Yorkville

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WORLD HEADQUARTERS

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Quality and Innovation Since 1963

Printed in Canada

Yorkville

SERVICE MANUAL

PSA26 + PSA28

SMT Disclaimer

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

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

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

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

IMPORTANT SAFETY INSTRUCTIONS

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

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

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.

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

SEPARATE COLLECTION WEEE

CAUTION • AVIS

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

DO NOT PUSH OR PULL

CAUTION: HOT SURFACE
ATTENTION: SURFACE CHAUDE

NOT TO BE SERVICED BY USERS

The exclamation point within an equilatereal 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.

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: 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 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.

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, does not operate normally 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'ENTRETIENT .

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

Nettoyage: Nettoyez seulement avec le tissu sec.

Emballage: Conservez la boite au cas ou l'appareil devait être retourner pour réparation.

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

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

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

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 œil 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 gréeur 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.

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

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

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

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

Service - 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, ne fonctionne pas normalement . 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. Clean only with dry cloth.
6. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
7. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
8. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prongs are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
9. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
10. Only use attachments/accessories specified by the manufacturer.
11. 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.
12. Unplug this apparatus during lightning storms or when unused for long periods of time.
143. 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, does not operate normally, or has been dropped.

WARNING:
• 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. Nettoyer uniquement avec chiffon sec.
6. Ne bloquez pas les ouvertures de ventilation. Installer en suivant les instructions du fabricant.
7. 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.
8. N'annulez pas l'objectif sécuritaire de la fiche polarisée ou de la tige de mise à la terre. Une fiche polarisée possède deux lames avec une plus large que l'autre. Une prise avec mise à la terre possède deux lames et une troisième tige. La lame large ou la troisième tige sont fournis pour votre sécurité. Si la fiche n'entre pas dans votre prise, consultez un électricien pour remplacer la prise obsolète.
9. 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.
10. Utilisez uniquement les accessoires spécifiés par le fabricant.
11. Utiliser uniquement avec un charriot, stand, trépied ou une table spécifiée par le fabricant, ou vendus avec l'appareil.
12. Débranchez l'appareil durant un orage ou lorsqu'il reste inutilisé pendant de longues périodes de temps.
13. 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, ne fonctionne pas normalement, ou est tombé.

AVERTISSEMENT:
• Pour isoler totalement cet appareil de l'alimentation secteur, débranchez totalement son cordon d'alimentation du réceptacle CA.
• La prise du cordon d'alimentation ou du prolongateur, si vous en utilisez un comme dispositif de débranchement, doit rester facilement accessible

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

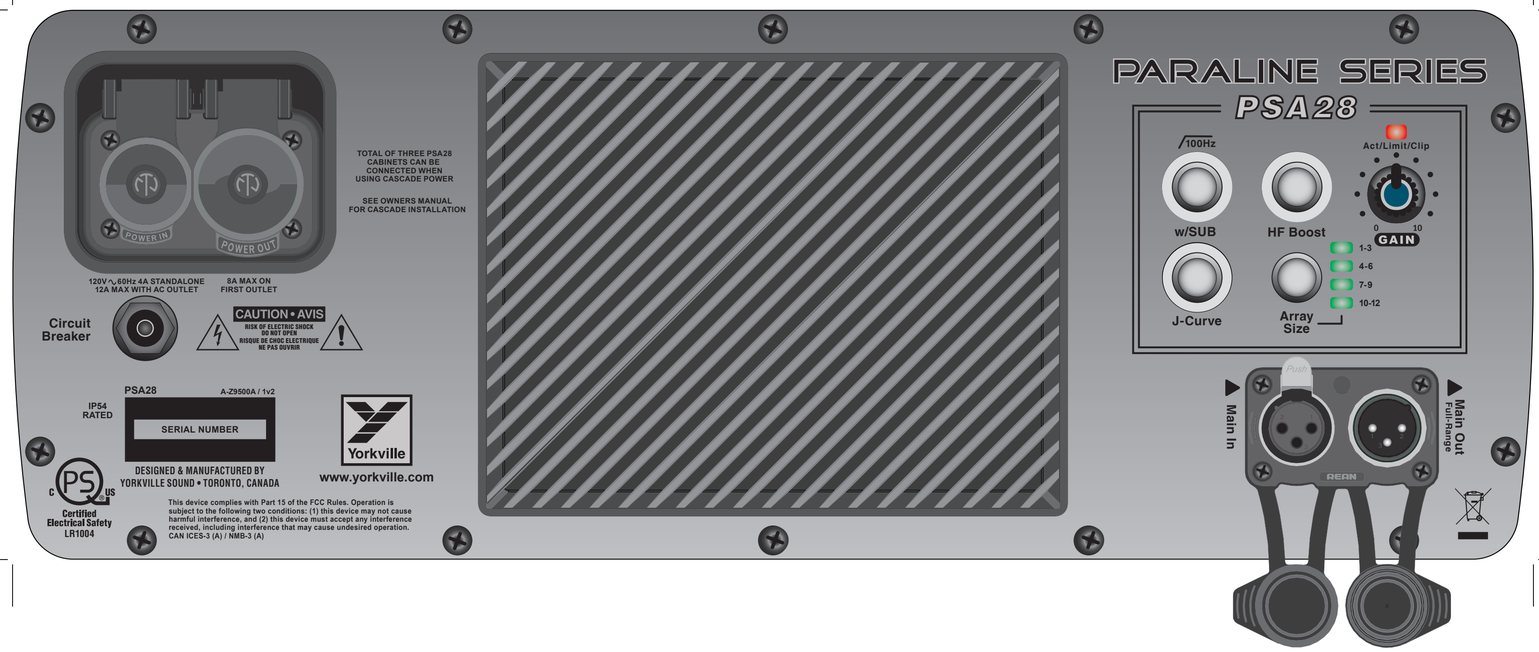
AVIS
POUR PRÉVENIR LES RISQUES D'ÉLECTROCUTION, NE PAS RACCORDER A L'ALIMENTATION ÉLECTRIQUE ALORS QUE LA GRILLE EST RETIRÉE.

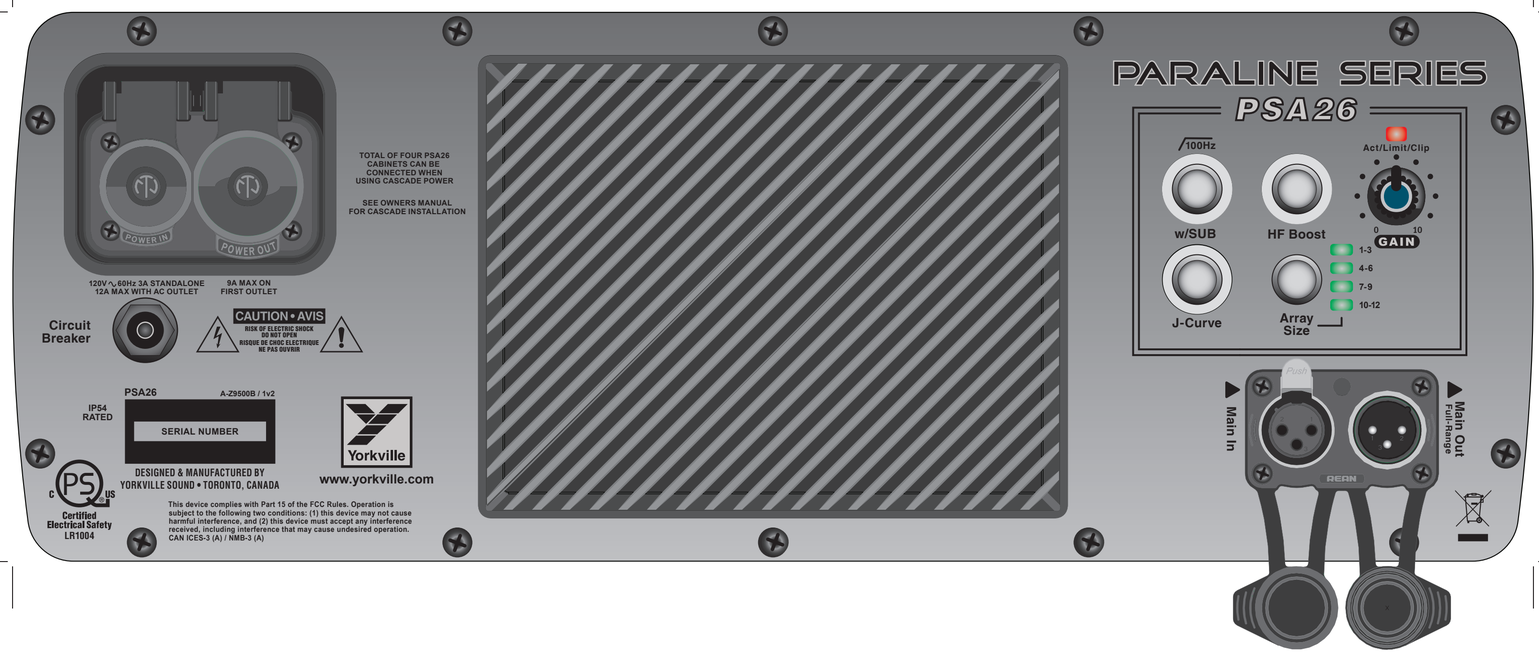
This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

This device complies with ISED Canada's license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) This device may not cause interference, and (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Cet équipement a été testé et déclaré conforme aux limites d'un appareil numérique de classe A, conformément à la partie 15 des règles de la FCC. Ces limites sont conçues pour fournir une protection raisonnable contre les interférences nuisibles lorsque l'équipement est utilisé dans un environnement commercial. Cet équipement génère, utilise et peut émettre de l'énergie de radiofréquence et, s'il n'est pas installé et utilisé conformément au manuel d'instructions, peut causer des interférences nuisibles aux communications radio. L'utilisation de cet équipement dans une zone résidentielle est susceptible de provoquer des interférences nuisibles, auquel cas l'utilisateur devra corriger les interférences à ses propres frais.

Le présent appareil est conforme aux CNR ISDE Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.


PARALINE SERIES
PSA28
100Hz
w/SUB
HF Boost
Act/Limit/Clip
0
10
GAIN
1-3
4-6
7-9
10-12
J-Curve
Array Size
Main In
Main Out
Full-Range
POWER IN
POWER OUT
TOTAL OF THREE PSA28 CABINETS CAN BE CONNECTED WHEN USING CASCADE POWER
SEE OWNERS MANUAL FOR CASCADE INSTALLATION
120V ~ 60Hz 4A STANDALONE
12A MAX WITH AC OUTLET
8A MAX ON FIRST OUTLET
Circuit Breaker
CAUTION • AVIS
RISK OF ELECTRIC SHOCK DO NOT OPEN
RISQUE DE CHOC ELECTRIQUE NE PAS OUVRIR
PSA28
A-Z9500A / 1v2
IP54 RATED
SERIAL NUMBER
DESIGNED & MANUFACTURED BY YORKVILLE SOUND • TORONTO, CANADA
Yorkville
www.yorkville.com
Certified Electrical Safety LR1004
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
CAN ICES-3 (A) / NMB-3 (A)


PARALINE SERIES
PSA26
100Hz
w/SUB
HF Boost
Act/Limit/Clip
0
10
GAIN
1-3
4-6
7-9
10-12
J-Curve
Array Size
Main In
Main Out
Full-Range
POWER IN
POWER OUT
TOTAL OF FOUR PSA26 CABINETS CAN BE CONNECTED WHEN USING CASCADE POWER
SEE OWNERS MANUAL FOR CASCADE INSTALLATION
120V~, 60Hz 3A STANDALONE
12A MAX WITH AC OUTLET
9A MAX ON FIRST OUTLET
Circuit Breaker
CAUTION • AVIS
RISK OF ELECTRIC SHOCK DO NOT OPEN
RISQUE DE CHOC ELECTRIQUE NE PAS OUVRIR
PSA26
A-Z9500B / 1v2
IP54 RATED
SERIAL NUMBER
DESIGNED & MANUFACTURED BY
YORKVILLE SOUND • TORONTO, CANADA
Yorkville
www.yorkville.com
Certified
Electrical Safety
LR1004
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
CAN ICES-3 (A) / NMB-3 (A)

Specifications		
Model	PSA26	PSA28
Power (watts)	850W Peak / 600W Program	1400W Peak / 1200W Program
Max SPL (dB)	134	140
Frequency Response (Hz +/- 3dB)	75-20K	65-20K
Speaker Configuration - LF	2 x 6-inch Neodymium Drivers	2 x 8-inch Neodymium Drivers
Speaker Configuration - HF	1-inch Exit Neodymium Driver	2 x 1-inch Exit Neodymium Drivers
Input	XLR IP-65 rated Dual in out Jack with rubber covers	XLR IP-65 rated Dual in out Jack with rubber covers
Input Controls	w/SUB, HF Boost, Nearfield, Array Size	w/SUB, HF Boost, Nearfield, Array Size
Primary Volume Control	Master	Master
Main In/Out (type/configuration)	XLR (Male and Female), Buffered Main Output - parallel	XLR (Male and Female), Buffered Main Output - parallel
LED Indicators	Activity/Limit/Clip, w/SUB, HF Boost, Nearfield, Array Size	Activity/Limit/Clip, w/SUB, HF Boost, Nearfield, Array Size
AC Power	120 VAC via a powerCON® TRUE1 with pass through to next cabinet	120 VAC via a powerCON® TRUE1 with pass through to next cabinet
Power Consumption (typ/max)	120V 3A / 5A	120V 3A / 5A
AC Protection	5A Resettable Circuit Breaker	5A Resettable Circuit Breaker
Flying Hardware	Skeletal Rigging System	Skeletal Rigging System
Bar Handles	2 x Cabinet sides	2 x Cabinet sides
Pole Mount Adapter (1 3/8-inch/3.5cm)	1 X Dual Angle Bottom	1 X Dual Angle Bottom
Enclosure Materials	Polypropylene	Polypropylene
Grill	Powdered Coated Perforated Steel	Powdered Coated Perforated Steel
Environment	IP54 rated for Outdoor Use	IP54 rated for Outdoor Use
Ambient Temperature Range	0ºC - 45ºC	0ºC - 45ºC
Dimensions (inches)	18.3D x 22.4W x 10.1H	18.5D x 24.6W x 14.0H
Dimensions (cm)	46.5D x 56.9W x 25.7H	47.0D x 62.5W x 35.6H
Weight (kg's / lbs)	18.14 / 40.00	27.22 / 60.00

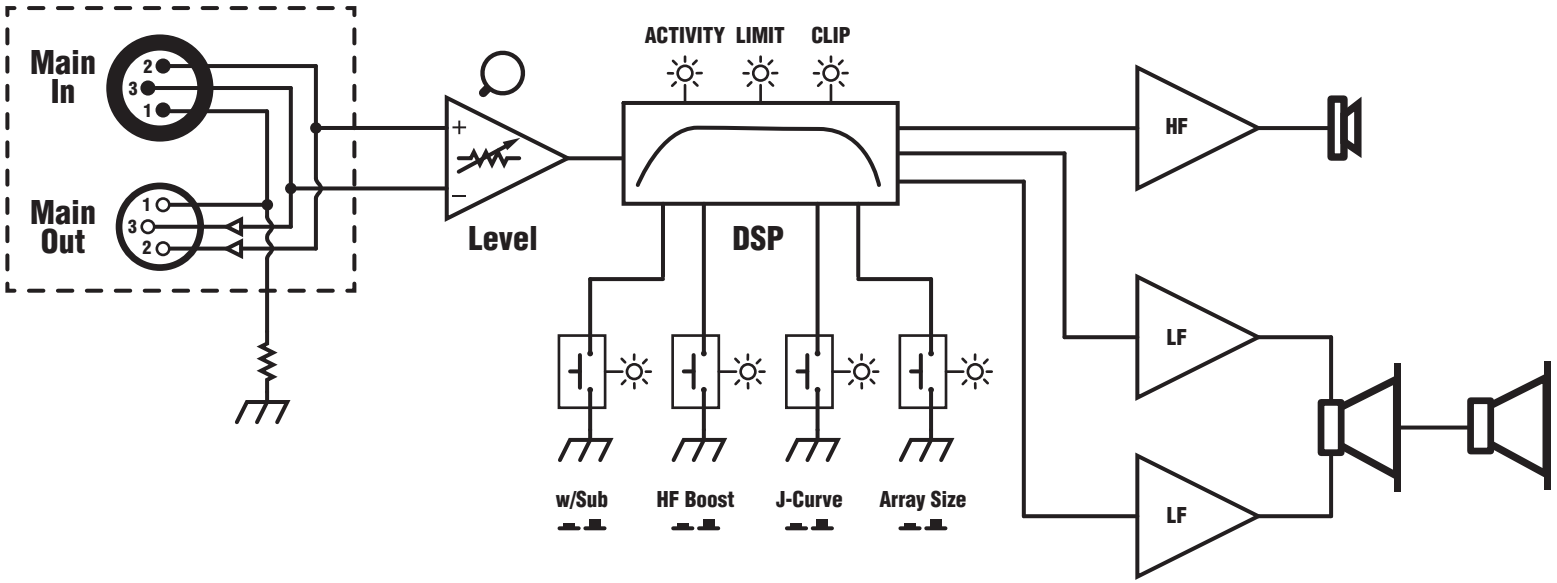
Specifications subject to change without notice

Spécifications		
Model	PSA26	PSA28
Puissance Nominale (watts)	850 W crête / 600 W programme	1400 W crête / 1200 W programme
Pression Sonore Max (dB)	134	140
Bande Passante Fréquence (Hz +/- 3dB)	75-20K	65-20K
Configuration Haut-Parlour - BF	2 haut-parleurs en néodyme de 6 pouces	2 haut-parleurs en néodyme de 8 pouces
Configuration Haut-Parlour - HF	1 haut-parleur de sortie en néodyme de 1 pouce	2 haut-parleurs de sortie en néodyme de 1 pouce
Entrée	Prise XLR double entrée/sortie classée IP-65 avec caches en caoutchouc	Prise XLR double entrée/sortie classée IP-65 avec caches en caoutchouc
Contrôles d'Entrée	w/SUB, HF Boost, Nearfield, Array Size	w/SUB, HF Boost, Nearfield, Array Size
Commande de Volume	Principale	Principale
Entrée/Sortie (type/configuration)	XLR (mâle et femelle), sortie principale bufferisée - parallèle	XLR (mâle et femelle), sortie principale bufferisée - parallèle
Indicateurs DEL	Activity/Limit/Clip, w/SUB, HF Boost, Nearfield, Array Size	Activity/Limit/Clip, w/SUB, HF Boost, Nearfield, Array Size
Alimentation CA	120 VCA via un powerCON® TRUE1 avec passage vers l'armoire suivante	120 VCA via un powerCON® TRUE1 avec passage vers l'armoire suivante
Consommation de Puissance (typ/max)	120V 3A / 5A	120V 3A / 5A
Protection CA	Disjoncteur réarmable 5A	Disjoncteur réarmable 5A
Matériel volant	Système de gréement squelettique	Système de gréement squelettique
Poignées de barre	2 x côtés d'armoire	2 x côtés d'armoire
Adaptateur de montage sur poteau (1 3/8-inch/3.5cm)	1 x fond à double angle	1 x fond à double angle
Matériaux de l'enceinte	Polypropylène	Polypropylène
Grille	Acier perforé avec revêtement en poudre	Acier perforé avec revêtement en poudre
Environnement	IP54 pour l'utilisation en extérieur	IP54 pour l'utilisation en extérieur
Gamme de température ambiante	0ºC - 45ºC	0ºC - 45ºC
Dimensions (pouces)	18,3P x 22,4L x 10,1H	18,5P x 24,6L x 14,0H
Dimensions (cm)	46,5P x 56,9L x 25,7H	47,0P x 62,5L x 35,6H
Poids (livres / kg)	18.14 /40.00	27,22 / 60,00

Spécifications sujettes à changement sans préavis

Block Diagram - Paraline PSA26/PSA28 Powered Speakers

DESIGNED BY YORKVILLE SOUND



- **NOTE: Main In is buffered to Main Out.**

PSA26
PSA28

M2400-03 Parts Reference List 2025-08-14

REF	YS #	Description	REF	YS #	Description	REF	YS #	Description	REF	YS #	Description	REF	YS #	Description
AI-ASS	M2400-59	PSA26-28 PCB INPUT	P1	4399	_10K B LIN 12.5MM VERT PANL IP64	U7		MC33079D QUAD OPAMP SMT SO14						
C1		_22N 50V 10%CAP 0805 SMT X7R	PCB1	M2400BLANK	2_OZ 4LYR 35.83SQIN 02PER PSA26-28	U9		AK4619 192KHZ 4CH CODEC SMT QFN32						
C2		_2U2 50V 20%CAP 4X5.4MM SMT ELC	Q1		MMBT5401 PNP SOT-23 SMT	W1	2329	12 CIR XH-HEADER 0.098IN						
C3		100N 50V 5%CAP 0805 SMT X7R	R1		W125 47K5 1% 0805 SMT RES	W4	2532	3 CIR PH-HEADER RA 2MM						
C4		_22N 50V 10%CAP 0805 SMT X7R	R2		W100 392R 1% 0805 SMT RES	W5		20 CIR FFC CONN 1MM SPC SIL SMT						
C5		100U 10V 20%CAP 6.3X5.4 SMT ELE	R3		W125 1K21 1% 0805 SMT RES	W6		7 PIN HDR 2MM RA PH SMT						
C6		_22N 50V 10%CAP 0805 SMT X7R	R4		W063 10K0 1% 0402 SMT RES	W6_		7 PIN HDR 2MM RA PH SMT						
C7		100N 50V 5%CAP 0805 SMT X7R	R5		W063 49R9 1% 0402 SMT RES	Y1		12.288 CRYSTAL 3.2MM SMT						
C8		_1U 16V 10%CAP 0402 SMT X5R	R6		W063 49R9 1% 0402 SMT RES									
C9		_100N 50V 10%CAP 0402 SMT X7R	R7		W063 49R9 1% 0402 SMT RES									
C10		_100N 50V 10%CAP 0402 SMT X7R	R8		W063 49R9 1% 0402 SMT RES									
C11		_1U 16V 10%CAP 0402 SMT X5R	R9		W063 1K0 1% 0402 SMT RES									
C12		_2U2 10V 20%CAP 0402 SMT X5R	R10		W063 1K0 1% 0402 SMT RES									
C13		_100N 50V 10%CAP 0402 SMT X7R	R11		W063 10K0 1% 0402 SMT RES									
C14		_1U 16V 10%CAP 0402 SMT X5R	R12		W063 10K0 1% 0402 SMT RES									
C15		_1U 16V 10%CAP 0402 SMT X5R	R13		W100 2K49 1% 0603 SMT RES									
C16		_100N 50V 10%CAP 0402 SMT X7R	R14		_10K 5% THERMISTOR NTC 0805 SMT									
C17		_1U 16V 10%CAP 0402 SMT X5R	R15		W063 10K0 1% 0402 SMT RES									
C18		_1U 16V 10%CAP 0402 SMT X5R	R24		W063 4K64 1% 0603 SMT RES									
C19		_100N 50V 10%CAP 0402 SMT X7R	R25		W063 1K37 1% 0603 SMT RES									
C20		_100N 50V 10%CAP 0402 SMT X7R	R26		W063 1K37 1% 0603 SMT RES									
C21		_100N 50V 10%CAP 0402 SMT X7R	R28		W063 4K99 1% 0402 SMT RES									
C22		2U2 10V 20%CAP 0402 SMT X5R	R29		W063 1K37 1% 0603 SMT RES									
C23		20P 50V 5%CAP 0402 SMT NPO	R30		W063 1K37 1% 0603 SMT RES									
C24		20P 50V 5%CAP 0402 SMT NPO	R31		W063 4K99 1% 0402 SMT RES									
C25		_100N 50V 10%CAP 0402 SMT X7R	R32		W063 634R 1% 0603 SMT RES									
C28		_100N 50V 10%CAP 0402 SMT X7R	R33		W063 4K64 1% 0603 SMT RES									
C29		_100N 50V 10%CAP 0402 SMT X7R	R34		W063 4K99 1% 0402 SMT RES									
C30		470P 50V 5%CAP 0402 SMT NPO	R35		W063 634R 1% 0603 SMT RES									
C31		470P 50V 5%CAP 0402 SMT NPO	R36		W063 4K99 1% 0402 SMT RES									
C32		_10U 16V 20%CAP SMT ELC	R37		1/10W 2K2 1% 0603 SMT RE									
C33		_2N2 50V 10%CAP 0402 SMT X7R	R38		W063 100R 1% 0402 SMT RES									
C34		_10U 16V 20%CAP SMT ELC	R39		W063 10K0 1% 0402 SMT RES									
C35		470P 50V 5%CAP 0402 SMT NPO	R40		W063 4K99 1% 0402 SMT RES									
C36		470P 50V 5%CAP 0402 SMT NPO	R41		W063 470K 1% 0402 SMT RES									
C37		_1U 50V 20%CAP 4.3X3.9 SMT ELC	R42		1/10W 2K2 1% 0603 SMT RE									
C38		_100N 50V 10%CAP 0402 SMT X7R	R43		W063 10K0 1% 0402 SMT RES									
C39		470P 50V 5%CAP 0402 SMT NPO	R44		W063 10K0 1% 0402 SMT RES									
C40		_1U 50V 20%CAP 4.3X3.9 SMT ELC	R45		W100 365R 1% 0603 SMT RES									
C41		_2N2 50V 10%CAP 0402 SMT X7R	R46		W063 4K99 1% 0402 SMT RES									
C42		470P 50V 5%CAP 0402 SMT NPO	R47		W063 10K0 1% 0402 SMT RES									
C43		470P 50V 5%CAP 0402 SMT NPO	R48		W063 470K 1% 0402 SMT RES									
C44		470P 50V 5%CAP 0402 SMT NPO	R49		1/10W 2K2 1% 0603 SMT RE									
C45		_1U 50V 20%CAP 4.3X3.9 SMT ELC	R50		W063 10K0 1% 0402 SMT RES									
C46		_100N 50V 10%CAP 0402 SMT X7R	R51		W063 4K99 1% 0402 SMT RES									
C47		_2N2 50V 10%CAP 0402 SMT X7R	R52		W063 4K99 1% 0402 SMT RES									
C48		470P 50V 5%CAP 0402 SMT NPO	R53		W063 100R 1% 0402 SMT RES									
C49		_1U 50V 20%CAP 4.3X3.9 SMT ELC	R54		W063 10K0 1% 0402 SMT RES									
C50		100N 50V 5%CAP 0805 SMT X7R	R55		1/10W 2K2 1% 0603 SMT RE									
C51		100N 50V 5%CAP 0805 SMT X7R	R56		W100 365R 1% 0603 SMT RES									
C52		100N 50V 5%CAP 0805 SMT X7R	R57		W063 10K0 1% 0402 SMT RES									
C53		100N 50V 5%CAP 0805 SMT X7R	R58		W100 2K49 1% 0603 SMT RES									
C56		100N 50V 5%CAP 0805 SMT X7R	R59		W063 10R 5% 0603 SMT RES									
C57		100N 50V 5%CAP 0805 SMT X7R	R60		W063 10R 5% 0603 SMT RES									
C58		470P 50V 5%CAP 0402 SMT NPO	R61		W063 10R 5% 0603 SMT RES									
C59		_10U 16V 20%CAP SMT ELC	R63		W063 1K0 1% 0402 SMT RES									
C60		_2N2 50V 10%CAP 0402 SMT X7R	R64		W100 19K6 1% 0603 SMT RES									
C61		_10U 25V 20%CAP 0603 SMT X5R	R66		W063 10R 5% 0603 SMT RES									
C62		_100N 50V 10%CAP 0402 SMT X7R	R67		W063 10R 5% 0603 SMT RES									
C63		_2U2 10V 20%CAP 0402 SMT X5R	R68		W063 10R 5% 0603 SMT RES									
C64		470P 50V 5%CAP 0402 SMT NPO	R69		W063 10K0 1% 0402 SMT RES									
C65		_10U 16V 20%CAP SMT ELC	R70		W063 10K0 1% 0402 SMT RES									
C66		_100N 50V 10%CAP 0402 SMT X7R	R71		W100 7K32 1% 0603 SMT RES									
C67		_10U 25V 20%CAP 0603 SMT X5R	R72		W100 2K74 1% 0805 SMT RES									
C68		_100N 50V 10%CAP 0402 SMT X7R	R73		W100 2K74 1% 0805 SMT RES									
C69		_10U 25V 20%CAP 0603 SMT X5R	R74		W100 2K74 1% 0805 SMT RES									
C70		_2N2 50V 10%CAP 0402 SMT X7R	R75		W100 2K74 1% 0805 SMT RES									
C71		_2U2 10V 20%CAP 0402 SMT X5R	R76		W063 49R9 1% 0402 SMT RES									
D1		B160-E3 60V 1A0 SCH DO214AC SMT	R77		W063 10K0 1% 0402 SMT RES									
D2		CDSF4148 75V 0A15 1005 SMT	R78		W100 7K32 1% 0603 SMT RES									
D3		CDSF4148 75V 0A15 1005 SMT	R79		W100 2K74 1% 0805 SMT RES									
D4		MM3Z18VT1G 18V0 0W2 5% SMT ZEN	R80		W100 2K74 1% 0805 SMT RES									
D5		CDSF4148 75V 0A15 1005 SMT	R81		W100 2K74 1% 0805 SMT RES									
G5		W250 0R 1206 SMT RES	R82		W100 2K74 1% 0805 SMT RES									
G6		W250 0R 1206 SMT RES	SNL1	8370	1 MIL POLYIMIDE LABEL, 1" X .380"									
G7		W250 0R 1206 SMT RES	U1		LM5010 STEP DWN SW REG HTSSOP14 SMT									
G8		W250 0R 1206 SMT RES	U2		STM32H730VBT6 32BIT MCU IC LQFP100									
J1	4035	DUAL XLR ML/FEML PNL MT VRT IP65	U3		24FC01 SER EEPROM 1K SOT23-5									
K1	3700	RELAY 2C 01AMP DC24 015MA PC-S	U5		MC33079D QUAD OPAMP SMT SO14									
L1		220UH COIL 10X10MM SMT	U6		MC33079D QUAD OPAMP SMT SO14									

M2402-01 Parts Reference List 2025-08-14

REF	YS #	Description	REF	YS #	Description	REF	YS #	Description
AI-ASS	M2402-59	PSA26-28 LED FRONT CONTROL PCB						
C1		100N 50V 5%CAP 0805 SMT X7R						
D1		MMSZ15T1G 15V 0W5 5% SMT ZEN						
D2		MMSZ15T1G 15V 0W5 5% SMT ZEN						
D4		MMSZ15T1G 15V 0W5 5% SMT ZEN						
D5		MMSZ15T1G 15V 0W5 5% SMT ZEN						
LD1		WHT LED 3V 20MA 0603 SMT						
LD2		WHT LED 3V 20MA 0603 SMT						
LD3		WHT LED 3V 20MA 0603 SMT						
LD4		WHT LED 3V 20MA 0603 SMT						
LD5		RD/GN LED 1V7 20MA 0606 SMT						
LD6		WHT LED 3V 20MA 0603 SMT						
LD7		WHT LED 3V 20MA 0603 SMT						
LD8		WHT LED 3V 20MA 0603 SMT						
LD9		WHT LED 3V 20MA 0603 SMT						
LD10		WHT LED 3V 20MA 0603 SMT						
LD11		WHT LED 3V 20MA 0603 SMT						
LD12		WHT LED 3V 20MA 0603 SMT						
LD13		WHT LED 3V 20MA 0603 SMT						
LD18		WHT LED 3V 20MA 0603 SMT						
LD19		WHT LED 3V 20MA 0603 SMT						
LD20		WHT LED 3V 20MA 0603 SMT						
LD21		WHT LED 3V 20MA 0603 SMT						
PCB1	M2402BLANK	1_OZ 2SD 43.90SQIN 04PER PSA26-28						
Q1		2N7002 NCH FET SOT-23 SMT T&R						
Q3		2N7002 NCH FET SOT-23 SMT T&R						
Q7		2N7002 NCH FET SOT-23 SMT T&R						
R1		W063 10R 5% 0603 SMT RES						
R2		W063 10R 5% 0603 SMT RES						
R3		W063 10R 5% 0603 SMT RES						
R4		W063 10R 5% 0603 SMT RES						
R5		W100 100R 1% 0603 SMT RES						
R6		W100 200R 1% 0603 SMT RES						
R7		W100 10K0 1% 0603 SMT RES						
R8		W125 0R 5% 0805 SMT RES						
R9		W063 634R 1% 0603 SMT RES						
R10		W125 0R 5% 0805 SMT RES						
R13		W100 10K0 1% 0603 SMT RES						
R14		W063 634R 1% 0603 SMT RES						
R23		W100 10K0 1% 0603 SMT RES						
R24		W063 634R 1% 0603 SMT RES						
SNL1	8372	1 MIL POLYIMIDE LABEL,.375" X .375"						
W1		20 CIR FFC CONN 1MM SPC SIL SMT						
W2		3 PIN HDR 2MM VT PH SMT						
W3		2 PIN HDR 2MM VT PH SMT						
W4		2 PIN HDR 2MM VT PH SMT						
W6		2 PIN HDR 2MM VT PH SMT						
W7		2 PIN HDR 2MM VT PH SMT						
W8	W1028	2.5" 18GA GRN GND WIRE W/3601						

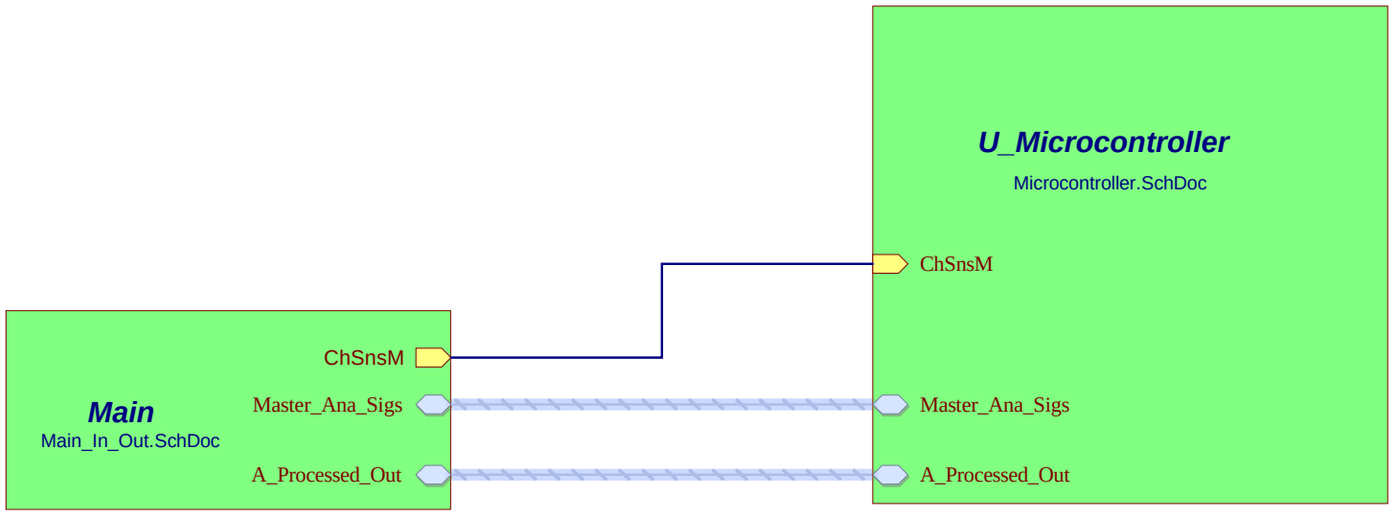
M2410-04 Parts Reference List 2025-08-14

REF	YS #	Description	REF	YS #	Description	REF	YS #	Description	REF	YS #	Description	REF	YS #	Description
A		W250 100K 5% 1206 SMT RES	D12		VS-15ETH03S-M3 300V 15A FAST D2PAK	R43		1W00 0R01 1% CURR SENS SMT RES						
A1-ASS	M2410-59	PSA26-28 NEW POWER SUPPLY	D14		PMLL4148 75V 0A2 SOD80C SMT	R44		W250 100K 5% 1206 SMT RES						
C1	5844	_27N 630V 5%CAP BLK RAD POLY FLM	D15		DIODE 400V 2A 35NS DO214AC SMT	R46		W125 47K5 1% 0805 SMT RES						
C2		150P 50V 5%CAP 0805 SMT NPO	D16		DIODE 400V 2A 35NS DO214AC SMT	R47		W125 91K 5% 0805 SMT RE						
C3		_22N 50V 10%CAP 0805 SMT X7R	D17		BZX84A27-Q 27V0 0W25 ZEN SMT SOT	R48		W125 47K5 1% 0805 SMT RES						
C4		_47U 35V 20%CAP 6.3MM SMT ELE	D18		BAV99 100V 0A2 SOT23 SMT	R50		W250 100K 5% 1206 SMT RES						
C5		_47U 35V 20%CAP 6.3MM SMT ELE	D19		BZX84C62 62V0 0W4 ZEN SMT SOT23	R52		W100 6K98 1% 0805 SMT RES						
C6		__4U7 50V 10%CAP 1210 SMT CER	D20		BZX84C43 43V0 0W3 ZEN SMT SOT23	R53		W250 4R7 5% 1206 SMT RES						
C7		100N 50V 5%CAP 0805 SMT X7R	D21		BZX84C43 43V0 0W3 ZEN SMT SOT23	R54		1W0 0R 1% 6A 2010 SMT JMP						
C8		_10U 16V 10%CAP 1206 SMT X7R	D22		BZX84C43 43V0 0W3 ZEN SMT SOT23	R55		1W0 0R 1% 6A 2010 SMT JMP						
C9		_10U 50V 10%CAP 1210 SMT X7R	D23		BZX84C62 62V0 0W4 ZEN SMT SOT23	R56		W250 0R 1206 SMT RES						
C10		_10U 50V 10%CAP 1210 SMT X7R	D24		BZX84C62 62V0 0W4 ZEN SMT SOT23	R57		W125 10R0 1% 0805 SMT RES						
C12		__1U0 50V 10%CAP 1206 SMT CER	D25		BZX84C62 62V0 0W4 ZEN SMT SOT23	R59		1W0 0R 1% 6A 2010 SMT JMP						
C13		__1U0 50V 10%CAP 1206 SMT CER	D26		MMBZ5252B 24V0 0W35 ZEN SMT SOT23	R62		1W0 0R 1% 6A 2010 SMT JMP						
C14		__1U0 50V 10%CAP 1206 SMT CER	D28		PMLL4148 75V 0A2 SOD80C SMT	R63		1W0 0R 1% 6A 2010 SMT JMP						
C15		__1U0 50V 10%CAP 1206 SMT CER	D43		ES1J 600V 1A0 DO214AC SMT SMA	R66		1W0 0R 1% 6A 2010 SMT JMP						
C16		__1U0 50V 10%CAP 1206 SMT CER	D60		BAT750 SOT-23 SMT SCHTKY	R67		W100 2K32 1% 0805 SMT RES						
C17		_10P 1000V 10%CAP 1206 SMT X7R	D61		BAT750 SOT-23 SMT SCHTKY	R68		W100 13K 1% 0805 SMT RES						
C18		_10P 1000V 10%CAP 1206 SMT X7R	D201	6772	BRIDGE 25A 400V WIRE LEAD SIP	R69		W125 330R 0.5% 0805 SMT RES						
C19		__3U3 25V 10%CAP 1206 SMT CER	HS1	9503	M2410 PS HEATSINK	R70		W250 1M0 1% 1206 SMT RES						
C20		__4U7 50V 10%CAP 1210 SMT CER	HW1	8607	3/16X1/8X.06ID NYLON SPACER	R71		W250 4M7 1% 1206 SMT RES						
C21		33N 630V 5%CAP 1210 SMT COG	HW2	8607	3/16X1/8X.06ID NYLON SPACER	R72		W250 100K 5% 1206 SMT RES						
C22		33N 630V 5%CAP 1210 SMT COG	HW3	4108	TO-220 PLASTIC TRANSISTOR CLAMP	R73		W250 4M7 1% 1206 SMT RES						
C23		33N 630V 5%CAP 1210 SMT COG	HW4	4108	TO-220 PLASTIC TRANSISTOR CLAMP	R74		W100 10K0 1% 0805 SMT RES						
C24		33N 630V 5%CAP 1210 SMT COG	HW5	3501	COMPRESSION WASHER	R75		W100 10K0 1% 0805 SMT RES						
C25		270P 50V 5%CAP 0805 SMT NPO	HW6	3501	COMPRESSION WASHER	R76		470R 50% THERMISTOR PTC 0603 SMT						
C26		100N 50V 5%CAP 0805 SMT X7R	HW9	9445	M3-0.5X12 PAN PZ1 MS TBZ	R77		W250 1R 5% 1206 SMT RES						
C27		_10P 1000V 10%CAP 1206 SMT X7R	HW10	9445	M3-0.5X12 PAN PZ1 MS TBZ	R78		W250 1R 5% 1206 SMT RES						
C28		__2N2 250VAC 10%CAP 2220 SMT X7R	HW11	9441	M3X8MM PAN PHIL MS ZINC +WASHER	R79		W125 750K 1% 0805 SMT RES						
C29		_10P 1000V 10%CAP 1206 SMT X7R	HW12	9441	M3X8MM PAN PHIL MS ZINC +WASHER	R80		W250 100K 5% 1206 SMT RES						
C30		__2N2 250VAC 10%CAP 2220 SMT X7R	HW13	4299	SILPAD SARCON 18X50MM	R81		W250 100K 5% 1206 SMT RES						
C31		100N 50V 5%CAP 0805 SMT X7R	L1		FERRITE BEAD 1A5 26R SMT 1206	R82		1W00 10R 5% 2512 SMT RES						
C32		33N 630V 5%CAP 1210 SMT COG	L2		1000UH COIL 6X6MM SMT	R83		1W00 10R 5% 2512 SMT RES						
C33		100N 50V 5%CAP 0805 SMT X7R	L3		FERRITE BEAD 1A5 26R SMT 1206	R86		W125 750K 1% 0805 SMT RES						
C34		_10U 50V 10%CAP 1210 SMT X7R	L4		FERRITE BEAD 1A5 26R SMT 1206	R87		W125 47K 5% 0805 SMT RES						
C35	5235	_22U 63V 10%CAP BLK RAD 8X7MM .1EL	L5		_330UH 10% COIL CPLD 12MM3 SMT	R118		1W00 2R0 1% 2512 SMT RES						
C36		_22N 50V 10%CAP 0805 SMT X7R	L9	6492	1300UH COIL COMMON MODE 4AMP	R127		W100 1K0 1% 0805 SMT RES						
C37		_33N 630V 5%CAP 1210 SMT COG	PCB1	M2410BLANK	2 OZ 4LYR 58.7SQIN 2PER PSA26-28 PS	R128		W100 10K0 1% 0805 SMT RES						
C38		100N 50V 5%CAP 0805 SMT X7R	Q1		TL431A 3 TERM ADJ VREG SMT SOT-23	R129		W125 3K32 1% 0805 SMT RES						
C39	5663	1200U 200V 20%CAP BLK 25X40MM	Q2		MMBT3904 NPN SOT-23 SMT	R138		W100 1K0 1% 0805 SMT RES						
C40	5663	1200U 200V 20%CAP BLK 25X40MM	Q4		TL431A 3 TERM ADJ VREG SMT SOT-23	R149		W250 4R7 5% 1206 SMT RES						
C41		_10N 25V 10%CAP 0603 SMT X7R	Q5		LM2940IMP-15 POS LDO REG SMT SOT223	R150		W125 10R0 1% 0805 SMT RES						
C42		_10P 1000V 10%CAP 1206 SMT X7R	Q6		TL431A 3 TERM ADJ VREG SMT SOT-23	R159		W250 4R7 5% 1206 SMT RES						
C44		100N 50V 5%CAP 0805 SMT X7R	Q8		LM337IMPX NEG ADJ REG SMT SOT223	R192		W100 301R 1% 0805 SMT RES						
C45		_47P 50V 5%CAP 0805 SMT NPO	Q9		MMBT3904 NPN SOT-23 SMT	R207		W100 10K0 1% 0805 SMT RES						
C46		150P 50V 5%CAP 0805 SMT NPO	Q11		MMBTA92 PNP SOT-23 SMT	R211		W100 10K0 1% 0805 SMT RES						
C47		__4U7 50V 10%CAP 1210 SMT CER	Q12		TLV840CADL29 RESET SENSE SMT SOT235	R216	4989	12R 20% 7.5A THERMISTOR NTC 25MMDIA						
C48		_10U 50V 10%CAP 1210 SMT X7R	Q13		TPS7B6933 LD VREG 3V3 SMT SOT23-5	R242		W125 2K87 1% 0805 SMT RES						
C49		_10P 1000V 10%CAP 1206 SMT X7R	Q206	2525	IPP60R120P7 NCH MFET TO220 600V 26A	R243		W100 10K0 1% 0805 SMT RES						
C50		_22N 50V 10%CAP 0805 SMT X7R	Q207	2525	IPP60R120P7 NCH MFET TO220 600V 26A	R244		W100 6K98 1% 0805 SMT RES						
C51	5844	_27N 630V 5%CAP BLK RAD POLY FLM	R1		W125 80K6 1% 0805 SMT RES	R284		1W00 47K 5% 2512 SMT RE						
C52		__1U0 50V 10%CAP 1206 SMT CER	R2		W125 68R1 1% 0805 SMT RES	R285		1W00 47K 5% 2512 SMT RE						
C53	5221	470P 1000V 5%CAP POLYPROP BULK	R3		W125 750K 1% 0805 SMT RES	R288		W125 562R0 1% 0805 SMT RES						
C54	5221	470P 1000V 5%CAP POLYPROP BULK	R4		W125 49K9 1% 0805 SMT RES	R292		W250 100K 5% 1206 SMT RES						
C83		100N 50V 5%CAP 0805 SMT X7R	R5		W100 10K0 1% 0805 SMT RES	R293		W250 100K 5% 1206 SMT RES						
C89		150P 50V 5%CAP 0805 SMT NPO	R6		W125 1K62 1% 0805 SMT RES	SNL1	8370	1 MIL POLYIMIDE LABEL, 1" X .380"						
C90		100N 50V 5%CAP 0805 SMT X7R	R7	4600	VARISTOR 270J 320VAC MOV 20MM	T1	1262	XFMR O/P 400W LLC DC/DC EER-49 CORE						
C96		100N 250V 5%CAP 1812 SMT COG	R20		W125 1K02 0.1% 0805 SMT RES	U1		LNK3206D OFFLINE SWITCH SMT SO8-P3						
C97		100N 250V 5%CAP 1812 SMT COG	R21		W125 10K5 1% 0805 SMT RES	U2		LM5012 BUCK DC/DC CONV IC SO8P						
C116		_10U 50V 10%CAP 1210 SMT X7R	R22		W100 6K98 1% 0805 SMT RES	U3		TLV9301 SNGLE OPAMP SMT SOT235						
C120	5968	2200U 160V 20%CAP RAD 30X40MM ELS	R23		W500 10K 1% 1210 SMT RES	U4		INA186A1 CURR SENSE AMP SMT SOT238						
C121	5968	2200U 160V 20%CAP RAD 30X40MM ELS	R24		1W00 47K 5% 2512 SMT RE	U11		LTV-817S ACINPUT OPTOCOUPLER SMT						
C123		_10U 16V 20%CAP SMT ELC	R25		W125 0R 5% 0805 SMT RES	U12		LTV-817S ACINPUT OPTOCOUPLER SMT						
C162		_10P 1000V 10%CAP 1206 SMT X7R	R26		W500 10K 1% 1210 SMT RES	U19		HR1002AGSE LLC CONTROLLER SOIC16						
C166		470P 50V 5%CAP 0805 SMT COG	R27		W125 330K 5% 0805 SMT RES	U20		ZXGD3002E6 GATE DRVR 9A SMT SOT326						
C215	5262	__1U 275V 20%CAP BLK 'X2'26.0MM AC	R28		W125 80K6 1% 0805 SMT RES	U22		ZXGD3002E6 GATE DRVR 9A SMT SOT326						
C231	5262	__1U 275V 20%CAP BLK 'X2'26.0MM AC	R29		W500 10K 1% 1210 SMT RES	W1	2327	6 CIR XH-HEADER 0.098IN						
C233	5967	__2U2 310VAC 10% CAP RAD 'X2' AC	R30		1W00 47K 5% 2512 SMT RE	W2	4227	_3 PIN POWER VH MALE .156 5A						
C243		100N 50V 5%CAP 0805 SMT X7R	R31		W100 10K0 1% 0805 SMT RES	W201	4224	2 PIN LOCK HDR .312 VERT TIN JST						
D1		DFLS1150 150V 1A PDI123 SMT SCH	R32		W100 1K0 1% 0805 SMT RES									
D2		PMLL4148 75V 0A2 SOD80C SMT	R33		W125 80K6 1% 0805 SMT RES									
D3		DFLS1150 150V 1A PDI123 SMT SCH	R34		W100 10K0 1% 0805 SMT RES									
D4		MMBZ5237B 8V2 0W2 ZEN SMT SOT23	R35		W100 4K99 1% 0805 SMT RES									
D5		PMLL4148 75V 0A2 SOD80C SMT	R36		W100 10K0 1% 0805 SMT RES									
D6		ES1J 600V 1A0 DO214AC SMT SMA	R37		W100 1K0 1% 0805 SMT RES									
D7		BAT750 SOT-23 SMT SCHTKY	R38		W125 3K32 1% 0805 SMT RES									
D8		ES1J 600V 1A0 DO214AC SMT SMA	R39		W100 4K99 1% 0805 SMT RES									
D9		VS-15ETH03S-M3 300V 15A FAST D2PAK	R40		W125 91K 5% 0805 SMT RE									
D10		VS-15ETH03S-M3 300V 15A FAST D2PAK	R41		W100 499R 1% 0805 SMT RES									
D11		VS-15ETH03S-M3 300V 15A FAST D2PAK	R42		W100 4K99 1% 0805 SMT RES									

M2456-03 Parts Reference List 2025-08-14

REF	YS #	Description
AI-ASS	M2456-59	PSA26-28 AMP PCB
C1		4U7 50V 10%CAP 1210 SMT CER
C2		100N 50V 5%CAP 0805 SMT X7R
C3		4U7 50V 10%CAP 1210 SMT CER
C4		3U9 250V 20%CAP 8X10 SMT ELE(YS5470
C5		4U7 50V 10%CAP 1210 SMT CER
C6		10U 25V 10%CAP 1210 SMT X7R
C7		100N 50V 5%CAP 0805 SMT X7R
C8		10U 25V 10%CAP 1210 SMT X7R
C9		100N 50V 5%CAP 0805 SMT X7R
C10		100N 450V 10%CAP 1206 SMT X7T
C11		2U2 25V 10%CAP 0805 SMT X7R
C12		2U2 25V 10%CAP 0805 SMT X7R
C13		10U 25V 10%CAP 1210 SMT X7R
C14		100N 450V 10%CAP 1206 SMT X7T
C15		100N 50V 5%CAP 0805 SMT X7R
C16	2315	1U 250V 5%CAP BLK RAD POLY FLM
C17		10U 16V 20%CAP SMT ELC
C18		470P 250V 5%CAP 0603 SMT NP0
C19		220P 100V 10%CAP 0805 SMT X7R
C20		100P 100V 10%CAP 0603 SMT X7R
C21		10U 25V 20%CAP 0603 SMT X5R
C22		3N3 25V 5%CAP 0805 SMT NPO
C23		3N3 25V 5%CAP 0805 SMT NPO
C24		100N 450V 10%CAP 1206 SMT X7T
C25		470P 250V 5%CAP 0603 SMT NP0
C26		100N 450V 10%CAP 1206 SMT X7T
C27		470P 250V 5%CAP 0603 SMT NP0
C28		100N 450V 10%CAP 1206 SMT X7T
C29	2315	1U 250V 5%CAP BLK RAD POLY FLM
C30		470P 250V 5%CAP 0603 SMT NP0
C31		100N 450V 10%CAP 1206 SMT X7T
C32	5663	1200U 200V 20%CAP BLK 25X40MM
C33		100N 450V 10%CAP 1206 SMT X7T
C34	5663	1200U 200V 20%CAP BLK 25X40MM
C35		100N 450V 10%CAP 1206 SMT X7T
C36		470P 250V 5%CAP 0603 SMT NP0
C37		22U 25V 20%CAP 1210 SMT X7R
C38		2U2 25V 10%CAP 0805 SMT X7R
C39	2315	1U 250V 5%CAP BLK RAD POLY FLM
C40		100N 450V 10%CAP 1206 SMT X7T
C41		470P 250V 5%CAP 0603 SMT NP0
C42		100N 450V 10%CAP 1206 SMT X7T
C43		2U2 25V 10%CAP 0805 SMT X7R
C44		10U 25V 10%CAP 1210 SMT X7R
C45		100N 450V 10%CAP 1206 SMT X7T
C46		10U 16V 20%CAP SMT ELC
C47		100N 450V 10%CAP 1206 SMT X7T
C48		4U7 50V 10%CAP 1210 SMT CER
C49		2N2 50V 10%CAP 0603 SMT COG
C50		3N3 25V 5%CAP 0805 SMT NPO
C51		3N3 25V 5%CAP 0805 SMT NPO
C52		2N2 50V 10%CAP 0603 SMT COG
C53		10U 25V 20%CAP 0603 SMT X5R
C54		4U7 50V 10%CAP 1210 SMT CER
C55		4U7 50V 10%CAP 1210 SMT CER
C56		4U7 50V 10%CAP 1210 SMT CER
C57		4U7 50V 10%CAP 1210 SMT CER
C58		100N 50V 5%CAP 0805 SMT X7R
C59		10U 63V 20%CAP 6.3MM SMT ELE
C60		10U 63V 20%CAP 6.3MM SMT ELE
C62		220P 100V 10%CAP 0805 SMT X7R
C63		100P 100V 10%CAP 0603 SMT X7R
C64		22U 25V 20%CAP 1210 SMT X7R
C65		2U2 25V 10%CAP 0805 SMT X7R
C66		100N 450V 10%CAP 1206 SMT X7T
C67		2U2 25V 10%CAP 0805 SMT X7R
C68		10U 25V 10%CAP 1210 SMT X7R
C69		100N 50V 5%CAP 0805 SMT X7R
C70		100N 50V 5%CAP 0805 SMT X7R
C71		10U 16V 20%CAP SMT ELC
C72		220P 100V 10%CAP 0805 SMT X7R
C73		100P 100V 10%CAP 0603 SMT X7R
C74		10U 25V 20%CAP 0603 SMT X5R
C75		3N3 25V 5%CAP 0805 SMT NPO
C76		3N3 25V 5%CAP 0805 SMT NPO
C77		2N2 50V 10%CAP 0603 SMT COG
C78		22U 25V 20%CAP 1210 SMT X7R
C79		100N 50V 5%CAP 0805 SMT X7R
C80		470P 50V 5%CAP 0402 SMT NPO
C81		470P 50V 5%CAP 0402 SMT NPO
D1		ES1J 600V 1A0 DO214AC SMT SMA
D2		ES1J 600V 1A0 DO214AC SMT SMA
D3		ES1J 600V 1A0 DO214AC SMT SMA
D4		DIODE 400V 2A 35NS DO214AC SMT
D5		DIODE 400V 2A 35NS DO214AC SMT
D6		ES1J 600V 1A0 DO214AC SMT SMA
D7		DIODE 400V 2A 35NS DO214AC SMT
D8		DIODE 400V 2A 35NS DO214AC SMT
D9		ES1J 600V 1A0 DO214AC SMT SMA
D10		DIODE 400V 2A 35NS DO214AC SMT
D11		DIODE 400V 2A 35NS DO214AC SMT
D12		ES1J 600V 1A0 DO214AC SMT SMA
D13		DIODE 400V 2A 35NS DO214AC SMT
D14		DIODE 400V 2A 35NS DO214AC SMT
D15		DIODE 400V 2A 35NS DO214AC SMT
D16		DIODE 400V 2A 35NS DO214AC SMT
D17		DIODE 400V 2A 35NS DO214AC SMT
D18		DIODE 400V 2A 35NS DO214AC SMT
D19		DIODE 400V 2A 35NS DO214AC SMT
D20		MM3Z15VT1G 15V0 0W2 5% SMT ZEN
D21		B0540 SOD123 SMT SCHTKY
D22		B0540 SOD123 SMT SCHTKY
D23		B0540 SOD123 SMT SCHTKY
D24		B0540 SOD123 SMT SCHTKY
D25		B0540 SOD123 SMT SCHTKY
D26		B0540 SOD123 SMT SCHTKY
D27		SBR10H300D1 300V 10A DPAK3 SMT
D28		SBR10H300D1 300V 10A DPAK3 SMT
D29		SBR10H300D1 300V 10A DPAK3 SMT
D30		SBR10H300D1 300V 10A DPAK3 SMT
D31		SBR10H300D1 300V 10A DPAK3 SMT
D32		SBR10H300D1 300V 10A DPAK3 SMT
HS1	9501	M2456 AMP HEATSINK
HW1	3501	COMPRESSION WASHER
HW2	3501	COMPRESSION WASHER
HW3	3501	COMPRESSION WASHER
HW4	3501	COMPRESSION WASHER
HW5	3501	COMPRESSION WASHER
HW6	3501	COMPRESSION WASHER
HW7	8607	3/16X1/8X.06ID NYLON SPACER
HW8	8607	3/16X1/8X.06ID NYLON SPACER
HW9	8607	3/16X1/8X.06ID NYLON SPACER
HW10	8607	3/16X1/8X.06ID NYLON SPACER
HW11	8607	3/16X1/8X.06ID NYLON SPACER
HW12	8607	3/16X1/8X.06ID NYLON SPACER
HW13	4108	TO-220 PLASTIC TRANSISTOR CLAMP
HW14	4108	TO-220 PLASTIC TRANSISTOR CLAMP
HW15	4108	TO-220 PLASTIC TRANSISTOR CLAMP
HW16	4108	TO-220 PLASTIC TRANSISTOR CLAMP
HW17	4108	TO-220 PLASTIC TRANSISTOR CLAMP
HW18	4108	TO-220 PLASTIC TRANSISTOR CLAMP
HW19	8742	4-40X3/8 PAN PH TAPTITE TBZ
HW20	8742	4-40X3/8 PAN PH TAPTITE TBZ
HW21	8742	4-40X3/8 PAN PH TAPTITE TBZ
HW22	8742	4-40X3/8 PAN PH TAPTITE TBZ
HW23	8742	4-40X3/8 PAN PH TAPTITE TBZ
HW24	8742	4-40X3/8 PAN PH TAPTITE TBZ
HW25	8742	4-40X3/8 PAN PH TAPTITE TBZ
HW26	8742	4-40X3/8 PAN PH TAPTITE TBZ
HW27	3501	COMPRESSION WASHER
HW28	3501	COMPRESSION WASHER
HW29	4298	SILPAD SARCON 19X116MM
L1		1000UH 10% COIL 12MM SMT
L2	3011	22UH COIL 20% 0R008 EQU TO 7G23A
L3	3011	22UH COIL 20% 0R008 EQU TO 7G23A
L4	3011	22UH COIL 20% 0R008 EQU TO 7G23A
PCB1	M2456BLANK	2 OZ 4LYR 46.85SQIN 02PER PSA26-28
Q1	2524	IPP600N25N3 NCH MFET TO220 250V 25A
Q2	2524	IPP600N25N3 NCH MFET TO220 250V 25A
Q3	2524	IPP600N25N3 NCH MFET TO220 250V 25A
Q4		MMBT3904 NPN SOT-23 SMT
Q5	2524	IPP600N25N3 NCH MFET TO220 250V 25A
Q6	2524	IPP600N25N3 NCH MFET TO220 250V 25A
Q7	2524	IPP600N25N3 NCH MFET TO220 250V 25A
Q8		SST137K TRIAC 600V 8A DPAK SMT
Q9		MMBT3904 NPN SOT-23 SMT
Q10		TMMDB3 DIAC 28-36V 2A MINIMELF SMT
Q11		MMBT3904 NPN SOT-23 SMT
Q12		MMBT3904 NPN SOT-23 SMT
Q13		MMBT3904 NPN SOT-23 SMT
Q14		MMBT3904 NPN SOT-23 SMT
R1		W100 15K0 1% 0805 SMT RES
R2		W100 2K49 1% 0603 SMT RES
R3		W250 330R 5% 1206 SMT RES
R4		W125 10R0 1% 0805 SMT RES
R5		W125 100K0 1% 0805 SMT RES
R6		W125 8K25 1% 0805 SMT RES
R7		W063 0R 1% 0603 SMT RES
R8		470R 50% THERMISTOR PTC 0402 SMT
R9		W100 4R7 5% 0805 SMT RES
R10		W125 3K32 1% 0805 SMT RES
R11		W125 10R0 1% 0805 SMT RES
R12		1W00 1K8 5% 2512 SMT RES
R13		W100 6K20 1% 0603 SMT RES
R14		W100 10K0 1% 0603 SMT RES
R15		W125 2K2 5% 0805 SMT RES
R16		W100 10K0 1% 0603 SMT RES
R17		W100 10K0 1% 0603 SMT RES
R18		W100 4R7 5% 0805 SMT RES
R19		W100 93R1 1% 0603 SMT RES
R20		W100 10K0 1% 0603 SMT RES
R21		1W00 33K 5% 2512 SMT RES
R22		W100 10K0 1% 0603 SMT RES
R23		W100 10K0 1% 0603 SMT RES
R24		W125 2K2 5% 0805 SMT RES
R25		470R 50% THERMISTOR PTC 0402 SMT
R26		W125 10R0 1% 0805 SMT RES
R27		1W00 1K8 5% 2512 SMT RES
R28		W125 8K25 1% 0805 SMT RES
R29		W063 0R 1% 0603 SMT RES
R30		W100 10K0 1% 0603 SMT RES
R31		W250 10R 5% 1206 SMT RES
R32		W100 4R7 5% 0805 SMT RES
R33		W250 0R 1206 SMT RES
R34		W100 10K0 1% 0603 SMT RES
R35		W250 10R 5% 1206 SMT RES
R36		W100 4R7 5% 0805 SMT RES
R37		W250 0R 1206 SMT RES
R38		W100 10K0 1% 0603 SMT RES
R39		W100 10K0 1% 0603 SMT RES
R40		W250 0R 1206 SMT RES
R41		W100 4R7 5% 0805 SMT RES
R42		W250 10R 5% 1206 SMT RES
R43		W250 0R 1206 SMT RES
R44		W100 10K0 1% 0603 SMT RES
R45		W100 4R7 5% 0805 SMT RES
R46		W250 10R 5% 1206 SMT RES
R47		W100 4R7 5% 0805 SMT RES
R48		1W00 4R7 5% 2512 SMT RES
R49		1W00 4R7 5% 2512 SMT RES
R50		2W00 33R 1% 2512 SMT RES
R51		1W00 4R7 5% 2512 SMT RES
R52		1W00 4R7 5% 2512 SMT RES
R53		2W00 33R 1% 2512 SMT RES
R54		W250 100K 5% 1206 SMT RES
R55		W250 100K 5% 1206 SMT RES
R56		W100 7K32 1% 0603 SMT RES
R57		W125 2K2 5% 0805 SMT RES
R58		W100 10K0 1% 0603 SMT RES
R59		1W00 33K 5% 2512 SMT RES
R60		W250 10R 5% 1206 SMT RES
R61		W100 4R7 5% 0805 SMT RES
R62		W250 0R 1206 SMT RES
R63		W100 10K0 1% 0603 SMT RES
R64		W100 4R7 5% 0805 SMT RES
R65		1W00 4R7 5% 2512 SMT RES
R66		W125 10R0 1% 0805 SMT RES
R67		W100 7K32 1% 0603 SMT RES
R68		1W00 4R7 5% 2512 SMT RES
R69		2W00 33R 1% 2512 SMT RES
R70		W125 2K2 5% 0805 SMT RES
R71		W100 10K0 1% 0603 SMT RES
R72		W250 10R 5% 1206 SMT RES
R73		W100 4R7 5% 0805 SMT RES
R74		W250 0R 1206 SMT RES
R75		W125 8K25 1% 0805 SMT RES
R76		W100 10K0 1% 0603 SMT RES
R77		W125 10R0 1% 0805 SMT RES
R78		W100 4R7 5% 0805 SMT RES
R79		W125 3K32 1% 0805 SMT RES
R80		470R 50% THERMISTOR PTC 0402 SMT
R81		W063 0R 1% 0603 SMT RES
R82		W100 8K25 1% 0603 SMT RES
R83		1W00 47K 5% 2512 SMT RE
R84		W125 3K32 1% 0805 SMT RES
R85		W100 10K0 1% 0603 SMT RES
R86		W125 49K9 1% 0805 SMT RES
R87		W125 10R0 1% 0805 SMT RES
R88		1W00 47K 5% 2512 SMT RE
R89		W063 0R 1% 0603 SMT RES
R90		W063 0R 1% 0603 SMT RES
R91		W125 150K0 1% 0805 SMT RES
R92		W100 93R1 1% 0603 SMT RES
R93		W125 150K0 1% 0805 SMT RES
R94		W250 10R 5% 1206 SMT RES
R95		W125 150K0 1% 0805 SMT RES
R96		W125 150K0 1% 0805 SMT RES
R99		1W00 1K 5% 2512 SMT RES
R100		1W00 47K 5% 2512 SMT RE
R101		1W00 1K 5% 2512 SMT RES
R102		W125 249K 1% 0805 SMT RES
R103		1W00 1K8 5% 2512 SMT RES
R104		W100 10K0 1% 0603 SMT RES
R105		W125 100K0 1% 0805 SMT RES
R106		W100 6K20 1% 0603 SMT RES
R107		W100 10K0 1% 0603 SMT RES
R108		W125 2K2 5% 0805 SMT RES
R109		W100 10K0 1% 0603 SMT RES
R110		W100 10K0 1% 0603 SMT RES
R111		W100 4R7 5% 0805 SMT RES
R112		W100 93R1 1% 0603 SMT RES
R113		W100 10K0 1% 0603 SMT RES
R114		1W00 33K 5% 2512 SMT RES
R115		W100 10K0 1% 0603 SMT RES
R116		W125 2K2 5% 0805 SMT RES
R117		W100 10K0 1% 0603 SMT RES
R118		W100 10K0 1% 0603 SMT RES
R119		1W00 1K8 5% 2512 SMT RES
R120		W125 100K0 1% 0805 SMT RES
R121		W063 0R 1% 0603 SMT RES
R122		W063 0R 1% 0603 SMT RES
R123		W125 49K9 1% 0805 SMT RES
R124		W063 4K99 1% 0402 SMT RES
R125		W063 4K99 1% 0402 SMT RES
R126		W063 4K99 1% 0402 SMT RES
R127		W063 10R 5% 0603 SMT RES
R128		W063 4K99 1% 0402 SMT RES
R129		W063 10R 5% 0603 SMT RES
R130		W063 220K 1% 0402 SMT RES
R131		W063 220K 1% 0402 SMT RES
SNL1	8370	1 MIL POLYIMIDE LABEL, 1" X .380"
U1		LNK3206D OFFLINE SWITCH SMT SO8-P3
U2		MC78M05BDTR POS REG SMT DPAK3
U3		MC79M05BDTR NEG REG SMT DPAK3
U4		IRS2461S AUDIO AMP CNTRLR SO20W SMT
U5		ZXGD3005E6 DRIVER SMT SOT236
U6		ZXGD3005E6 DRIVER SMT SOT236
U7		ZXGD3005E6 DRIVER SMT SOT236
U8		ZXGD3005E6 DRIVER SMT SOT236
U9		ZXGD3005E6 DRIVER SMT SOT236
U10		ZXGD3005E6 DRIVER SMT SOT236
U11		IRS2461S AUDIO AMP CNTRLR SO20W SMT
U12		IRS2461S AUDIO AMP CNTRLR SO20W SMT
U13		33078 DUAL OPAMP SMT SO-8
W1	4227	3 PIN POWER VH MALE .156 5A
W2	2329	12 CIR XH-HEADER 0.098IN
W3	2327	6 CIR XH-HEADER 0.098IN
W4	4252	4P VERT HDR 2X2 VAL-U-LOK

TOP LEVEL SHEET



Yorkville

Section: **Top Level**			
Product(s): **PSA26-28**			
PCB#: M2400	Rev#: V01	Eng: E. Saturnino	Sheet 1 Of 4
Modified: 2025-06-12	File: Top Sheet.SchDoc		

+3V3 SUPPLY

U1 LM5010 6726 HTSSOP14
VIN, RON/SD, SS, VCC, PP, RTN, SGND, NC, BST, SW, ISEN, FB
C1 22N 0805 50V; C2 4X5.4mm 50V 2U2; C3 0805 50V 100N; C4 0805 22N 50V; C5 6x6mm 100U 10V; C6 0805 22N 50V; C7 0805 50V 100N
R1 W125 47K5 0805; R2 W100 392R 0805; R3 W125 1K21 0805
L1 8152 220UH; D1 DO214AC B160
V+LO, +3V3, Gnd

CODEC

U9 AK4619VN 6579 QFN32
SDIN1, SDIN2, TVDD, VSS2, AVDRV, LRCK, BICK, MCLK, IN4N, IN4P, IN3N, IN3P, IN2N, IN2P, IN1N, IN1P
SDOUT2, SDOUT1, SDA, SI, SCL, CAD, PDN, AOUT2R, AOUT2L, AOUT1R, AOUT1L, VREFH, VREFL, VSS1, AVDD, VCOM
Processed_Data_Out, DOutLowHi, LRClk, BClk, MClk
Master_Ana_Sigs, LoSens-M, LoSens+M, HiSens-M, HiSens+M
CdcSDA, CdcSCL, RstCdc, Main_POut+, Main_POut-, AOutLow, AOutHi, DInM
R69 R70 R76 R77 W063 10K0 49R9
C61 0603 16V 10U; C62 0402 100N 50V; C63 0402 2U2 50V; C66 0402 100N 50V; C67 0603 16V 10U; C68 0402 100N 50V; C69 0603 16V 10U; C71 0402 2U2 50V
+3V3, Gnd

TO MAIN IN/OUT

A_Processed_Out
A_POut+, A_POut-
A_Processed_Out

TO AMP PCB M2456

AmpSync, Gnd, RailSns, +15V, -15V, Gnd, Hi+, Hi-, Low+, Low-
N6 N7 N8 N9 N10 N11 N12 N13 N14 N15 N16
12 W1:1 12 W1:2 12 W1:3 12 W1:4 12 W1:5 12 W1:6 12 W1:7 12 W1:8 12 W1:9 12 W1:10 12 W1:11 12 W1:12

MICROCONTROLLER

U2 STM32H730VBT6
EM_SCL, EM_SDA, AmpSync, RstCdc, SwdClk, SwdDio, Nearfield_Led, HF Boost_Led, Fan_ON, Array_12Led, Array_6Led, CdcSDA, CdcSCL, Array_4Led, Array_2Led, W_SubLed, ChMClpLed, ChMSigLed
MClk, DOutLowHi, LRClk, BClk, DInM, OscIn, OscOut, RstMcu, Processed_Data_Out, ChSnsM, LevelM, RlSense, GAIN, RailSns, TempSns, HFBoostSwt, Nearfield_Swt, W_SubSwt, Array_Size_Swt
R4 R5 R6 R7 R8 R9 R10 R11 R12 R13 R14 W063 10K0 49R9 1K0 2K49 10K
Y1 12.288 MHz 6582; C23 50V 20P; C24 50V 20P
C8 1U 16V; C9 50V 100N; C10 100N 50V; C11 1U 16V; C12 2U2 50V; C13 100N 50V; C14 16V 1U; C15 1U 16V; C16 100N 50V; C17 1U 16V; C18 1U 16V; C19 100N 50V; C20 100N 50V; C21 100N 50V; C22 2U2 50V; C28 100N 50V; C29 100N 50V
+3V3, Gnd

PGM

W2 MicroPgm
SwdDio, RstMcu, SwdClk
W5
Nearfield_Led, Nearfield_Swt, W_SubLed, W_SubSwt, HFBoostSwt, HF Boost_Led, ChMClpLed, ChMSigLed, GAIN, Array_Size_Swt, Array_12Led, Array_6Led, Array_4Led, Array_2Led
V+LO, +3V3, Gnd

U3 24FC01 6516 SOT23-5
SCL, SDA, WP, VSS, VCC
R15 W063 10K0; C25 100N 50V
EM_SCL, EM_SDA, +3V3, Gnd

TO CONTROL PCB M2402

TO W2 ON CNTRL PCB M2402

W4 2532 3 PIN RA
P1 B LIN 10K GAIN 4399
Pot_Gnd

M2400 3 OF 3

U7:1 U7:2 U7:3 U7:4 U7:5 MC33079D 7668 SO14
R71 R72 R73 R74 R75 R78 R79 R80 R81 R82 W100 7K32 2K74 0603 0805
C58 0402 50V 470P; C59 4X4mm 16V 10U; C60 0402 2N2 50V; C64 0402 50V 470P; C65 4X4mm 16V 10U; C70 0402 2N2 50V
C52 0805 100N 50V; C53 0805 100N 50V
R61 R68 W063 10R
+15V, -15V, Gnd

Yorkville

Section:	Microcontroller
Product(s):	PSA26-28
PCB#: M2400	Rev#: V01
Eng: E. Saturnino	Sheet 2 Of 4
Modified: 2025-06-12	File: Microcontroller.SchDoc

TO INPUT M2400 PCB

1 OF 3

XLR INPUT/OUTPUT

J1

XLR_Gnd

DUAL XLR M/F

4035
PNL MNT

W6_

4302

XLR_Gnd

M2400 2 OF 3

TO XLR PCB
Main Out

FROM XLR PCB
Main In

W6

MainInP
MainInN
MainOutN
MainOutP

4302

Gnd

C31 50V 470P

R28 W063 4K99

U5:3 SO14 MC33079D 7668

R32 W063 634R

R35 W063 634R

R31 W063 4K99

RELAY 2C 3700 K1:2

RELAY 2C 3700 K1:1

Gnd

+15V

Q1 MMBT5401 7837 SOT-23

D4 SOD-323 18V0

R63 W063 1K0

K1:3 RELAY 2C 3700

D5 D1005 CDSF4148

R64 W100 19K6

-15V

C35 50V 470P

R34 W063 4K99

U5:2 SO14 MC33079D 7668

R36 W063 4K99

MainIn

Processed_Out

DNS

R27 W063 4K99

R24 W063 4K64

C30 50V 470P

U5:1 SO14 MC33079D 7668

R26 W063 1K37

R30 W063 1K37

R25 W063 1K37

R29 W063 1K37

C32 10U 16V

C34 10U 16V

C36 470P 50V

C33 2N2 50V

R33 4K64 W063

A_POut-
A_POut+

A_Processed_Out

A_Processed_Out

FROM CODEC

R38 W063 100R

R41 W063 10K0

C41 2N2 50V

R48 W063 10K0

C47 2N2 50V

R53 W063 100R

C38 50V 100N

R39 W063 10K0

C46 50V 100N

R54 W063 10K0

U6:1 SO14 MC33079D 7668

R43 W063 10K0

C42 470P 50V

In+M

R44 W063 10K0

C43 470P 50V

R47 W063 10K0

U6:2 SO14 MC33079D 7668

In-M

R50 W063 10K0

C39 470P 50V

R40 W063 4K99

U6:3 SO14 MC33079D 7668

R51 W063 4K99

C48 470P 50V

D2 D1005 CDSF4148

D3 D1005 CDSF4148

In-M

R57 W063 10K0

ChSnsM

ChSnsM

R58 W100 2K49

Gnd

R52 W063 4K99 0402

C44 470P 50V 0402

R46 W063 4K99 0402

U6:4 SO14 MC33079D 7668

R37 W063 2K2 0603

C37 1U 4X4mm 50V

R42 W063 2K2 0603

C40 1U 4X4mm 50V

R45 W100 365R 0603

R49 W063 2K2 0603

C45 1U 4X4mm 50V

R55 W063 2K2 0603

C49 1U 4X4mm 50V

R56 W100 365R 0603

HiSens+M

LoSens+M

HiSens-M

LoSens-M

Master_Ana_Sigs

Master_Ana_Sigs

TO CODEC

G5 W250 0R 1206 HC1 CON_HOLE_3mm5 ChGnd1

G6 W250 0R 1206 HC2 CON_HOLE_3mm5 ChGnd2

G7 W250 0R 1206 HC3 CON_HOLE_3mm5 ChGnd3

G8 W250 0R 1206 HC4 CON_HOLE_3mm5 ChGnd4

U5:4 SO14 MC33079D 7668

U5:5 SO14 MC33079D 7668

R59 W063 10R

R66 W063 10R

C56 0805 50V 100N

C57 0805 100N 50V

U6:5 SO14 MC33079D 7668

R60 W063 10R

R67 W063 10R

C50 0805 100N 50V

C51 0805 100N 50V

Yorkville	Section: **Master Channel**		
	Product(s): **PSA26-28**		
	PCB#: M2400	Rev#: V01	Eng: E. Saturnino	Sheet 3 Of 4
	Modified: 2025-08-18	File: Main_In_Out.SchDoc	

CHANGE HISTORY

#	DATE	VER#	PC#	DESCRIPTION OF CHANGE
1	16-JAN-2025	V01	.	Released for Production
2	18-AUG-2025	.	10157	R41 and R48 changed to 10K0 (YS# 5172).
3	.	.	.	.
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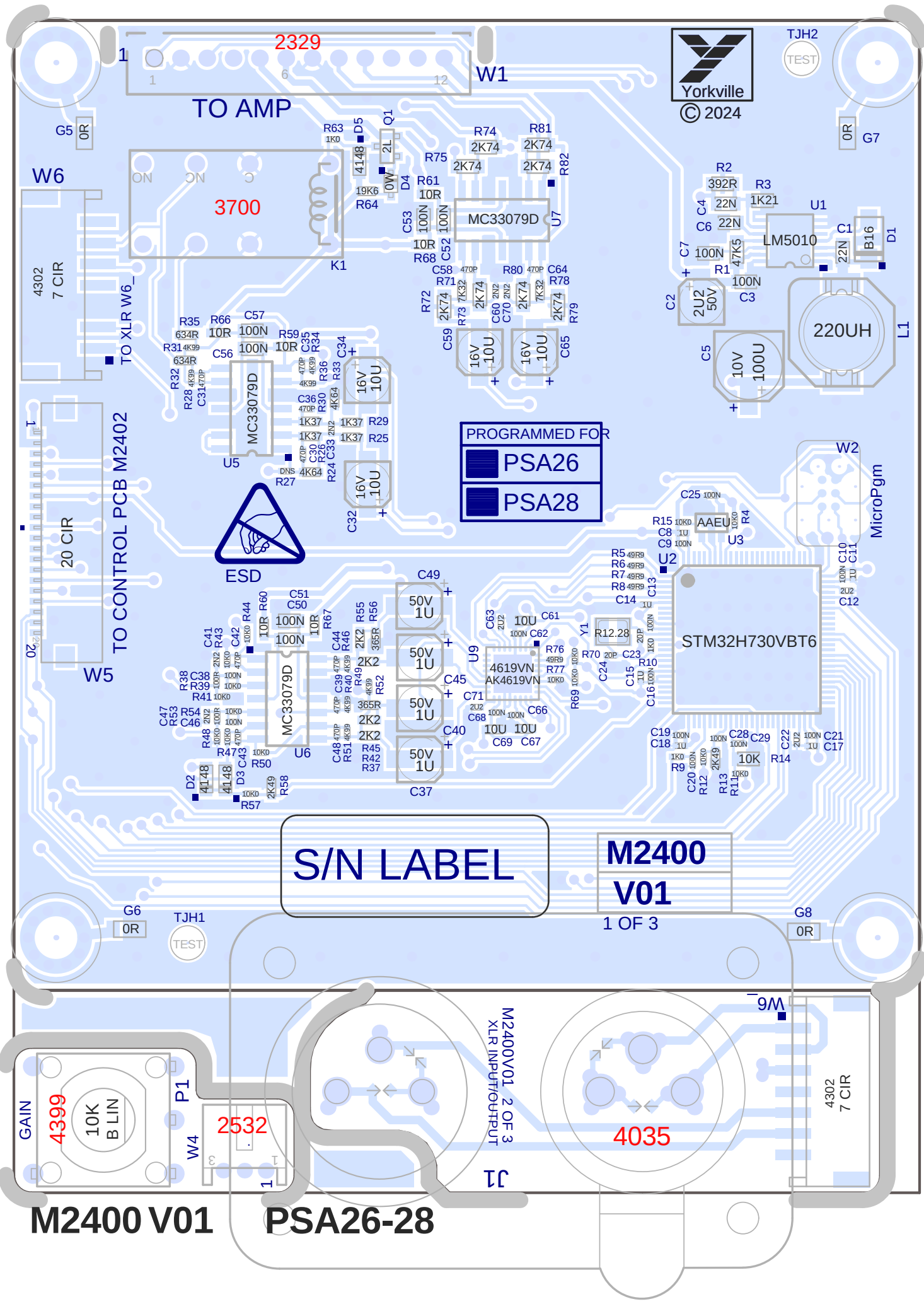

2329
W1
TO AMP
Yorkville
© 2024
TJH2
TEST
W6
3700
K1
4302
7 CIR
TO XLR W6_
MC33079D
U7
LM5010
U1
220UH
L1
PROGRAMMED FOR
PSA26
PSA28
ESD
W2
MicroPgm
U2
STM32H730VBT6
AAEU
U3
TO CONTROL PCB M2402
20 CIR
W5
MC33079D
U5
MC33079D
U6
4619VN
AK4619VN
U9
R12.28
Y1
S/N LABEL
M2400
V01
1 OF 3
TJH1
TEST
W9
GAIN
4399
10K
B LIN
P1
W4
2532
M2400V01 2 OF 3
XLR INPUT/OUTPUT
J1
4035
4302
7 CIR
M2400 V01
PSA26-28

PCB ASSEMBLY DOCUMENTATION

SPECIAL PRODUCTION NOTES

Before Wave

1. Place all hand place parts

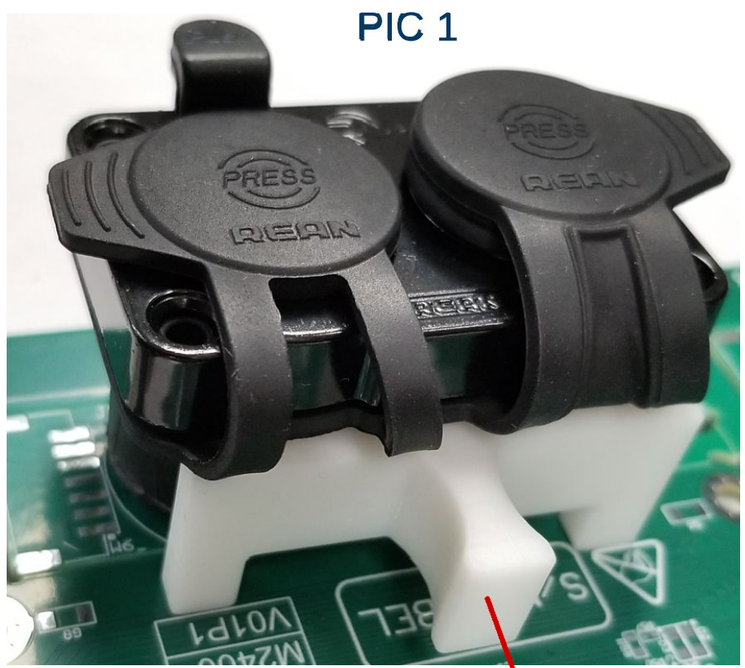
2. Use placement jig shown in PIC 1 to hold up connector J1 (YS# 4035)

After Wave

1. Inspect for shorts or opens in solder joints.

2. Separate panel using pizza cutter and appropriate tool where pizza cutter will not work.

PIC 1



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

Yorkville	Section: **Assembly Documentation**			
	Product(s): **PSA26-28**			
	PCB#: M2400	Rev#: V01	Eng: E. Saturnino	Sheet 2 Of 3
	Modified: 2025-01-17	File: Assembly.SchDoc		

CHANGE HISTORY

#	DATE	VER#	PC#	DESCRIPTION OF CHANGE
1	16-JAN-2025	V01	.	Released for Production
2	18-AUG-2025	.	10157	R41 and R48 changed to 10K0 (YS# 5172).
3	.	.	.	.
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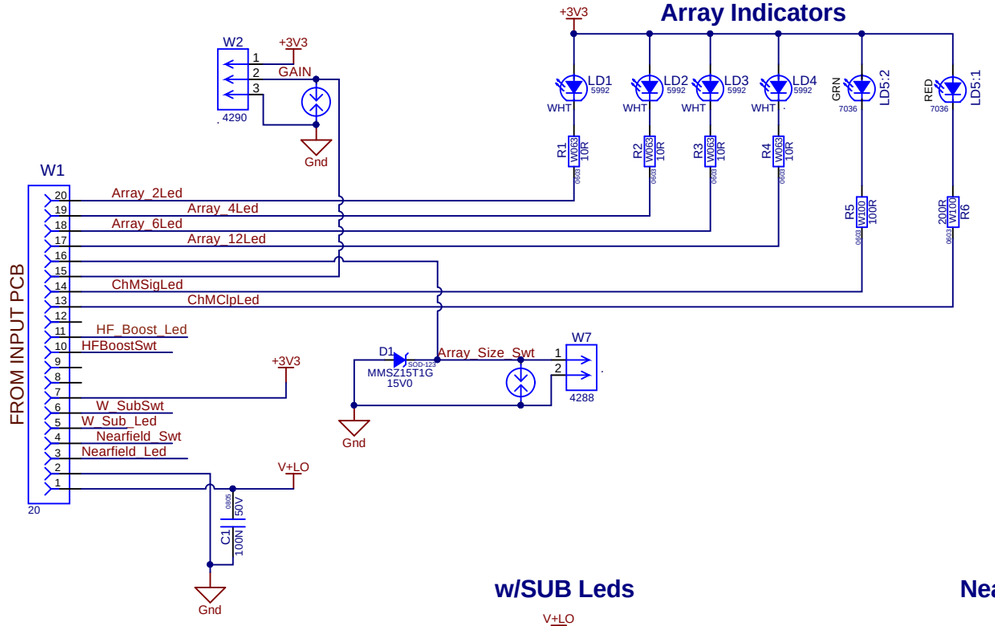
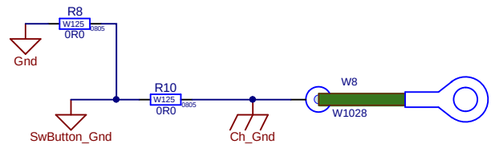
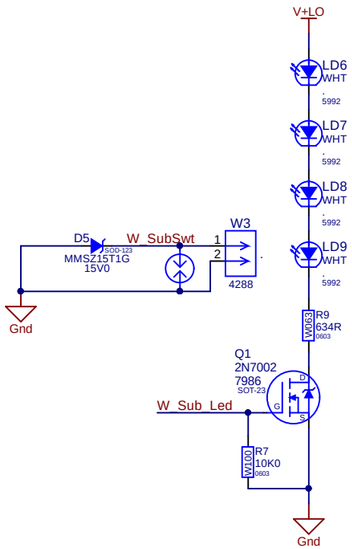
Array Indicators



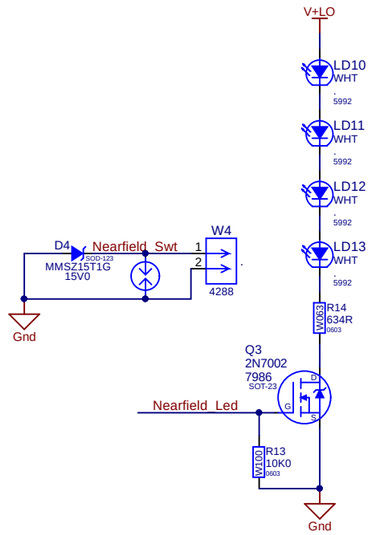
ESD Protection



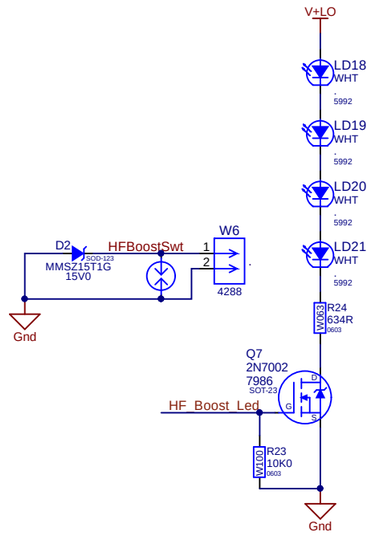
w/SUB Leds



Nearfield Leds



HF Boost Leds



Yorkville	Section: **Control Panel**			
	Product(s): **PSA26-28**			
	PCB#: M2402	Rev#: V02	Eng: E. Saturnino	Sheet 1 Of 2
	Modified: 2025-06-16	File: Controls.SchDoc		

CHANGE HISTORY

#	DATE	VER#	PC#	DESCRIPTION OF CHANGE
1	20-JAN-2025	V01	.	Released for Production
2	11-JUN-2025	V02	.	Released for Production - with ESD protection
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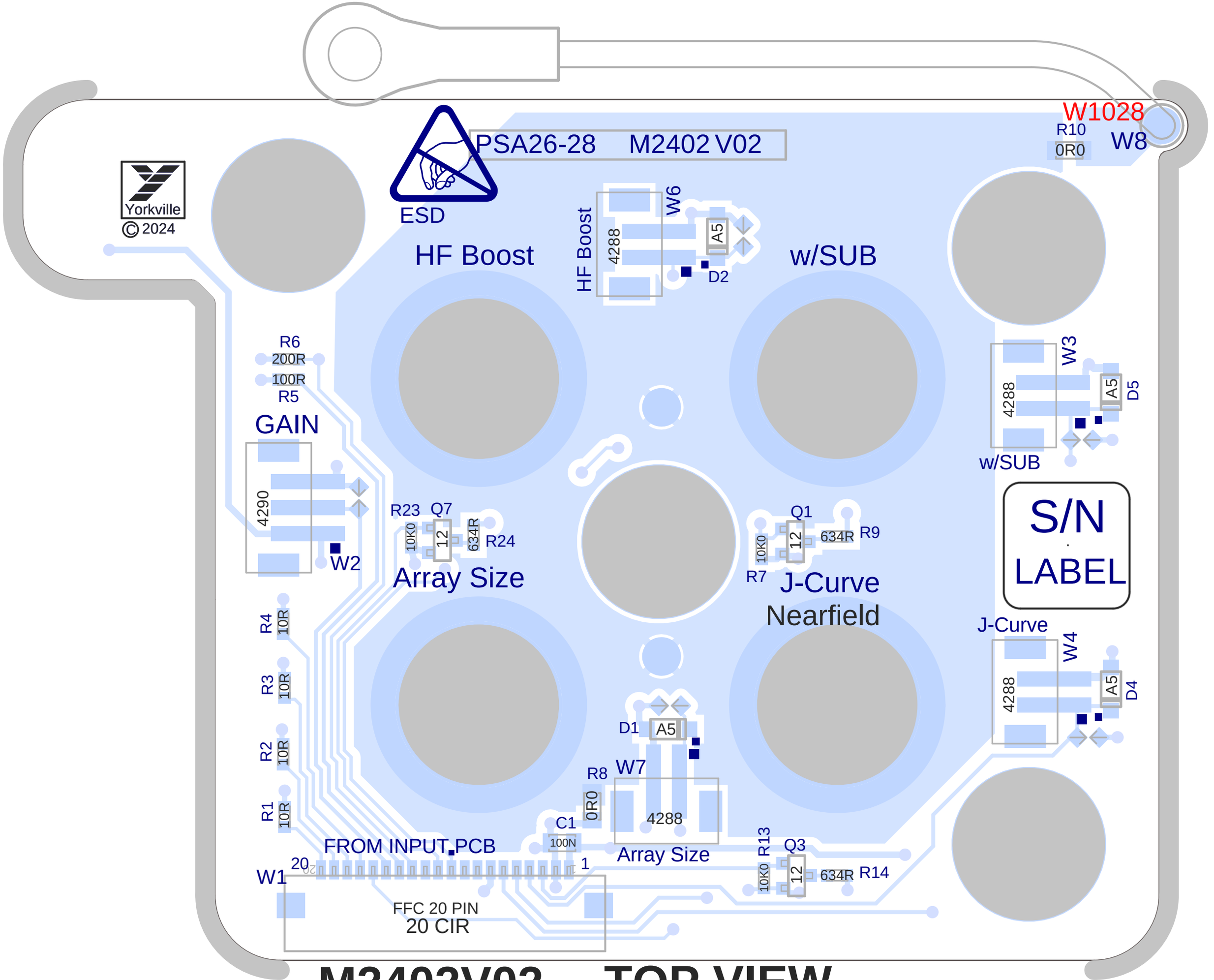
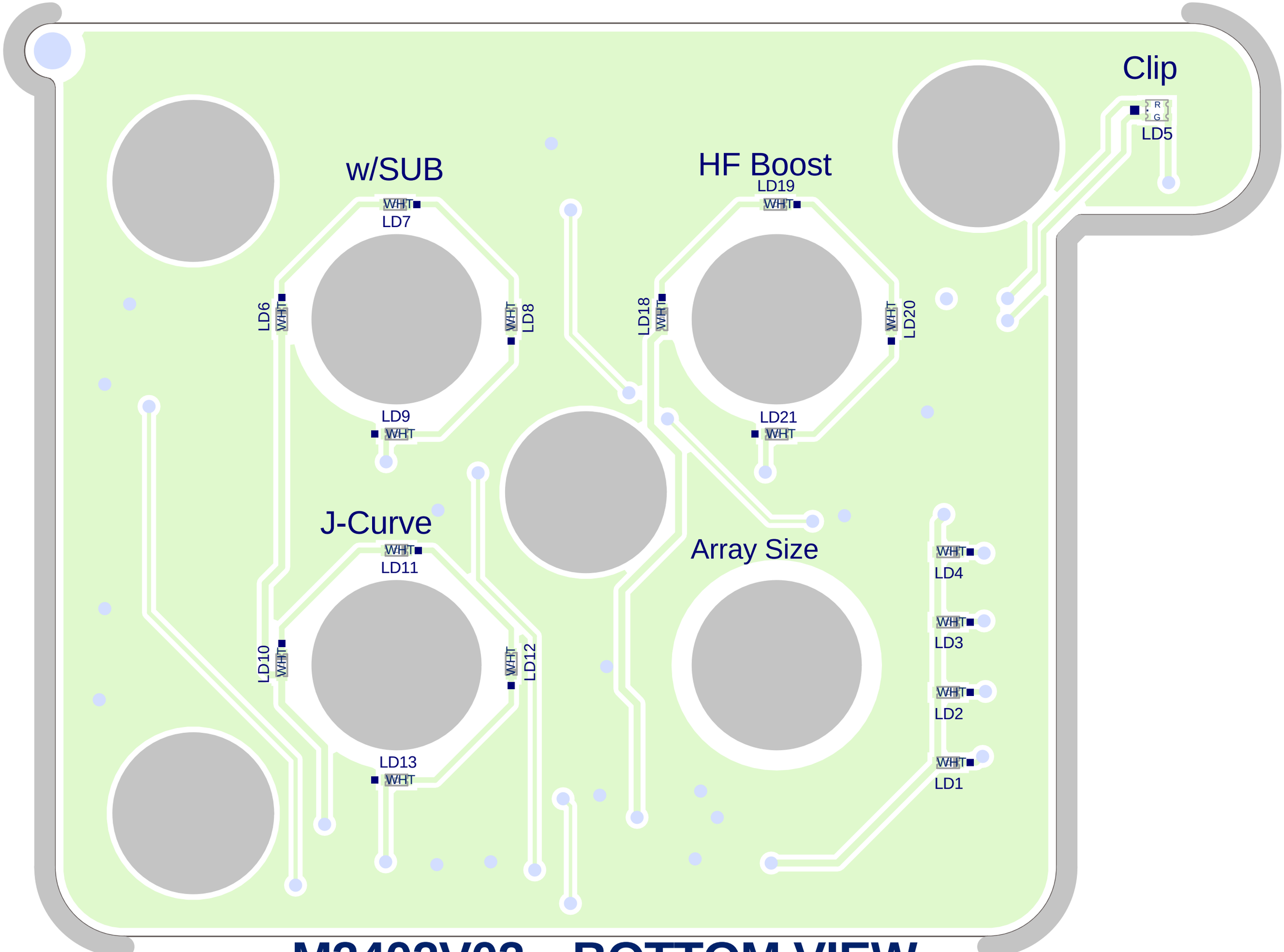


M2402V02 TOP VIEW



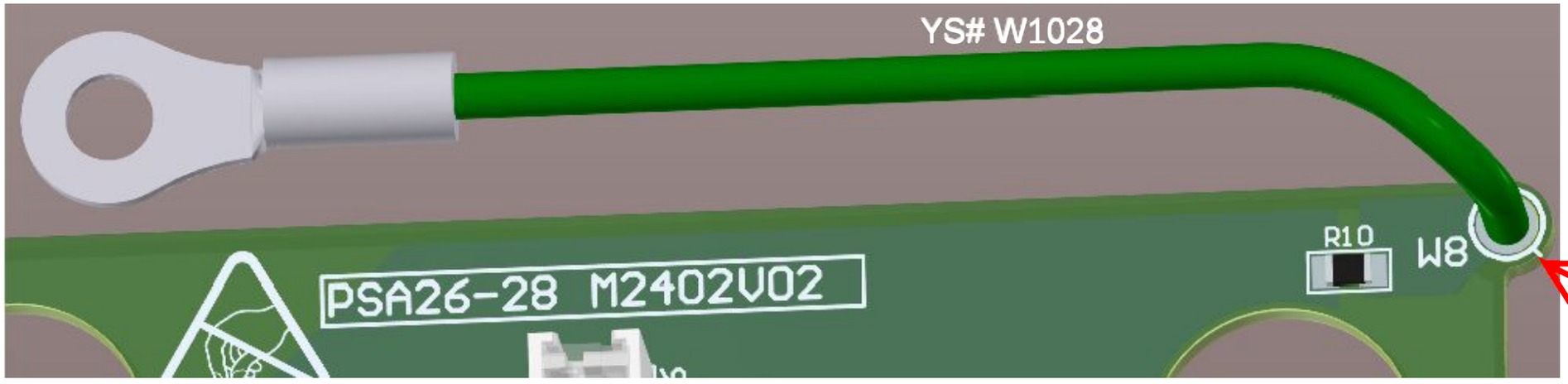
M2402V02 BOTTOM VIEW

PCB ASSEMBLY DOCUMENTATION

PRODUCTION NOTES

1. PCBSA: DO NOT WAVE SOLDER this board. Hand solder W8 (YS#1028) into pcb and clip lead short.

2. Use pizza cutter to separate pcbs from panel.



SEE NOTE 1.

Hand solder and clip the lead short

Yorkville	Section: **Assembly Documentation**		
	Product(s): **PSA26-28**		
PCB#: M2402	Rev#: V02	Eng: E. Saturnino	Sheet 3 Of 4
Modified: 2025-06-12	File: Assembly.SchDoc		

CHANGE HISTORY

#	DATE	VER#	PC#	DESCRIPTION OF CHANGE
1	20-JAN-2025	V01	.	Released for Production
2	11-JUN-2025	V02	.	Released for Production - with ESD protection
3	.	.	.	.
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Close to source of Q206

The parts enclosed in this box are critical safety components and can only be replaced by the appropriate YS part number.

AUX SUPPLY

LV SUPPLY

NOT PLACED

Assembly
A 120VAC
B 240VAC

Section:	SW PS
Product(s):	PSA26-28_120VAC
PCB#: M2410	Rev#: V01
Eng: E. Saturnino	Sheet 1 Of 2
Modified: 2025-09-22	File: POWER SUPPLY.SCHDOC

CHANGE HISTORY

#	DATE	VER#	PC#	DESCRIPTION OF CHANGE
1	29-JAN-2025	V01	.	Release for Production
2	22-SEP-2025	.	10162	Change D17 from 27V (YS 6307) to 24V (YS 8275)
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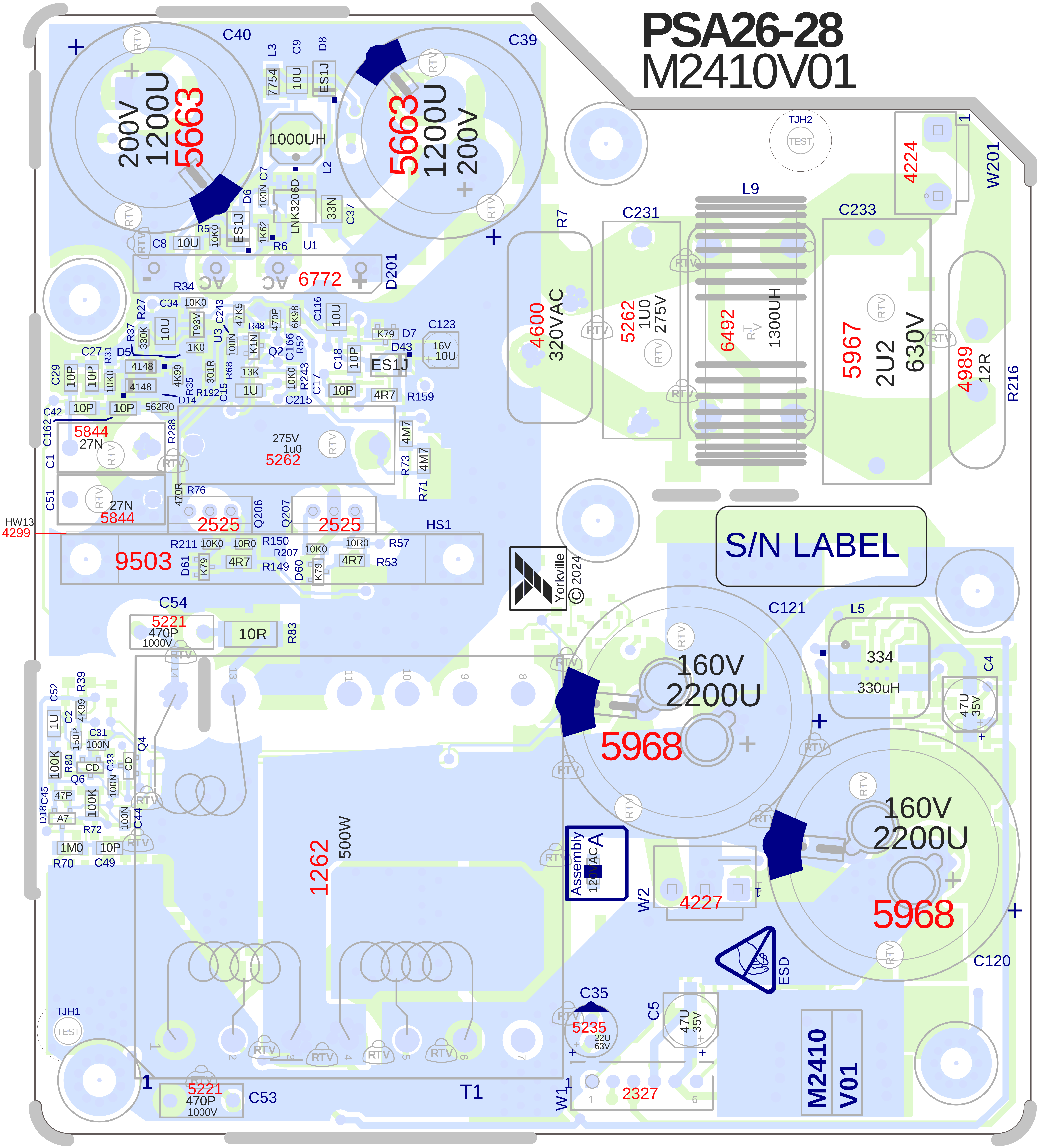
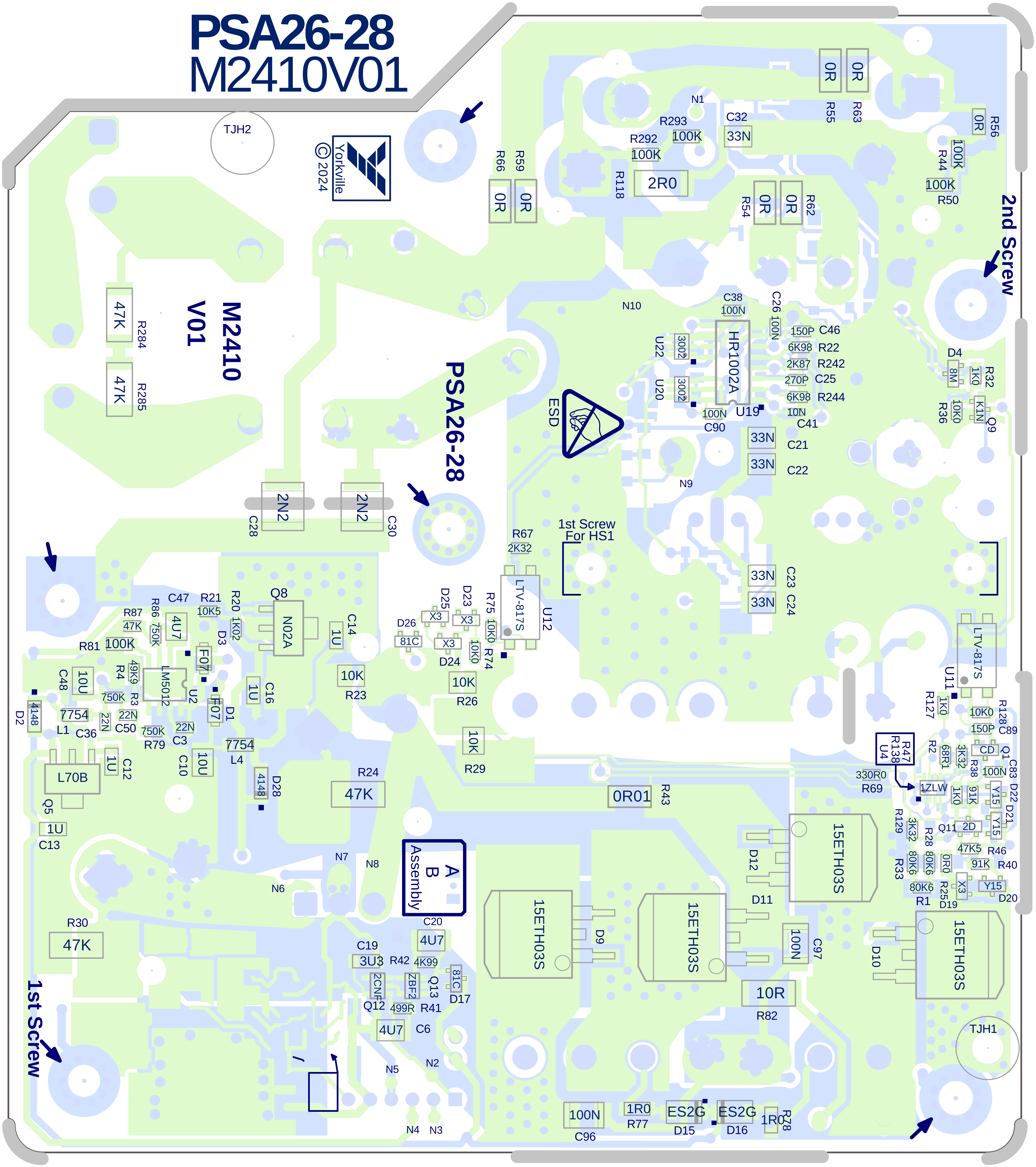

PSA26-28
M2410V01
C40
200V 1200U 5663
L3 7754
C9 10U
D8 ES1J
1000UH
L2
C7 100N
D6
LNK3206D
33N C37
U1
C39
5663 1200U 200V
R5 10K0
ES1J
1K62 R6
C8 10U
R34
AC AC 6772
D201
TJH2
TEST
4224
W201
L9
R7
C231
C233
4600 320VAC
5262 1U0 275V
6492
1300UH
5967 2U2 630V
4989 12R
R216
C34 10K0
R27 R37 330K 10U
T93V 1K0
U3 C243 100N
47K5 R48 K1N
470P 6K98
Q2 C166 R52
C116 10U
K79 D7
D43
C123 16V 10U
C18 10P
ES1J
C27 R31 D5
4148 4148
4K99 R35
301R R68
13K 1U
10K0 R243 C17
C215
10P 4R7 R159
C29 10P 10P 10K0
R192 C15 D14
C42 10P 10P 562R0
C162 5844 27N
C1
R288
275V 1u0 5262
4M7 R73 4M7 R71
C51 27N 5844
470R R76
2525 Q206
Q207 2525
HW13
4299
HS1
9503
R211 10K0 10R0 R150
R207 10K0 10R0 R57
D61 K79 4R7 R149
D60 K79 4R7 R53
Yorkville
© 2024
S/N LABEL
C54
5221 470P 1000V
10R R83
C121
L5
334
330uH
C4
47U 35V
160V 2200U
5968
C52 R39
1U C2 4K99
150P C31 100N
100K R80 CD C33 CD Q4
Q6 100N
C45 47P 100K
D18 A7 100N C44
R72
1M0 10P
R70 C49
1262 500W
Assembly
120VAC
A
W2
4227
160V 2200U
5968
C120
ESD
TJH1
TEST
1
5221 470P 1000V C53
T1
C35
5235 22U 63V
C5 47U 35V
W1
2327
M2410
V01


PSA26-28
M2410V01
TJH2
Yorkville
© 2024
M2410
V01
PSA26-28
47K R284
47K R285
R66 0R
R59 0R
N1
R293 100K
R292 100K
C32 33N
R118 2R0
R55 0R
R63 0R
R54 0R
R62 0R
R56 0R
R44 100K
R50 100K
2nd Screw
N10
C38 100N
C26 100N
U22 3002
U20 3002
HR1002A
U19
C90 100N
150P C46
6K98 R22
2K87 R242
270P C25
6K98 R244
10N C41
D4 8M
R32 1K0
R36 10K0
Q9 K1N
ESD
33N C21
33N C22
N9
C28 2N2
C30 2N2
R67 2K32
1st Screw
For HS1
LTV-817S U12
33N C23
33N C24
LTV-817S U11
R127 1K0
R128 10K0
C89 150P
R47
R138
U4
R2 68R1
3K32 R38
Q1 CD
C83 100N
R69 330R0
1ZLW
1K0
91K
D22 Y15
D21 Y15
R129 3K32
Q11 2D
R28
47K5 R46
91K R40
R33 80K6
80K6
0R0
R1 80K6
R25
D19 X3
D20 Y15
Q8 N02A
C47 4U7
R21 10K5
R20 1K02
R87 47K
R86 750K
D3 F07
R81 100K
C14 1U
D25 X3
D23 X3
D26 81C
D24 X3
R75 10K0
R74 10K0
C48 10U
R4 49K9
LM5012 U2
750K R3
D1 F07
C16 1U
10K R23
10K R26
D2 4148
L1 7754
C36 22N
C50 22N
R79 750K
C3 22N
L4 7754
10K R29
L70B
Q5
C12 1U
C10 10U
D28 4148
R24 47K
0R01 R43
C13 1U
N7
N8
N6
A
B
Assembly
15ETH03S D12
D11
15ETH03S D9
15ETH03S
C97 100N
15ETH03S D10
R30 47K
C20 4U7
C19 3U3
R42 4K99
Q12 2CNF
Q13 ZBF2
D17 81C
R41 499R
C6 4U7
10R R82
1st Screw
N5
N2
N4
N3
TJH1
C96 100N
R77 1R0
D15 ES2G
D16 ES2G
R78 1R0

PCB ASSEMBLY DOCUMENTATION

PRODUCTION NOTES

BEFORE WAVE

1. Mount gap pad 4299 on side of heatsink 9503 as shown in PIC 1. Use hole pattern in picture to place the gap pad on the correct side where transistors will be mounted.

2. Use HS jig to align heatsink 9503 on panel, then fasten heatsink 9503 to pcb using M3 X 8 screw 9441 in 2 places. See PIC 2.

3. Use XSTR mtg jig to hold and placeYS# 2525 (Q206,Q207) into board.

4. Then fasten clips 4108 on to the heatsink in places as shown in PIC 3. Use screw 9445 and washer 3501. It is best to do this before stuffing C39 and C40 for easier access to 9445 mounting screws.

5. Proceed to place all the rest of the hand placed parts.

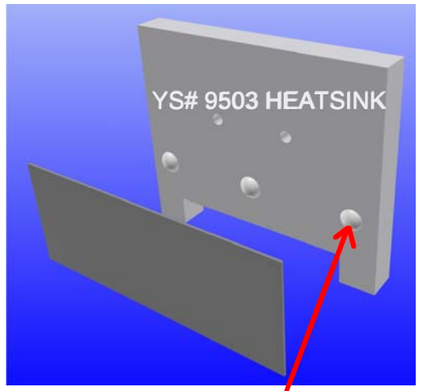
6. Mount 2 panels onto the wave shield. A wave shield must be used.

AFTER WAVE

1. Apply RTV between tall caps and in areas indicated. See Assembly page 4 for photographic details.

2. Separate panel using the appropriate tools. Use a pizza cutter where possible.

PIC 1a

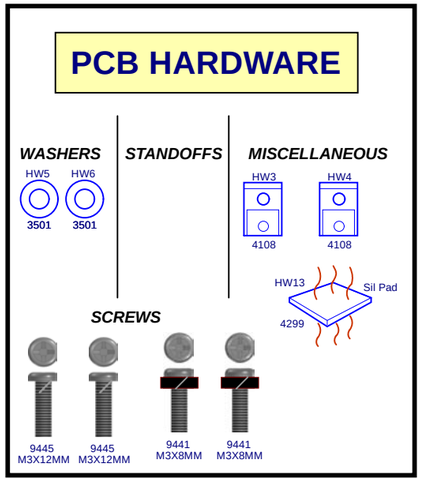


OPTIONAL: APPLY DABS OF THERMAL GOOP IN AREA SHOWN TO ENABLE GAP PAD TO ADHERE TO HEATSINK

PIC 1b

ALIGN AND APPLY GAPPAD YS# 4299 ALONG RAISED EDGE OF HEATSINK YS# 9503 AS SHOWN ENSURE THAT GAP PAD IS GENTLY FLATTENED ON SURFACE OF HEATSINK SO THERE ARE NO BUBBLES OR RIDGES ON SURFACE OF GAP PAD.

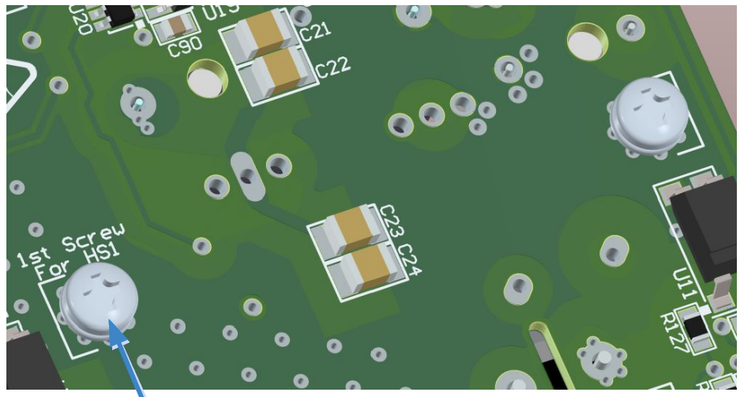
PCB HARDWARE



HS JIG

XSTR MTG JIG

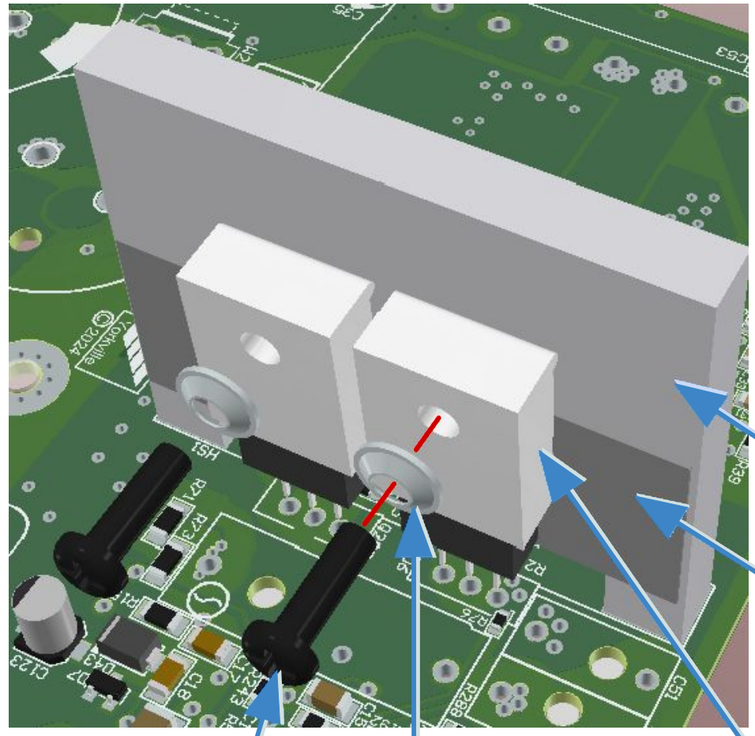
PIC 2



YS# 9441 M3 X 8MM SCREW (2)

MOUNT 9503 HEATSINK AS SHOWN IN 2 PLACES

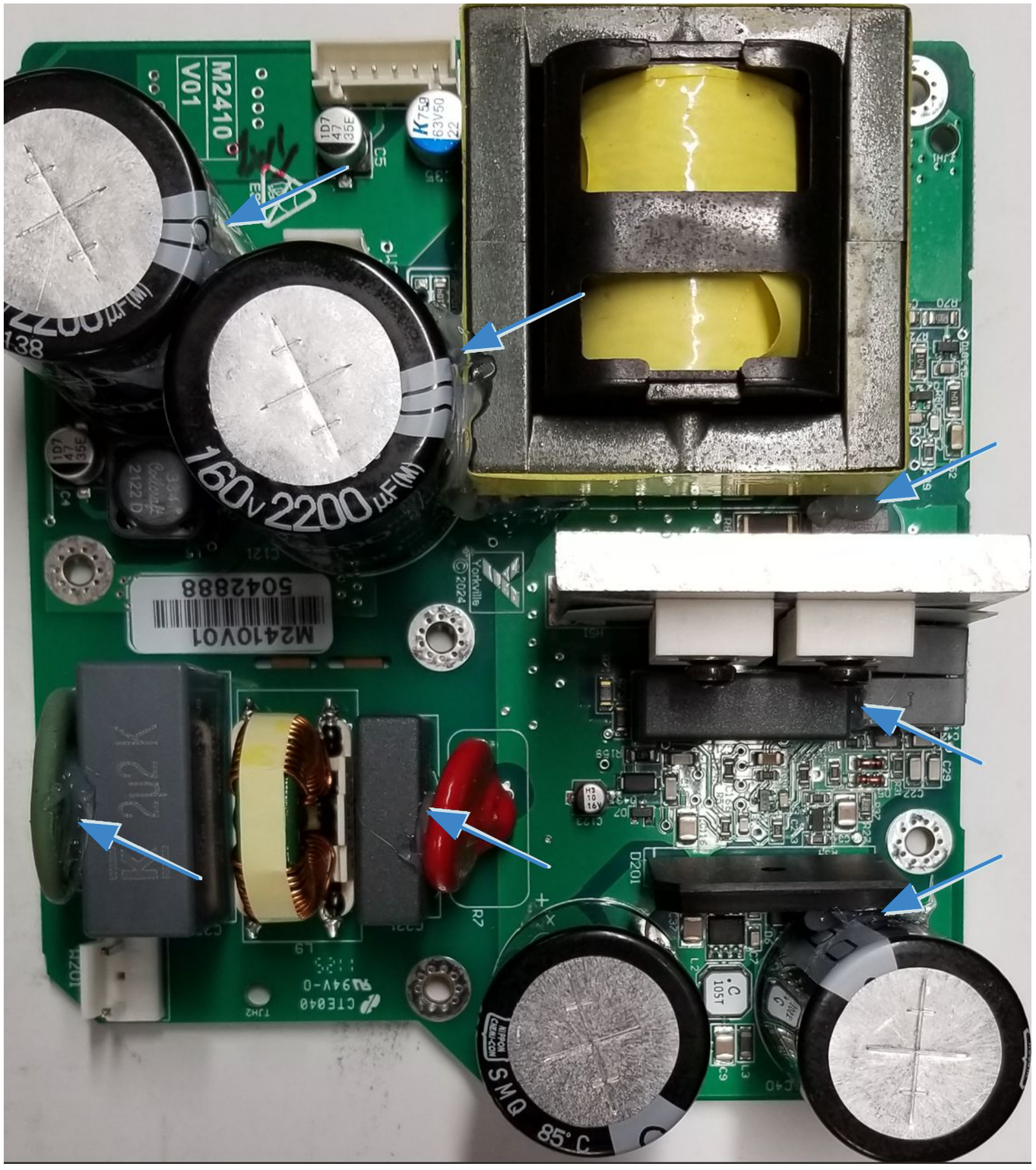
PIC 3

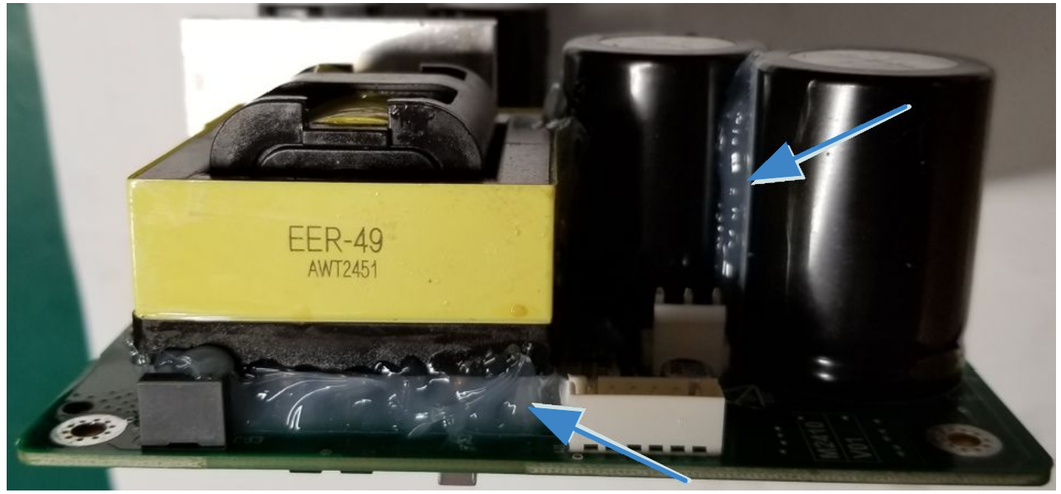


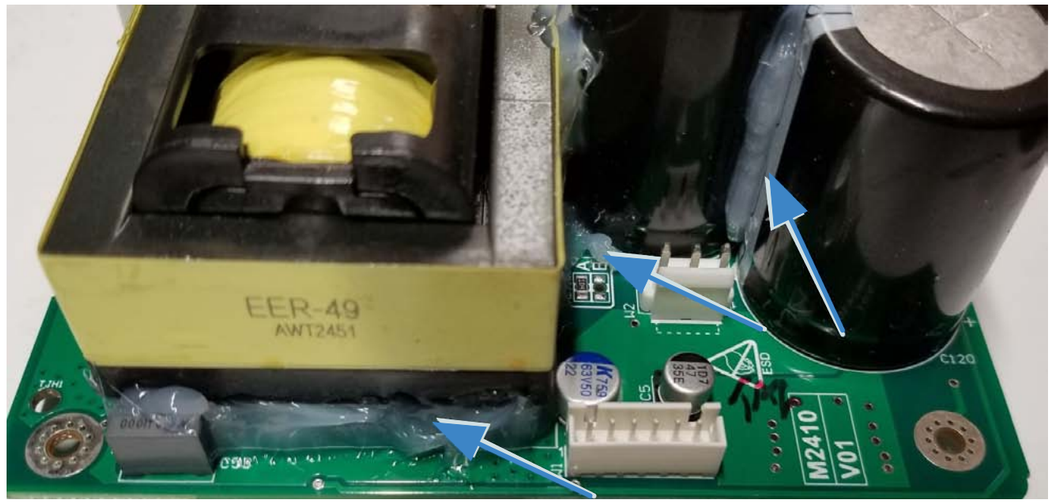
THIS SHEET CONTAINS SPECIAL PRODUCTION NOTES AND A LIST OF PCB HARDWARE PARTS REQUIRED FOR THE BUILD.

Yorkville	Section: **Assembly Documentation**			
	Product(s): **PSA26-28_120VAC**			
	PCB#: M2410	Rev#: V01	Eng: E. Saturnino	Sheet 3 Of 5
	Modified: 2025-07-04	File: Assembly.SchDoc		

RTV APPLICATION DETAIL







NOTE: RTV all holes under caps and coils per normal process.
See layout pdf for indicated areas.

Yorkville	Section: Assembly Documentation			
	Product(s): PSA26-28_120VAC			
	PCB#: M2410	Rev#: V01	Eng: E. Saturnino	Sheet 4 Of 5
	Modified: 2025-07-04	File: Assembly2.SchDoc		

CHANGE HISTORY

#	DATE	VER#	PC#	DESCRIPTION OF CHANGE
1	29-JAN-2025	V01	.	Release for Production
2	22-SEP-2025	.	10162	Change D17 from 27V (YS 6307) to 24V (YS 8275)
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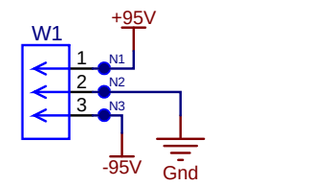
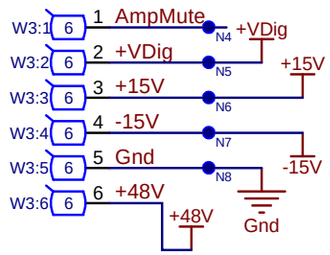
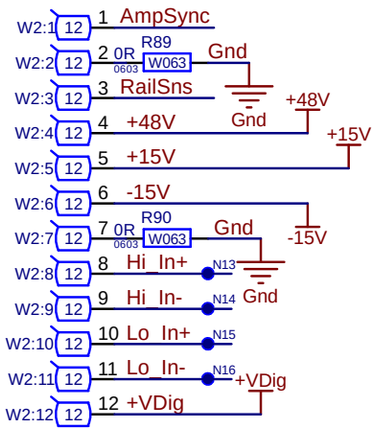
TOP LEVEL SHEET

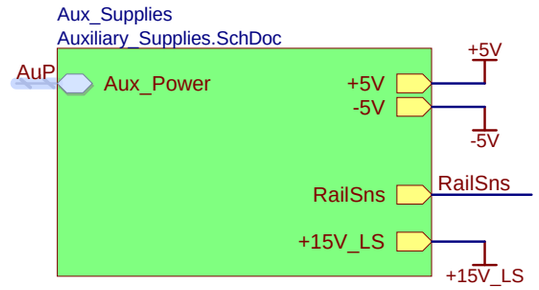
From Power Supply Board

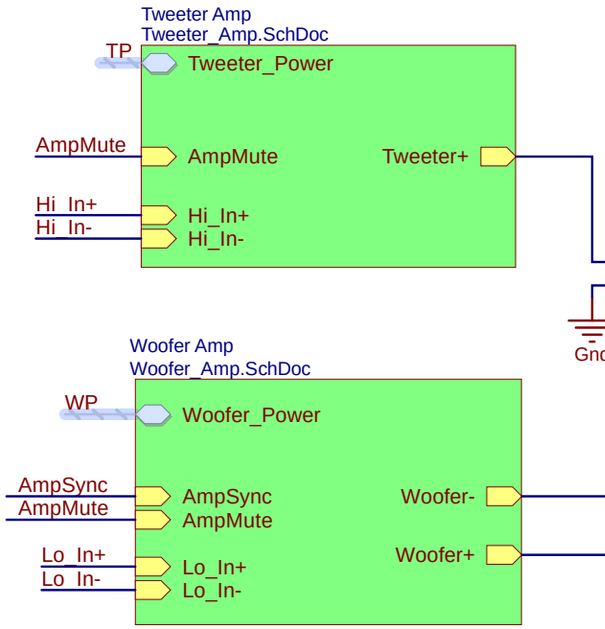


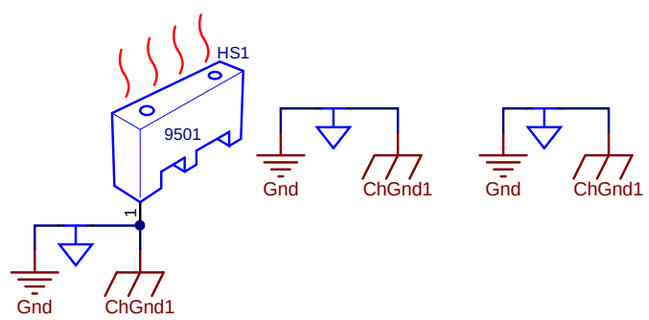


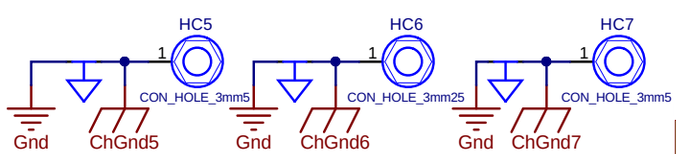
To/From Input Board

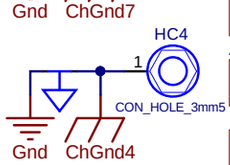




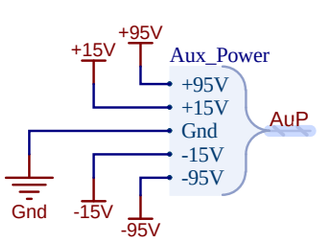


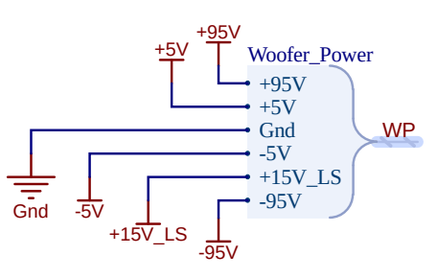


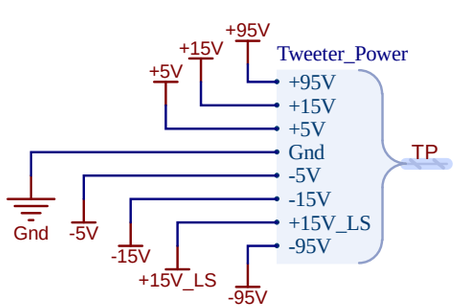




ECO.SchDoc
ECAD INCIDENTAL
Assembly.SchDoc
ASSEMBLY NOTES
History.SchDoc
DESIGN HISTORY

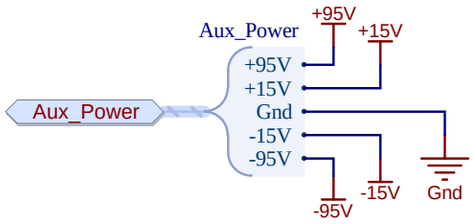


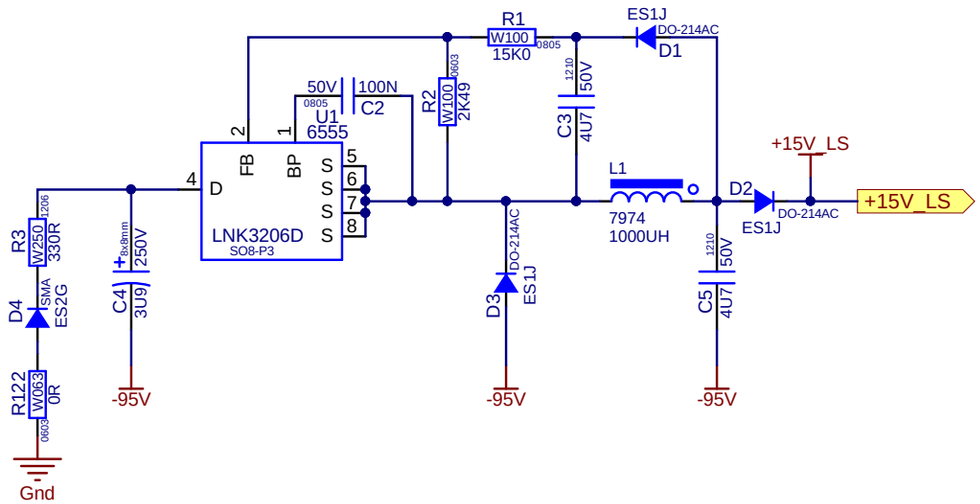


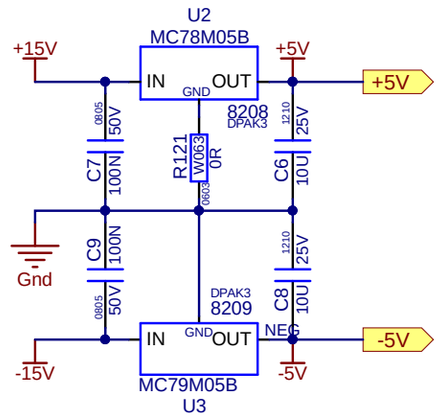


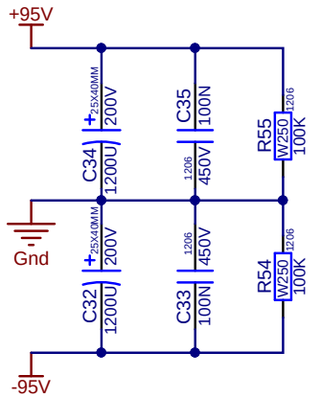
Yorkville

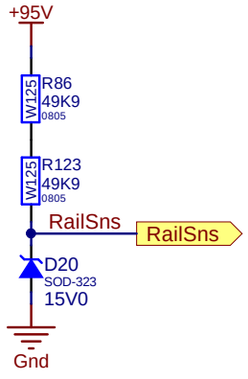
Section: **Amplifier**			
Product(s): **PSA26-28**			
PCB#: M2456	Rev#: V01	Eng: OK, ES	Sheet 1 Of 4
Modified: 2025-03-06	File: Top Sheet.SchDoc		









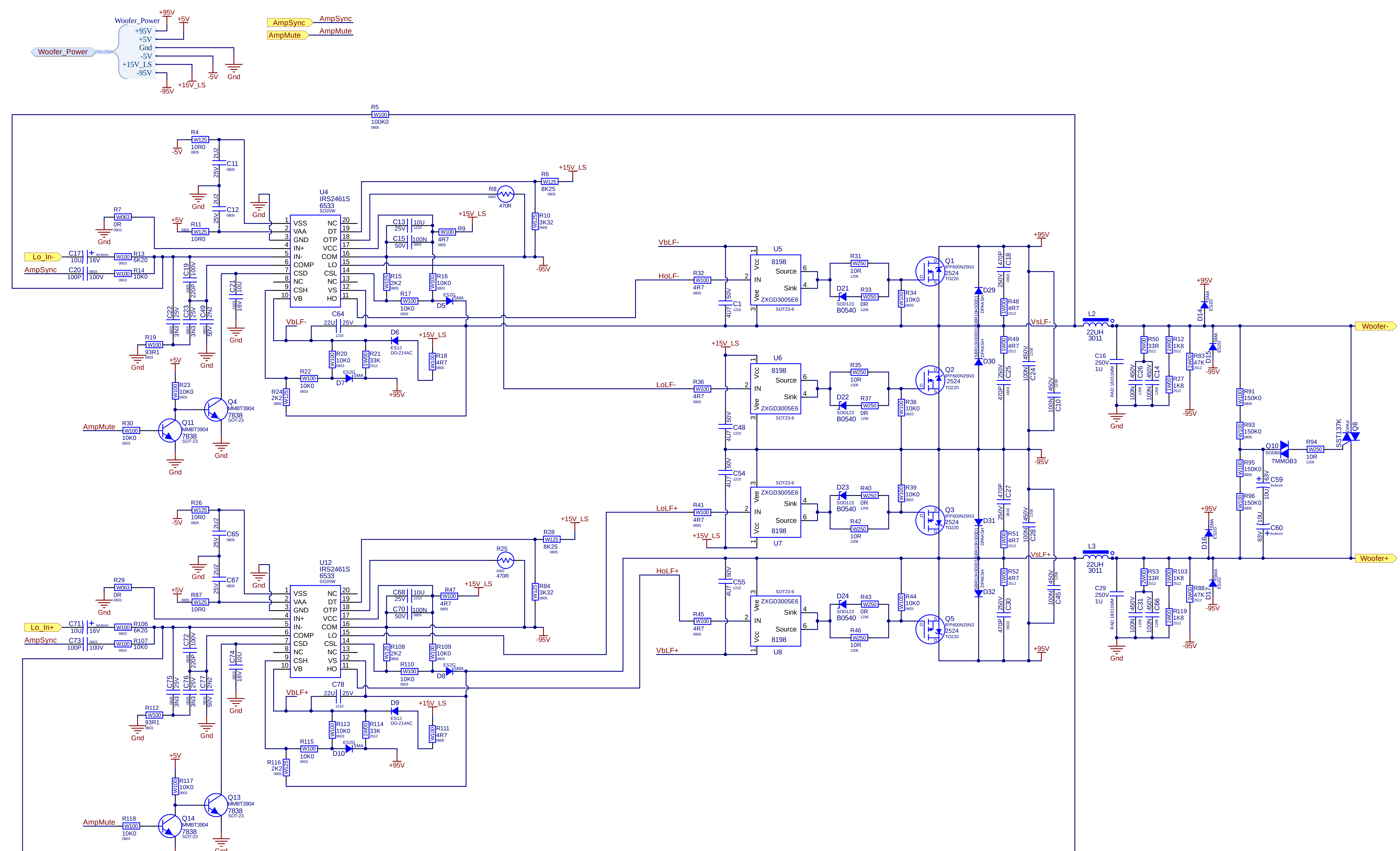


Yorkville

Section: **Auxiliary Supplies**

Product(s): **PSA26-28**

PCB#: M2456	Rev#: V01	Eng: OK, ES	Sheet 2 Of 5
Modified: 2025-03-06	File: Auxiliary_Supplies.SchDoc		

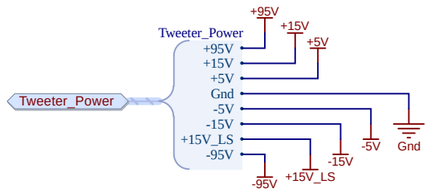


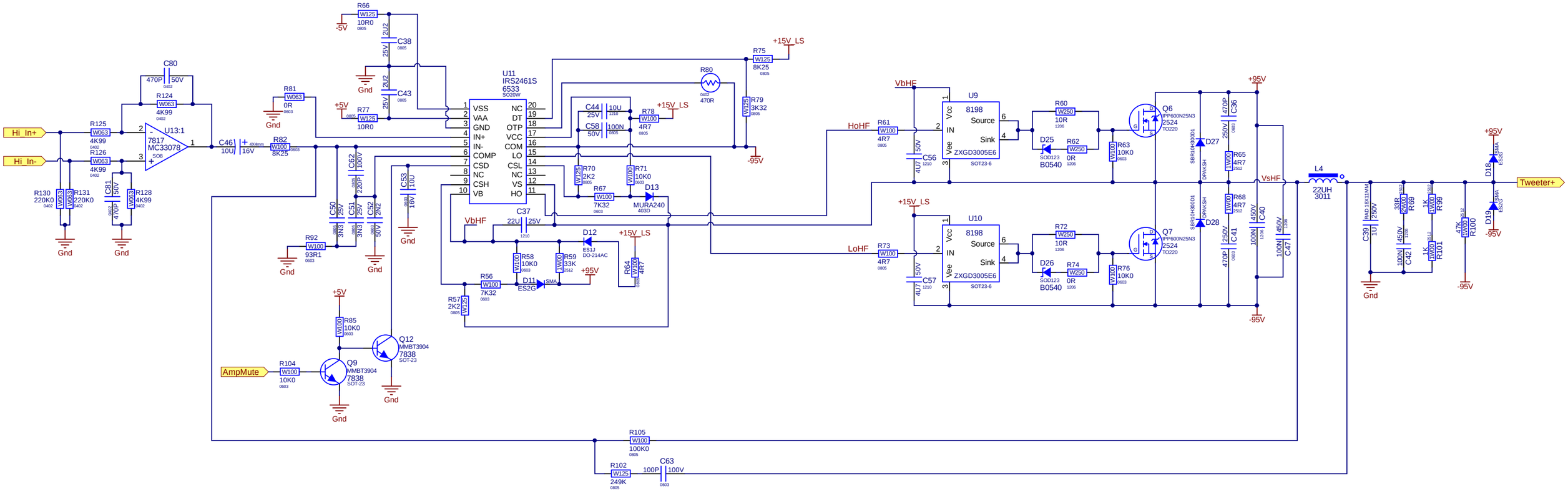
Section: **Woofer Amp**

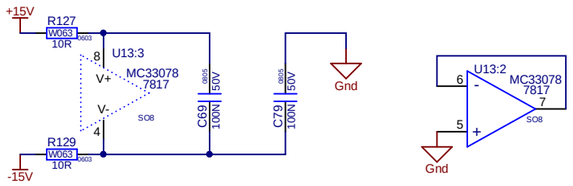
Product(s): **PSA26-28**

PCB#: M2456 | Rev#: V01 | Eng: OK, ES | Sheet 3 Of 5

Modified: 2025-03-06 | File: Woofer_Amp.SchDoc







Yorkville	Section: **Tweeter Amp**		
	Product(s): **PSA26-28**		
PCB#: M2456	Rev#: V01	Eng: OK, ES	Sheet 4 Of 5
Modified: 2025-03-06	File: Tweeter_Amp.SchDoc		

CHANGE HISTORY

#	DATE	VER#	PC#	DESCRIPTION OF CHANGE
1	30-JAN-25	V01	.	Released for Production
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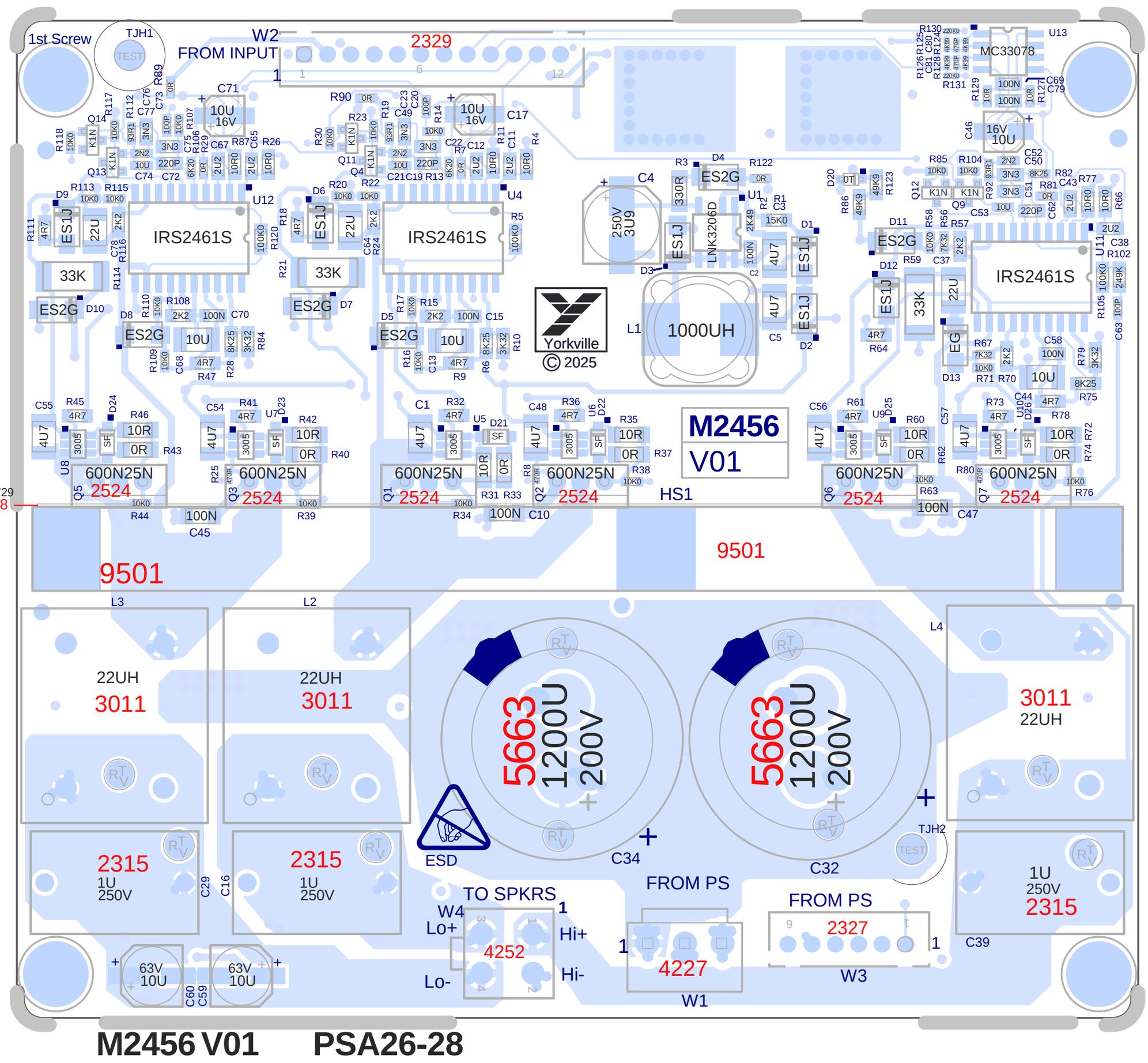
1st Screw
TJH1
TEST
W2
FROM INPUT
2329
MC33078
U13
IRS2461S
U12
U4
33K
ES2G
ES1J
LNK3206D
U1
250V
3U9
C4
L1
1000UH
Yorkville
© 2025
M2456
V01
600N25N
2524
HS1
9501
22UH
3011
2315
1U
250V
5663
1200U
200V
ESD
C34
C32
TJH2
FROM PS
TO SPKRS
W4
Lo+
Lo-
Hi+
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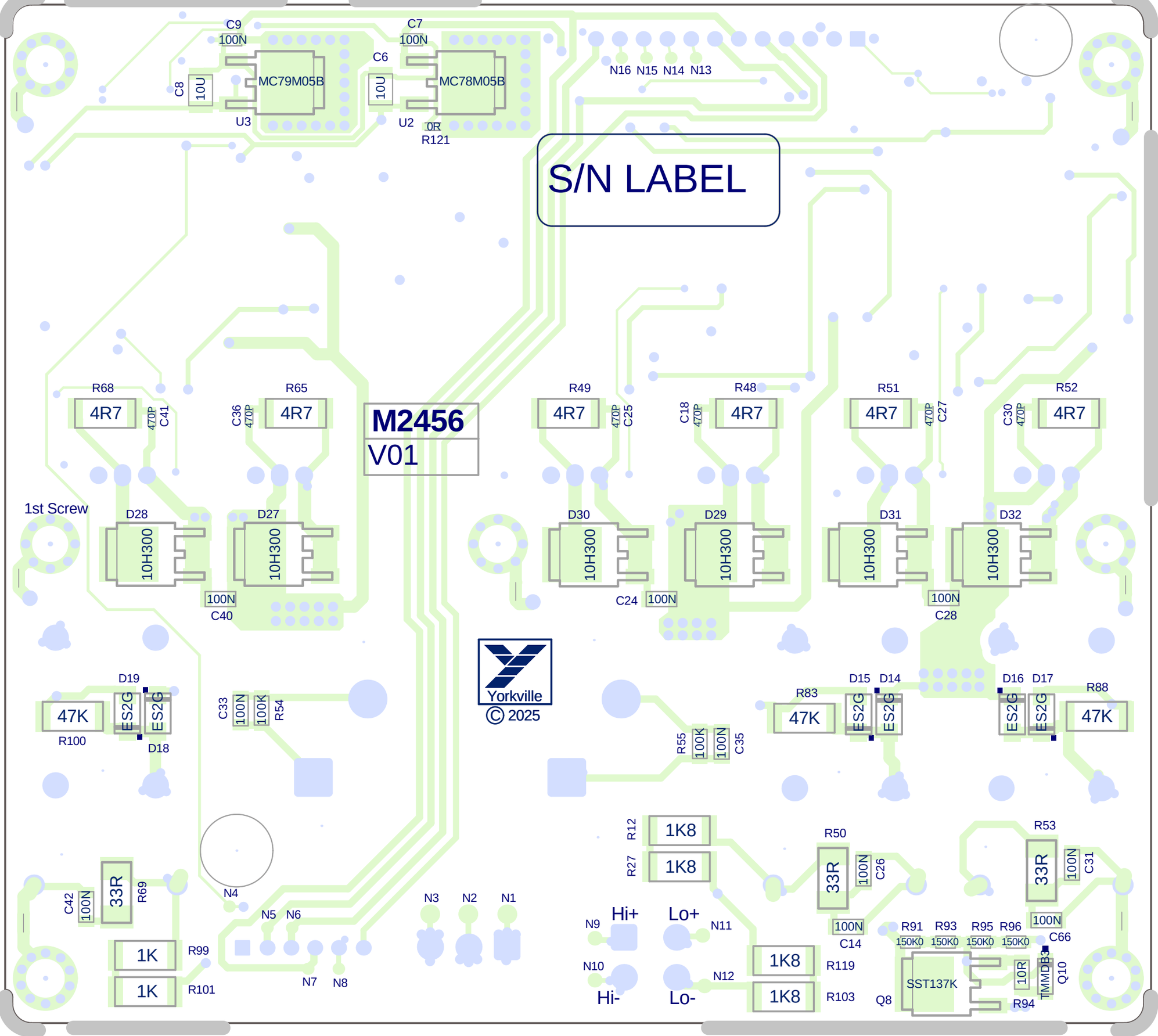
4252
4227
W1
2327
W3
63V
10U
C39
M2456 V01 PSA26-28



M2456 V01 PSA26-28

PCB ASSEMBLY DOCUMENTATION

PRODUCTION NOTES

BEFORE WAVE

1. Place YS# 8607 on center pins of YS# 2524 (Q1,Q2,Q3,Q5.Q6,Q7) then place into board.

2. Proceed to place all the rest of the hand placed parts.

3. Mount 2 panels onto the wave shield. A wave shield must be used.

4. Align transistors (Q1,Q2,Q3,Q5.Q6,Q7) using alignment jig as shown in PIC 1 then put through wave soldering machine.

AFTER WAVE

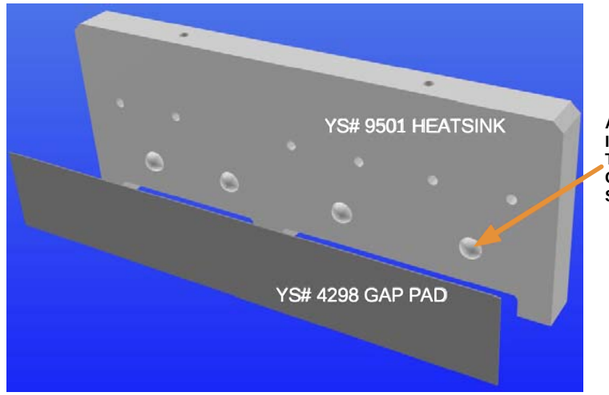
1. Mount gap pad 4298 on side of heatsink 9501 as shown in PIC 2. Use hole pattern in picture to place the gap pad on the correct side where transistors will be mounted.

2. Using 4-40 screw 8742 and washer 3501, fasten heatsink 9501 to pcb in 3 places. See PIC 3.

3. Then screw clips 4108 on to the heatsink in places as shown in PIC 4.

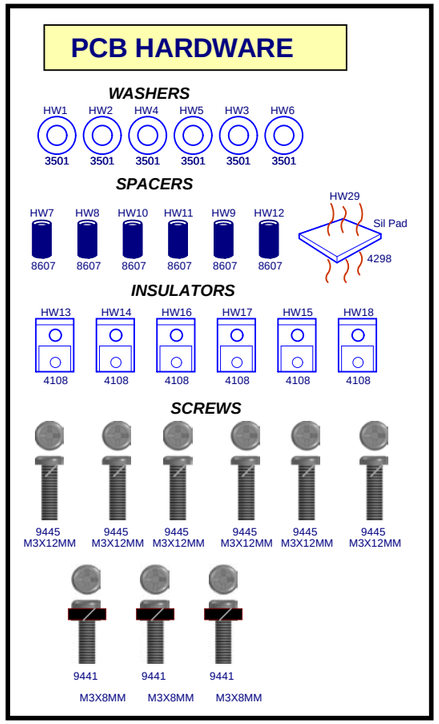
4. Separate panel using the appropriate tools. Use a pizza cutter where possible.

PIC 2a

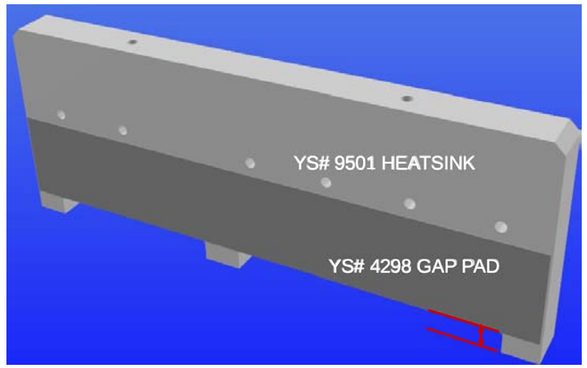


APPLY SMALL DABS OF THERMAL GOOP IN AREAS SHOWN TO ENABLE GAP PAD TO ADHERE TO HEATSINK ENSURE THAT GAP PAD IS GENTLY FLATTENED ON SURFACE OF HEATSINK

PCB HARDWARE

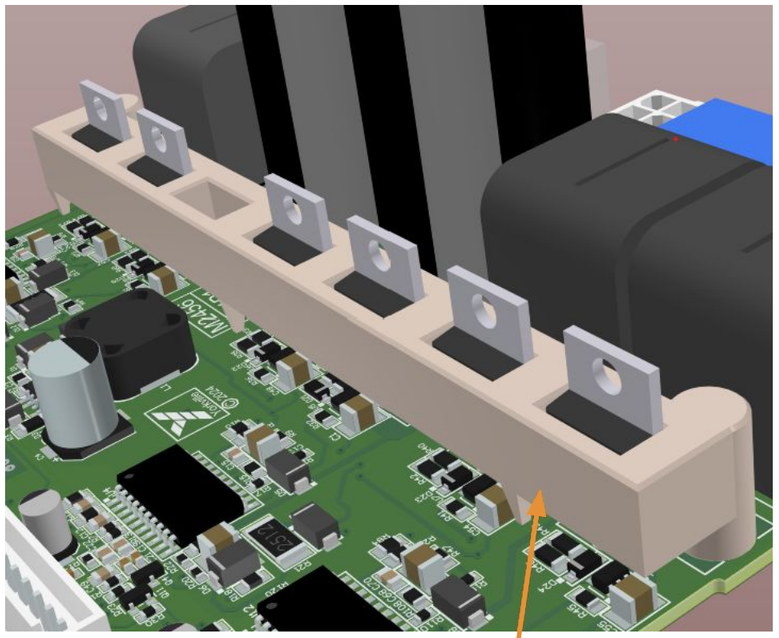


PIC 2b



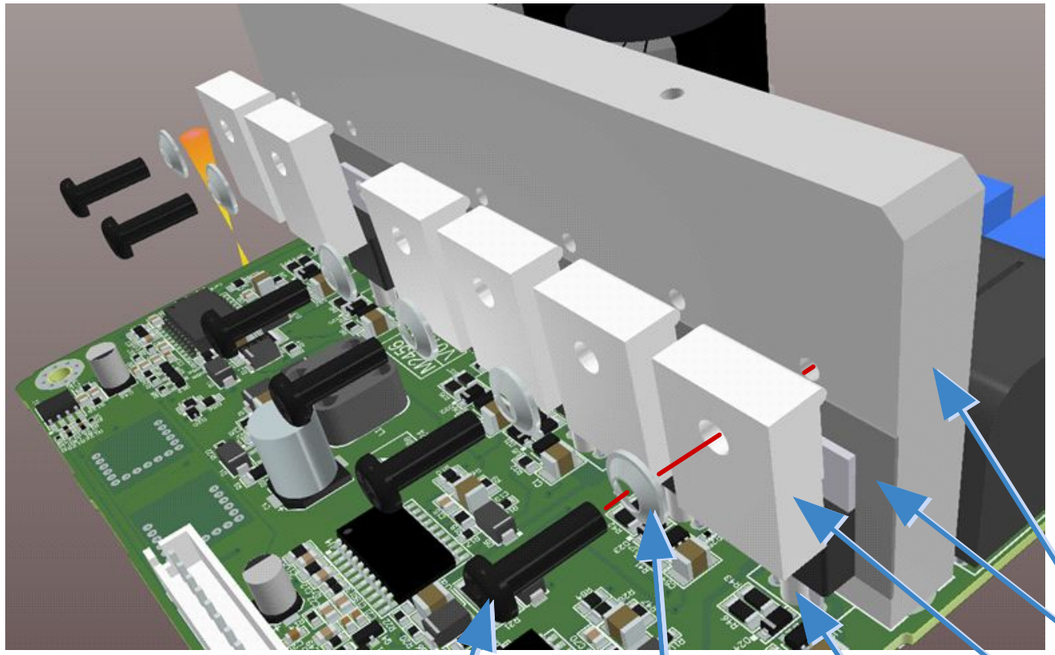
ALIGN ALONG RAISED EDGE OF HEATSINK YS# 9501 AND APPLY GAPPAD YS# 4298 AS SHOWN

PIC 1

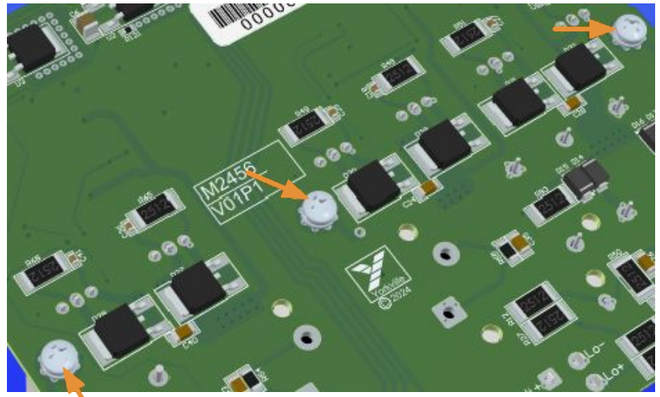


PLACE M2456 XSTR JIG BEFORE WAVE

PIC 4



PIC 3



YS# 9441 M3X8 (3)

MOUNT 9501 HEATSINK AS SHOWN IN 3 PLACES

Yorkville	Section: Assembly Documentation			
	Product(s): PSA26-28			
	PCB#: M2456	Rev#: V01	Eng: OK, ES	Sheet 3 Of 4
	Modified: 2025-03-06	File: Assembly.SchDoc		

CHANGE HISTORY

#	DATE	VER#	PC#	DESCRIPTION OF CHANGE
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PARALINE SERIES

PSA Series Powered Enclosures

With essential features and a simple, convenient workflow, the Paraline Series from Yorkville Sound is a compact array system that can be used in ground stack and flown configurations. Please note that all controls are local and must be adjusted on each connected enclosure.

1. Main In / Main Out

Input and output jacks are connected in parallel. To link multiple cabinets, start by connecting the input signal to the Main In jack of the first enclosure. Connect the Main Out to the Main In of the next cabinet in the array, repeating until every enclosure has an input signal.

2. Gain Control

This sets the output level of the enclosure so you can balance volume across the entire system. The light above the Gain knob will illuminate green to indicate signal activity, orange to indicate limiting, and red to indicate clipping. The activity and clipping indicators monitor the input signal before the Gain control, and the limiter is post-gain. Levels should optimally be so that, with the Gain control at the 12:00 position, the LED is primarily green during use and the red clipping indicator does not illuminate.

3. w/SUB Switch

This activates a 100 Hz high-pass filter that should be enabled when using the enclosure with a subwoofer. The switch ring will illuminate when active.

4. HF Boost Switch

This activates a 2 dB boost to the HF section, to help boost high-end clarity when projecting to the back of the audience area. The switch ring will illuminate when active.

5. Nearfield Switch

This reduces the output level of the horn. We recommend activating this switch on enclosures, which are generally aimed at those sections of the audience sitting closest to the PA System. The switch ring will illuminate when active.

6. Array Size Selection

This provides EQ compensation to counteract the low-frequency buildup that can occur as multiple enclosures are used together. Set based on the total number of enclosures in each vertical array. Compensation is off at the 0-3 setting, mild at 4-6, moderate at 7-9, and heavy at 10-12.

7. Stand Mounting Adapter

The enclosures feature built-in adaptors for use with a Yorkville SW-TUBEHD mounting pole. A maximum of two top enclosures can be used together on a SW-TUBEHD with a subwoofer as the base. We do not recommend using a tripod stand as the base unless it is specifically design to hold line array enclosures without tipping.

WARNING: Any base must be on a flat, level surface. Please carefully observe all guidance regarding weight limits and the maximum size or number of enclosures that can be mounted on the base and pole.

8. Flying Rig

Please refer to the supplemental Rigging Manual.

9. IP54 Rating

PSA26 and PSA28 enclosures have an IP54 rating, meaning they are rated for outdoor use and protected against dust and splashing water. IP ratings are determined by rigorous testing at an independent facility.

Please note that the enclosures are not protected against high-pressure water jets or submersion in water. For safe outdoor use, any powerCON® TRUE1 or XLR connections must be fully inserted, and the protective covers or gaskets for unused connectors must be seated correctly.

10. AC Line Loop Through

The enclosures feature powerCON® TRUE1 outlets that allow power to pass through to another unit. Please refer to the Owner's Manual for more details.

To get the full Owner's Manual please visit our website at
http://www.yorkville.com/manuals/ or, if you need a printed version call **905-837-8777**

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Fax: 716-297-3689

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PARALINE SERIES

PSA Series Powered Enclosures

Avec des caractéristiques essentielles et un flux de travail simple et pratique, la série Paraline de Yorkville Sound est un système d'array compact qui peut être utilisé dans des configurations au sol ou suspendues. Veuillez noter que toutes les commandes sont locales et doivent être ajustées sur chaque enceinte connectée.

1. Entrée Principale / Sortie Principale (Main In / Main Out)

Les prises d'entrée et de sortie sont connectées en parallèle. Pour relier plusieurs enceintes, commencez par connecter le signal d'entrée à la prise Main In de la première enceinte. Connectez la sortie principale à l'entrée principale de l'armoire suivante, en répétant l'opération jusqu'à ce que chaque enceinte reçoive un signal d'entrée.

2. Commande de Gain

Cette commande règle le niveau de sortie de l'enceinte afin d'équilibrer le volume dans l'ensemble du système. Le voyant au-dessus du bouton Gain s'allume en vert pour indiquer l'activité du signal, en orange pour indiquer la limitation et en rouge pour indiquer l'écrêtage. Les indicateurs d'activité et d'écrêtage surveillent le signal d'entrée avant la commande de gain, et le limiteur est après le gain. Les niveaux doivent être optimaux pour que, lorsque la commande de gain est en position 12:00, l'indicateur soit principalement vert pendant l'utilisation et que l'indicateur rouge d'écrêtage ne s'allume pas.

3. Interrupteur « w/SUB »

Cet interrupteur active un filtre passe-haut de 100 Hz qui doit être activé lorsque l'enceinte est utilisée avec un caisson de basse. L'anneau de l'interrupteur s'allume lorsqu'il est activé.

4. Interrupteur « HF Boost »

Cet interrupteur active une amplification de 2 dB pour aider la clarté des aigus lors de la projection vers l'arrière de la zone d'audience. L'anneau de l'interrupteur s'allume lorsqu'il est activé.

5. Interrupteur « Nearfield »

Cet interrupteur réduit le niveau de sortie du pavillon. Nous recommandons d'activer ce commutateur sur les enceintes qui sont généralement destinées aux sections du public assises le plus près du système. L'anneau de l'interrupteur s'allume lorsqu'il est activé.

6. Sélection de la Taille de l'Enceinte (Array Size)

Cette fonction permet de compenser l'égalisation pour contrer l'accumulation de basses fréquences qui peut se produire lorsque plusieurs enceintes sont utilisées ensemble. Le réglage est basé sur le nombre total d'enceintes dans chaque ensemble vertical. La compensation est désactivée pour le réglage 0-3, légère pour le réglage 4-6, modérée pour le réglage 7-9 et forte pour le réglage 10-12.

7. Adaptateur de Montage Sur Pied

Les enceintes sont équipées d'adaptateurs intégrés pour une utilisation avec un mât de montage Yorkville SW-TUBEHD. Un maximum de deux enceintes supérieures peuvent être utilisées ensemble sur un SW-TUBEHD avec un caisson de basses comme base. Nous déconseillons l'utilisation d'un trépied comme base, à moins qu'il ne soit spécifiquement conçu pour supporter les enceintes « line array » sans basculer.

AVERTISSEMENT : Toute base doit être posée sur une surface plane et horizontale. Veuillez respecter scrupuleusement toutes les indications concernant les limites de poids et la taille ou le nombre maximum d'enceintes pouvant être montées sur la base et le poteau.

8. Matériel de Suspension

Veuillez-vous référer au manuel de montage supplémentaire.

9. Indice IP54

Les enceintes PSA26 et PSA28 ont un indice IP54, ce qui signifie qu'elles sont conçues pour être utilisées à l'extérieur et protégées contre la poussière et les éclaboussures d'eau. Les indices IP sont déterminés par des tests rigoureux effectués dans une installation indépendante.

Veuillez noter que les boîtiers ne sont pas protégés contre les jets d'eau à haute pression ou l'immersion dans l'eau. Pour l'utilisation à l'extérieur en toute sécurité, toutes les connexions powerCON® TRUE1 ou XLR doivent être complètement insérées, et les couvercles de protection pour les connecteurs non utilisés doivent être correctement placés.

10. Bouclage CA

Les enceintes sont équipées de prises powerCON® TRUE1 permettant le passage de l›alimentation vers un autre appareil. Veuillez consulter le manuel d›utilisateur pour plus de détails.

Pour obtenir le manuel de utilisateur visitez notre site Web à **http://www.yorkville.com/manuals/**
ou, si vous avez besoin d'une version imprimée appelez-nous au **905-837-8777**

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