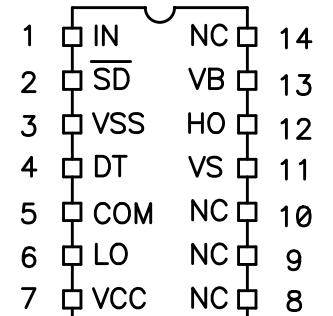
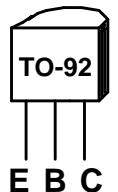
M1375V08NS21P PRODUCTION NOTES

1. LEDS LD1, LD2, AND LD3 ARE TO BE HAND INSERTED.
2. INSTALL YS#8937 TIE AROUND C104. SEE PIC. →
3. RTV ALL ELECTROLYTIC CAPACITORS.
4. PCBSA: DO NOT STUFF J3, J5. J7, P2, P3, OR S1
5. PCBSA: TACK ON 3 RESISTORS 8K25 #4792 SEE ATTACHED PHOTO.

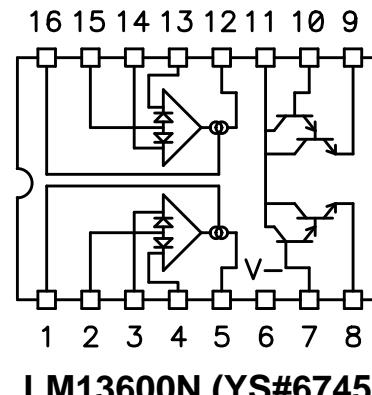
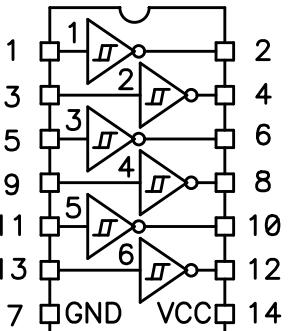


LEADS & PINS REFERENCE

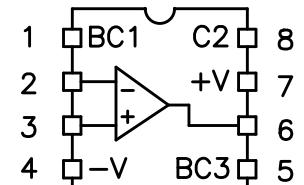
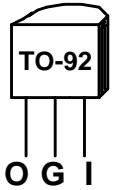
2N5401 (YS#5108)
2N5551 (YS#5107)
MPSA06 (YS#5103)
MPSA13 (YS#5105)



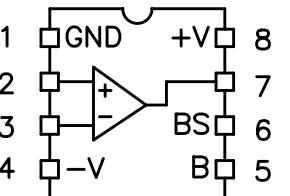
IRS21844PBF (YS#6586) 74HC14N (YS#6603)



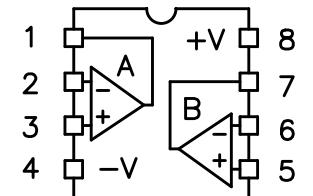
MC78L05ACP (YS#6728)



LM318 (YS#6542)

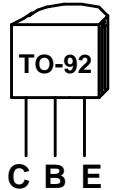


LM311 (YS#6640)

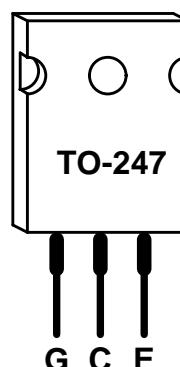
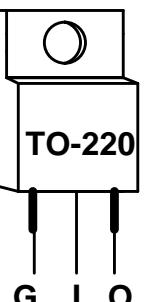
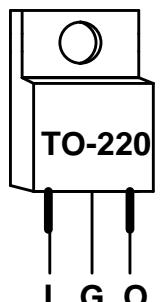


LM6172IN (YS#2318)
MC33078P (YS#6840)
NE5532N (YS#6884)
TL072CP (YS#6882)

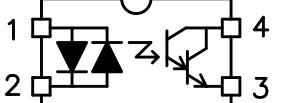
BC550C (YS#5101)



NJM7815FA (YS#6856) NJM7915FA (YS#6857)



FOD816 (YS#2306)



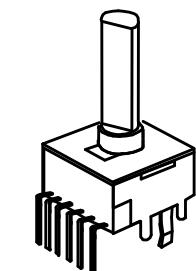
IRGP35B60PDPBF (YS#2307)

POTENTIOMETERS AND KNOBS

M1375

MODEL(S):-LS2100P

REF	FUNCTION	PART#	KNOB	STYLE
P1	LEVEL	2339	8653	P34
P2	SHAPE	2340	8653	P34
P3	ROLLOFF	2339	8653	P34

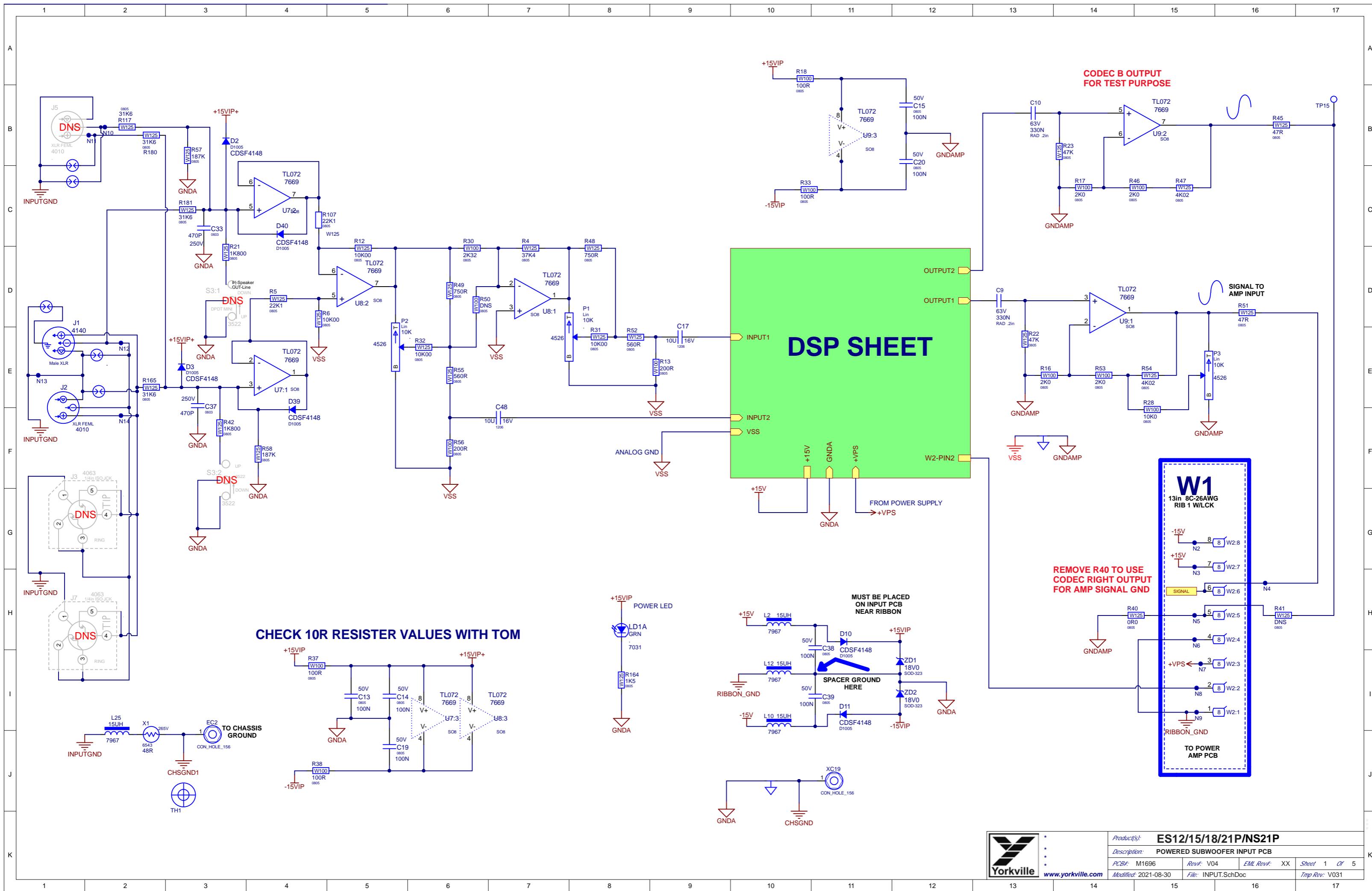


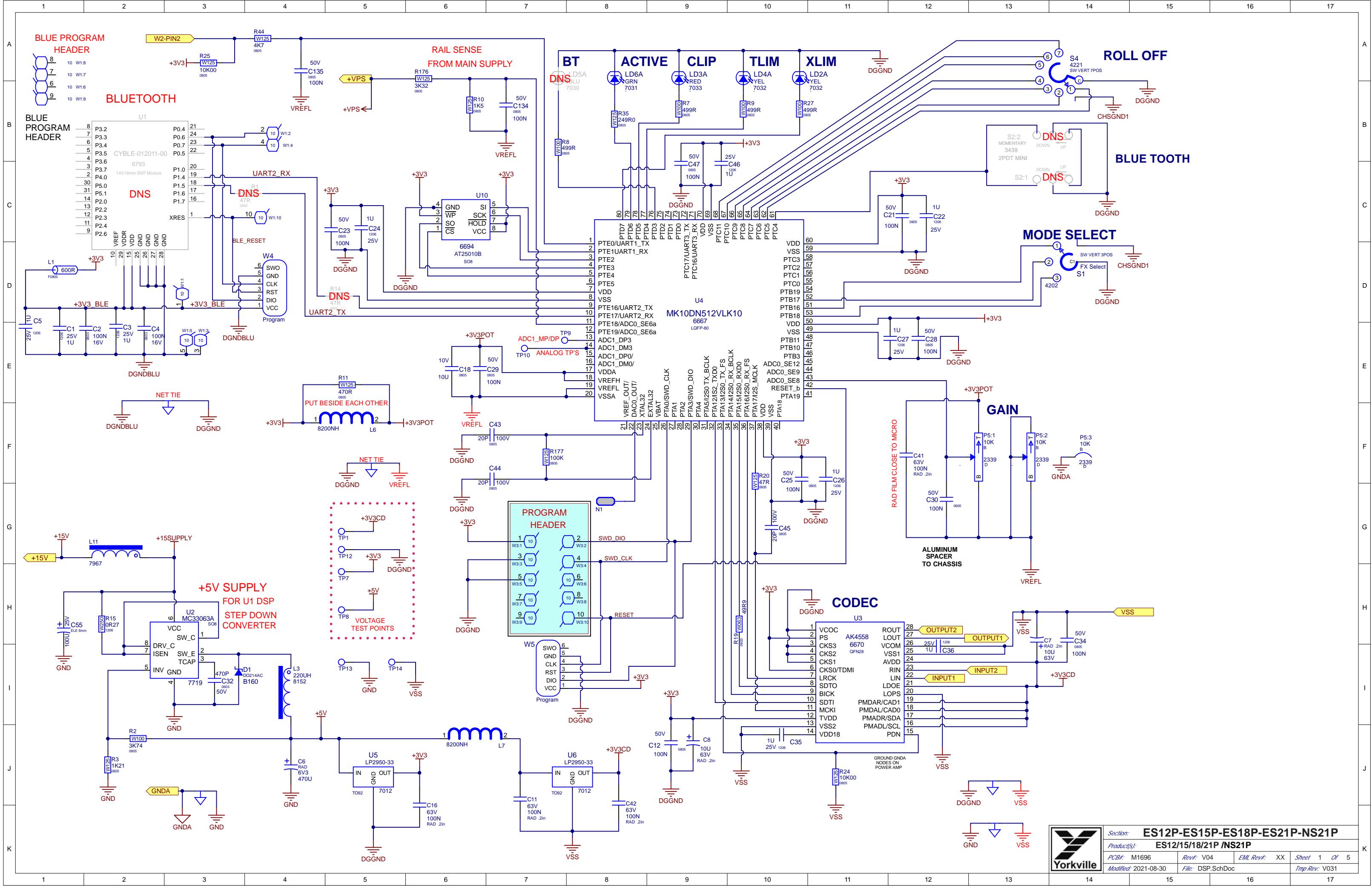
"STYLE_P34"

M1375

MODEL(S):-LS2100P/NS21P

#	DATE	VER#	DESCRIPTION OF CHANGE
1	28-APR-2009	1.00	RELEASED FOR PRODUCTION
2	28-OCT-2009	2.00	ADDED D41 IN SERIES WITH PIN 1 OF Q9
3	.	.	REMOVED PCB FROM X8010, CHANGED TO M1375
4	06-MAY-2010	3.00	Increased Hole sizes: T0220 packages and 156 spacing Molex
5	24-JUN-10	4.00	PC#
6	.	.	.
7	02-FEB-11	.	PC8198: DNS 245V CONN, ADD FUSE VALUES GG
8	04-JUL-2013	V05	PC8545: Moved vias from under resistors. - ML
9	11-DEC-2013	V06	PC8441 - Changed footprint for J1 to YS#4100. - ML
10	15-JULY-2014	V06	PC#8674 GROUNDING HOLE PATTERN MODIFIED.
11	17-DEC-2014	.	T0126 AND T0220 TRANSISTOR PADS UPDATED.
12	.	.	PC8734 - Add 2 diodes (YS#6438) in location shown on bottom of board.
13	.	.	.
1	14-JAN-2015	V07	PC#8734:D12 and D14 added to U30,U31 regulators.
2	16-JUN-2015	.	PC8811: Add NS21P product used on. GG
3	17-JAN-2017	.	PC8988: Change C81, C82, C85, and C86 to 1N YS#5220
4	19-JAN-2017	V08	PC8988: Implemented on board
5	D	V	N
6	D	V	N
7	D	V	N
8	D	V	N
9	D	V	N
10	D	V	N
11	D	V	N
12	D	V	N
13	D	V	N





DESIGN HISTORY AND INFORMATION

CHANGE HISTORY

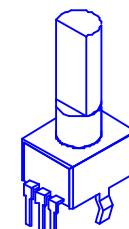
#	DATE	VER#	PC#	DESCRIPTION OF CHANGE
1	14-MAR-2017	V01	.	RELEASE FOR PRODUCTION
2	01-SEP-2017	V02	9101	ADDED U10 MEMORY CHIP FOR BLUETOOTH
3	17-SEP-2018	V03	9233	Changed LEDs on pcb to smt LEDs to accommodate light pipes
4	.	.	9323	Added NS21P option
5	18-AUG-2021	V04	9443	Moved P2 and C42 away from J2.
6	.	.	.	.
7	.	.	.	.
8	.	.	.	.
9	.	.	.	.

#	DATE	VER#	PC#	DESCRIPTION OF CHANGE
1
2
3
4
5
6
7
8
9
10
11
12
13

#	DATE	VER#	PC#	DESCRIPTION OF CHANGE
1
2
3
4
5
6
7
8
9
10
11
12
13

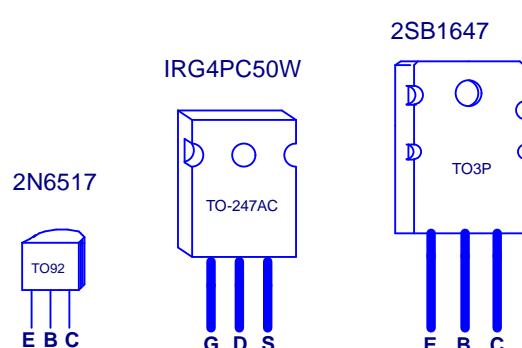
POTENTIOMETERS AND KNOBS

POTENTIOMETERS/SWITCHES AND KNOBS



"STYLE B32"

PINOUT DIAGRAMS



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

PCB ASSEMBLY DOCUMENTATION

SPECIAL PRODUCTION NOTES

1. PCBSA: RTV BETWEEN ALL TALL COMPONENTS AND WHERE INDICATED.
2. PRIOR TO INPUT INTO WAVE SOLDER MACHINE, USE A JIG FOR INPUT JACK ALIGNMENT.
3. PCBSA: AFTER WAVE USE PIZZA CUTTER TO SEPARATE THE BOARDS.
4. TEST: AFTER BOARD PROGRAMMING PLEASE CHECK APPROPRIATE BOX BESIDE THE MODEL THAT THE PCB WAS PROGRAMMED FOR. ENSURE THE CORRECT BOX IS CHECKED ON BOTH SIDES OF PCB WHERE INDICATED.

PCB HARDWARE

SCREWS AND BOLTS	NUTS	STANDOFFS	MISCELLANEOUS
------------------	------	-----------	---------------



DESIGN HISTORY AND INFORMATION

CHANGE HISTORY

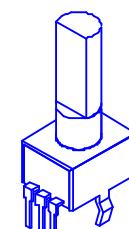
#	DATE	VER#	PC#	DESCRIPTION OF CHANGE
1	14-MAR-2017	V01	.	RELEASE FOR PRODUCTION
2	01-SEP-2017	V02	9101	ADDED U10 MEMORY CHIP FOR BLUETOOTH
3	17-SEP-2018	V03	9233	Changed LEDs on pcb to smt LEDs to accommodate light pipes
4	.	.	9323	Added NS21P option
5	18-AUG-2021	V04	9443	Moved P2 and C42 away from J2.
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#	DATE	VER#	PC#	DESCRIPTION OF CHANGE
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#	DATE	VER#	PC#	DESCRIPTION OF CHANGE
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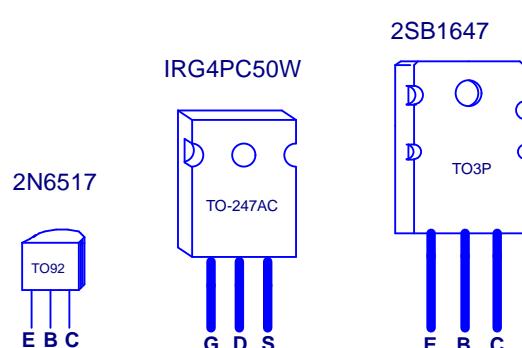
POTENTIOMETERS AND KNOBS

POTENTIOMETERS/SWITCHES AND KNOBS



"STYLE B32"

PINOUT DIAGRAMS



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

A

A

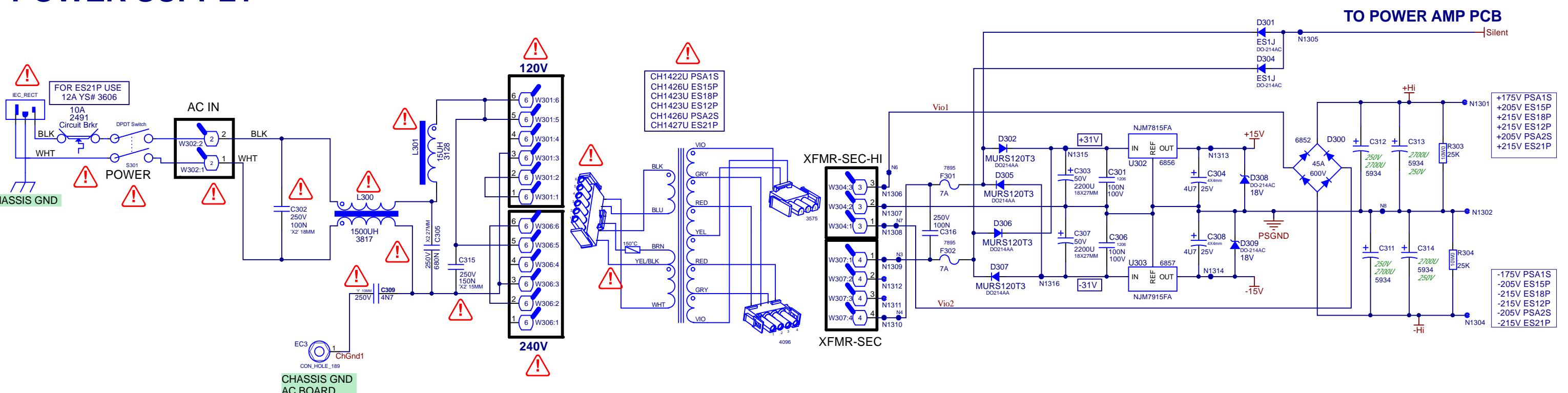
B

B

C

C

POWER SUPPLY



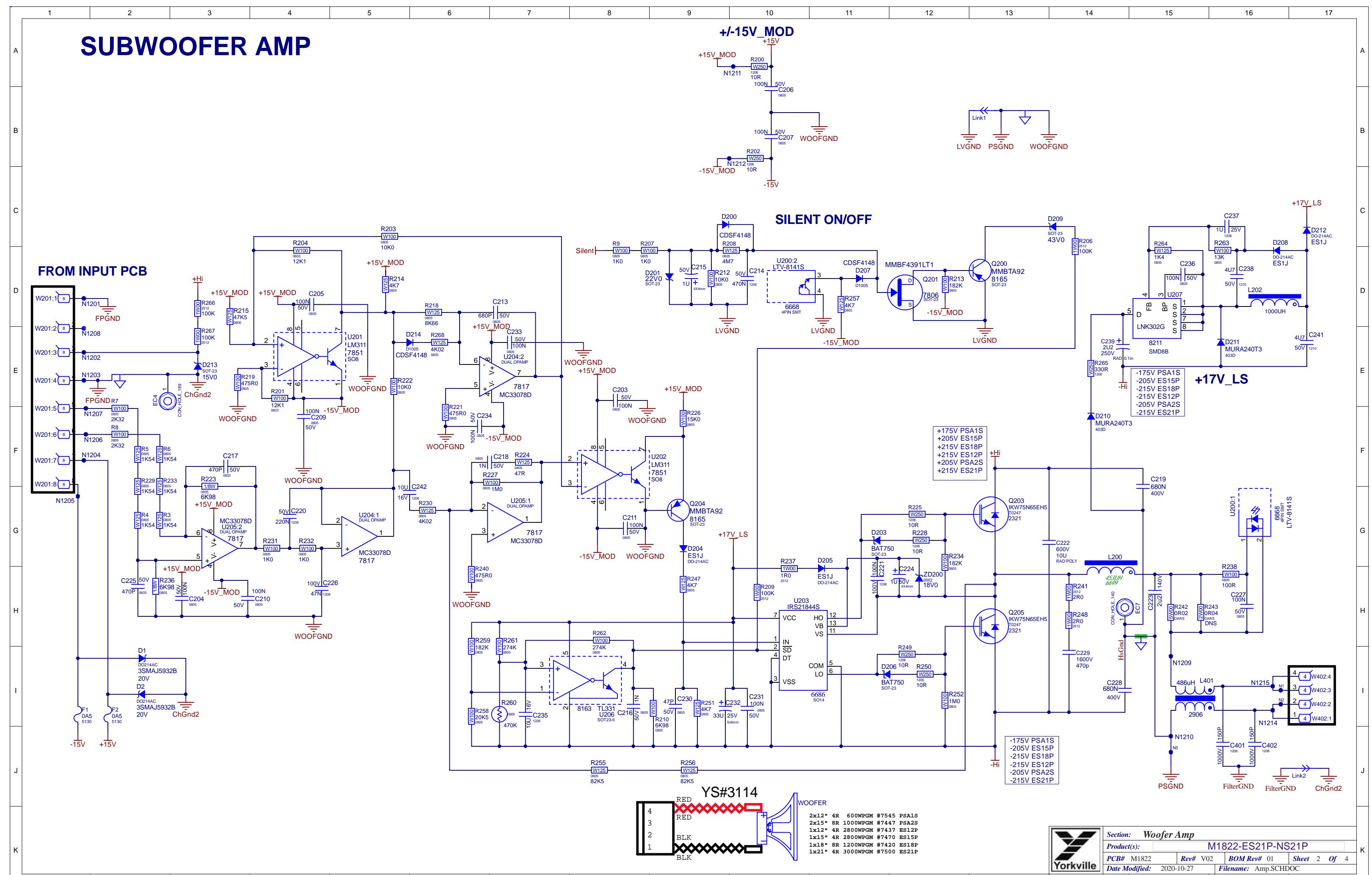
Critical Safety Components

This symbol is placed next to Safety Critical Components



Section: Power Supply				
Product(s): M1822-ES21P-NS21P		BOM Rev# 01	Sheet 2 Of 5	
PCB# M1822	Rev# V02			
Date Modified: 2020-10-27		Filename: Supply.SCHDOC		

SUBWOOFER AMP



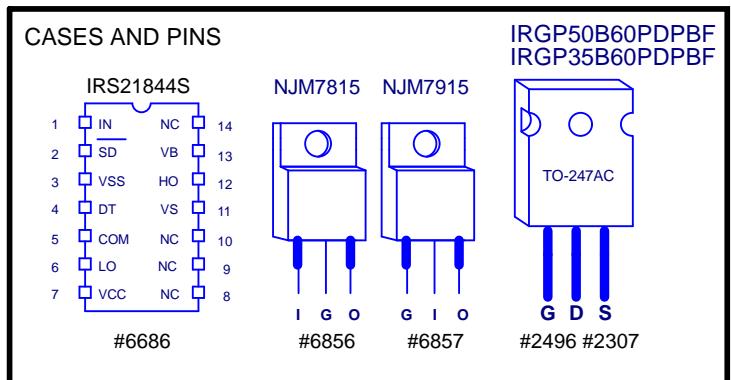
DESIGN HISTORY AND INFORMATION

CHANGE HISTORY

#	DATE	VER#	PC#	DESCRIPTION OF CHANGE
1	08-May-2019	V01	.	New EMC compliant board
2	22-Aug-2019	.	9440	FOR ES12P-ES21P and PSA2S: Replace R242 #5110 0R04 2W with #5142 0R02 5W and DNS R243
3	.	.	.	REPLACE D308 AND D309 FROM YS#8814 ES1J TO YS#8159 SMAZ18 18V ZENER
4	23-Sept-2019	V02	9454	R247 moved close to C230 to eliminate oscillation
5	.	.	9456	R247 moved close to C230 to eliminate oscillation
6	27-Oct-2020	.	9411	Replaced #2496 with #2321
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#	DATE	VER#	PC#	DESCRIPTION OF CHANGE
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POTENTIOMETERS AND KNOBS

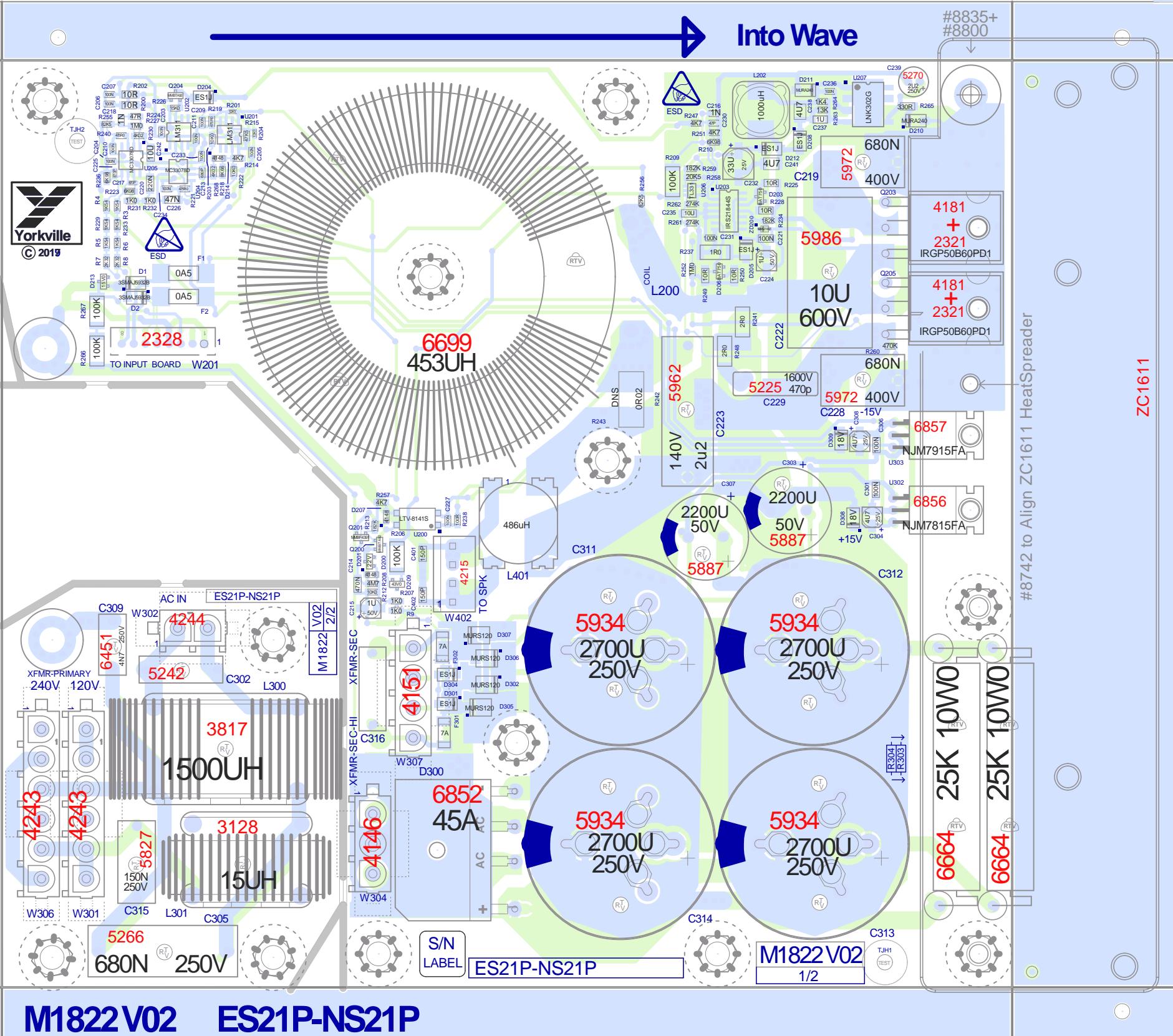
PINOUT DIAGRAMS



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

M1822-ES21P-NS21P

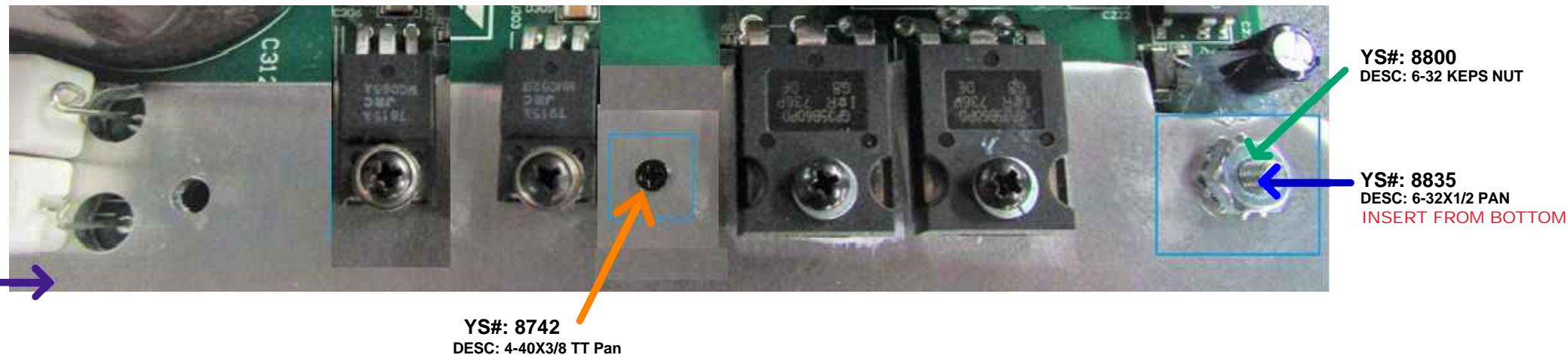
BlankSize - 261 mmX222mm (10276X8740)



PCB ASSEMBLY DOCUMENTATION

MOUNTING HARDWARE & INSTRUCTIONS FOR HEAT SPREADER ZC1611:

- 1- First install #8742 screw to align heatspreader ZC1611
- 2- Install all devices on Heat Spreader
- 3- Install #8800 and #8835 for grounding. Nut up.



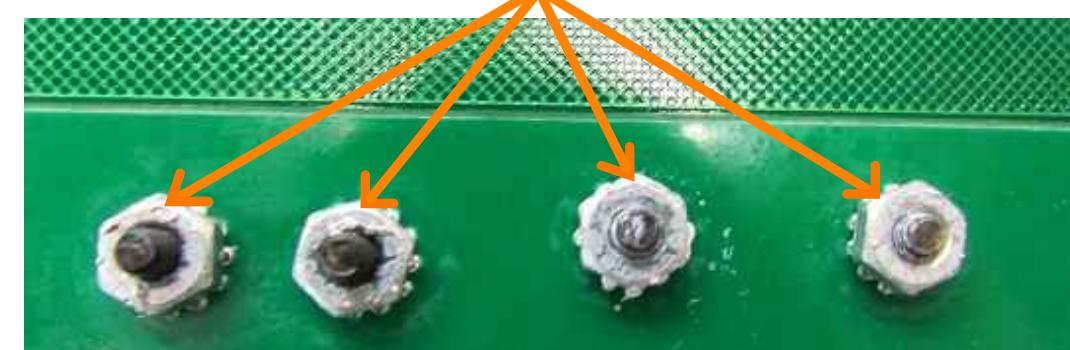
MOUNTING HARDWARE FOR U302/U303 AND Q203/Q205:

TOP VIEW:



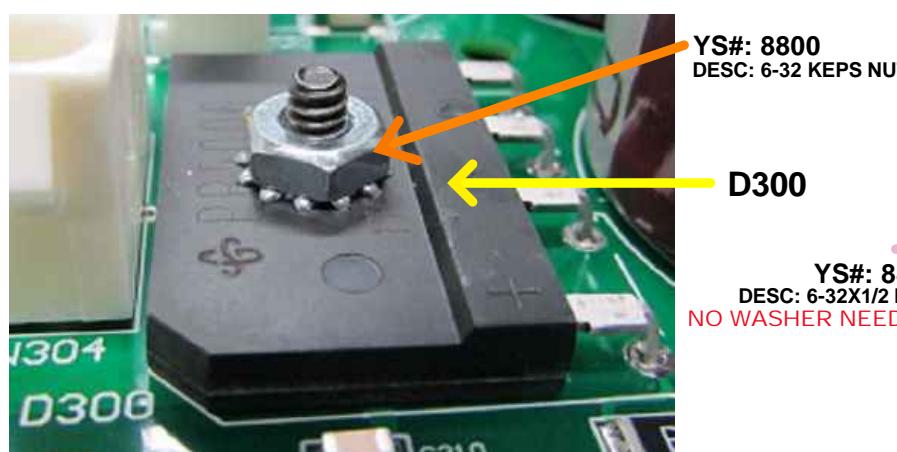
BOTTOM VIEW:

YS#: 8701
DESC: 4-40 KEPS NUT

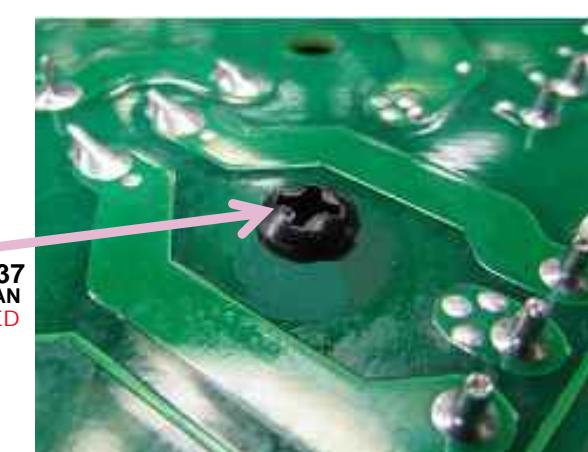


MOUNTING HARDWARE FOR D300:

TOP VIEW:



BOTTOM VIEW:



RTV INSTRUCTIONS:

ADD RTV BETWEEN:
C311, C312, C313 and C314 AFTER WAVE
SOLDER



Add RTV UNDER R303 AND R304 on the
heatspreader

**IMPORTANT: Keep the resistors away
from the nearby capacitors (C312, C313)**

Clip all 4 leads short on D300:



Assembly Documentation				
Section:	Product(s):	RevF:	EML RevF:	Sheet
	ES12P/ES15P/ES18P/ES21P/PSA1S/PSA2S	V02	01	2 Of 3
PCB#:	M1822			

Modified: 2020-10-27 File: Assembly.SchDoc Tmp Date:

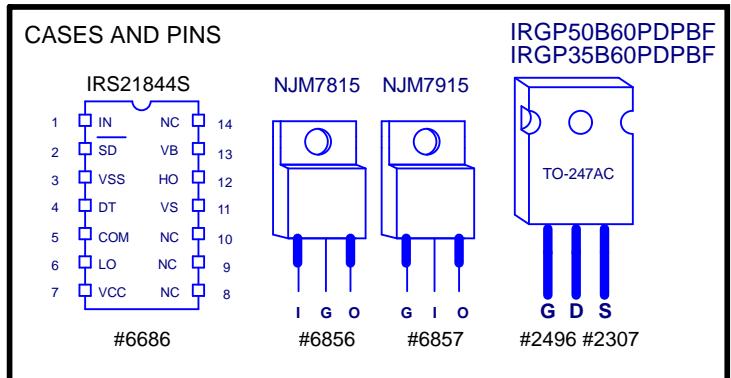
DESIGN HISTORY AND INFORMATION

CHANGE HISTORY

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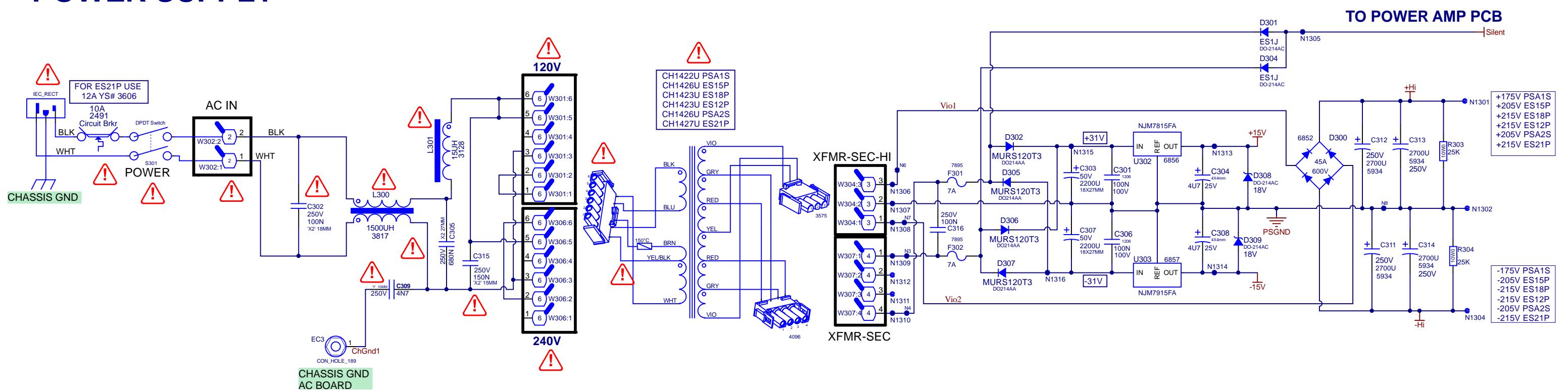
POTENTIOMETERS AND KNOBS

PINOUT DIAGRAMS



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

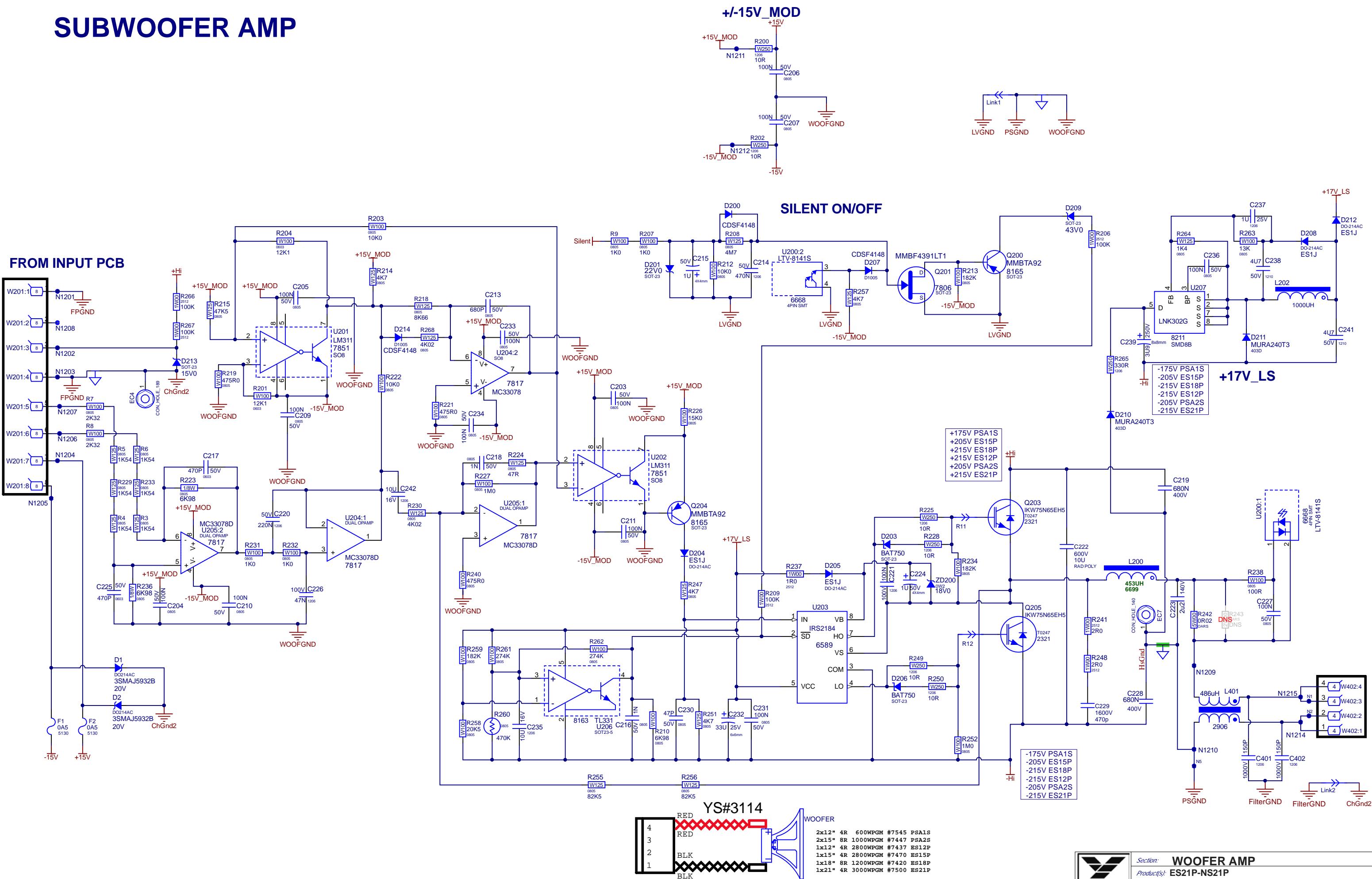
POWER SUPPLY



Critical Safety Components

⚠ This symbol is placed next to Safety Critical Components

SUBWOOFER AMP



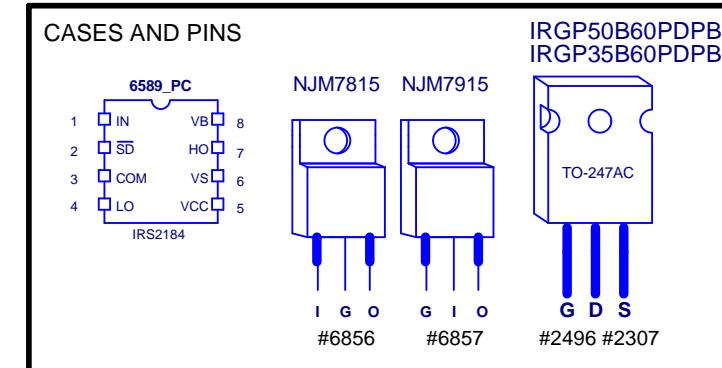
DESIGN HISTORY AND INFORMATION

CHANGE HISTORY

#	DATE	VER#	PC#	DESCRIPTION OF CHANGE
1	23-FEB-2022	V01	.	RELEASED FOR PRODUCTION
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#	DATE	VER#	PC#	DESCRIPTION OF CHANGE
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POTENTIOMETERS AND KNOBS

PINOUT DIAGRAMS



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

M2128-ES21P-NS21P

→ Into Wave

#8835+
#8800

BlankSize - 261mmX222mm (10276X8740)

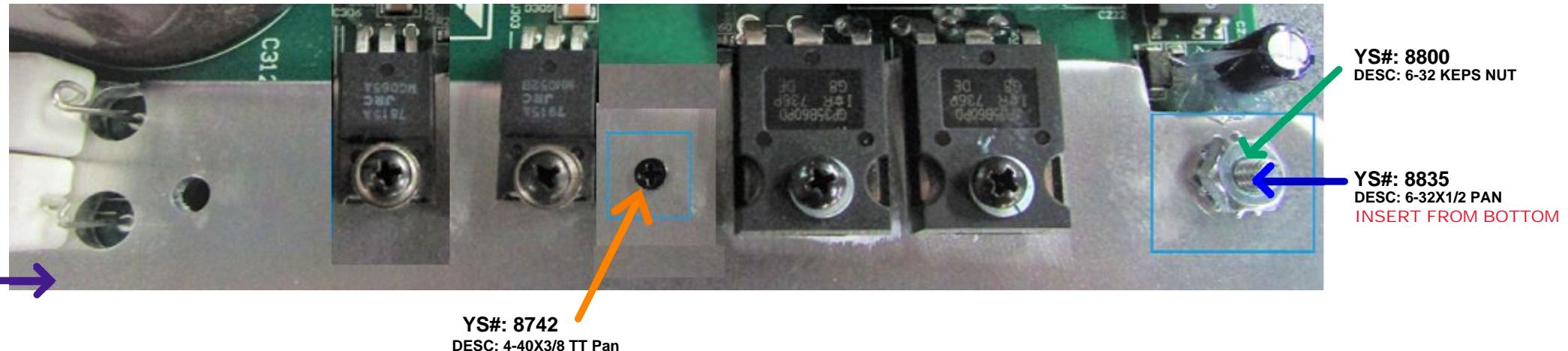
M2128V01

ES21P-NS21P

PCB ASSEMBLY DOCUMENTATION

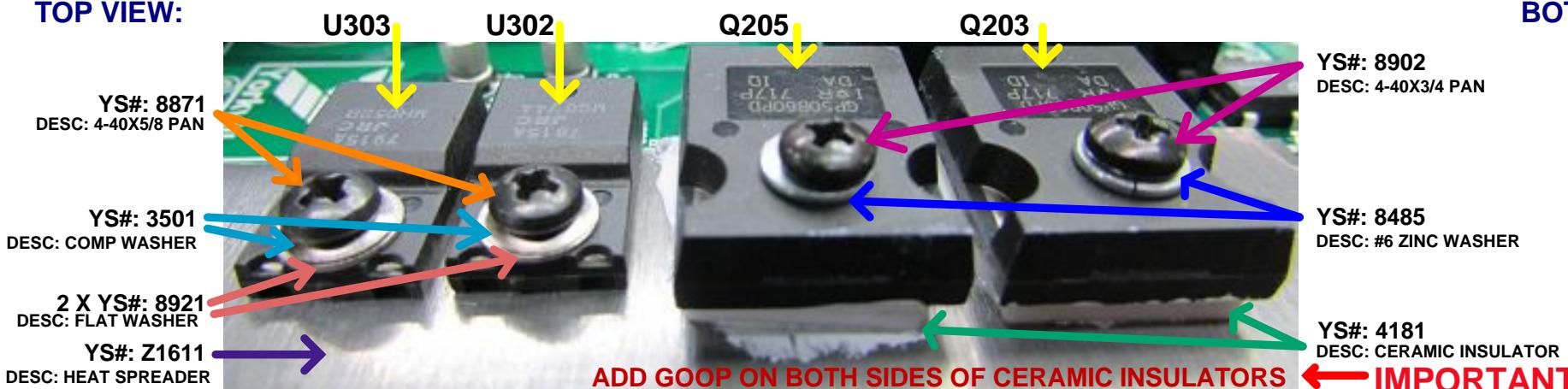
MOUNTING HARDWARE & INSTRUCTIONS FOR HEAT SPREADER ZC1611:

- 1- First install #8742 screw to align heatspreader ZC1611
- 2- Install all devices on Heat Spreader
- 3- Install #8800 and #8835 for grounding. Nut up.



MOUNTING HARDWARE FOR U302/U303 AND Q203/Q205:

TOP VIEW:

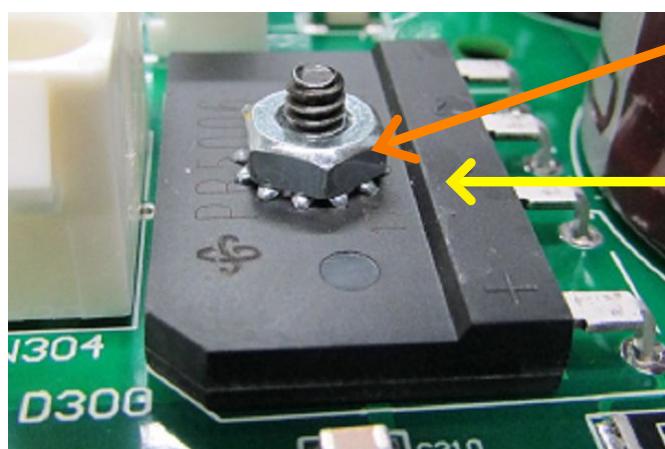


BOTTOM VIEW:

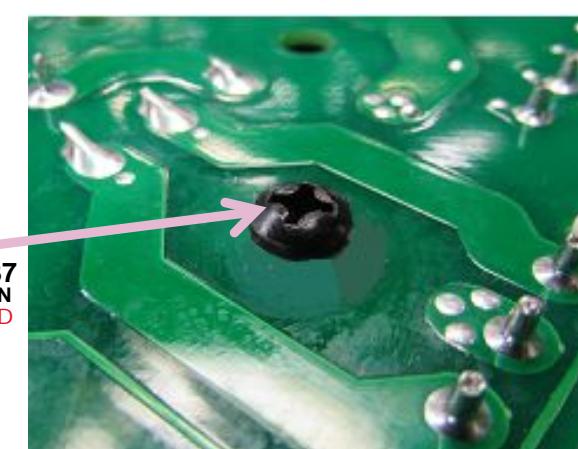


MOUNTING HARDWARE FOR D300:

TOP VIEW:



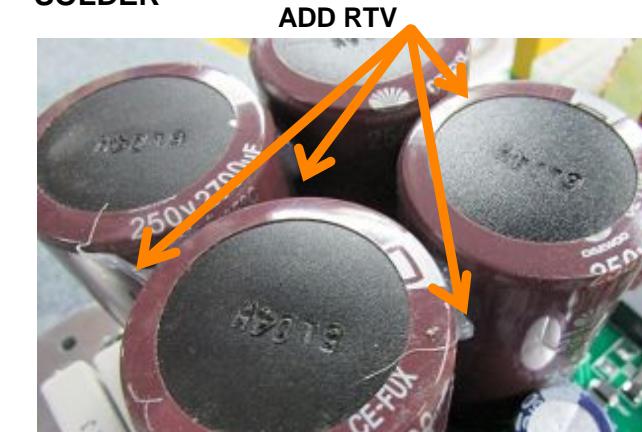
BOTTOM VIEW:



Clip all 4 leads short on D300:

RTV INSTRUCTIONS:

ADD RTV BETWEEN:
C311, C312, C313 and C314 AFTER WAVE
SOLDER



Add RTV UNDER R303 AND R304 on the
heatspreader

IMPORTANT: Keep the resistors away
from the nearby capacitors (C312, C313)

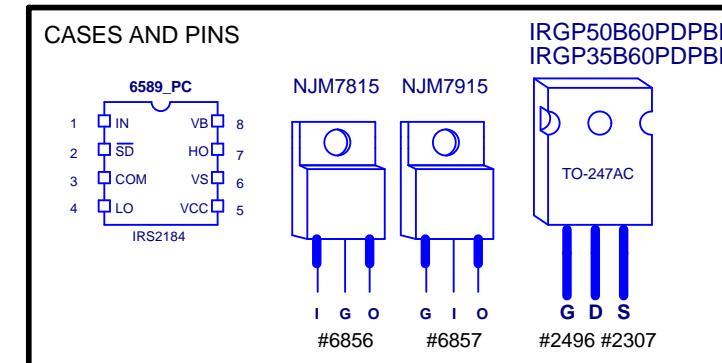
DESIGN HISTORY AND INFORMATION

CHANGE HISTORY

#	DATE	VER#	PC#	DESCRIPTION OF CHANGE
1	23-FEB-2022	V01	.	RELEASED FOR PRODUCTION
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POTENTIOMETERS AND KNOBS

PINOUT DIAGRAMS



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



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www.yorkville.com
