



SERVICE MANUAL

TYPE: YS1002
NX55P

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

**WORLD HEADQUARTERS
CANADA**

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IMPORTANT SAFETY INSTRUCTIONS



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

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



CAUTION AVIS
RISK OF ELECTRIC SHOCK
DO NOT OPEN
RISQUE DE CHOC ELECTRIQUE
NE PAS OUVRIR
Caution: hot surface
Attention: surface chaude
IEC 60417-5041



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.
Le point d'exclamation à l'intérieur d'un triangle équilatéral est prévu pour alerter l'utilisateur de la présence d'instructions importantes dans la littérature accompagnant l'appareil en ce qui concerne l'opération et la maintenance de cet appareil.

FOLLOW ALL INSTRUCTIONS

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

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

NO USER SERVICEABLE PARTS INSIDE.

REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

THIS DEVICE IS FOR INDOOR USE ONLY!

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

Clean only with dry cloth.

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

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

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

Power Sources

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

Hazards

Do not place this product on an unstable cart, stand, tripod, bracket or table. The product may fall, causing serious personal injury and/or 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.

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

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

Service

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

SUIVEZ TOUTES LES INSTRUCTIONS

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

AVIS: AFIN DE REDUIRE LES RISQUE DE CHOC ELECTRIQUE, N'ENLEVEZ PAS LE COUVERT (OU LE PANNEAU ARRIÈRE)

NE CONTIENT AUCUNE PIÈCE REPARABLE PAR L'UTILISATEUR.

CONSULTEZ UN TECHNICIEN QUALIFIÉ POUR L'ENTRETIEN

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

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

Nettoyez seulement avec le tissu sec.

Emballage: Conservez la boîte au cas où l'appareil devait être 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 électriques, assurez-vous d'adhérer à des précautions de bases incluant celle qui suivent:

Alimentation

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

Risque

Ne pas placer cet appareil sur un chariot, un support, un trépied ou une table instables. L'appareil pourrait tomber et blesser quelqu'un ou subir des dommages importants. Utiliser seulement un chariot, un support, un trépied ou une table recommandés par le fabricant ou vendus avec le produit. Suivre les instructions du fabricant pour installer l'appareil et utiliser les accessoires recommandés par le fabricant. Utilisez seulement les 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'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'une symbole "d'éclair" sont des parties dangereuses au toucher et que les câblages extérieurs connectés à ces dispositifs de connection extérieure doivent être effectués par un opérateur formé ou en utilisant des cordons déjà préparés.

Cordon d'Alimentation

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

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

Service

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

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 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. Respectez tous les avertissements.

4. Suivez toutes les instructions.

5. N'utilisez pas l'appareil près de l'eau.

6. Nettoyez 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 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 fournies 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 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 le liquide a été renversé ou des objets sont tombés à l'intérieur, lorsque l'appareil a été exposé à la pluie ou à 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

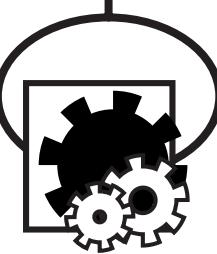
POUR PRÉVENIR LES RISQUES D'ÉLECTROCUSSION,
NE PAS RACCORDER A L'ALIMENTATION ÉLECTRIQUE ALORS
QUE LA GRILLE EST RETIRÉE.



SERVICE BULLETIN

IMPORTANT SERVICE NOTICE!

NX55P and NX750P



M1309V06 and newer version circuit boards are NOT backwards compatible with ANY previous versions of M1309 boards!

Note: Due to ongoing changes in the layout of the power supply and the power amplifier, the circuit board M1309V06 (Version 06) and newer versions are not compatible with board M1309V05 (version 05) or previous versions, the pin-outs on the connectors have been re-arranged.

If you need to change one of the older versions of the circuit boards with the new one you MUST change BOTH amplifier and power supply boards!

DO NOT mix different version circuit boards!

AVIS IMPORTANT DE SERVICE !

NX55P et NX750P

Les nouvelles versions du circuit imprimé M1309 en commençant par la version M1309V06 ne sont pas rétro-compatibles avec les versions précédentes du circuit !

Remarque : En raison des changements continus dans l'agencement de la section de l'alimentation et de l'amplificateur de puissance, le circuit imprimé M1309V06 (version 06) et les versions plus récentes sont pas compatibles avec le circuit imprimé M1309V05 (version 05) ou les versions antérieures, les brochages des connecteurs ont été réarrangés.

Si vous devez remplacer une ancienne version de circuit imprimé par une nouvelle version, vous DEVEZ changer les DEUX circuits, soit celui de l'amplificateur et celui de l'alimentation

[Direct Link: NX55P Service Manual M1309V06 and newer](#)

[Direct Link: NX55P Service Manual M1309V05 and older](#)

[Direct Link: NX750P Service Manual M1309V06 and newer](#)

[Direct Link: NX750P Service Manual M1309V05 and older](#)

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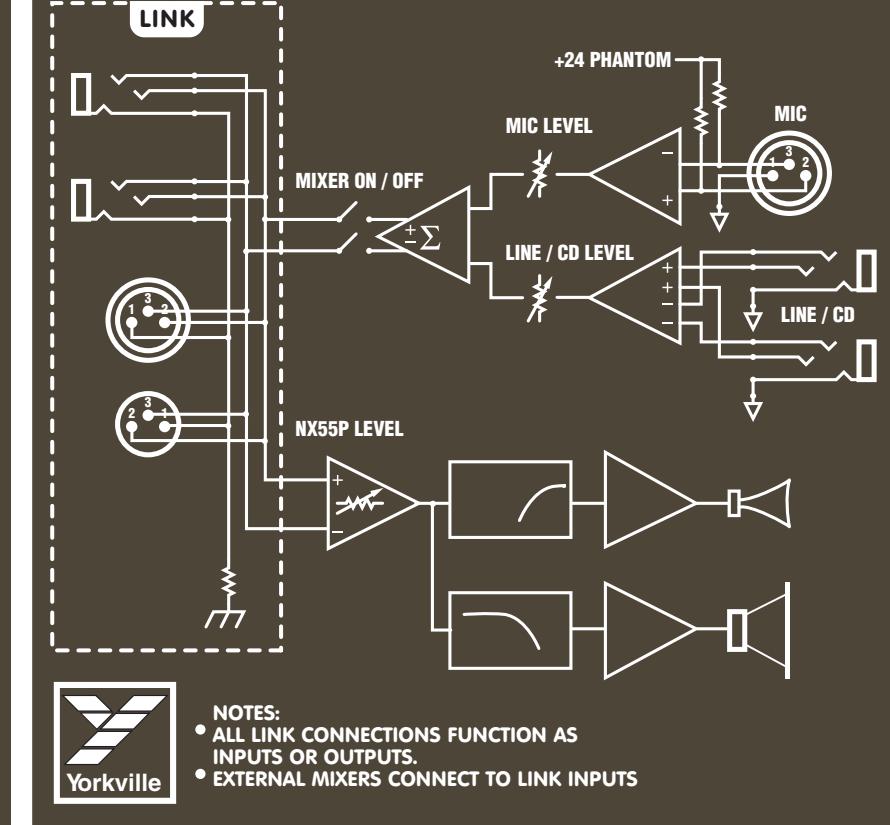
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nx55P

550 WATT POWERED LOUDSPEAKER ENCLOSURE



Yorkville



CAUTION AVIS

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

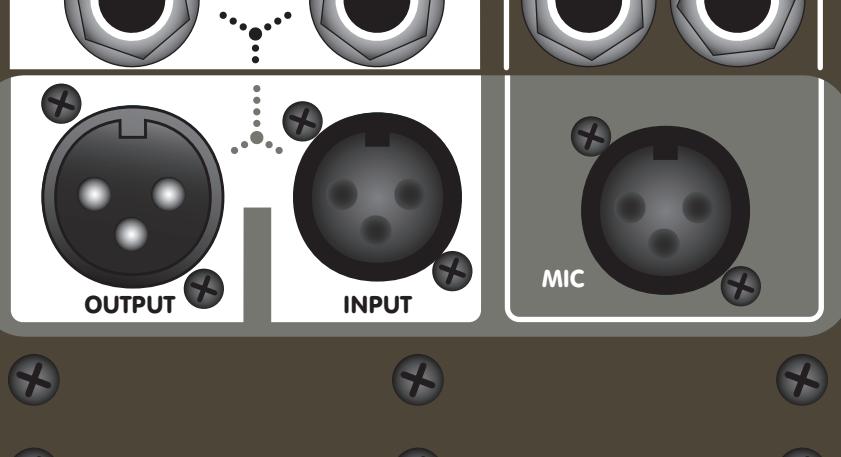
MODEL TYPE: YS1002

230V ~
50Hz 1.0A
FUSE: F3,15A 250V



120VAC 60Hz 2.0A
FUSE: 4.0A 250V
FastBlo

A-Z823 / 1v5



OFF POWER ON

FUSE



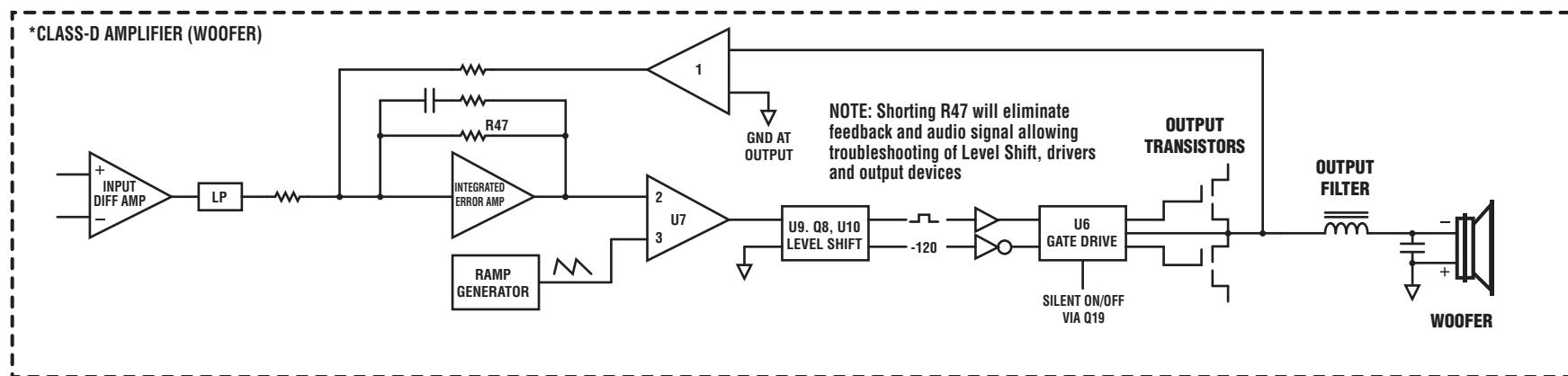
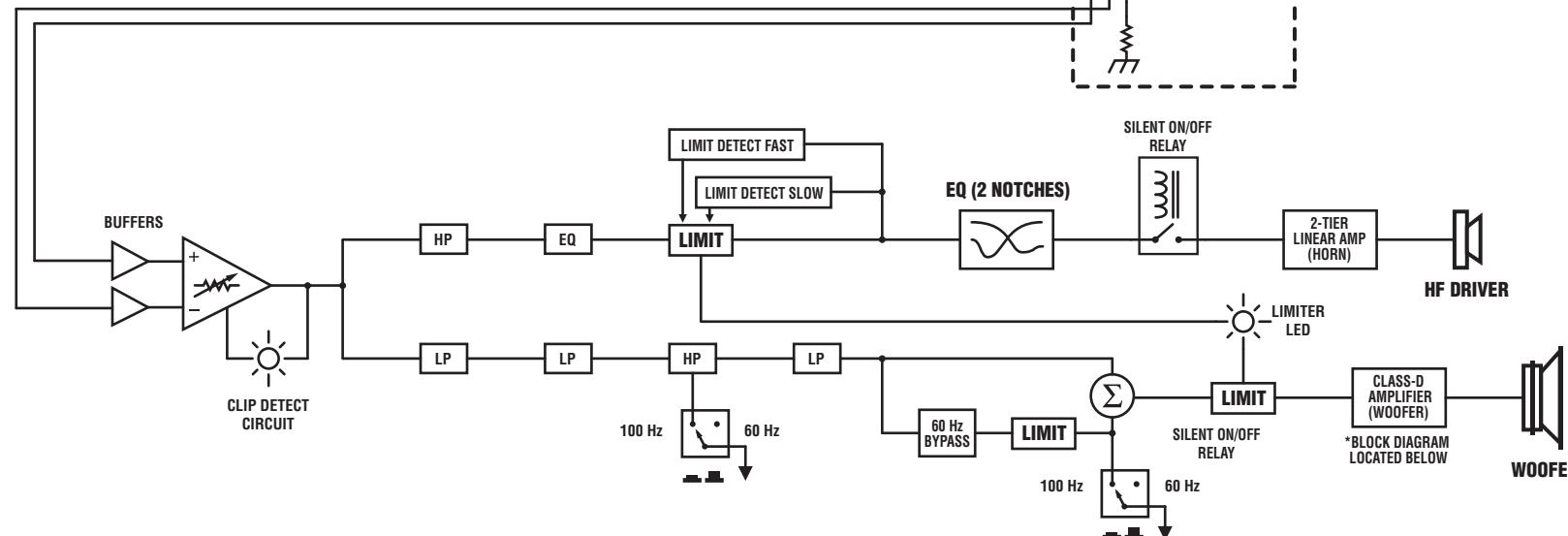
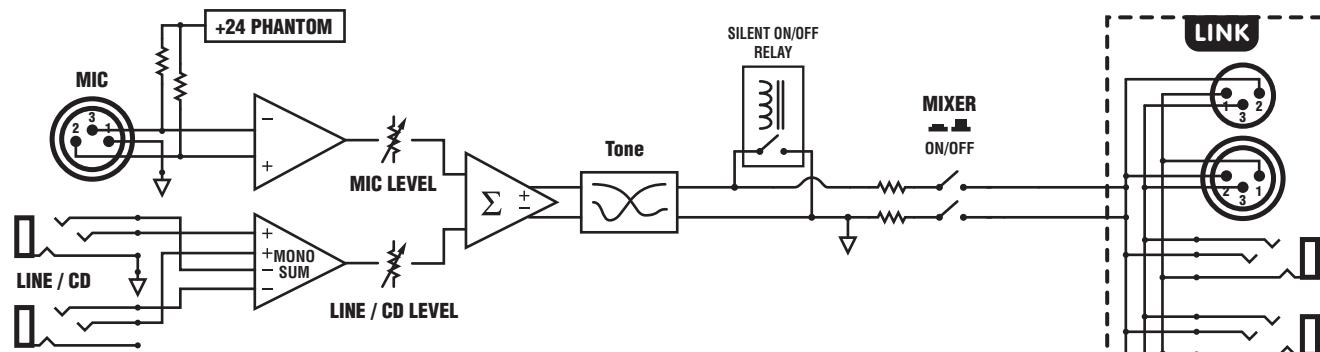
CAUTION: REPLACE WITH
SAME TYPE FUSE AND RATING

ATTENTION: UTILISER UN FUSIBLE DE
RECHANGE DE MEME TYPE ET CALIBRE

Designed & Manufactured by
YORKVILLE SOUND • TORONTO, CANADA

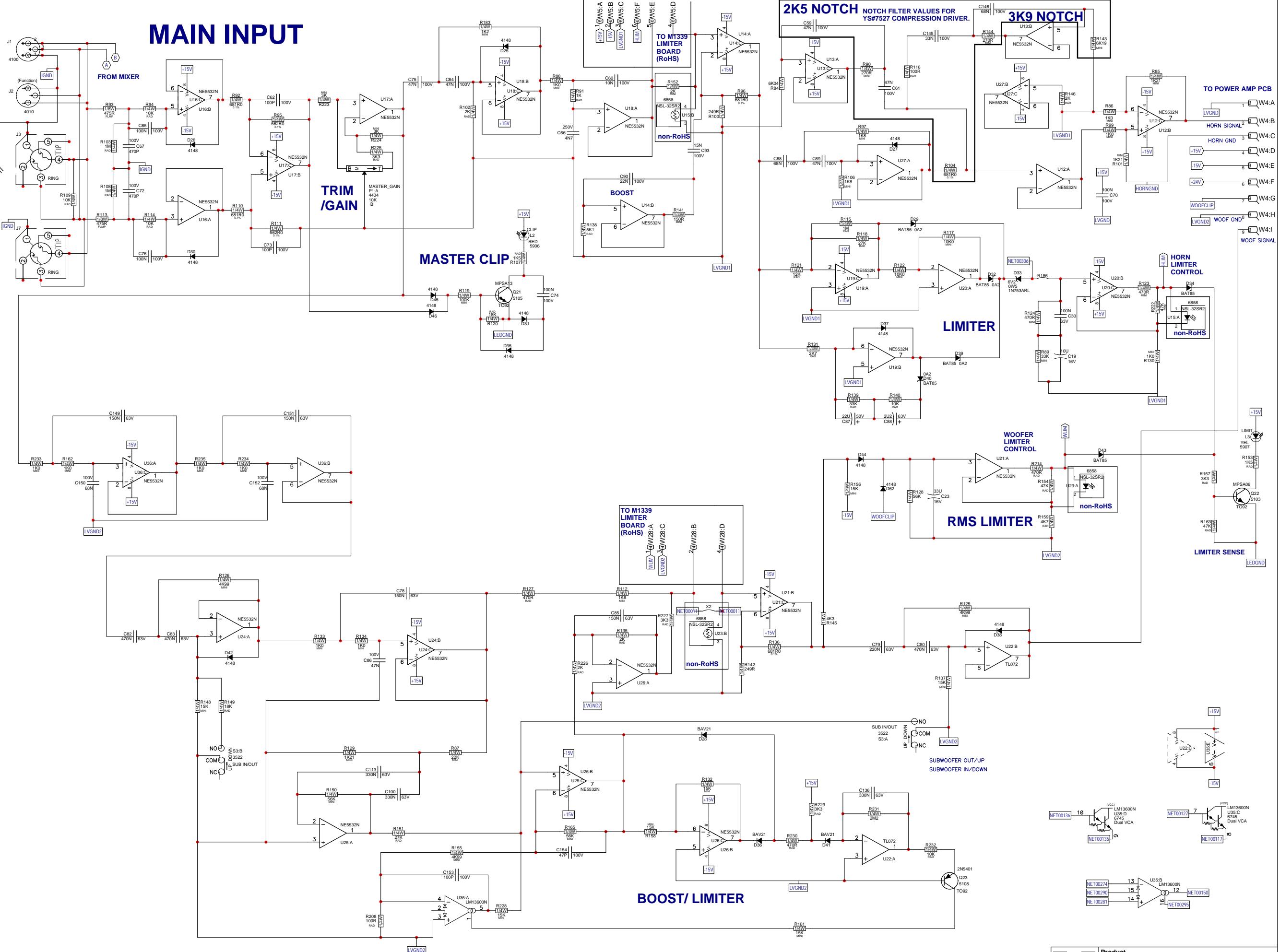
Block Diagram for NX55P

DESIGNED & MANUFACTURED BY YORKVILLE SOUND

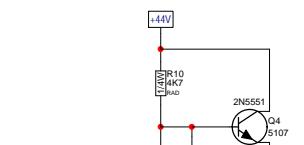


| Specifications | |
|--|---|
| System Type | 2-Way |
| Active or Passive | Active |
| Program Power (Watts) | 550 |
| Biampable | Self Powered |
| Biamp Operation Only | Yes |
| Max SPL (dB) | 124 |
| Frequency Response (Hz +/- 3db) | 45 - 18k |
| Crossover Frequency (Hz) | 2300 |
| Driver Configuration | 12 inch / 1 inch |
| HF Driver(s) | 1 inch Throat, Ceramic Magnet, 1 inch Mylar voicecoil |
| HF Program Power (Watts) | 100 |
| HF Dispersion (°H x °V) | 80 x 50 |
| LF Driver(s) | 12 inch Neodymium Magnet 3 inch voicecoil |
| LF Program Power(Watts) | 450 |
| Total Power (Watts) | 550 |
| HF Amplifier Type | Two Tier Class H |
| LF Amplifier Type | Class D |
| Power Cable | Yes |
| Power Switch | Yes |
| Inputs | 7 |
| Inputs - 1/4" Jacks | 2 (line input) 2 (link in/out) |
| Inputs - XLR | 1 (mic) 2 (line in/out) |
| Input Sensitivity (Vrms Sine) | +4dBv / 1.23V |
| Mixer Controls | Mixer on/off switch |
| | Mic Gain |
| | Line/CD Gain |
| | Treble/Bass Tweak |
| Level Controls | +/- 6dB Main Volume |
| EQ Controls | 100Hz HP Filter (LF Rolloff) |
| Limiter | Yes |
| LED Indicators | Power/Clip/Limit |
| Feet | Yes |
| Flying Hardware | 2 (Top), 2 (Bottom), 1 (Pullback) |
| Optional Flying Hardware | NX Flyware |
| Bar Handles | 1 (Side) |
| Pole Mount Adapter (1 3/8"-3.5cm) | Yes |
| Enclosure Materials | Injection molded Polypropylene |
| Grille | Perforated Metal |
| Dimensions (DWH xbackW, inches) | 12.25 x 16 x 26.5 x 9 |
| Dimensions (DWH xbackW, cm) | 31.12 x 40.6 x 67.3 x 22.9 |
| Weight (lbs/kg) | 41 / 18.6 |

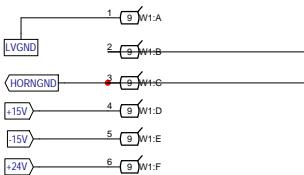
MAIN INPUT



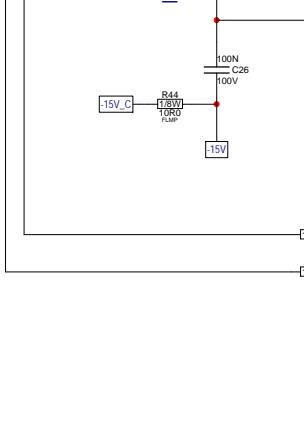
PHANTOM SUPPLY



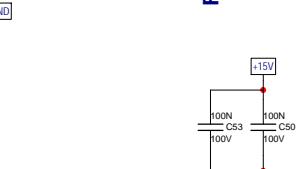
FROM INPUT PCB



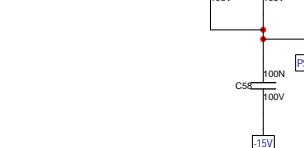
+/-15V_C



FROM POWER SUPPLY

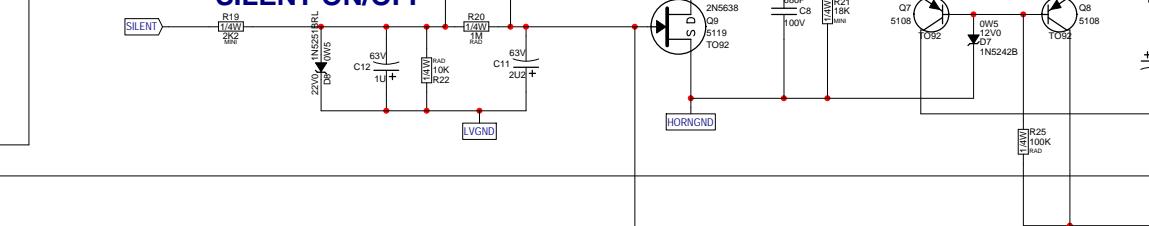


+5V_MOD

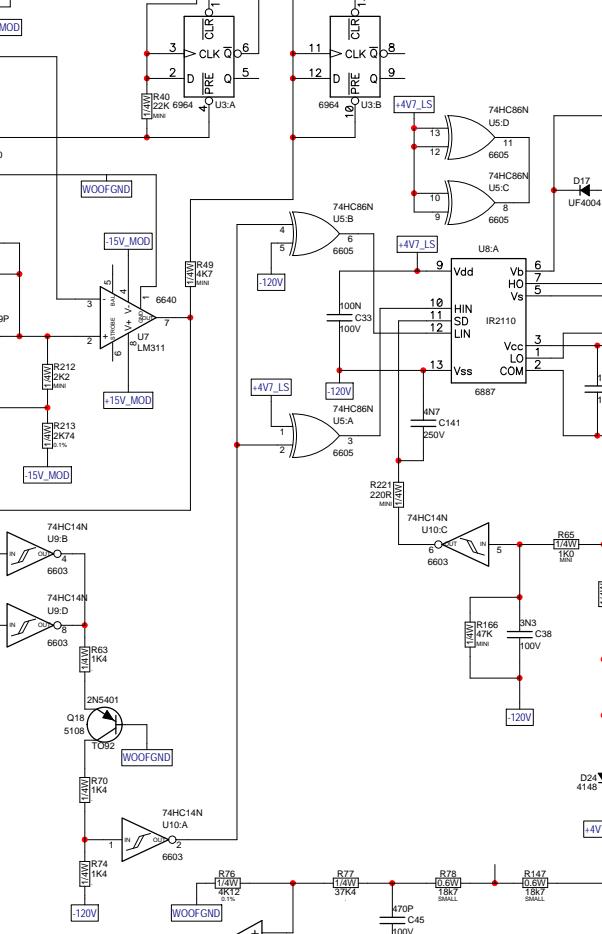


HORN AMP

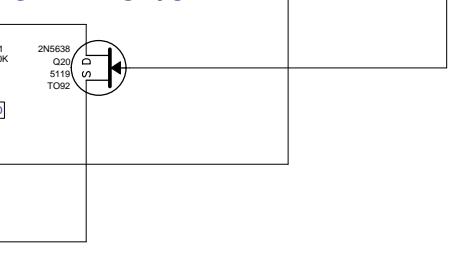
SILENT ON/OFF

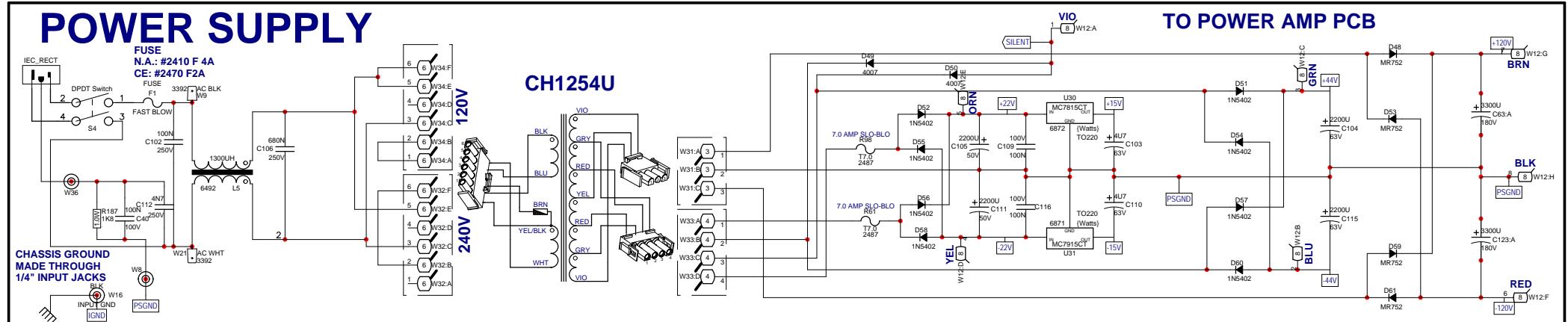
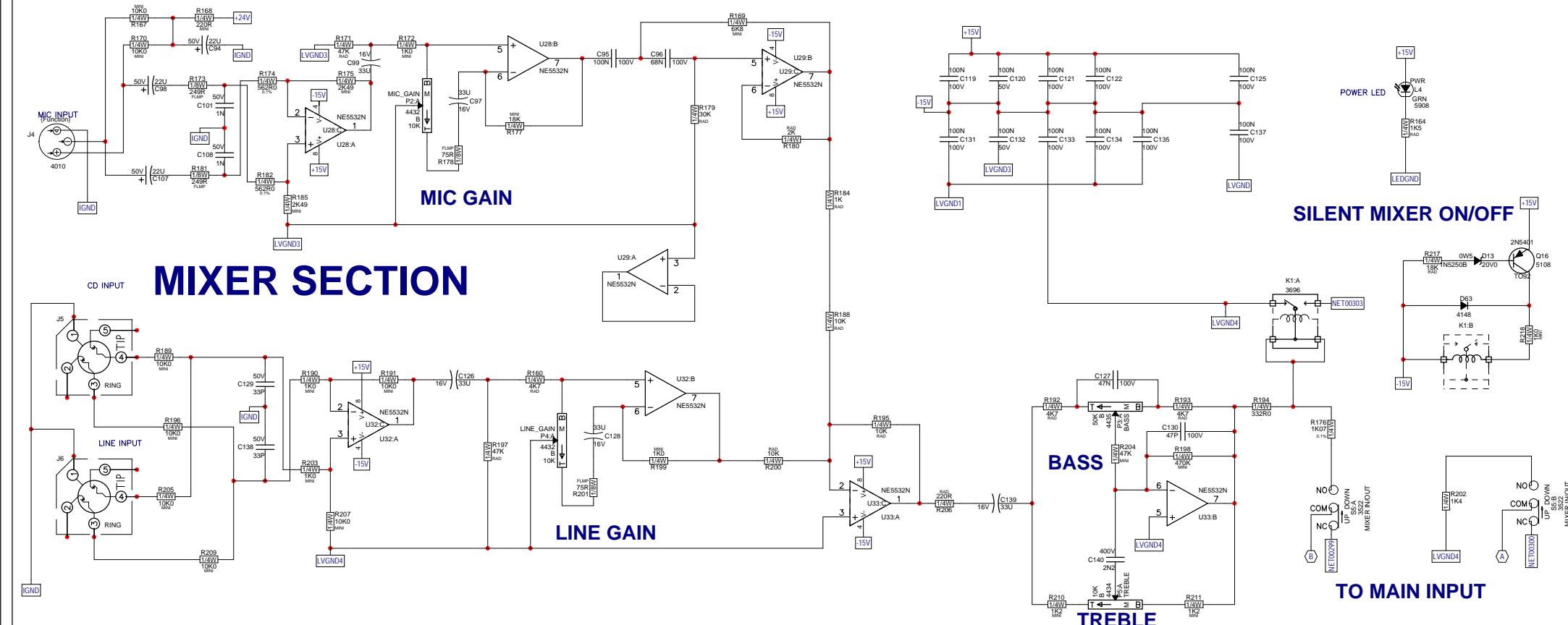


WOOFER AMP



SILENT ON/OFF





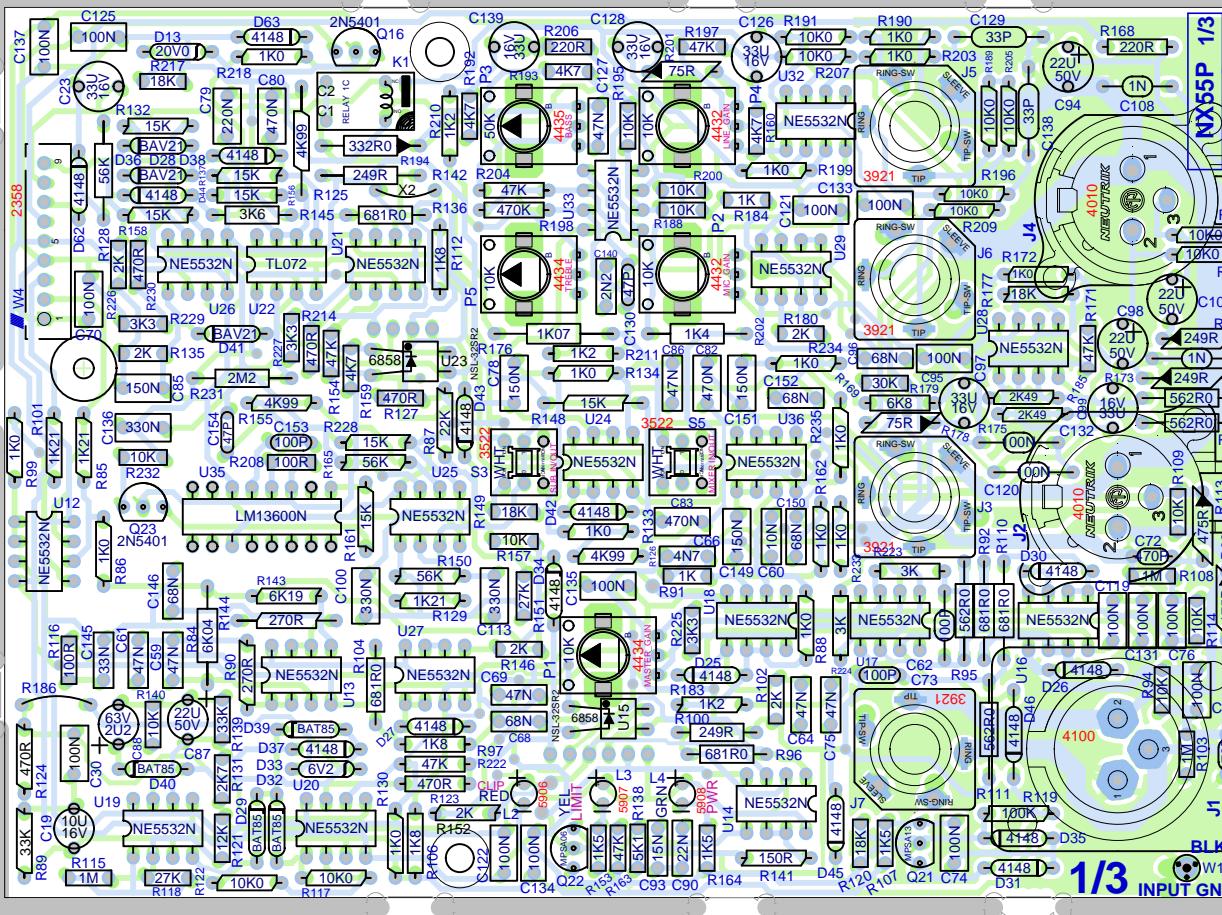
| | WITHOUT CROWBAR | | WITH CROWBAR | |
|-------------|-----------------|---------|--------------|---------|
| | N.A. | CE | N.A. | CE |
| TRANSFORMER | CH1254U | CH1254U | CH1254U | CH1254U |
| FUSE F1 | #2416 | #2417G | #2416 | #2416 |

FUSE F1

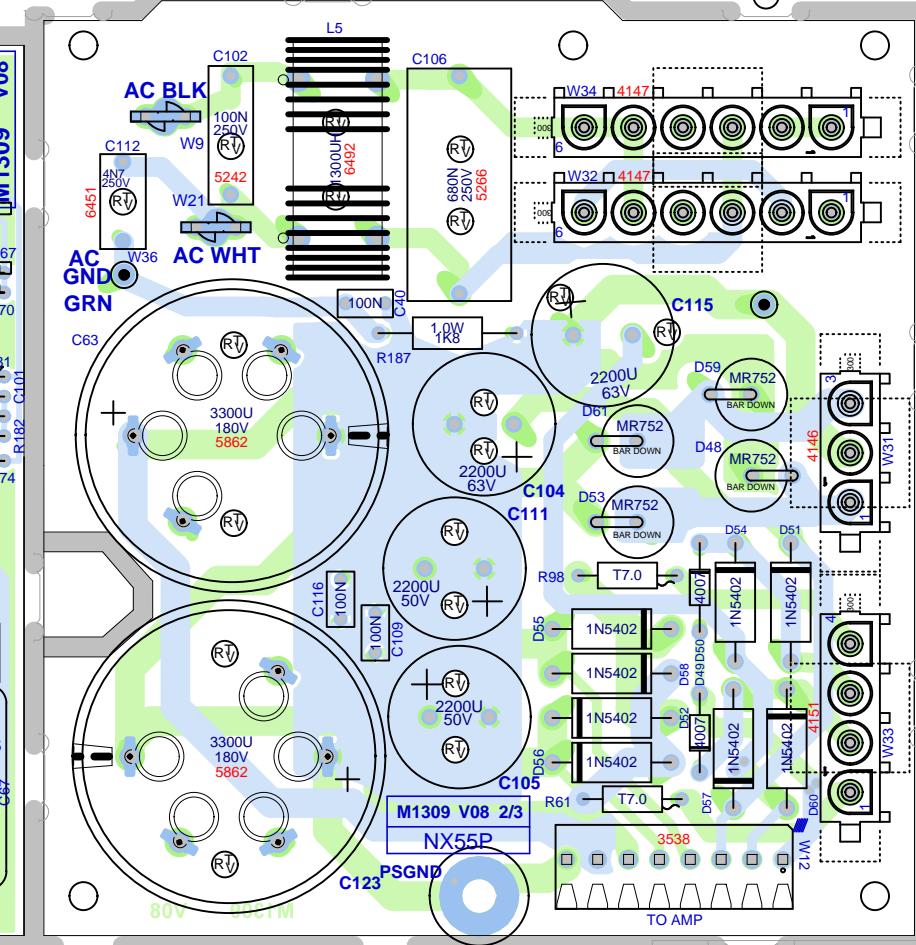
| WITHOUT CROWBAR | | WITH CROWBAR | |
|-----------------|--------------|--------------|-----------------|
| N.A. | CE | N.A. | CE |
| CH1254U | CH1254U | CH1254U | CH1254U |
| #2410 F4A | #2470 F2A | #2410 F4A | #2482 F3.15A |

M1 309B-NX55P

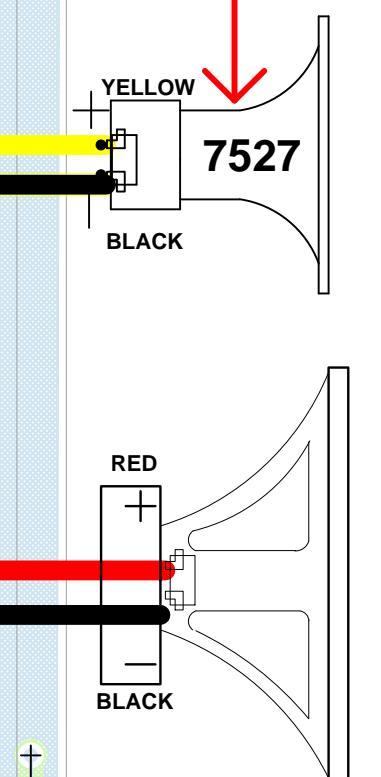
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1/3 INPUT



LAYOUT VALUES FOR 7527 DRIVER. SEE NOTE 1.



M1309B

SEE LAYOUT DOCUMENTATION

NX55P



SEE LAYOUT DIAGRAM



M1309B PRODUCTION NOTES

1. R90, R104, R116, R143, R144, C59, C61, C145, C146 HAVE UPDATED VALUES FOR THE 7527 CERAMIC DRIVER AS PER PC8300. SEE TABLE BELOW FOR DETAILS.

| | NEO DRIVER YS#7461 | CERAMIC DRIVER YS#7527 |
|------|-----------------------|---------------------------|
| R90 | 301R - YS#6150 | 270R - YS#4986 |
| R104 | 510R - YS#4691 | 681R - YS#4743 |
| R116 | 1K - YS#4934 | 100R - YS#4921 |
| R143 | 15K - YS#4979 | 6K19 - YS#4717 |
| R144 | 180R - YS#4819 | 270R - YS#4986 |
| C59 | 68N - YS#5226 | 47N - YS#5224 |
| C61 | 33N - YS#5222 | 47N - YS#5224 |
| C145 | 18N - YS#5207 | 33N - YS#5222 |
| C146 | 27N - YS#5215 | 68N - YS#5226 |

2. NOTE THAT THERE ARE SEVERAL LINES ON THE DSBOTMASK LAYER. THESE MAY BE USED FOR MARCONI TEST POINTS SO HAVE THIS LAYER ON IF DOING ANY MODIFICATIONS.

3. MAKE SURE TO RTV ALL LARGE CAPACITORS TO SOMETHING CLOSE

*****IMPORTANT*****

4. ADD AMPLE RTV UNDER ENTIRE BASE OF OUTPUT COIL L1

5. LEADS FOR 5 WATT RESISTORS MUST BE BENT ON THE MACHINE
LEAD LOOP MUST NOT BE ABOVE TOP OF RESISTOR



6. FIT #8921 FLAT WASHER BETWEEN #3501 BELL WASHER AND #8667 SHOULDER WASHER FOR Q2, Q10, U30 AND U31

7. PCBAs: ENSURE THAT #5862 CAP LEADS ARE PROPERLY INSERTED
(DO NOT PUT LEADS INTO RTV HOLES!)

8. M1309B PARTS REFERENCE TABLE

| | M1309B |
|------|---------------------------|
| C30 | #5212, 100N 63V 5% |
| C19 | #5282, 10U 16V 20% NP |
| R89 | #6122, 33K 1/4W 5% MINI |
| R124 | #4980, 470R 1/4W 5%MINI |
| R145 | #4814, 3K6 1/4W 5% |
| R152 | #6113, 2K 1/4W 5% MINI |
| R157 | #4940, 10K 1/4W 5% |
| D34 | #6825, 1N4148 75V 0A45 |
| D43 | #6825, 1N4148 75V 0A45 |
| U23 | #6858 OPTO-COUPLER |
| U15 | #6858 OPTO-COUPLER |
| X2 | #4599, 22AWG SOLID JUMPER |
| W28 | X - NO PART |
| W5 | X - NO PART |
| R186 | #4599, 22AWG SOLID JUMPER |

| | WITHOUT CROWBAR | | WITH CROWBAR | |
|-------------|-----------------|--------------|--------------|-----------------|
| | N.A. | CE | N.A. | CE |
| TRANSFORMER | CH1254 | CH1254E | CH1254 | CH1254E |
| FUSE F1 | #2410 F4A | #2470 F2A | #2410 F4A | #2482 F3.15A |



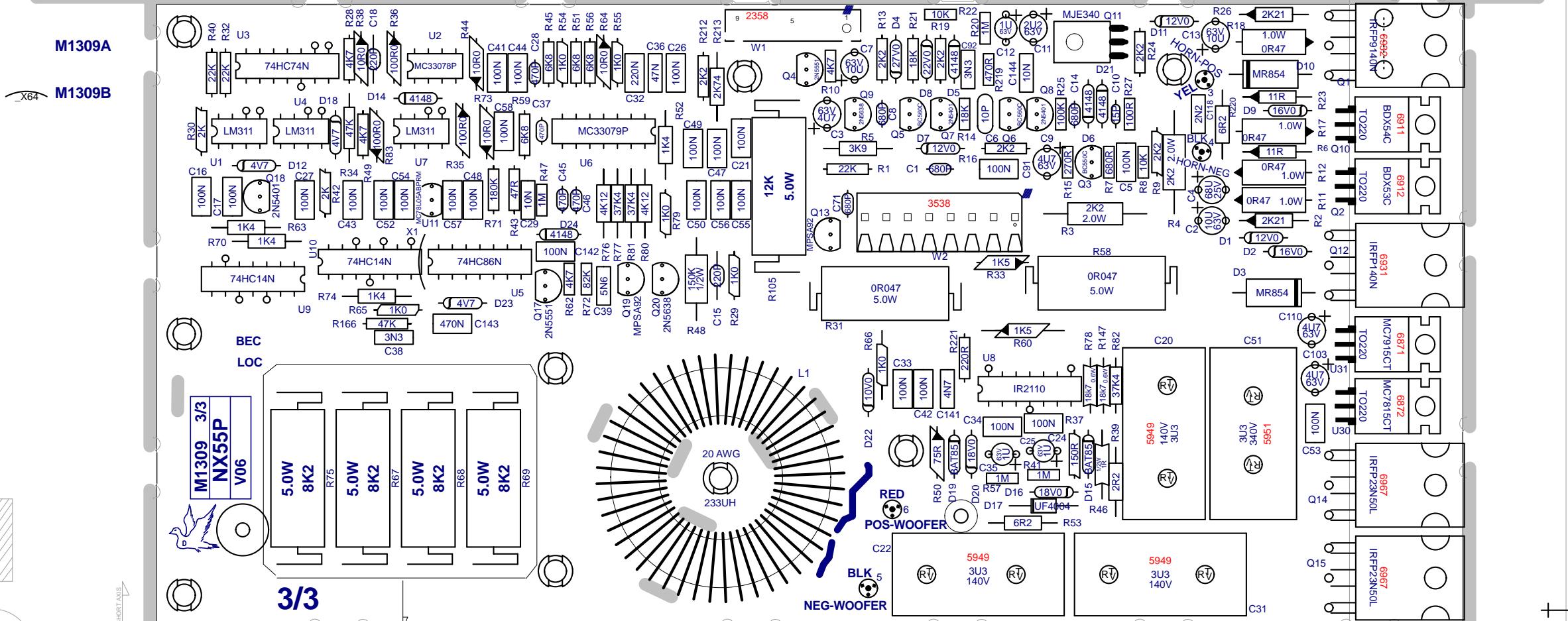
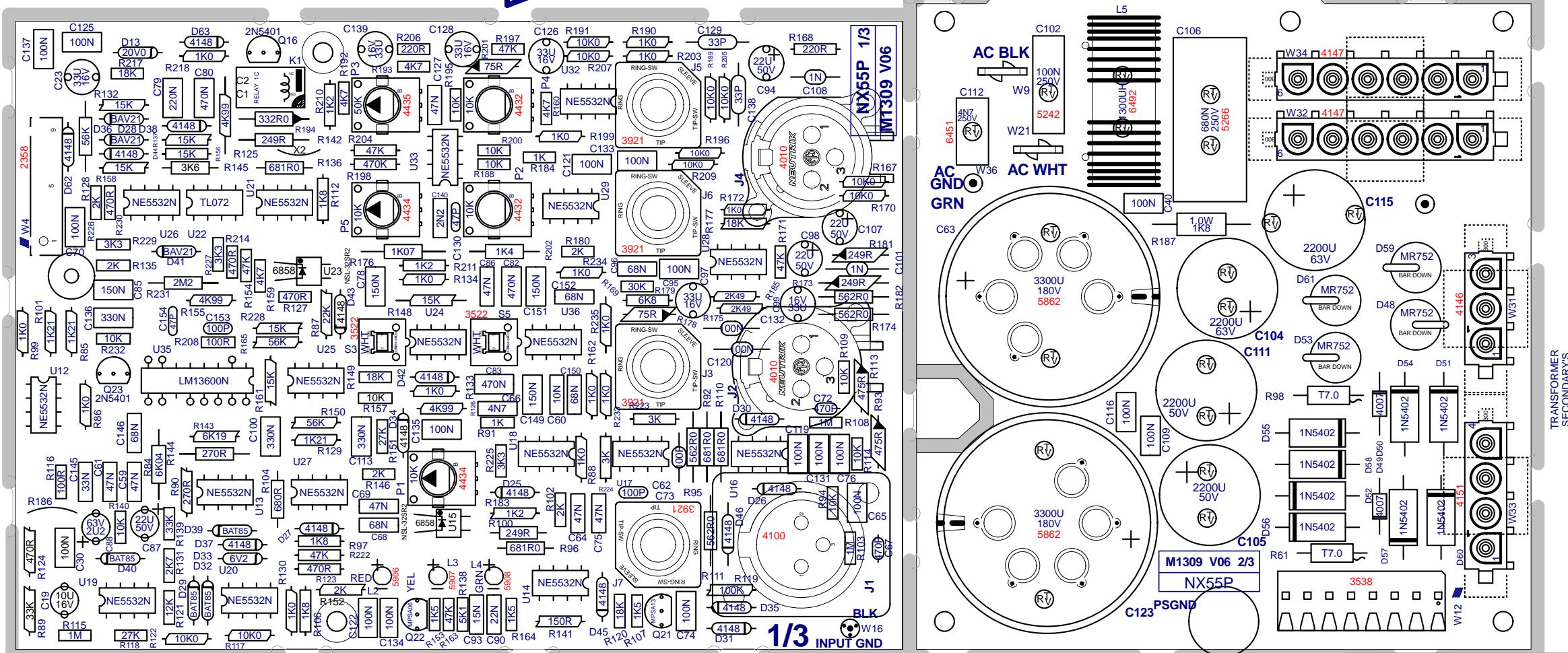
SEE LAYOUT DIAGRAM



| M1309.PCB_DATABASE_HISTORY | | | |
|----------------------------|-------------|-------|--|
| MODEL(S):- NX55P | | | |
| # | DATE | VER# | DESCRIPTION OF CHANGE |
| 1 | JULY 2005 | V1.00 | MADE FROM M1231-V.200 NX750P-ADDED 1 INCH TO PCB TO MAKE ROOM FOR NEW WOOFER LIMITER. |
| 2 | OCT-31-2005 | . | PC7003:GT:R9 #4979 15K->#6104 2K2, ADD 8921 WASHER |
| 3 | NOV-25-2005 | . | PC7042:GT:HF DRIVER #7453->#7461 |
| 4 | DEC-13-2005 | . | PC#7052:GT:Q14&Q15 6914 IRFP350->6967 IRFP23N50LPBF |
| 5 | JUN-29-2006 | V1.01 | HA, PC#7136, REPLACE R77, R81 AND R82 WITH #4686 |
| 6 | SEP-6-2006 | V2.00 | 37K4 1% 1/4W. REPLACE R78 WITH TWO #4611 |
| 7 | Oct-13-2006 | V2.00 | SE:Updated limiter for RoHS compliance |
| 8 | NOV-06-2006 | V2.01 | W5 4041->3509, W28 3616->4036 |
| 9 | . | . | PC# 7190, CE VER. R145 FROM 3K9 #4850 TO 4K7 #4827 |
| 10 | . | . | CE VER. C19 FROM IU #5254 TO 4U7 #5258 |
| 11 | . | . | W5 FROM #3509 TO #3514 |
| 12 | . | . | PC#7173, U22 FROM NE5532 #6884 TO TL072 #6882 |
| 13 | DEC-2-2006 | V2.02 | |
| M1309.PCB_DATABASE_HISTORY | | | |
| MODEL(S):- NX55P | | | |
| # | DATE | VER# | DESCRIPTION OF CHANGE |
| 1 | . | . | CHANGE R177 FROM 4K7 #4982 TO 18K #6125 |
| 2 | . | . | CHANGE C37 FROM 100N #5212 TO 470P #5201 |
| 3 | . | . | PC#7194, R129 DNS. BA PUT R129 AS SHOWN. |
| 4 | 10-JUL-2007 | V3.00 | FIX EYELET PROBLEM, PLATED & NON-PLATED HOLES |
| 5 | 17-SEP-2007 | V3.01 | PC#7289, CE VERSION ONLY, REPLACE R157 10K #4940 WITH 3K3 #4938. REPLACE D34 AND D43 1N4148 #6825 |
| 6 | . | . | WITH BAT85 #6733 |
| 7 | . | . | PC#7328, REPLACE C79 680N #5240 WITH 220N #5231 |
| 8 | . | . | CE, REPLACE R145 4K7 #4827 WITH 4K3 #4910 |
| 9 | . | . | NA, REPLACE R145 3K9 #4850 WITH 3K6 #4814 |
| 10 | 08-JAN-2008 | 3.02 | REVISED PER PC#7435 - SEE ADDITIONAL NOTES IN SHT 3 OF PDF LAYOUT |
| 11 | . | . | REVISED J2 AND J4 XLR MTG HOLES |
| 12 | 18-DEC-08 | 4.00 | |
| 13 | 25-FEB-2010 | V5.00 | REVISED TO REMOVE ALL CURRENT REWORKS |
| 14 | 05-APR-2011 | V06 | M1309B REVISED TO USE FOR BOTH N.A. AND CE POWER SUPPLY RE-LAYOUT TO ACCOMODATE |
| 15 | 30-NOV-2011 | V06 | UNIVERSAL TRANSFORMER |
| 16 | 04-SEP-2012 | V07 | PC8300 - UPDATED PARTS IN NOTCH FILTER CCT - ML PC8441 - UPDATED PATTERN ON J1. - ML |
| 17 | . | . | PC8448 - UPDATED PATTERN FOR AI TAB. - ML |
| 18 | 28-JUN-2013 | V08 | PC8545: Move AC trace, move vias. See PC. GG |
| 19 | D | V | |
| 20 | D | N | |
| 21 | D | V | |
| 22 | D | N | |
| 23 | D | V | |
| 24 | D | N | |
| 25 | D | V | |
| 26 | D | N | |
| 27 | D | V | |
| 28 | D | N | |
| 29 | D | V | |
| 30 | D | N | |
| 31 | D | V | |
| 32 | D | N | |
| 33 | D | V | |
| 34 | D | N | |
| 35 | D | V | |
| 36 | D | N | |
| 37 | D | V | |
| 38 | D | N | |
| 39 | D | V | |
| 40 | D | N | |
| 41 | D | V | |
| 42 | D | N | |
| 43 | D | V | |
| 44 | D | N | |
| 45 | D | V | |
| 46 | D | N | |
| 47 | D | V | |
| 48 | D | N | |
| 49 | D | V | |
| 50 | D | N | |
| 51 | D | V | |
| 52 | D | N | |
| 53 | D | V | |
| 54 | D | N | |
| 55 | D | V | |
| 56 | D | N | |
| 57 | D | V | |
| 58 | D | N | |
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| 60 | D | N | |
| 61 | D | V | |
| 62 | D | N | |
| 63 | D | V | |
| 64 | D | N | |
| 65 | D | V | |
| 66 | D | N | |
| 67 | D | V | |
| 68 | D | N | |
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| 270 | D | N | |
| 271 | D | V | |
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| 273 | D | V | |
| 274 | D | N | |
| 275 | D | V | |
| 276 | D | N | |
| 277 | D | V | |
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| 279 | D | V | |
| 280 | D | N | |
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| 282 | D | N | |
| 283 | D | V | |
| 284 | D | N | |
| 285 | D | V | |
| 286 | D | N | |
| 287 | D | V | |
| 288 | D | N | |
| 289 | D | V | |
| 290 | D | N | |
| 291 | D | V | |
| 292 | D | N | |
| 293 | D | V | |
| 294 | D | N | |
| 295 | D | V | |
| 296 | D | N | |
| 297 | D | V | |
| 298 | D | N | |
| 299 | D | V | |
| 300 | D | N | |
| 301 | D | V | |
| 302 | D | N | |
| 303 | D | V | |
| 304 | D | N | |
| 305 | D | V | |
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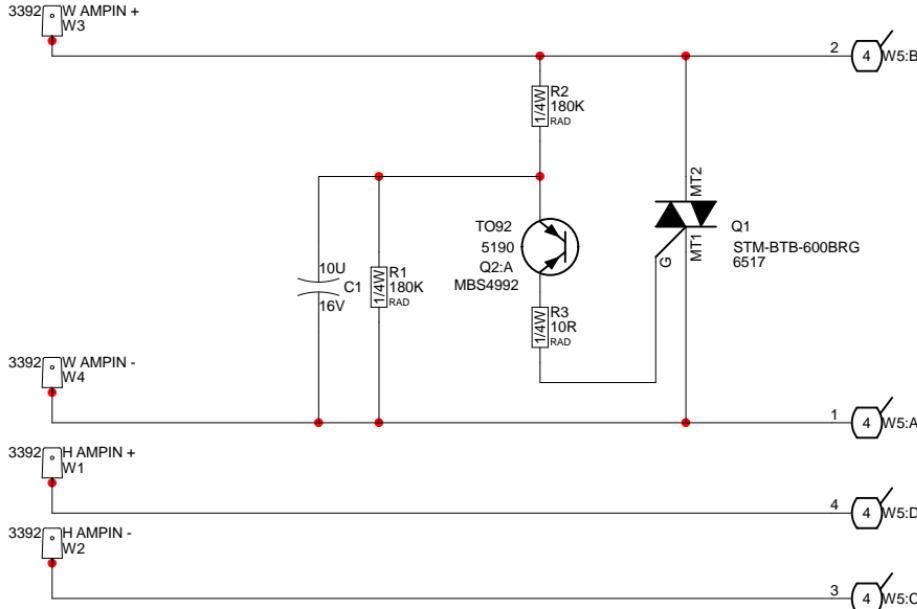
M1309B-NX55P

 Into Wave



SEE NOTE 5 BlankSize - 12000x10000

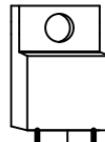
M1309 V06



| M1369 PCB_DATABASE_HISTORY | | | |
|----------------------------|-------------|----------|--------------------------------------|
| MODEL(S):- | | CROW BAR | |
| # | DATE | VER# | DESCRIPTION OF CHANGE |
| 1 | 28-NOV-2007 | 1.00 | FIRST DESIGN |
| 2 | 02-JUN-2008 | 2.00 | UPDATE TABS |
| 3 | 19-JAN-2009 | 3.00 | CHANGE THE BECLOC HOLE TO NON PLATED |
| 4 | 06-MAY-2011 | V04 | Reduce size of the panel. - GG |
| 5 | 28-JUN-2012 | V05 | PC8448: Updated tab pattern - ML |
| 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 |

LEAD/PIN REFERENCE

STM-BTB-600BRG



MBS4992



MT1 G MT2

TO-92

TO-220



Product

CROWBAR

MAIN

PCB# M1369

Sheet 1 of 2

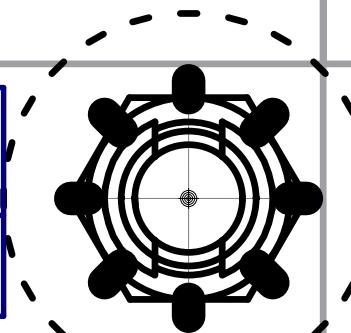
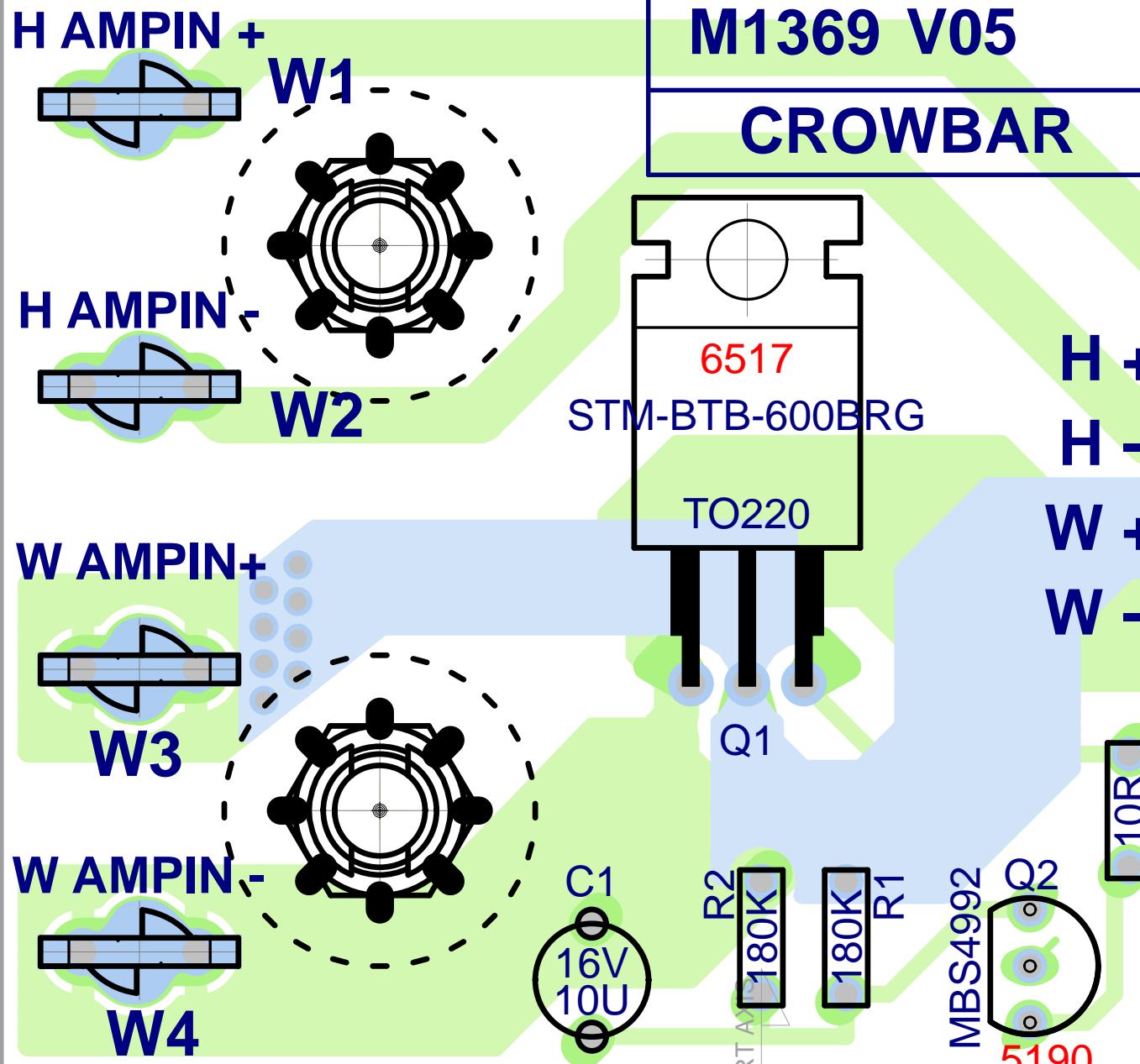
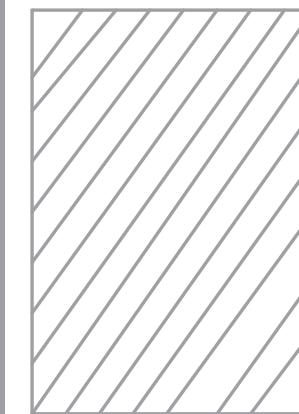
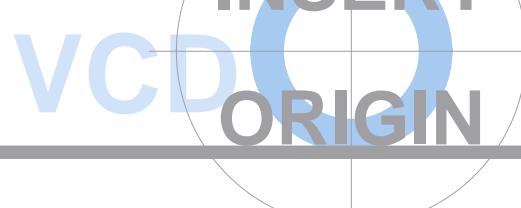
Date: Thu Jun 28, 2012

Rev: V05

YsType: YsType

Filename: M1369V05.sch2006

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M1369 V05



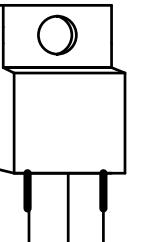
SEE LAYOUT DIAGRAM



| M1369 PCB_DATABASE_HISTORY | | | |
|----------------------------|-------------|------|--------------------------------------|
| MODEL(S):- CROW BAR | | | |
| # | DATE | VER# | DESCRIPTION OF CHANGE |
| 1 | 28-NOV-2007 | 1.00 | FIRST DESIGN |
| 2 | 02-JUN-2008 | 2.00 | UPDATE TABS |
| 3 | 19-JAN-2009 | 3.00 | CHANGE THE BECLOC HOLE TO NON PLATED |
| 4 | 06-MAY-2011 | V04 | Reduce size of the panel. - GG |
| 5 | 28-JUN-2012 | V05 | PC8448 - Updated tab pattern - ML |
| 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 |

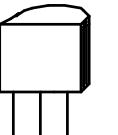
LEAD/PIN REFERENCE

STM-BTB-600BRG



MT1 G MT2
TO-220

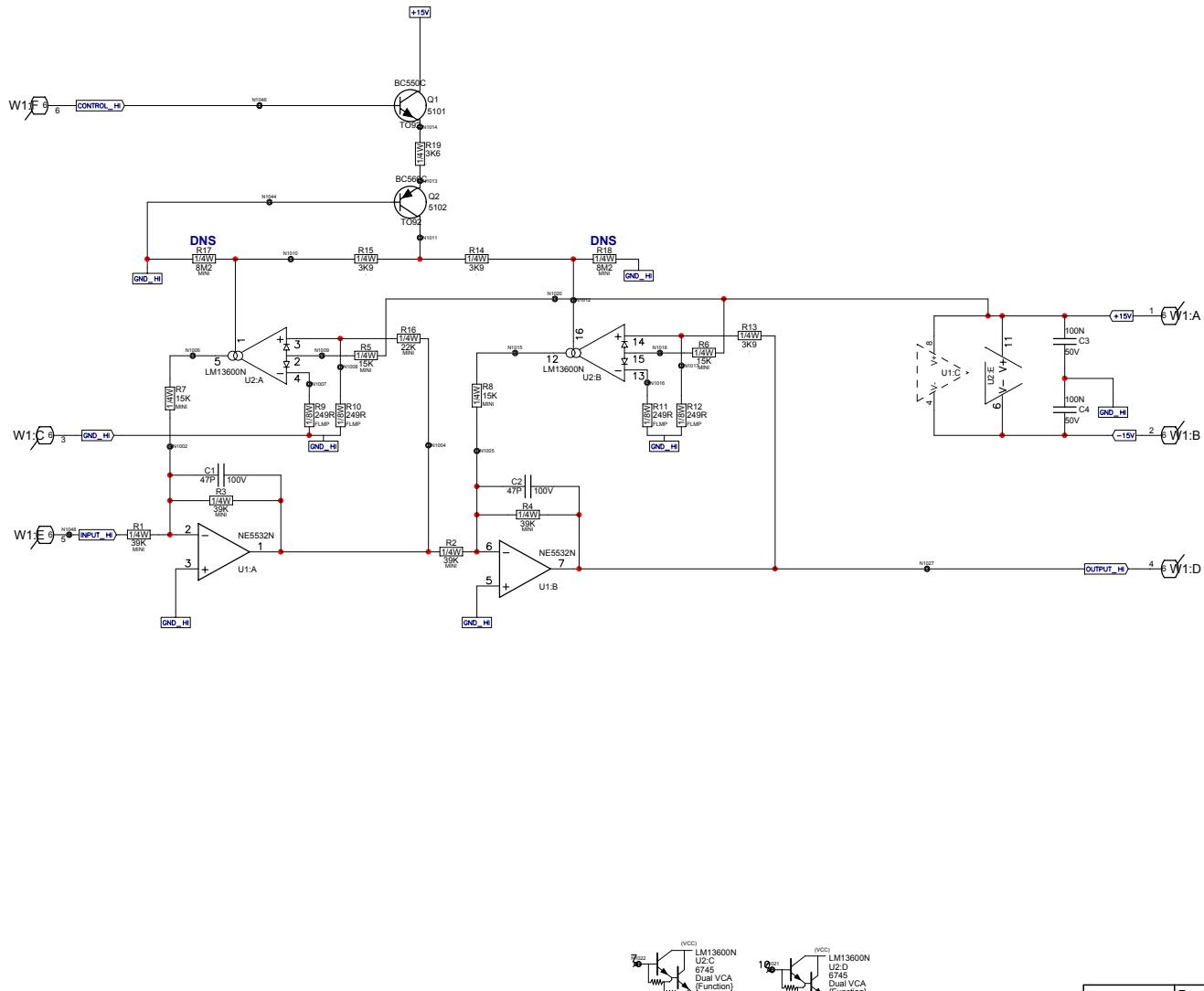
MBS4992



MT1 G MT2
TO-92

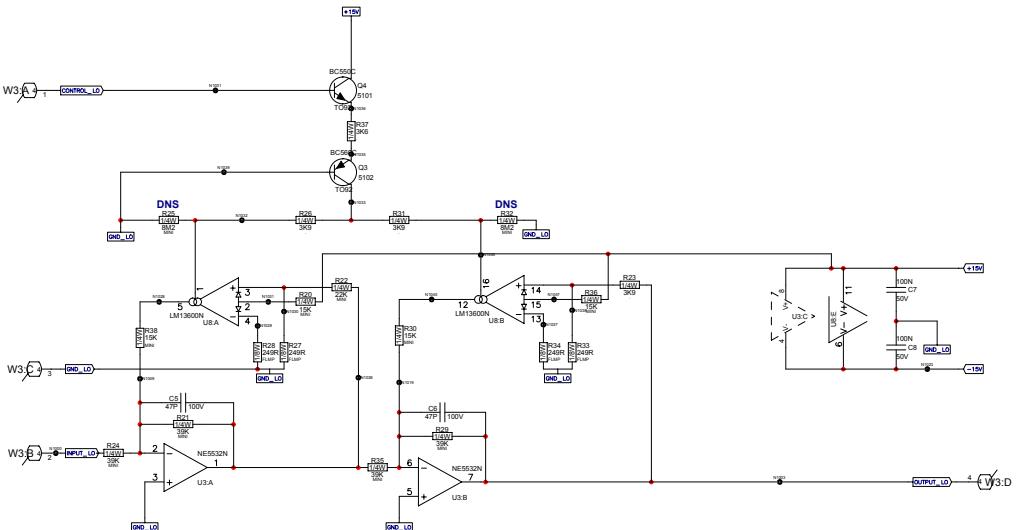
M1369 V05 PRODUCTION NOTES

1. USE #8799, #6 1/4 PAN SCREW FOR TRIAC Q1



Product RoHS Limiter

| Limiter_HI | PCB# M1339 | Sheet 1 of 3 |
|----------------------------------|------------|---------------|
| Date: Wed Mar 28, 2007 | Rev:1V10 | YsType:YsType |
| Filename: M1339-1V10.sch.sch2002 | | |

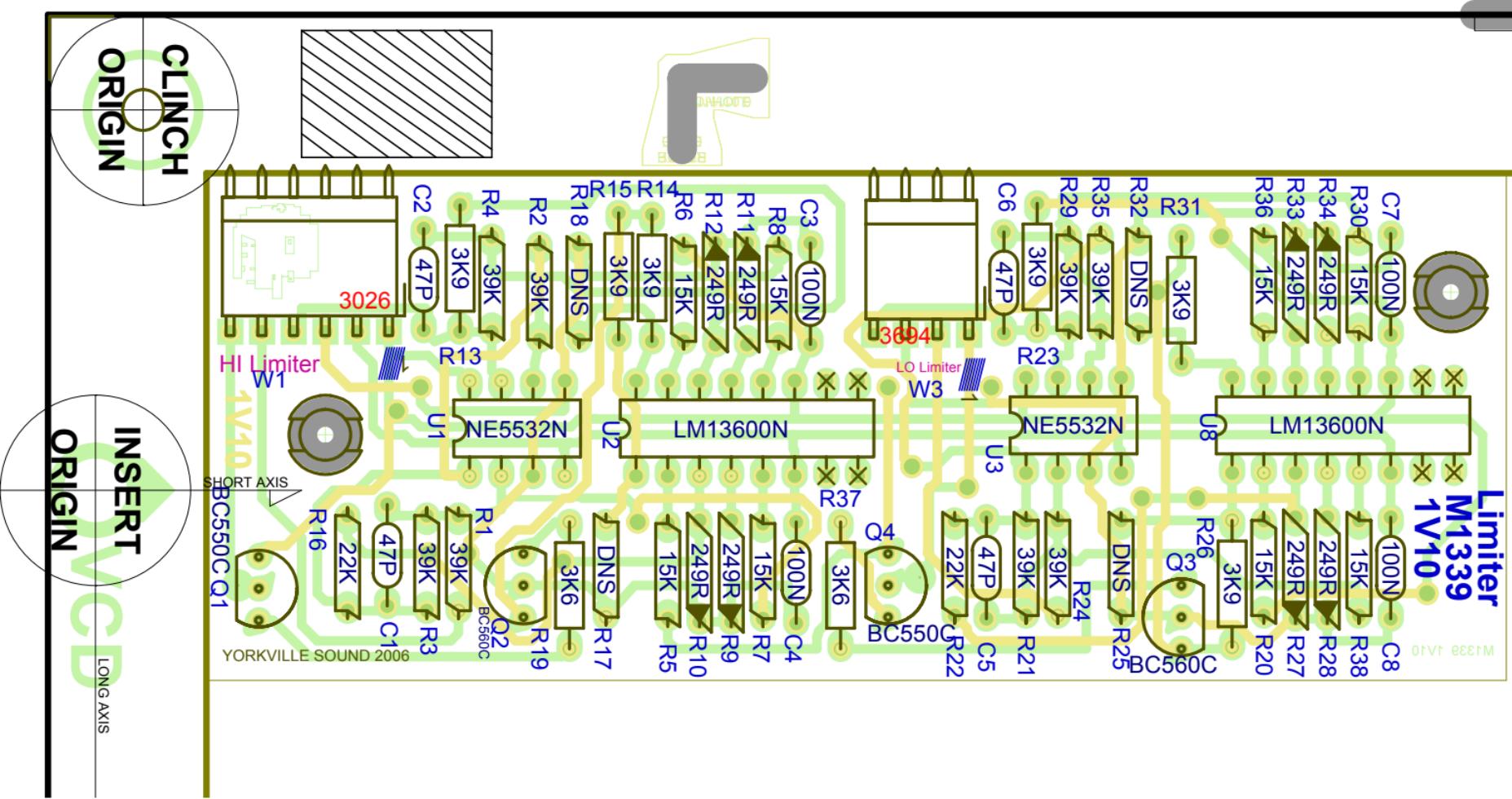


Product **RoHS Limiter**

Limiter_L0 PCB# M1339 Sheet 2 of 3

Date: Wed Mar 28, 2007 Rev:V10 YsType:YsType

Filename: M1339-1V10.sch.sch2002



PRODUCTION NOTES

1. Do not stuff parts R17,18,25,32

SEE LAYOUT DIAGRAM

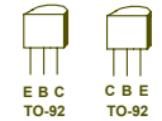
| M____.PCB_DATABASE_HISTORY | | | | |
|----------------------------|-----------|-------|------------------------------------|--|
| MODEL(S):- | | MODEL | | |
| # | DATE | VER# | DESCRIPTION OF CHANGE | |
| 1 | 19SEP2006 | 1V00 | FIRST PROTO | |
| 2 | 20OCT2006 | 1V10 | ADDED BEC LOC | |
| 3 | 24JAN2008 | | PC 7447, CHANGE W1, #3661 TO #3026 | |
| 4 | D | V | | |
| 5 | D | V | N | |
| 6 | D | V | N | |
| 7 | D | V | N | |
| 8 | D | V | N | |
| 9 | D | V | N | |
| 10 | D | V | N | |
| 11 | D | V | N | |
| 12 | D | V | N | |
| 13 | D | V | N | |
| 1 | D | V | N | |
| 2 | D | V | N | |
| 3 | D | V | N | |
| 4 | D | V | N | |
| 5 | D | V | N | |
| 6 | D | V | N | |
| 7 | D | V | N | |
| 8 | D | V | N | |
| 9 | D | V | N | |
| 10 | D | V | N | |
| 11 | D | V | N | |
| 12 | D | V | N | |
| 13 | D | V | N | |
| 1 | D | V | N | |
| 2 | D | V | N | |
| 3 | D | V | N | |
| 4 | D | V | N | |
| 5 | D | V | N | |
| 6 | D | V | N | |
| 7 | D | V | N | |
| 8 | D | V | N | |
| 9 | D | V | N | |
| 10 | D | V | N | |
| 11 | D | V | N | |
| 12 | D | V | N | |
| 13 | D | V | N | |

| M____.PENDING CHANGES | | | | |
|-----------------------|-----|----------------|--|--|
| MODEL(S):- | | MODEL | | |
| # | PC# | PENDING CHANGE | | |
| 1 | PC | X | | |
| 2 | PC | X | | |
| 3 | PC | X | | |
| 4 | PC | X | | |
| 5 | PC | X | | |
| 6 | PC | X | | |

| PLACE IMPLEMENTED CHANGES INTO BOARD HISTORY | | | | |
|--|----------|-------|------|-------|
| {TITLE} | | | | |
| {MODEL} | | | | |
| REF | FUNCTION | PART# | KNOB | {NEW} |
| R | F | P | K | N |
| R | F | P | K | N |
| R | F | P | K | N |
| R | F | P | K | N |
| R | F | P | K | N |
| R | F | P | K | N |
| R | F | P | K | N |
| R | F | P | K | N |

LEAD/PIN REFERENCE

MPSA56 BC560C
MPSA06 BC550C



E B C
TO-92

C B E



YS#9916 Gray Knob (qty: 1)



YS#9917 Green Knob (qty: 2)



YS#89915 Red Knob (qty: 2)

| YS # | Description | Qty. | YS # | Description | Qty. | YS # | Description | Qty. | YS # | Description | Qty. |
|------|-------------------------------------|------|--------------|--------------------------------------|-------|------|-------------------------------------|------|---------|-------------------------------------|------|
| 5906 | IRED 3MM LED 1V9 20MA 4SPCR T&R | 1 | 5254 | _1U 63V 20%CAP T&R 4X7MM .2EL | 1 | 2019 | 1/8W 100R 1%FLAME PROOF T&R RES | 3 | 8832 | 6-32 X 1/4 PAN PH TAPITTE JS500 | 2 |
| 5907 | YEL 3MM LED 1V9 20MA 4SPCR T&R | 1 | 5255 | _1U 63V 20%CAP T&R RAD .2EL | 2 | 4921 | 1/4W 100R 5% .2U T&R RES | 3 | 8801 | 6-32 X 3/8 PAN PH TAPITTE JS500 | 19 |
| 5908 | GRN 3MM LED 1V9 20MA 4SPCR T&R | 1 | 5257 | _2U 63V 20%CAP T&R RAD .2EL | 2 | 4984 | 1/4W 150R 5%MINI T&R RES | 2 | 8829 | 6-32 X 3/8 FLAT PH TAPITTE BO/C HEA | 4 |
| 6425 | BAV21 200V 0A25 DIODE T&R | 3 | 5949 | _3U 140AC10%CAP BLK RAD POLYP FLM | 3 | 4944 | 1/4W 220R 5% .2U T&R RES | 1 | 8796 | 6-32 X 5/8 PAN PH TAPITTE ZINC | 11 |
| 6825 | INA1418 75V 0A5 DIODE T&R | 21 | 5951 | _3U 250DC10%CAP BLK MPOLYP FLM | 1 | 4977 | 1/4W 220R 5%MINI T&R RES | 2 | 8803 | 8-32 X 3/8 PAN PH TAPITTE JS500 | 7 |
| 6892 | UF4004 200V 1A0 DIODE ULTRAFAS | 1 | 5258 | _4U7 63V 20%CAP T&R 8X7MM .2EL | 4 | 2024 | 1/6W 249R 2%FLAME PROOF T&R RES | 2 | 8804 | 8-32X1.25 PAN PH MS ZINC CLEAR | 4 |
| 6438 | IN4007 1000V 1A0 DIODE T&R | 2 | 5282 | _10U 16V 20%CAP T&R 5X7MM .2NP | 2 | 4770 | 1/4W 249R 1% .2U T&R RES | 2 | 8762 | 10-32 X1/2 TRUSS QUAD TAPITTE JS500 | 4 |
| 6827 | IN5402 200V 3AO DIODE | 8 | 5945 | _10U 63V 20%CAP T&R RAD .2EL | 3 | 4945 | 1/4W 270R 5% .2U T&R RES | 1 | 8912 | 10-32 X 1 FLAT PHL MS JS500 BLK | 4 |
| 6934 | MR854 400V 3AO DIODE FASREC | 2 | 5260 | _22U 50V 20%CAP T&R RAD .2EL | 1 | 4966 | 1/4W 270R 5%MINI T&R RES | 2 | 8786 | 10-32 X 1 1/4 PAN QD MS JS500 BLACK | 14 |
| 6421 | MR752 200V 6A0 DIODE | 4 | 5631 | _22U 50V 20%CAP T&R 6X7MM .2EL | 3 | 2026 | 1/4W 332R0 1%FLAME PROOF T&R RES | 1 | 9988 | 10-32 X 1 1/4 SCREW W WASHER SUBASS | 18 |
| 6733 | BAT85 30V 0A2 DIODE SCHOT T&R | 6 | 5961 | _33U 16V 20%CAP T&R RAD .2IN NP | 6 | 4933 | 1/4W 470R 5% .2U T&R RES | 4 | 8751 | 10-32 X 2 PAN QUAD MS JS500 | 3 |
| 6426 | IN5254B 27V0 0W5 ZENER 5% T&R | 1 | 5265 | _68U 25V 20%CAP T&R RAD .2EL | 1 | 4980 | 1/4W 470R 5%MINI T&R RES | 1 | 8926 | 5/16-18X3 CARRIAGE BOLT BLACK | 1 |
| 6433 | IN5248B 18V0 0W5 ZENER 5% T&R | 2 | 5887 | _2200U 50V 20%CAP BLK 18X27MM EL | 2 | 2028 | 1/6W 475R 1%FLAME PROOF T&R RES | 2 | 8935 | 1/4-20 X 23MM JOINT CON. BOLT □/O | 4 |
| 6436 | IN753ARL 6V2 0W5 ZENER 5% T&R | 1 | 5912 | _2200U 63V 20%CAP RADIAL ELECT BULK | 2 | 5014 | 1/4W 562R 0.1% *** T&R RES | 4 | 8847 | 1/4-20 X 1/4 FLAT PH MS JS500 | 4 |
| 6440 | IN750ARL 4V7 0W5 ZENER 5% T&R | 3 | 5862 | _3300U 180V 20%CAP RAD 40X50MM 5PIN | 2 | 4923 | 1/4W 680R 5% .2U T&R RES | 1 | 10016 | M6 X 8 PAN PHILIPS M/S CLEAR ZINC | 4 |
| 6450 | IN5242B 12V0 0W5 ZENER 5% T&R | 3 | 4432 | _10K B LIN 9MM P32 | 2 | 4743 | 1/4W 681R 0.1% *** T&R RES | 5 | 3751 | SNAP IN 5/16 SPACER RICHCO | 11 |
| 6461 | IN5240BRL 10V0 0W5 ZENER 5% T&R | 1 | 4434 | _10K B LIN 9MM DETENT P32 | 2 | 4934 | 1/4W 1K 5% .2U T&R RES | 2 | 3851 | 1/2 PCB PLASTIC SPACER | 6 |
| 6463 | IN5251BRL 22V0 0W5 ZENER 5% T&R | 1 | 4435 | _50K B LIN 9MM DETENT P32 | 1 | 6110 | 1/4W 1K 1%MINI MF T&R RES | 21 | 3859 | 1/2 PLASTIC HEX SPACER #4 | 2 |
| 6465 | IN5250B 20V0 0W5 ZENER 5% T&R | 1 | 6492 | 1300UH COIL COMMON MODE 4AMP | 1 | 4996 | 1/4W 1K070 0.1% *** T&R RES | 1 | 7526 | 12" 4R 450WPGM CER SPEAKER | 1 |
| 6824 | IN5248B 16V0 0W5 ZENER 5% T&R | 2 | 5843 | ADAPTOR SPEAKER STAND METAL BLACK | 1 | 4585 | 1/4W 1K2 .5%MINI T&R RES | 3 | 8885 | NEOPRENE EMINENCE DRIVER GASKET | 1 |
| 6728 | MC78L05ACP TO92 P 5V0 REG TR V4 | 1 | 8538 | RUBBER FOOT 1.375 X 1.375 | 3 | 6111 | 1/4W 1K21 1%MINI MF T&R RES | 3 | 8667 | SHOULDER WASHER SWS-229 LENGTH 1/8 | 4 |
| 6671 | MC7915CT TO220 NPN REG V2 | 1 | ZC453 | M1158/59/1231/1309 HEATSPREADER | 1 | 4769 | 1/4W 1K4 1% .2U T&R RES | 5 | 8489 | 1/4-20 SPLIT WASHER BLACK OXIDE | 8 |
| 6872 | MC7815CT TO220 P 5V0 REG V1 | 1 | 3485 | CLIP 250X032 18-22AWG RIGHT ANGL | 4 | 2034 | 1/8W 1K5 5%FLAME PROOF T&R RES | 2 | 8482 | 3/8 1D FLAT WASHER | 4 |
| 5101 | BC550C TO92 NPN TRAN T&R TB | 1 | 3489 | CLIP 250X032 18-22AWG DISCO/INSL | 7 | 4935 | 1/4W 1K5 5% .2U T&R RES | 3 | 8995 | 3/8" STEEL FLAT WASHER,BLACK | 5 |
| 5102 | BC560C TO92 PNP TRAN T&R TB | 2 | 3490 | CLIP 250X032 14-16AWG DISCO/INSL | 7 | 4683 | 1.0W 1K8 5% T&R RES | 1 | 8492 | 7/16" SPLIT LOCK WASHER CLEAR ZINC | 5 |
| 5103 | MPSA06 TO92 NPN TRAN T&R TA | 1 | 3788 | QUICKON MALETAB | 1 | 6105 | 1/4W 1K8 .5%MINI T&R RES | 3 | 8921 | #3MM ID.2MM OD.7MM THICK 5MM | 4 |
| 5107 | 2N5551 TO92 NPN TRAN T&R TA | 2 | 3921 | 1/4" JCK PCB MT VERT STER RT SWT | 4 | 4946 | 1/4W 2K 5% .2U T&R RES | 5 | 3522 | DPDT MINI PC VERT SNP ALT | 2 |
| 5108 | 2N5401 TO92 PNP TRAN T&R TA | 5 | 4010 | XLR FEMI PCB MT VERT 24MM AA-SERIES | 2 | 6113 | 1/4W 2K .5%MINI T&R RES | 3 | 3585 | DPDT ROKR SW QUIK 250° AC/PWR IEC65 | 1 |
| 5114 | MPSA92 TO91 PNP TRAN T&R TA | 2 | 4100 | XLR MALE PCB MT VERT | 1 | 4705 | 2.0W 2K2 5% T&R RES | 2 | 3392 | 250 MALE TAB .2IN T&R | 6 |
| 5105 | MPSA13 TO92 PNP DARL T&R TA | 1 | 3069 | PATCH 0.8 18AWG 20.156 TWISTED | 1 | 6104 | 1/4W 2K2 .5%MINI T&R RES | 6 | 3887 | ADHESIVE LINED GROMMET EDGING | 0.35 |
| 5119 | J111 TO92 NCH JFET T&R TC | 2 | 2358 | 9 CIR XH-HEADER 0.098IN | 2 | 2035 | 1/4W 2K21 1%FLAME PROOF T&R RES | 2 | 3395 | THERMO/BRKR/N/CLOSED OPEN@82C | 1 |
| 6873 | MJE340 TO126NPN TRAN TG | 1 | 3061 | PATCH 0.9 22AWG 10.0 XH FLAT | 1 | 6114 | 1/4W 2K49 1%MINI MF T&R RES | 2 | CH1254U | XFRM:NX55P | 1 |
| 6911 | BDX54C TO220 PNP TRAN DARL TE | 1 | 3070 | PATCH 0.9 18AWG NX55P TWISTPAIR | 1 | 4936 | 1/4W 2K7 5% .2U T&R RES | 1 | | | |
| 6912 | BDX53C TO220 NPN TRAN DARL TE | 1 | 2899 | CORE-FERRITE | 2 | 4764 | 1/4W 2K74 0.1% *** T&R RES | 1 | | | |
| 6931 | IRFP140N TO247 NCH MFET TM | 1 | 4095 | EMI FILTER FOR RIBBON CABLE | 2 | 6124 | 1/4W 3K 5%MINI T&R RES | 2 | | | |
| 6932 | IRFP9140N TO247 PCH MFET TM | 1 | 3482 | LOWPROFILE FUSEHOLDER 1/4" BUSSMANN | 1 | 4938 | 1/4W 3K3 5% .2U T&R RES | 3 | | | |
| 6967 | IRFP23N50LPBF MOSFET N-CN 500V -247 | 2 | 2410 | .40 AMP FAST-BLO.25X1.25 FUSE | 1 | 4814 | 1/4W 3K6 5% T&R RES | 1 | | | |
| 6804 | MC33079P IC QUAD OP AMP | 1 | 2487 | .70 AMP SLO-BLO T&R FUSE | 2 | 4850 | 1/4W 3K9 5% T&R RES | 1 | | | |
| 6840 | MC33078P IC DUAL OP AMP | 1 | 7527 | .8R 40W 1.000 DRIVER CDX1-1445 CER | 1 | 4756 | 1/4W 4K12 0.1% *** T&R RES | 2 | | | |
| 6882 | TL702CP IC FET DUAL OP AMP | 1 | 3501 | B52200F006 COMP WASH #4 SMALL | 9 | 4943 | 1/4W 4K7 5% .2U T&R RES | 6 | | | |
| 6884 | NE5532N IC DUAL OP AMP | 18 | 8933 | 14-20 INSIDE 7/16-20 UNF FLATALLEN | 5 | 4982 | 1/4W 4K7 .5%MINI T&R RES | 2 | | | |
| 6640 | LM311 IC VOLTAGE COMPARATOR | 3 | 8938 | 1/4-20 X 10MM INSERT NUT, TYPE D | 8 | 6128 | 1/4W 4K99 1%MINI MF T&R RES | 3 | | | |
| 6745 | LM13600N IC XCONDUCTANCE AMP | 1 | 3645 | AC SOCKET RECEPTACLE WITH 0.250 TAB | 1 | 4939 | 1/4W 5K1 5% .2U T&R RES | 1 | | | |
| 6887 | IR2110 IC HILO FET DRIVER | 1 | 3803 | NYLON SECUR-A-TACH MINI PLASTIC TIE | 1 | 5001 | 1/4W 6K01 1% T&R RES | 1 | | | |
| 6603 | 74HC14N IC HEX INV SCHMID | 2 | 3810 | 4" NYLON CABLE TIE | 12 | 4717 | 1/4W 6K19 1%MINI T&R RES | 1 | | | |
| 6605 | 74HC86N IC QUAD 2INP XOR | 1 | 3841 | 5.5" NYLON CABLE TIE | 2 | 4978 | 1/4W 6K8 .5%MINI T&R RES | 5 | | | |
| 6964 | 74HC74N IC DUAL FLIPFLOP | 1 | 3852 | STICK ON CABLE WRAP ANCHOR | 1 | 4665 | 5.0W 8K2 5% BLK RES | 4 | | | |
| 5190 | MBS4992 TO98 8V5 DIAC T&R | 1 | 3538 | 24 PIN BREAKAWAY LOCK .156 | 0.833 | 4940 | 1/4W 10K 5% .2U T&R RES | 11 | | | |
| 6517 | BTB24-602 TO220AB 25MA TRIAC 600V | 1 | 4146 | 3 PIN POWER PIN HEADER MALE POLZED | 1 | 6116 | 1/4W 10K0 1%MINI MF T&R RES | 10 | | | |
| 6858 | NSL-32SR2 OPTO-COUPLER LDR | 2 | 4151 | 4 PIN POWER PIN HEADER MALE POLZED | 1 | 4768 | 5.0W 12K 5% BLK RES | 1 | | | |
| 5401 | .10P 500V 5%CAP T&R RAD CER.2NPO | 1 | 4147 | 6 PIN POWER PIN HEADER MALE POLZED | 2 | 4953 | 1/4W 12K 5% .2U T&R RES | 1 | | | |
| 5817 | .15P 100V 2%CAP T&R RAD CER.2NPO | 1 | 8632 | KNOB ROUND PUSHBUTTON 1/4" GREY | 2 | 4979 | 1/4W 15K 5%MINI T&R RES | 7 | | | |
| 5406 | .33P 50V 10%CAP BLK BEAD NPO | 2 | 9915 | KNOB 0-DEG RED SOFT GRAY RIB | 2 | 4954 | 1/4W 18K 5% .2U T&R RES | 4 | | | |
| 5203 | .47P 100V 2%CAP T&R RAD CER.2NPO | 2 | 9916 | KNOB 0-DEG GRY SOFT GRAY RIB | 1 | 6125 | 1/4W 18K 5%MINI T&R RES | 2 | | | |
| 5199 | .10P 100V 2%CAP T&R BEAD NPO | 1 | 9917 | KNOB 0-DEG GRN SOFT GRAY RIB | 2 | 4611 | 0.6W 18K7 1% MF T&R RES | 2 | | | |
| 5410 | .10P 100V 10%CAP T&R BEAD NPO | 1 | 3426 | 8' 3/16 SJT AC LINE CORD REMOVBL-CSA | 1 | 6118 | 1/4W 22K 5%MINI T&R RES | 4 | | | |
| 5412 | .22P 100V 10%CAP T&R BEAD NPO | 2 | 2364 | HEYCO LOCKIT STRAIN RELIEF 1852 | 1 | 4956 | 1/4W 27K 5% .2U T&R RES | 2 | | | |
| 5201 | .47P 100V 5%CAP T&R RAD CER.2NPO | 6 | 8240D | LOGO YORKVILLE SMALL BLUE DOMED | 1 | 4941 | 1/4W 30K 5% .2U T&R RES | 1 | | | |
| 5816 | .68OP 100V 5%CAP T&R RAD CER.2NPO | 4 | 3792CORE | 77091-A7 KOOL-MU TOROID CORE | 1 | 4947 | 1/4W 33K 5% .2U T&R RES | 1 | | | |
| 5422 | .1N 10V 10%CAP T&R BEAD NPO | 2 | 3786 | .233UH CHOKE 80T20AWG/77091MAGNTKS | 1 | 6122 | 1/4W 33K .5%MINI T&R RES | 1 | | | |
| 5208 | .2N2 400V 5%CAP T&R RAD .2FLM | 2 | 8701 | 4-40 KEPS NUT ZINC | 9 | 4686 | 1/4W 37K4 1% METAL FILM T&R RES | 3 | | | |
| 5275 | .3N3 100V 5%CAP T&R RAD .2FLM | 2 | 8800 | 6-32 KEPS NUT ZINC | 2 | 4927 | 1/4W 47K 5% .2U T&R RES | 4 | | | |
| 5209 | .4N7 250V 5%CAP T&R RAD .2FLM | 2 | 9931 | 6-32 NYLON INSERT LOCK NUT | 1 | 6119 | 1/4W 47K .5%MINI T&R RES | 4 | | | |
| 6451 | .4N7 250V 20%CAP BLK Y" 10MM AC | 1 | 8787 | 8-32 KEPS NUT ZINC | 3 | 4835 | 1/4W 56K 5% T&R RES | 1 | | | |
| 5271 | .5N6 100V 5%CAP T&R RAD .2F | 1 | 8939 | 10-32 X 10MM INSERT NUT, TYPE D | 37 | 5018 | 1/4W 56K .5%MINI T&R RES | 2 | | | |
| 5204 | .10N 100V 10%CAP T&R RAD .2FLM | 3 | 8797 | 5/16-18 KEPS NUT JS500 | 1 | 4929 | 1/4W 82K 5% .2U T&R RES | 1 | | | |
| 5205 | .15N 100V 10%CAP T&R RAD .2FLM | 1 | 8934 | 7/16-20 UNF HEX NUT GRD 5 CLEAR ZINC | 5 | 4942 | 1/4W 100K 5% .2U T&R RES | 1 | | | |
| 5210 | .22N 100V 10%CAP T&R RAD .2FLM | 1 | 3884 | SARCON THERMAL GASKET 4.55"X1.00" | 1 | 6120 | 1/4W 100K .5%MINI T&R RES | 1 | | | |
| 5222 | .33N 100V 10%CAP T&R RAD .2FLM | 1 | NX12PCABINET | 12"NX SET W/POWER BACK BLACK PLASTC | 1 | 4638 | 1/2W 150K 5% T&R RES | 1 | | | |
| 5224 | .47N 100V 10%CAP T&R RAD .2FLM | 8 | 4599 | 22AWG SOLID SCW IR | 4 | 4796 | 1/4W 180K .5%MINI T&R RES | 1 | | | |
| 5226 | .68N 100V 5%CAP T&R RAD .2FLM | 5 | 4660 | 5.0W OR047 5% BLK RES | 2 | 4949 | 1/4W 180K 5% .2U T&R RES | 2 | | | |
| 5212 | 100N 63V 5%CAP T&R RAD .2FLM | 43 | 2005 | 1.0W OR47 5%FLAME PROOF T&R RES | 4 | 6127 | 1/4W 470K 5%MINI T&R RES | 1 | | | |
| 5228 | 100N 100V 5%CAP T&R RAD .2FLM | 1 | 4682 | 1/2W 1R .5%PHILIPS SMAL T&R RES | 1 | 4948 | 1/4W 1M 5% .2U T&R RES | 7 | | | |
| 5242 | 100N 250V 20%CAP BLK X" 15MM AC | 1 | 4911 | 1/4W 2R2 5% T&R RES | 1 | 4845 | 1/4W 2M2 5% T&R RES | 1 | | | |
| 5314 | 100N 50V 10%CAP T&R BEAD X7R | 2 | 4813 | 14W 6R2 5% T&R RES | 2 | 3696 | RELAY 1C 02AMP DC24 006MA PC-S | 1 | | | |
| 5229 | 150N 63V 10%CAP T&R RAD .2FLM | 4 | 2010 | 1/6W 10R0 2%FLAME PROOF T&R RES | 4 | 8842 | #4 X 5/16 PAN QUAD TYPE A JS500 BLK | 6 | | | |
| 5231 | 220N 63V 5%CAP T&R RAD .2FLM | 2 | 4930 | 1/4W 10R 5% .2U T&R RES | 1 | 8799 | #6 X 1/4 PAN PH TYPE B JS500 | 1 | | | |
| 5233 | 330N 63V 5%CAP T&R RAD .2FLM | 3 | 2038 | 1/4W 11R FUSIBLE T&R RES | 2 | 8865 | 4-40 X 5/16 PAN PH MS JS500 | 4 | | | |
| 5234 | 470N 63V 10%CAP T&R RAD .2FLM | 4 | 6134 | 1/4W 47R .5%MINI T&R RES | 1 | 8861 | | | | | |