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SERVICE MANUAL

YXL15SP

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.

Quality and Innovation Since 1963
Printed in Canada

Specifications

System Type	Powered Subwoofer
Active or Passive	Active
Power Rating (watts)	500 watts program (1000 watts peak)
Max SPL (dB)	128 dB peak
Frequency Response (Hz +/- 3dB)	45 - 100 (Hz +/-3dB)
LF Driver	15-inch (3-inch voice coil)
LF Power Rating (watts)	500 watts program (1000 watts Peak)
LF Amplifier Type	Class D
Cooling Scheme	Speed controlled fan
Power Cable	Yes
Power Switch	Yes
Inputs/Links	2 x Main IN XLR Female/ 1/4-inch Combi, 2 x LINK XLR Male
Level Controls	Master
EQ Controls	Push button select, Punch, Smooth, Deep
Limiter	Multi-band excursion, RMS, Rail
Feet	Rubber
Bar Handles	2 x Side
Enclosure Materials	12 mm Plywood, Metal grille
Grille	Powder Coated Steel with Grille Cloth
Other Details	Rubber feet on bottom and side with the monitor wedge
Dimensions (DWH inches)	19 x 18 x 24
Dimensions (DWH cm)	48 x 46 x 61
Weight (lbs/kg)	62/28.1

Specifications subject to change without notice

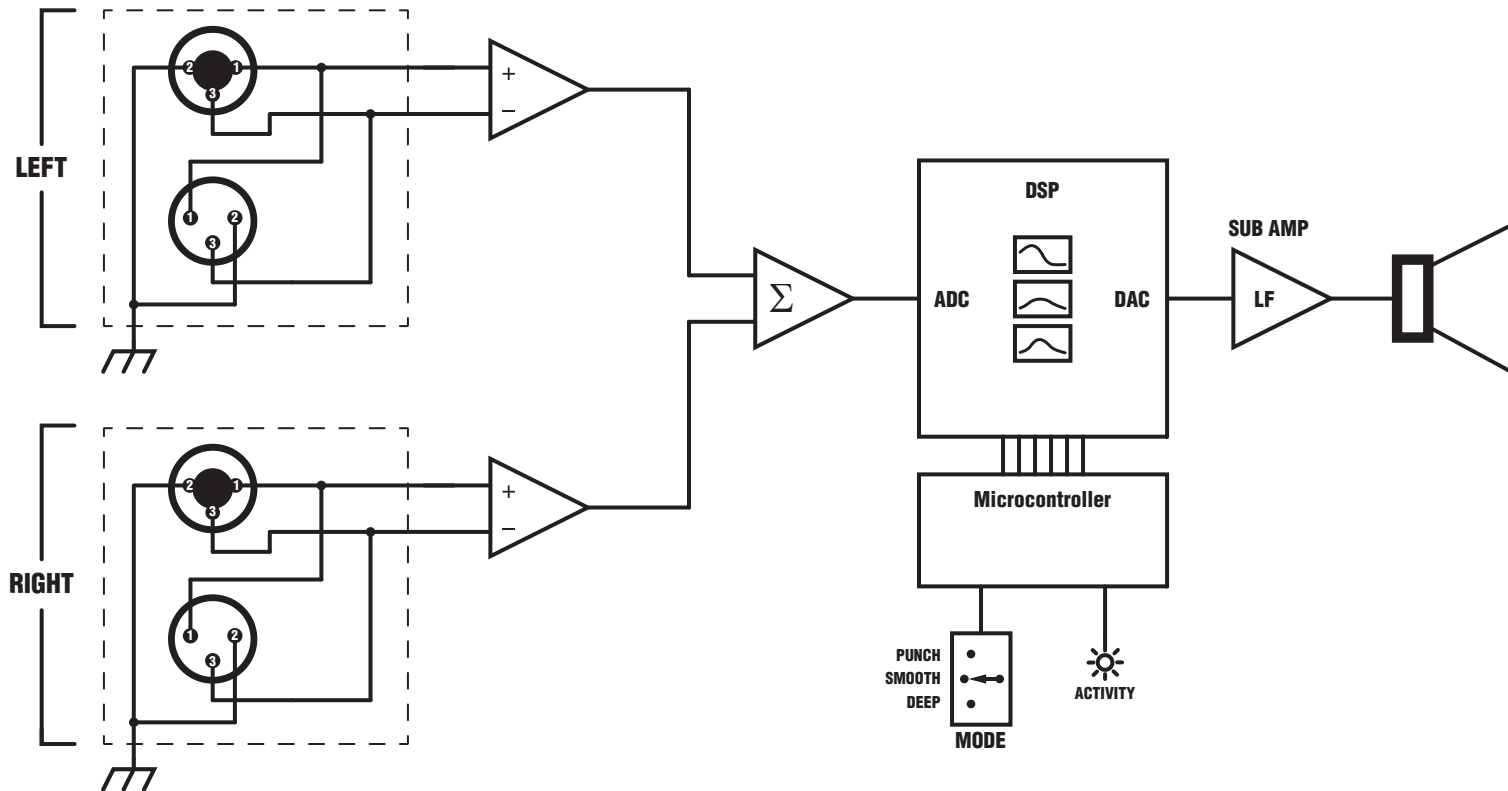
Spécifications

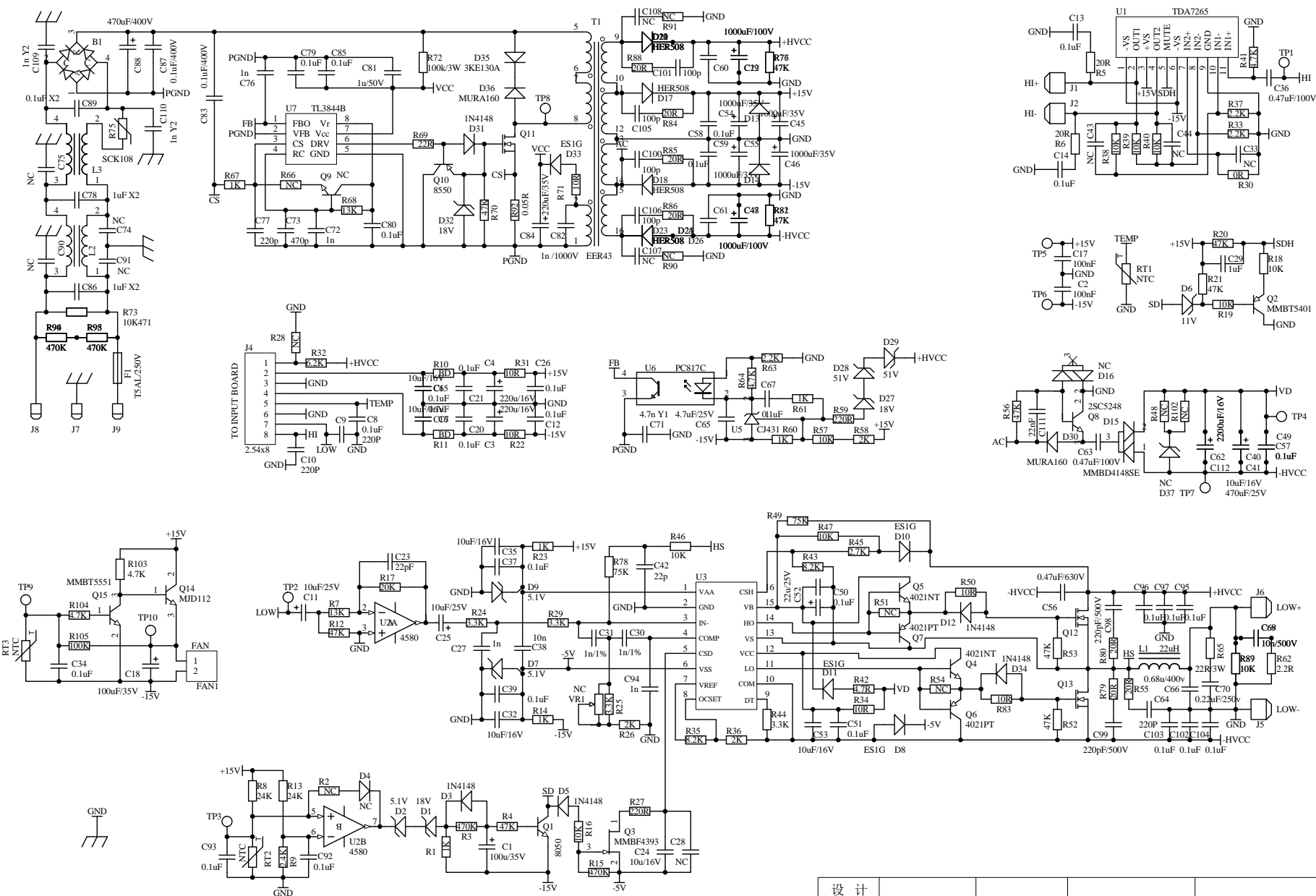
Type de système	Subwoofer amplifié
Actif ou passif	Actif
Puissance nominale (watts)	500 watts en programme (1000 watts en crête)
NPA maximum (dB)	128 dB en crête
Réponse en fréquence (Hz +/- 3dB)	45 - 100 (Hz +/-3dB)
Driver BF	15 pouces (bobine mobile de 3 pouces)
Puissance nominale LF (watts)	Programme de 500 watts (1000 watts crête)
Type d'amplificateur BF	Classe D
Système de refroidissement	Ventilateur à vitesse contrôlée
Câble d'alimentation	Oui
Interrupteur d'alimentation	Oui
Entrées/Liens	2 x Entrée principale XLR femelle/ 1/4 pouce Combi, 2 x LINK XLR mâle
Commandes de niveau	Maître
Commandes d'EQ	Bouton poussoir sélectionner
Limiteur	Multi-band excursion, RMS, Rail
Pieds	Caoutchouc
Poignées de barre	2 x Latéraux
Matériaux du boîtier	12 mm Plywood, Metal grille
Grille	Acier revêtu de poudre avec toile à grille
Autres détails	Pieds en caoutchouc en bas et sur le côté avec la cale du moniteur
Dimensions (PLH pouces)	19 x 18 x 24
Dimensions (PLH cm)	48 x 46 x 61
Poids (livres/kg)	62/28.1

Spécifications sujettes à modification sans préavis

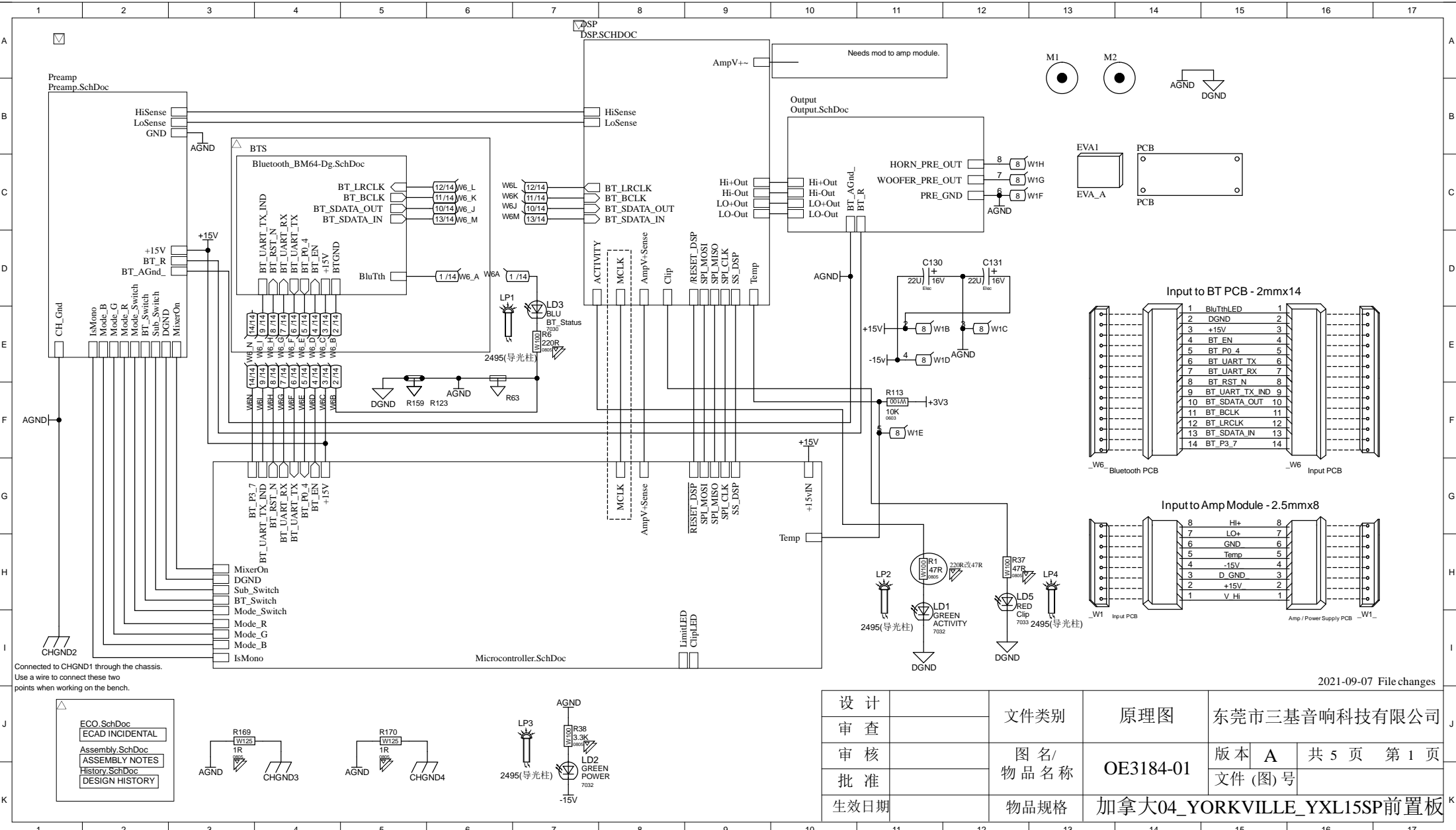
Block Diagram for YXL15SP

DESIGNED BY YORKVILLE SOUND





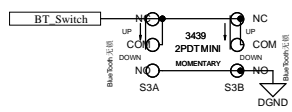
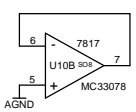
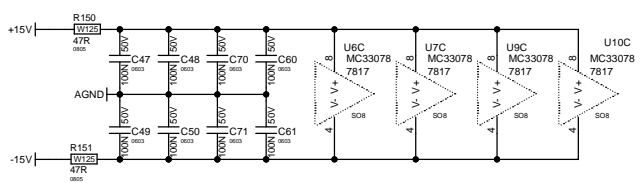
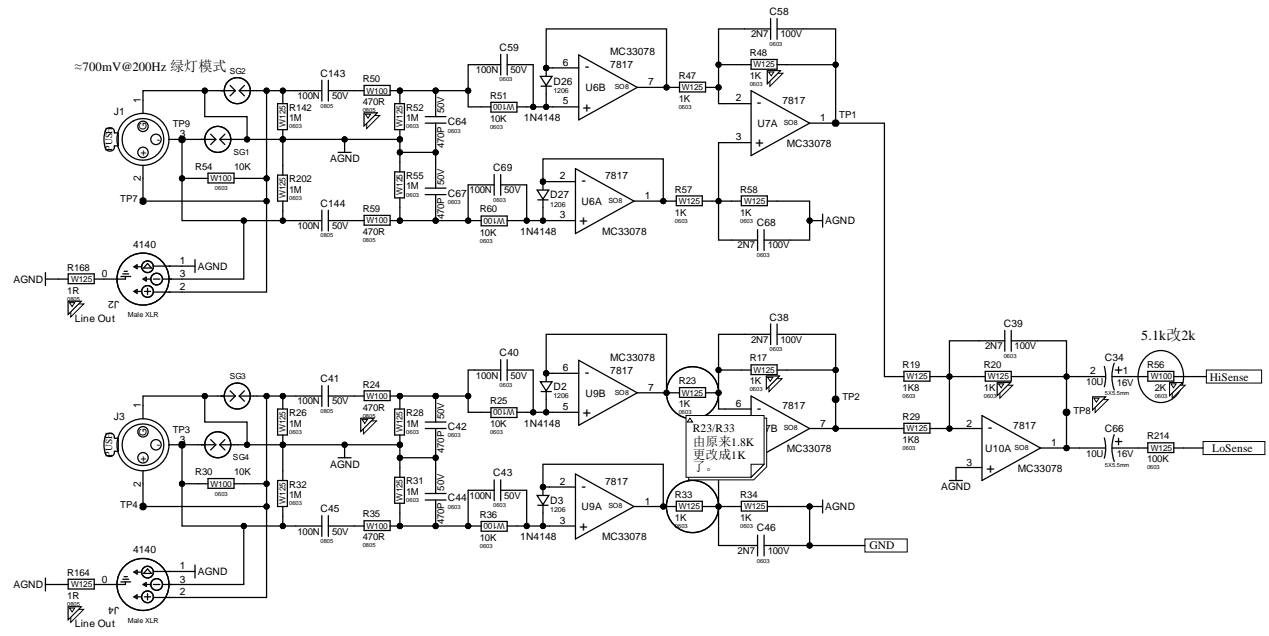
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批准		物品规格	加拿大04/YORKVILLE/YXL12P 功放板	文件(图)号		
生效日期						



2021-09-07 File changes

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审核		物品规格	加拿大04_YORKVILLE_YXL15SP前置板		共 5 页	第 1 页
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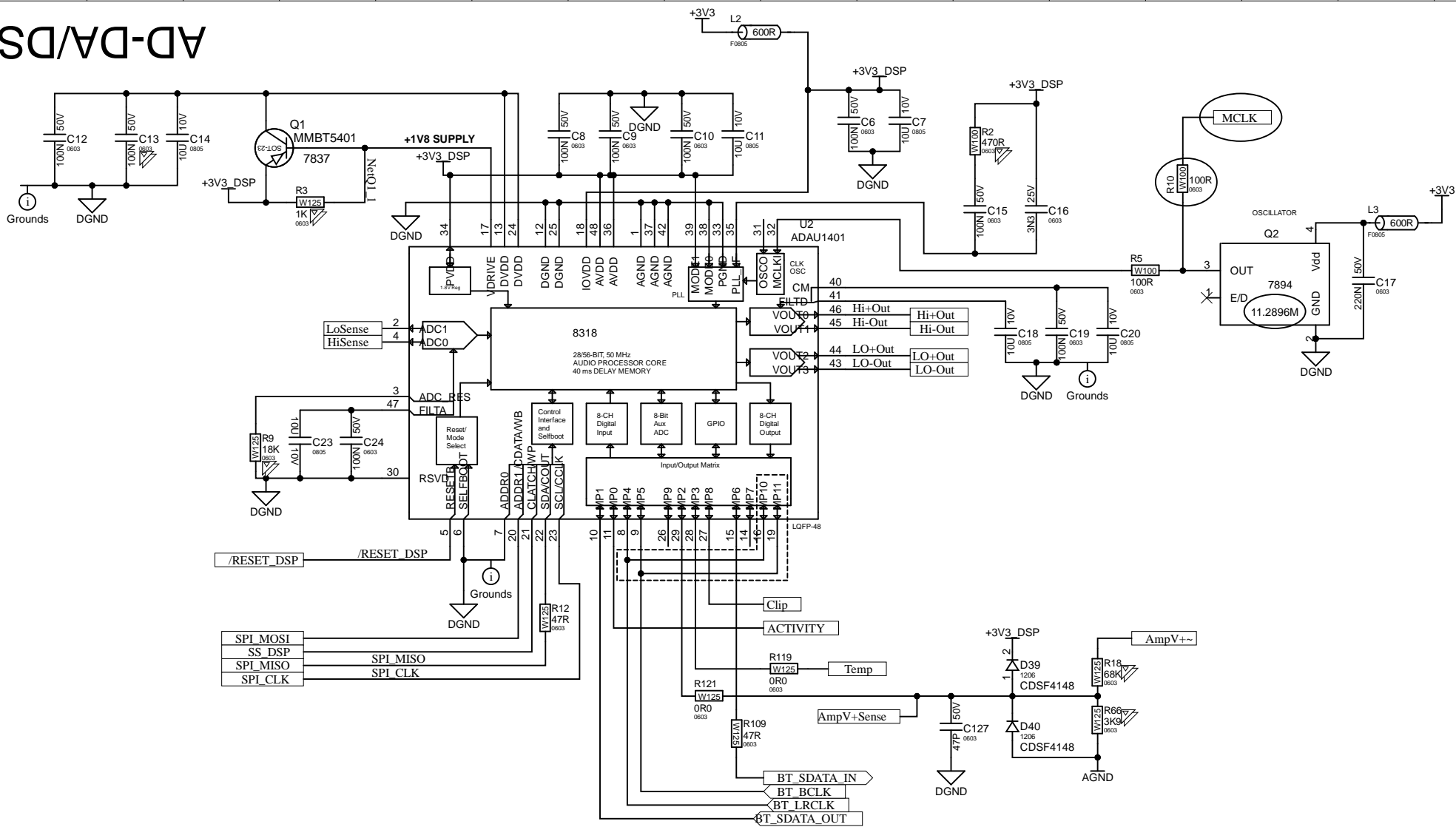
PreAmp



2021-09-07 File changes

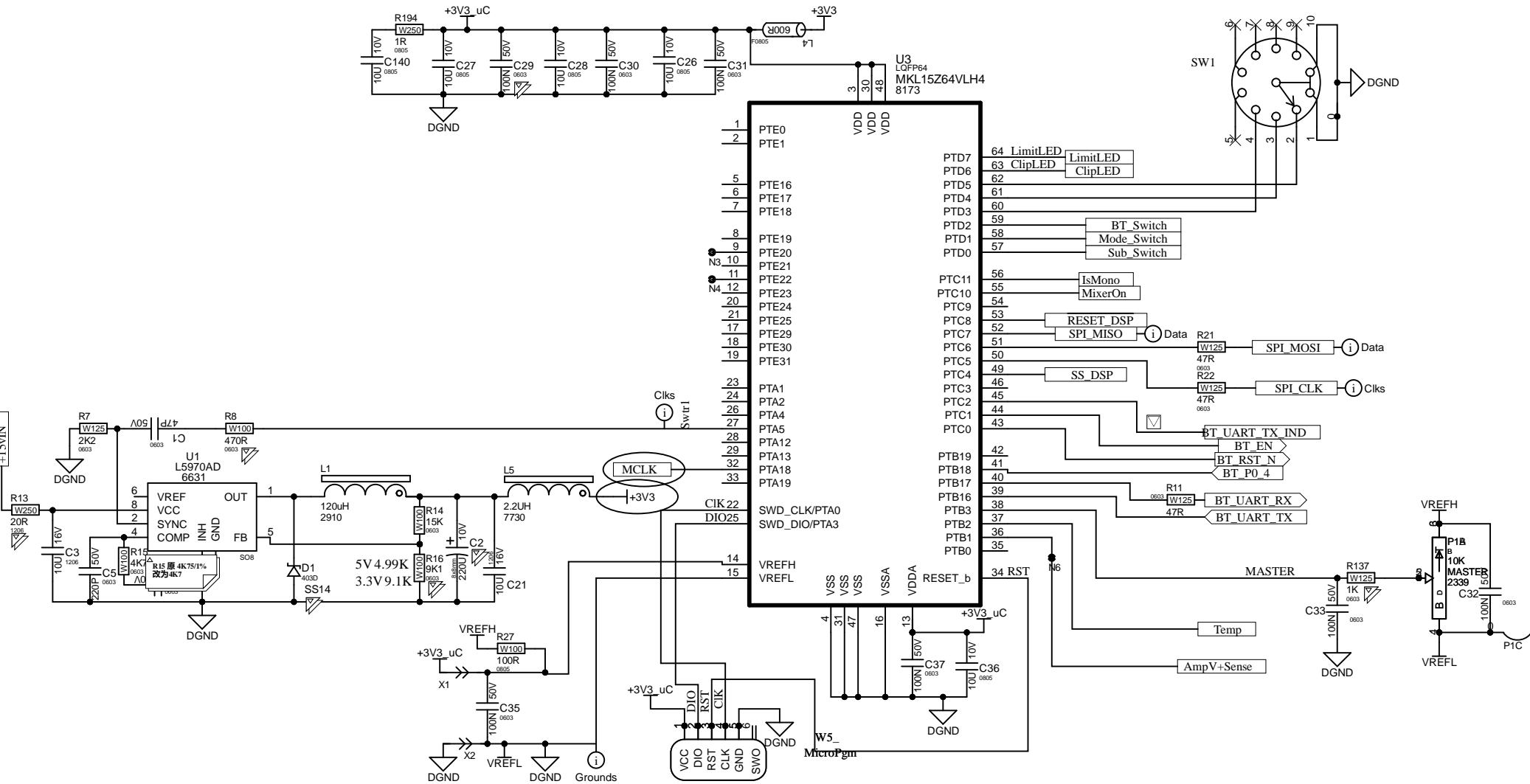
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批准				文件(图)号		
生效日期						

AD-D/A/DSP



设计		文件类别	原理图		东莞市三基音响科技有限公司	
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生效日期						

Microcontroller

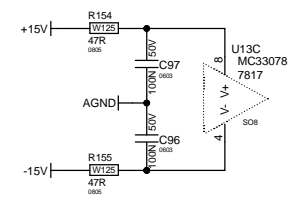
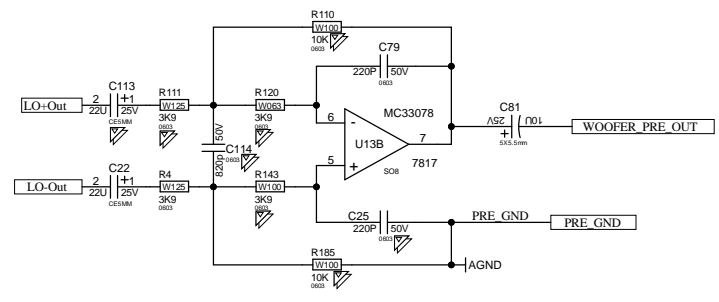
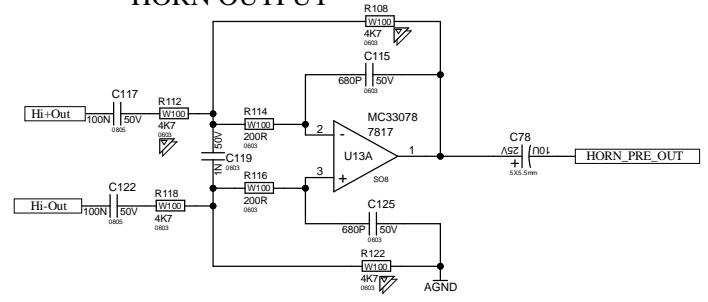


10-Pin Cortex Debug Connector		6-Pin TC2030 Footprint	
1 VCC	2 SWDIO / TMS	1 VCC	2 SWDIO / TMS
3 GND	4 SWCLK / TCK	3 nRESET	4 SWCLK / TCK
5 GND	6 SWO / TDO	5 GND (also connected to GNDDetect)	5 SWO / TDO
7 NC / RTCK	8 NC / TDI		
9 GNDDetect	10 nRESET		

设计		文件类别	原理图	东莞市三基音响科技有限公司	
审查		图名/ 物品名称	OE3184-01	版本	A
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批准				文件 (图号)	
生效日期					

DAC Output

HORN OUTPUT

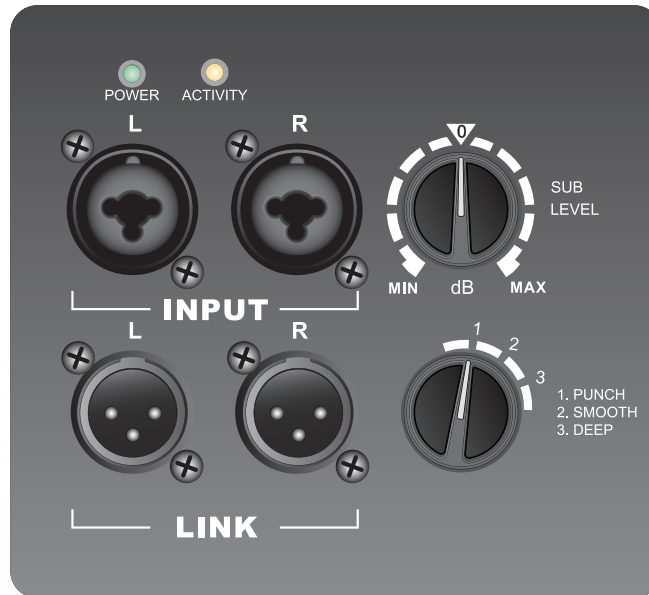


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批准		物品规格	加拿大04_YORKVILLE_YXL15SP前置板		
生效日期				文件(图)号	



YXL10/15/18SP

1000 WATT ACTIVE SUBWOOFER ENCLOSURES



1. Power LED Indicator –

The power switch is located at the bottom of the rear panel. The Power LED, located near the top of the plate, indicates when the unit is on.

2. Mode Switch – EQ and tone settings.

- Punch Mode will process the sound so it is perceived as a punchier sound, giving less power into deep bass and more into the upper bass.
- Smooth Mode will keep the original signal character with no preference for deep or upper bass.
- Deep mode will process the signal to provide a deeper sound, giving more power into deep bass while keeping the upper bass similar to the Smooth Mode.

3. Sub Level Control – Independently sets the audio level.

4. Activity LED – Illuminates when signal is sent to the Master.

5. Input – Left/Right Inputs

6. Link – Left/Right Links

To get the full Owner's Manual please visit our website at

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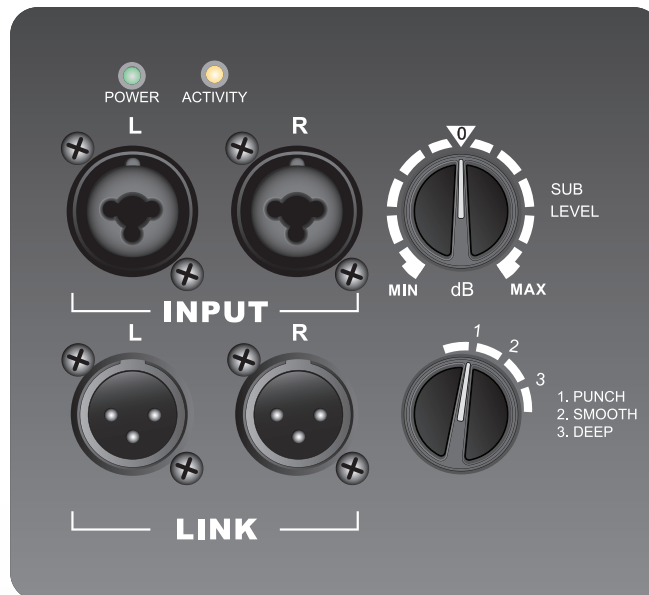
Printed In Canada

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YXL10/15/18SP

1000 WATT ACTIVE SUBWOOFER ENCLOSURES



1. Indicateur DEL d'Alimentation - L'interrupteur d'alimentation est situé au bas du panneau arrière. La DEL d'alimentation, située près du haut de la plaque, indique que l'appareil est sous tension.

2. Sélecteur de Mode - Réglages de l'égalisation et de la tonalité.

- Le mode Punch traitera le son de manière à ce qu'il soit perçu comme un son plus percutant, en conférant moins de puissance aux basses profondes et plus aux basses supérieures.
- Le mode Smooth conservera le caractère original du signal, sans accorder de préférence • aux basses profondes ou supérieures.
- Le mode Deep traitera le signal pour fournir un son plus profond, en donnant plus de puissance aux basses profondes tout en gardant les basses supérieures similaires au mode Smooth.

3. Commande de Niveau du Sub - Règle indépendamment le niveau audio.

4. DEL d'Activité - S'allume lorsque le signal est envoyé au Master.

5. Entrée - Entrées gauche/droite

6. Link - Liens gauche/droit

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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