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WORLD HEADQUARTERS
CANADA

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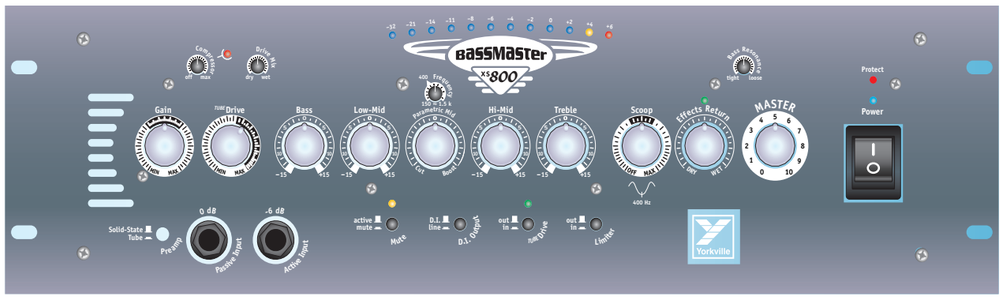
Quality and Innovation Since 1963
Printed in Canada

SERVICE MANUAL

TYPE: YS1035

xs800h



IMPORTANT SAFETY INSTRUCTIONS

INSTRUCTIONS PERTAINING TO A RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS

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 Manualshould be read and understood before operation of your unit. Please, save these instructions for future reference.

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.

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.

The apparatus should not be exposed to dripping or splashing water; no objects filled with liquids should be placed on the apparatus.

Terminals marked with the "lightning bolt" are hazardous live; the external wiring connected to these terminals require installation by an instructed person or the use of ready made leads or cords.

Ensure that proper ventilation is provided around the appliance.

No naked flame sources, such as lighted candles, should be placed on the apparatus.

Power Cord
The AC supply cord should be routed so that it is unlikely that it will be damaged. If the AC supply cord is damaged DO NOT OPERATE THE UNIT.

Service
The unit should be serviced only by qualified service personnel.

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 S.V.P. ces instructions pour consultations ultérieures.

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.

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.

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

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

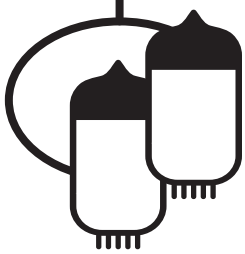
Assurez que lappareil est fourni de la propre ventilation.

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
Évitez d'endommager le cordon d'alimentation. N'UTILISEZ PAS L'APPAREIL si le cordon d'alimentation est endommagé.

Service
Consultez un technicien qualifié pour l'entretien de votre appareil.

SERVICE BULLETIN

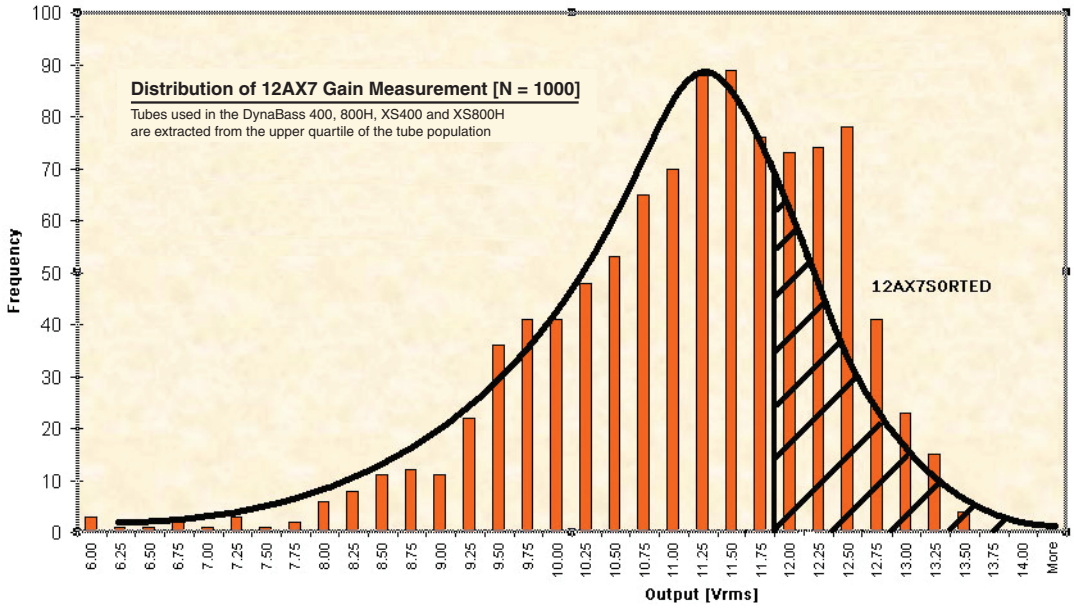


Preamp Tube Replacement

Products Affected: xs400, xs400t, xs400h, xs800h, the DynaBass Series (the 400, 400t, 400h and 800h).

In order to maintain consistent audio sound quality and performance replace preamplifier tubes in the xs400, xs400t, xs400h, xs800h, the DynaBass Series (400, 400t, 400h and 800h) with Yorkville specified and sorted 12AX7 tubes (Yorkville Sound part number “12AX7SORTED”).

The specified tubes are chosen for their combined attributes of low noise, high gain and no microphonic feedback. The following chart demonstrates a sampling of 1000 tubes tested and the percentage deemed acceptable.



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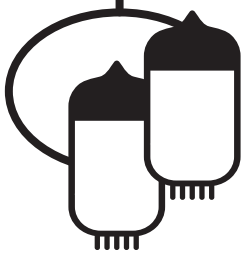
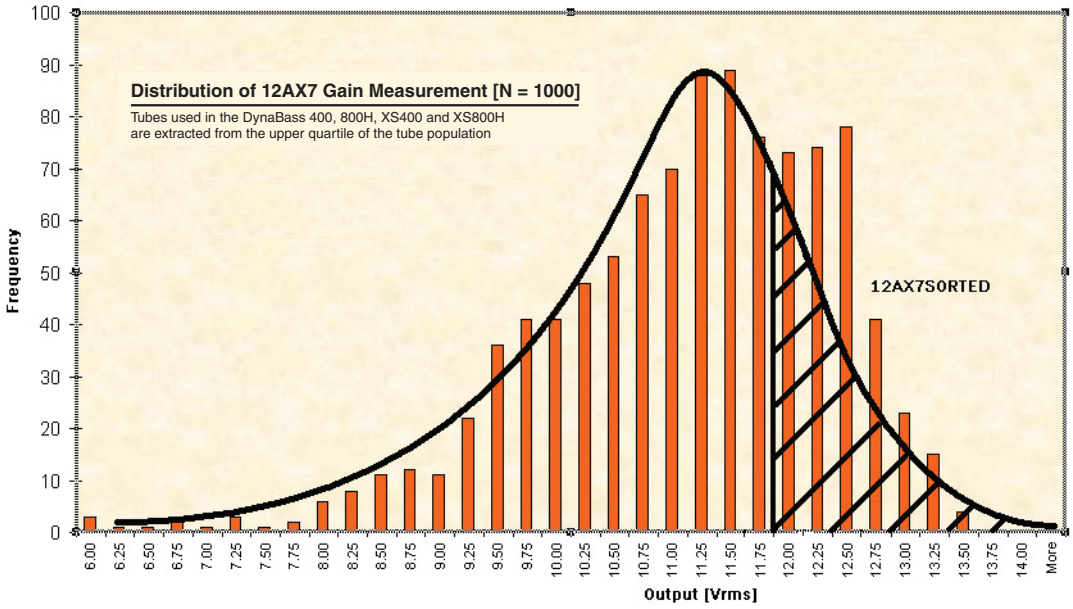


Remplacement de Lampe Pour Préamplificateur

Produits Affectés: xs400, xs400t, xs400h, xs800h, Le Series DynaBass (the 400, 400t, 400h and 800h).

Pour préserver une qualité et une performance audio constante remplacez les lampes de préamplificateur des appareils suivants avec des lampes désignées 12AX7 Yorkville assortis (Numéro de pièces Yorkville Sound “12AX7SORTED”): xs400, xs400t, xs400h, xs800h, Le Series DynaBass (400, 400t, 400h et 800h).

Les lampes désignées sont choisies selon un ensemble de propriétés combinées incluant ; bas niveau de bruit, gain élevé et aucun feedback microphonique. La charte suivante démontre un échantillon de 1000 lampes éprouvées ainsi que le pourcentage de lampe considéré convenable.



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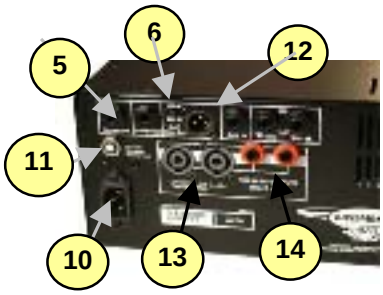
xs800h Parts List 9/3/2008

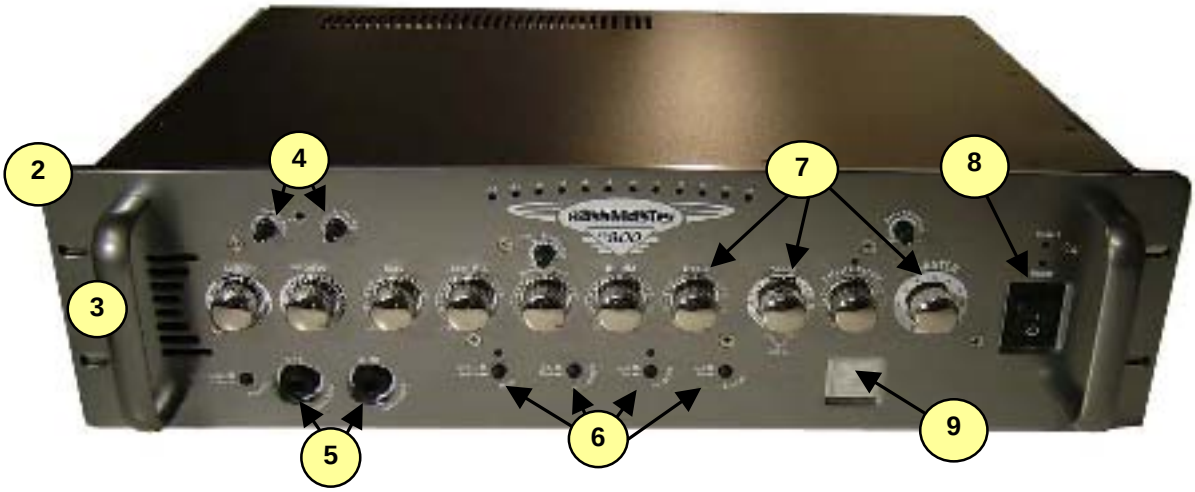
YS #	Description	Qty.	YS #	Description	Qty.	YS #	Description	Qty.	YS #	Description	Qty.
3747	BLK SPACER LED CUSTOM 0.5	18	5322	470N 50V 10%CAP T&R BEAD Z5U	1	2019	1/8W 100R0 1%FLAME PROOF T&R RES	12	4751	1/4W 22M 5% T&R RES	2
6400	YEL 3MM LED 1V9 6MA HIGHEFF	2	5240	680N 63V 10%CAP T&R RAD .2"FLM	1	4852	1/4W 100R 5% T&R RES	2	3640	_3" 8C-26AWG RIB 1/4" S&R 0.1"	2
6405	RED 3MM LED 1V7 5MA BRT	3	5254	__1U 63V 20%CAP T&R 4X7MM .2"EL	1	2023	1/8W 220R0 1%FLAME PROOF T&R RES	4	4011	03" 10C-26AWG RIBBON S&R1/4" .098"	2
6408	GRN 3MM LED 1V9 5MA FROSTED	2	5256	__1U 63V 5%CAP T&R RAD .2"FLM	5	4857	1/4W 220R 5% T&R RES	2	4012	08" 12C-26AWG RIB 1 W/LCK HDR 0.1	1
6554	BLUE 3MM LED 3V9 20MA	11	5257	__2U2 63V 20%CAP T&R RAD .2"EL	10	4977	1/4W 220R 5%MINI T&R RES	6	4009	15" 14C-26AWG RIBBON S&R1/4" .098"	1
6419	BRIDGE 35A 400V WIRE LEAD GI3504	3	5258	__4U7 63V 20%CAP T&R 8X7MM .2"EL	5	4770	1/4W 249R 1% T&R RES	2	3722	RELAY 1A 30AMP DC24 036MA PC-C	1
6425	BAV21 200V 0A25 DIODE T&R	10	5259	__4U7 63V 20%CAP T&R RAD .2"EL	1	4821	1/4W 470R 5% T&R RES	1	8729	#4 X 3/8 FLAT QUAD TYPE A JS500 BLK	4
6438	1N4007 1000V 1A0 DIODE T&R	2	5282	_10U 16V 20%CAP T&R 5X7MM .2"NP	4	4980	1/4W 470R 5%MINI T&R RES	2	8861	4-40 X 3/8 PAN PH MS JS500	2
6733	BAT85 30V 0A2 DIODE SCHT T&R	2	5629	_10U 160V 20%CAP BLK 10X13MM EL	4	2030	1/8W 681R 1%FLAME PROOF T&R RES	2	8842	#4 X 5/16 PAN QUAD TYPE A JS500 BLK	2
6825	1N4148 75V 0A45 DIODE T&R	35	5631	_22U 50V 20%CAP T&R 6X7MM .2"EL	6	4743	1/4W 681R0 0.1% *** T&R RES	3	8832	6-32 X 1/4 PAN PH TAPTITE JS500	6
6934	MR854 400V 3A0 DIODE FASREC	10	5945	_10U 63V 20%CAP T&R RAD .2"EL	1	4873	1/4W 680R 5% T&R RES	2	8807	6-32 X 5/16 PAN PH MS JS500	14
6436	1N753ARL 6V2 0W5 ZENER 5% T&R	1	5961	_33U 16V 20%CAP T&R RAD .2"NP	3	2033	1/8W 1K 2%FLAME PROOF T&R RES	2	8801	6-32 X 3/8 PAN PH TAPTITE JS500	10
6437	1N5237B 8V2 0W5 ZENER 5% T&R	1	5618	470U 25V 20%CAP BLK 10X15MM EL	1	4823	1/4W 1K 5% T&R RES	9	8829	6-32 X 3/8 FLAT PH TAPTITE BO#C HEA	16
6439	1N5225B 3V0 0W5 ZENER 5% T&R	3	5879	100U 16V 20%CAP T&R 8X7MM .2"EL	9	4981	1/4W 1K 5%MINI T&R RES	2	8761	6-32 X 1/2 PAN PHIL MS ZINC CLEAR	10
6440	1N750ARL 4V7 0W5 ZENER 5% T&R	1	5896	4700U 80V 20%CAP BLK 25X50MM ELS	4	6110	1/4W 1K0 1%MINI MF T&R RES	1	8825	6-32 X 1/2 FLAT PHIL TRILOB NICKEL	8
6450	1N5242B 12V0 0W5 ZENER 5% T&R	2	5898	8200U 50V 20%CAP 25X50MM ELS	2	4802	1/4W 1K21 1% T&R RES	1	8828	6-32 X 3/4 PAN PH TAPTITE JS500	7
6459	1N4732A 4V7 1W0 ZENER 5% T&R	1	5903	12000U 35V 20%CAP RAD 25X45MM ELS	2	4824	1/4W 1K5 5% T&R RES	3	8809	10-32 X 1/4 PAN PH TAPTITE JS500	8
6465	1N5250B 20V0 0W5 ZENER 5% T&R	1	4467	_10K B LIN 12MM KNRLSHFT P36	2	4988	1/4W 1K5 5%MINI T&R RES	1	8624	10-32 X 1/2 HEX HD MS JS500 BLK	4
6486	1N5244B 14V0 0W5 ZENER 5% T&R	2	4472	_10K B LIN 9MM P35	3	4825	1/4W 1K8 5% T&R RES	1	8833	10-32 X 7/8 IND HEX M/S BLACK OXIDE	4
6824	1N5246B 16V0 0W5 ZENER 5% T&R	10	4470	_20K 5C R/A 9MM P35	1	6105	1/4W 1K8 5%MINI T&R RES	2	8736	5/16-18X2-3/4 GRD 5 HEX BOLT JS500	1
6871	MC7915CT TO220 N 15V0 REG V2	2	4471	_50K B LIN 9MM P35	4	4808	1/4W 2K 5% T&R RES	7	8608	NYLON SPACER .200 OD .145 ID .110 L	8
6872	MC7815CT TO220 P 15V0 REG V1	2	4469	100K B LIN 9MM P35	2	6113	1/4W 2K 5%MINI T&R RES	3	3749	.375 SPACER ID.170 OD.31 NYLON	7
5101	BC550C TO92 NPN TRAN T&R TB	6	4474	100K B LIN 12MM KNRLSHFT P36	1	4847	1/4W 2K2 5% T&R RES	7	3865	1/2 PLASTIC HEX SPACER #6	10
5102	BC560C TO92 PNP TRAN T&R TB	5	4475	100K 5C R/A 12MM KNRL ST P37	1	6104	1/4W 2K2 5%MINI T&R RES	5	8651	SHOULDER WASHER .483" X .4" BLACK	4
5103	MPSA06 TO92 NPN TRAN T&R TA	4	4520	_10K TRIM POT	1	4714	1/4W 2K21 1% T&R RES	2	8652	SHOULDER WASHER .483" X .125" BLACK	10
5104	MPSA56 TO92 PNP TRAN T&R TA	3	2408	_8.00 AMP CIRCUIT BREAKER	1	4804	1/4W 3K 5% T&R RES	2	8818	3/4 OD X 3/8 ID X .080 THICK WASHER	2
5105	MPSA13 TO92 NPN DARL T&R TA	1	3820	___4UH COIL 14AWG ZOBEL HORIZONTAL	1	6124	1/4W 3K 5%MINI T&R RES	2	8850	#10 INT TOOTH LOCKWASHER BO	4
5106	MPSA63 TO92 PNP DARL T&R TA	1	3485	CLIP 250X032 18-22AWG RIGHT ANGL	2	4992	1/4W 3K16 1% T&R RES	1	3425	DPDT PUSH SW PCMT BREAK B4 MAKE	2
5107	2N5551 TO92 NPN TRAN T&R TA	7	3489	CLIP 250X032 18-22AWG DISCO/INSL	6	4826	1/4W 3K3 5% T&R RES	8	3522	DPDT MINI PC VERT SNP ALT	4
5108	2N5401 TO92 PNP TRAN T&R TA	3	3490	CLIP 250X032 14-16AWG DISCO/INSL	6	6136	1/4W 3K3 5%MINI T&R RES	1	3587	DPDT ROKR SW QUIK 250"AC/PWR ON-OFF	1
5109	MPSA43 TO92 NPN TRAN TA	1	3601	RING TERMINAL 16AWG WIRE & #8 SCREW	3	4850	1/4W 3K9 5% T&R RES	1	3732	9 PIN PC MOUNT TUBE SOCKET BE	1
6808	MJE15032 TO220 NPN TRAN TE	1	3682	250 MALE PCB TAB REEL	17	4827	1/4W 4K7 5% T&R RES	8	12AX7SORTED	12AX7 DUAL TRIODE PREAMP TUBE (SORTED)	1
6809	MJE15033 TO220 PNP TRAN TE	1	3450	1/4" JCK PCB MT ALL-GOLD SKT	2	4943	1/4W 4K7 5% .2"U T&R RES	1	CH1189	XS800H 120V 60HZ T'RD	1
6873	MJE340 TO126 NPN TRAN TG	1	3449	NEUTRIK JACK NUT RED	2	4982	1/4W 4K7 5%MINI T&R RES	7			
6874	MJE350 TO126 PNP TRAN TG	1	3498	1/4" JCK PCB MT HORZ	3	4639	1/4W 4K99 1% T&R RES	9			
6916	TIP107 TO220 PNP TRAN DARL TE	1	3523	1/4" JCK PCB MT HORZ GOLD UGT 3450	4	6128	1/4W 4K99 1%MINI MF T&R RES	3			
6953	IRF4905 TO220 PCH MFET	4	6956	SPKON 4C PCB MT HORZ GRY #4	2	4862	1/4W 5K6 5% T&R RES	1			
6966	IRL2910 NCH MFET 100V TN	4	3417	6-32 SCREW TERMINAL PC MNT SNAP-IN	3	4717	1/4W 6K19 1%MINI T&R RES	2			
6909	MJ21196 TO3 NPN TRAN TH	2	3923	XLR MALE PCB MT HORZ MTHOLE-V SNAP	1	4828	1/4W 6K8 5% T&R RES	1			
6910	MJ21195 TO3 PNP TRANSISTOR TH	2	3856	FAN 80MM X 80MM 39CFM 12VDC 200MA	2	4887	1/4W 7K5 5% T&R RES	1			
6745	LM13600N IC XCONDUCTANCE AMP	1	8675	XS800H HANDLE - BARE 6061-T6 ALUMIN	2	4800	1/4W 10K0 1% T&R RES	12			
6804	MC33079P IC QUAD OP AMP	6	3894	AAVID 5972-B H/S W/TAB B.O.	2	4829	1/4W 10K 5% T&R RES	22			
6882	TL072CP IC FET DUAL OP AMP	4	3501	B52200F006 COMP WASH #4 SMALL	2	4940	1/4W 10K 5% .2"U T&R RES	1			
6884	NE5532N IC DUAL OP AMP	3	3977	QUAD XSISTOR TO220SPRING YELLOWZINC	4	4983	1/4W 10K 5%MINI T&R RES	12			
6889	TL074CN IC QUAD O/A T.I ONLY	1	8889	RUBBER GROMMET #2183-034-BLK	2	5031	1.0W 10K0 5% T&R	8			
6895	BA6822S IC LED VU METER C	1	3645	AC SOCKET RECEPTACLE WITH 0.250 TAB	1	6116	1/4W 10K0 1%MINI MF T&R RES	8			
6936	4007 IC COMPLIMENTARY PAIRS	1	3801	5/8" BUMPER BUTTON BLACK	5	4775	1/4W 14K0 1% T&R RES	1			
6467	_10K 10% THERMISTOR TO-92 NTC	1	3803	NYLON SECUR-A-TACH MINI PLASTIC TIE	1	4630	1/2W 15K 5% T&R RES	6			
6858	NSL-32SR2 OPTO-COUPLER LDR	1	3810	4" NYLON CABLE TIE	12	4830	1/4W 15K 5% T&R RES	2			
5199	100P 100V 2%CAP T&R RAD CER.2"NPO	4	3827	SQUARE BUMPER BUTTON BLACK	2	4979	1/4W 15K 5%MINI T&R RES	5			
5410	100P 100V 10%CAP T&R BEAD NPO	4	8400	KNOB BASSMASTER NICKEL/CHROME STP	10	4771	1/4W 17K8 1% T&R RES	1			
5412	220P 100V 10%CAP T&R BEAD NPO	1	8636	BUTTON KNOB FLAT BLACK	6	6125	1/4W 18K 5%MINI T&R RES	1			
5201	470P 100V 5%CAP T&R RAD CER.2"NPO	1	3426	8' 3/16 SJT AC LINE CORD REMOVB-CSA	1	6123	1/4W 20K0 1%MINI MF T&R RES	13			
5273	__1N5 200V 5%CAP T&R RAD CER.2"NPO	1	8263	METALIZED POLYESTER .005 X 12"X 24"	0.333	4777	1/4W 21K5 1% T&R RES	1			
5275	__3N3 100V 5%CAP T&R RAD .2"FLM	1	3638	12 CIR CABLE HOLDER .098	1	4832	1/4W 22K 5% T&R RES	2			
5416	470P 50V 10%CAP T&R BEAD NPO	3	3676	8 CIR CABLE HOLDER .098	4	6118	1/4W 22K 5%MINI T&R RES	4			
5420	680P 50V 10%CAP T&R BEAD NPO	4	3707	14 CIR CABLE HOLDER .098	2	4902	1/4W 24K 5% T&R RES	2			
5816	680P 100V 5%CAP T&R RAD CER.2"NPO	1	4000	10 CIR CABLE HOLDER .098 PRLX	4	6129	1/4W 27K 5%MINI T&R RES	1			
5204	_10N 100V 10%CAP T&R RAD .2"FLM	2	8701	4-40 KEPS NUT ZINC	2	4890	1/4W 30K 5% T&R RES	1			
5207	_18N 100V 5%CAP T&R RAD .2"FLM	1	8760	6-32 KEPS NUT TIN PLATED	10	4917	1/4W 31K6 1% T&R RES	1			
5209	__4N7 250V 5%CAP T&R RAD .2"FLM	1	8800	6-32 KEPS NUT ZINC	20	4840	1/4W 33K 5% T&R RES	1			
5210	_22N 100V 10%CAP T&R RAD .2"FLM	6	8841	10-32 KEPS NUT TIN PLATED	4	6122	1/4W 33K 5%MINI T&R RES	2			
5222	_33N 100V 10%CAP T&R RAD .2"FLM	1	8797	5/16-18 KEPS NUT JS500	1	4868	1/4W 36K 5% T&R RES	2			
5224	_47N 100V 10%CAP T&R RAD .2"FLM	2	3916	TO3 SIL-PAD REPLACES MICA	4	4853	1/4W 39K 5% T&R RES	1			
5272	__6N8 100V 5%CAP T&R RAD .2"FLM	3	4022	ELASTOMER PAD - 2-TO218 / 4-TO220	4	6119	1/4W 47K 5%MINI T&R RES	7			
5301	_12N 50V 10%CAP T&R BEAD X7R	1	8581	CUSTOM PBL TRANSISTOR SPACER	4	4803	1/4W 49K9 1% T&R RES	2			
5304	_22N 50V 10%CAP T&R BEAD X7R	2	3580	12 CIR WAFER W/LCK VT 0.1"	1	4895	1/4W 51K 5% T&R RES	4			
5306	_33N 50V 10%CAP T&R BEAD X7R	3	4597	22AWG STRAN TC WIR JMP	19	4848	1/4W 62K 5% T&R RES	2			
5308	_47N 50V 10%CAP T&R BEAD X7R	1	4599	22AWG SOLID SC WIR T&R JMP	208	4763	1/4W 82K50 0.1% *** T&R RES	1			
5432	__4N7 50V 10%CAP T&R BEAD Y5R	2	4745	5.0W 0R1 5% BLK RES	4	4838	1/4W 100K 5% T&R RES	8			
5840	_22N 400V 10%CAP BLK RAD POLY FLM	1	5040	_20W 0R2 5% BLK RES	1	4942	1/4W 100K 5% .2"U T&R RES	1			
6435	_22N 275V 20%CAP BLK 'X2' 15MM AC	2	2006	1.0W 1R 5%FLAME PROOF T&R RES	6	6120	1/4W 100K 5%MINI T&R RES	2			
6451	__4N7 250V 20%CAP BLK 'Y' 10MM AC	1	4911	1/4W 2R2 5% T&R RES	2	4776	1/4W 113K 1% T&R RES	2			
5212	100N 63V 5%CAP T&R RAD .2"FLM	25	4748	2.0W 3R9 5% T&R	1	4991	1/4W 133K 1%MINI T&R RES	2			
5228	100N 100V 5%CAP T&R RAD .2"FLM	1	2008	1.0W 10R 5%FLAME PROOF T&R RES	2	6126	1/4W 220K 5%MINI T&R RES	3			
5231	220N 63V 10%CAP T&R RAD .2"FLM	3	2009	1/4W 10R 2%FLAME PROOF T&R RES	1	6127	1/4W 470K 5%MINI T&R RES	2			
5233	330N 63V 5%CAP T&R RAD .2"FLM	2	4612	1/2W 18R 5% T&R RES	1	6106	1/4W 620K 5%MINI T&R RES	1			
5234	470N 63V 10%CAP T&R RAD .2"FLM	3	2013	1/8W 22R1 1%FLAME PROOF T&R RES	1	4844	1/4W 1M 5% T&R RES	4			
5312	_82N 50V 10%CAP T&R BEAD X7R	1	2016	1/8W 39R 2%FLAME PROOF T&R RES	2	4888	1/4W 4M7 5% T&R RES	1			
5314	100N 50V 10%CAP T&R BEAD X7R	5	4613	1.0W 47R 5% T&R RES	2	4809	1/4W 10M 5% T&R RES	1			

XS800H
Bassmaster Series

#	Part#	Description
Labeled Components		
1	3801	5/8" BUMPER BUTTON BLACK
2	Z667	XS800H FRONT
3	Z695	XS800H HANDLE
4	4467/4474/4475	10K/100K/100K 12MM HOR KNRLSHFT P36
5	3450	1/4 ALL GOLD PC MNT JK SKT
6	8636	BUTTON KNOB FLAT BLACK
7	8400	BASSMASTER KNOB, NICKEL W/STOPP
8	3587	DPDT ROKR SW QUIK 250"AC/PWR ON
9	Z668	XS800H LEXAN
10	3645	AC SOCKET RECEPTACLE WITH 0.250
11	2408	8.0 AMP CIRCUIT BREAKER
12	3923	XLR MALE PCB MT HORZ MTHOLE-V SNAP
13	6956	SPKON 4C PCB MT HORZ GRY #4
14	3449	REAN JACK NUT RED
15	3426	8' 3/16 SJT AC LINE CORD REMOVB
16	12AX7	12AX7 DUAL TRIODE PREAMP TUBE
17		
18		
19		
20		
21		
22		



16 not shown



*NOTE: Replacement grills & HF Driver supports are 'Special-Order' and are only available while the model is in production.

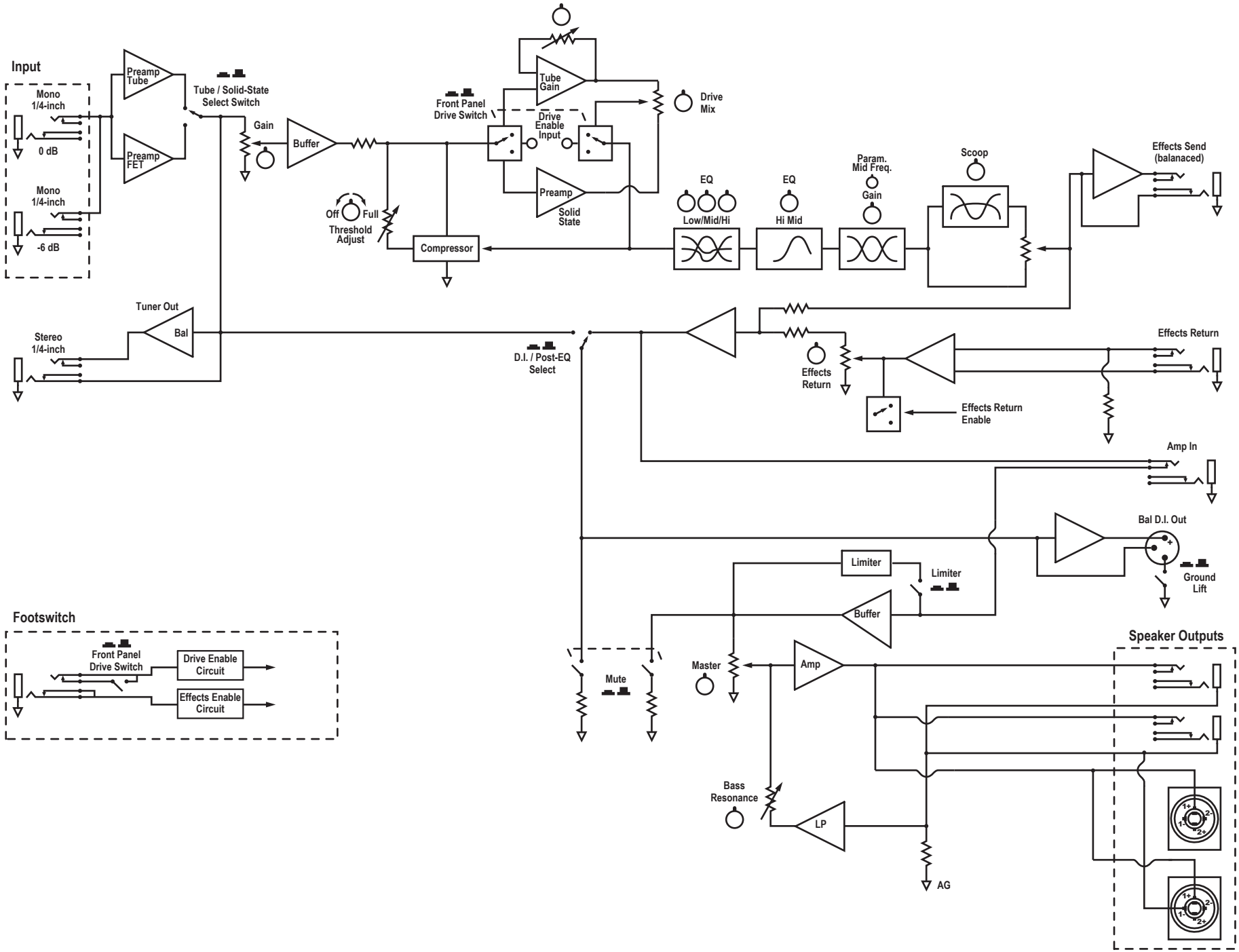
‡ Grilles & Support replacements are for CURRENT models only.

** Internal Lightbulb not shown

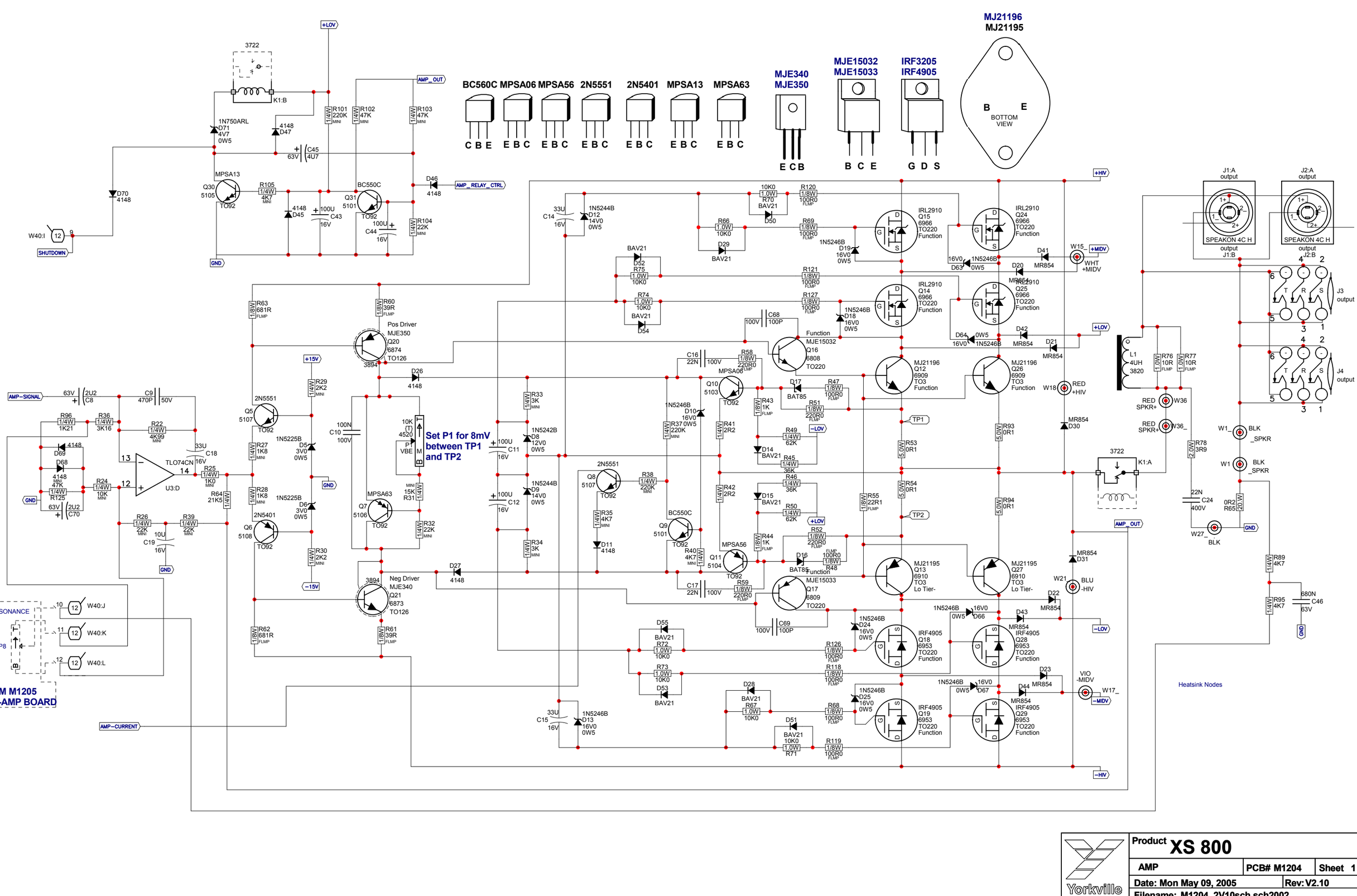
Real Gear.
Real People.

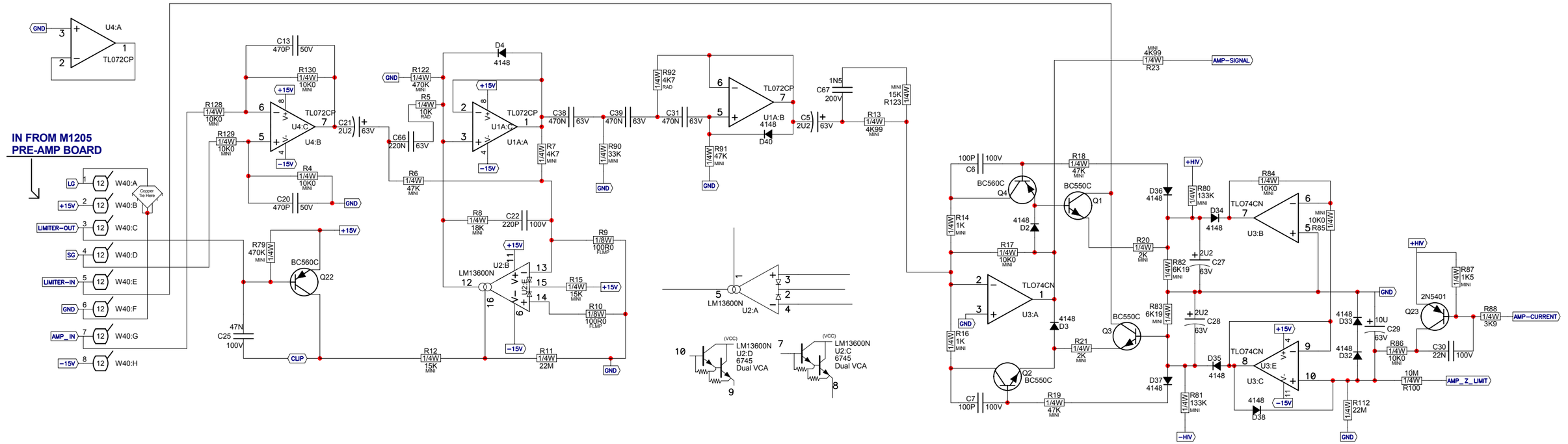
Block Diagram for XS800H

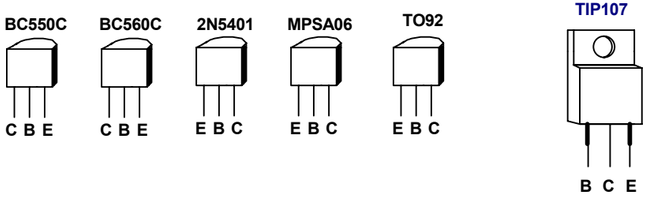
DESIGNED AND MANUFACTURED BY YORKVILLE SOUND

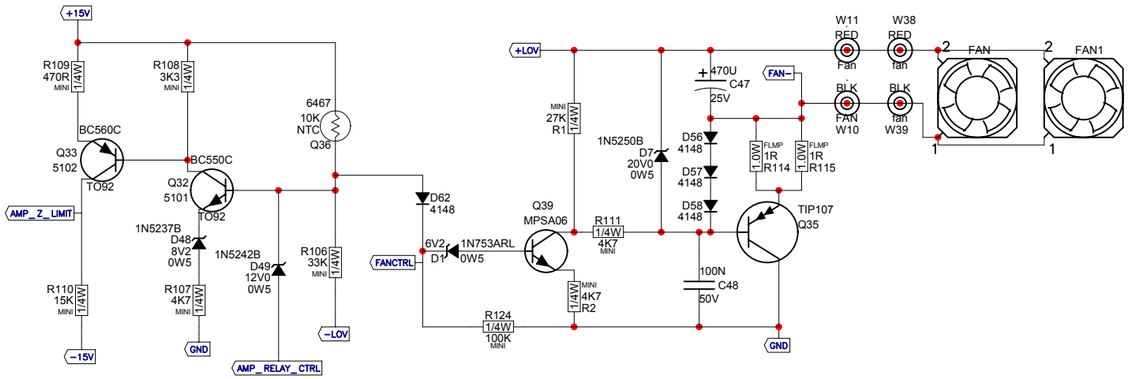


BLOCK-DIAG-xs800h-1v1.ai


BC560C MPSA06 MPSA56 2N5551 2N5401 MPSA13 MPSA63
C B E E B C E B C E B C E B C E B C E B C
MJE340 MJE350
E C B
MJE15032 MJE15033
B C E
IRF3205 IRF4905
G D S
MJ21196 MJ21195
B E
BOTTOM VIEW
+LOV
3722
K1:B
AMP_OUT
1N750ARL D71 4V7 0W5
4148 D47
C45 63V 4U7
MPSA13 Q30 5105 TO92
R105 1/4W 4K7 MINI
BC550C Q31 5101 TO92
D46 4148
AMP_RELAY_CTRL
4148 D45
100U C43 16V
100U C44 16V
R101 220K
R102 47K
R103 47K
R104 22K
D70 4148
W40:I 12 9
SHUTDOWN
GND
+HIV
33U C14 16V
1N5244B D12 14V0 0W5
10K0 R70 BAV21 D50
R120 1/8W 100R0 FLMP
R66 1.0W 10K0
D29 BAV21
R69 1/8W 100R0 FLMP
1N5246B D19 16V0 0W5
IRL2910 Q15 6966 TO220 Function
IRL2910 Q24 6966 TO220 Function
16V0 D63 1N5246B 0W5
D41 MR854
W15 +MIDV
WHT +MIDV
BAV21 D52
R75 1.0W 10K0
R74 1.0W 10K0
BAV21 D54
R121 1/8W 100R0 FLMP
R127 1/8W 100R0 FLMP
1N5246B D18 16V0 0W5
IRL2910 Q14 6966 TO220 Function
IRL2910 Q25 6966 TO220 Function
D64 0W5 1N5246B 16V0
D42 MR854
D21 MR854
+LOV
R63 681R FLMP
R60 39R FLMP
Pos Driver MJE350 Q20 6874 TO126
3894
C68 100V 100P
Function MJE15032 Q16 6808 TO220
C16 22N 100V
R58 1/8W 220R0 FLMP
MPSA06 Q10 5103 TO92
MJ21196 Q12 6909 TO3 Function
MJ21196 Q26 6909 TO3 Function
D17 BAT85
R47 1/8W 100R0 FLMP
R51 1/8W 220R0 FLMP
R43 1K FLMP
R49 1/4W 62K
D14 BAV21
R45 1/4W 36K
W18 RED +HIV
MR854 D30
TP1
R53 5.0W 0R1
R93 5.0W 0R1
+15V
R29 2K2 MINI
2N5551 Q5 5107 TO92
R27 1K8 MINI
R28 1K8 MINI
2N5401 Q6 5108 TO92
R30 2K2 MINI
-15V
1N5225B D5 3V0 0W5
1N5225B D6 3V0 0W5
GND
100N C10 100V
10K (T) 4520 P VBE M B
Set P1 for 8mV between TP1 and TP2
MPSA63 Q7 5106 TO92
MINI 15K R31
R32 22K MINI
R33 3K MINI
1N5242B D8 12V0 0W5
100U C11 16V
1N5244B D9 14V0 0W5
100U C12 16V
2N5551 Q8 5107 TO92
R38 1/4W 220K MINI
R35 4K7 MINI
D11 4148
R34 3K MINI
R41 2R2
R42 2R2
1N5246B D10 16V0 0W5
R37 0W5 220K MINI
BC550C Q9 5101 TO92
R40 4K7 MINI
MPSA56 Q11 5104 TO92
D16 BAT85
R48 1/8W 100R0 FLMP
R52 1/8W 220R0 FLMP
R44 1K FLMP
R46 36K
D15 BAV21
R50 1/4W 62K
+LOV
R55 1/8W 22R1 FLMP
R54 5.0W 0R1
TP2
R94 5.0W 0R1
MJ21195 Q13 6910 TO3 Lo Tier-
MJ21195 Q27 6910 TO3 Lo Tier-
Function MJE15033 Q17 6809 TO220
C17 22N 100V
R59 1/8W 220R0 FLMP
C69 100V 100P
D22 MR854
W21 BLU -HIV
MR854 D31
-LOV
1N5246B D24 16V0 0W5
IRF4905 Q18 6953 TO220 Function
MR854 IRF4905 Q28 6953 TO220 Function
1N5246B 16V0 0W5 D66
D43 MR854
R126 1/8W 100R0 FLMP
R118 1/8W 100R0 FLMP
D23 MR854
VIO -MIDV
W17 -MIDV
1N5246B D25 16V0 0W5
IRF4905 Q19 6953 TO220 Function
MR854 IRF4905 Q29 6953 TO220 Function
1N5246B 16V0 0W5 D67
D44 MR854
-HIV
D55 BAV21 R72 1.0W 10K0
R73 1.0W 10K0
D53 BAV21
D28 BAV21 R67 1.0W 10K0
D51 BAV21 10K0 1.0W R71
R119 1/8W 100R0 FLMP
R68 1/8W 100R0 FLMP
33U C15 16V
1N5246B D13 16V0 0W5
AMP-SIGNAL
63V 2U2 C8
C9 470P 50V
R96 1/4W 1K21
R36 1/4W 3K16
R22 1/4W 4K99 MINI
4148 D69
D68 4148 MINI
R24 1/4W 10K MINI
R125 1/4W 47K MINI
63V 2U2 C70
33U 16V C18
TLO74CN U3:D
R25 1/4W 1K0 MINI
R64 21K5 1/4W
R26 1/4W 22K MINI
R39 1/4W 22K MINI
10U C19 16V
RESONANCE
P8
W40:J
W40:K
W40:L
FROM M1205 PRE-AMP BOARD
AMP-CURRENT
J1:A output
J2:A output
SPEAKON 4C H
output J1:B
output J2:B
J3 output
J4 output
L1 4UH 3820
R76 1.0W 10R FLMP
R77 1.0W 10R FLMP
RED SPKR+ W36
RED SPKR+ W36_
W1_ BLK _SPKR
W1 BLK _SPKR
R78 2.0W 3R9
22N C24 400V
0R2 R65 2.0W
W27_ BLK
R89 4K7
R95 4K7
680N C46 63V
Heatsink Nodes
Yorkville
Product XS 800
AMP
PCB# M1204
Sheet 1 of 4
Date: Mon May 09, 2005
Rev: V2.10
Filename: M1204_2V10sch.sch2002







M1204 HISTORY			
MODEL(S):-	XS800H		
#	DATE	VER#	DESCRIPTION OF CHANGE
1	D	V1.00	N
2	NOV-29-2004	V2.00	PC#6774:WIDEN CLEARANCE UNDER C1 AND SOLID COPPER POURS (GT)
3	.	.	PC#6762: Q36 Thermistor changed to hand insert
4	.	.	
5	MAY-06-2005	V2.10	PC6895: CHANGE ALL #6954 IRF3205 TO #6966 IRL2910
6	D	V	N
7	D	V	N
8	D	V	N
9	D	V	N
10	D	V	N
11	D	V	N
12	D	V	N
13	D	V	N

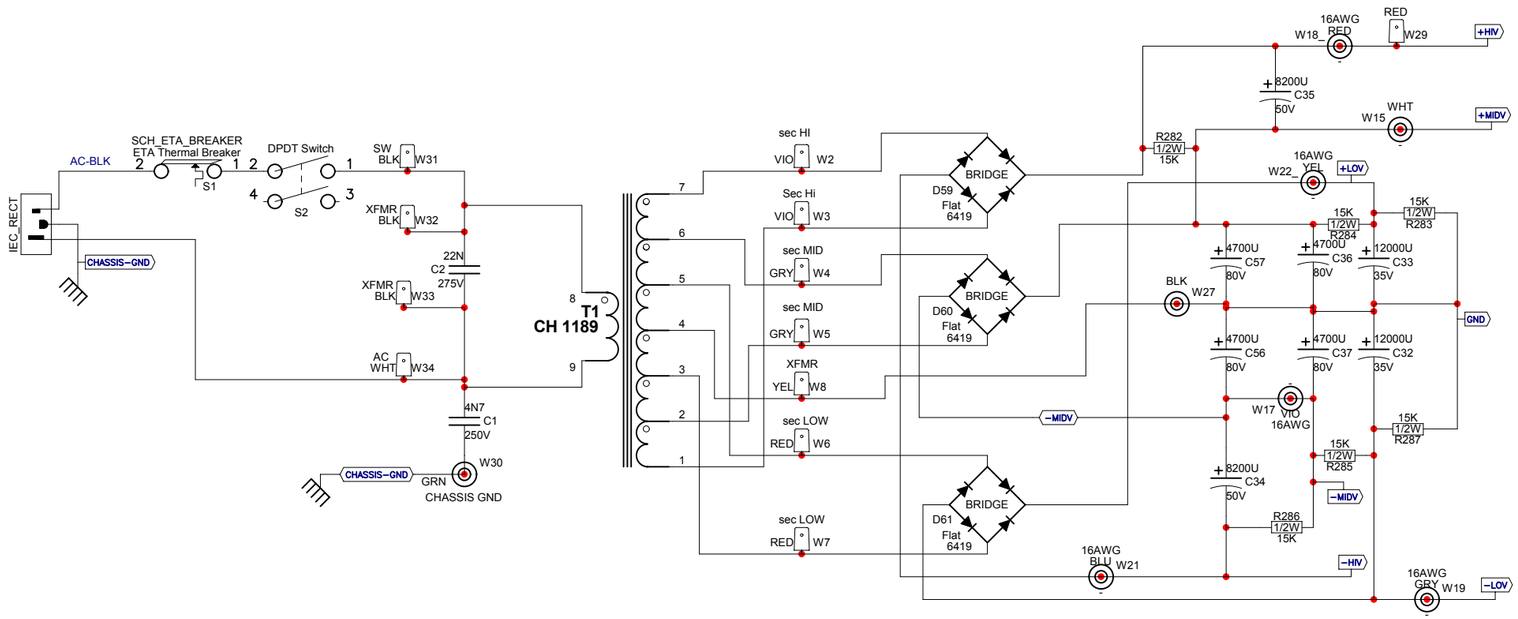
M1204 PENDING CHANGES		
MODEL(S):-	XS800H	
#	PC#	PENDING CHANGE
1	PC	X
2	PC	X
3	PC	X
4	PC	X
5	PC	X
6	PC	X

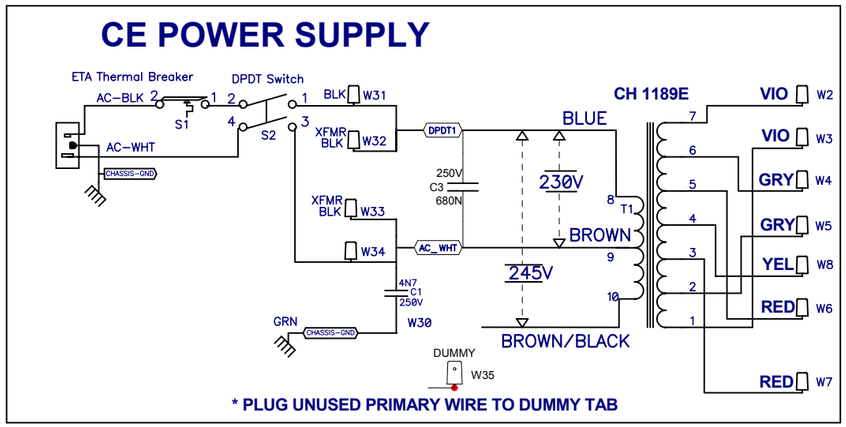
*PLACE IMPLEMENTED CHANGES INTO BOARD HISTORY

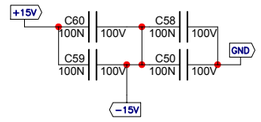
Yorkville

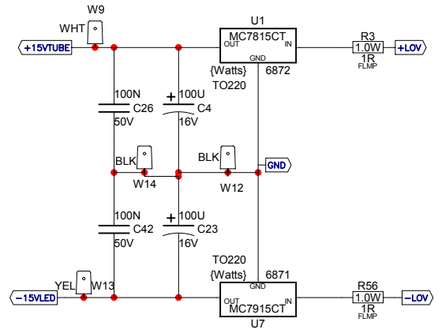
Product **XS 800**

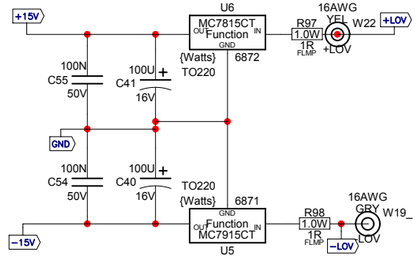
AMP-IN	PCB# M1204	Sheet 2 of 4
Date: Mon May 09, 2005	Rev: V2.10	
Filename: M1204_2V10sch.sch2002		



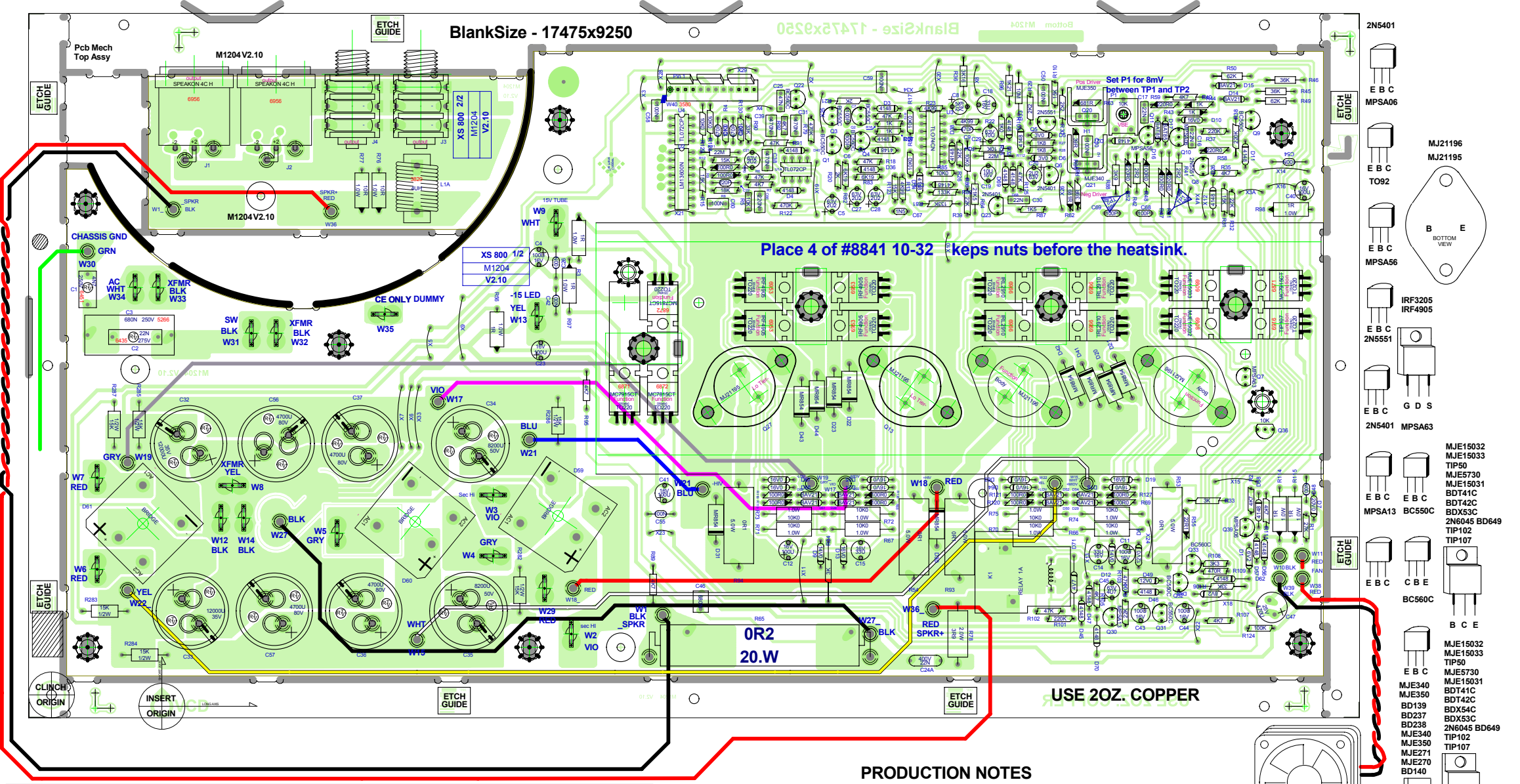








Yorkville	Product **XS 800**		
	POWER SUPPLY	**PCB# M1204**	**Sheet 3 of 4**
	Date: Mon May 09, 2005	**Rev: V2.10**	
	Filename: M1204_2V10sch.sch2002		

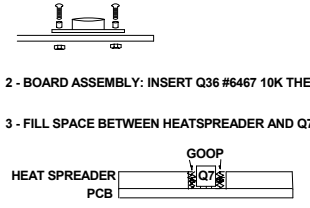


PRODUCTION NOTES

1 - MOUNT Q12,Q13,Q26,Q27 SCREWS FROM THE TOP

2 - BOARD ASSEMBLY: INSERT Q36 #6467 10K THERMISTOR BY HAND

3 - FILL SPACE BETWEEN HEATSPREADER AND Q7 AND Q36 WITH THERMAL GOOP



SOCKET
SOCKET UPSIDE DOWN
NORMAL
NORMAL LARGE
SOCKET WITH DIRECTION
TAB

M1204 HISTORY

MODEL(S):- XS800H

#	DATE	VER#	DESCRIPTION OF CHANGE
1	D	V1.00	N
2	NOV-29-2004	V2.00	PC#6774:WIDEN CLEARANCE UNDER C1 AND SOLID COPPER POURS (GT)
3	.	.	PC#6762: Q36 Thermistor changed to hand insert
4	.	.	
5	MAY-06-2005	V2.10	PC6895: CHANGE ALL #6954 IRF3205 TO #6966 IRL2910
6	D	V	N
7	D	V	N
8	D	V	N
9	D	V	N
10	D	V	N
11	D	V	N
12	D	V	N
13	D	V	N

M1204 DRILL HISTORY

MODEL(S):- XS800H

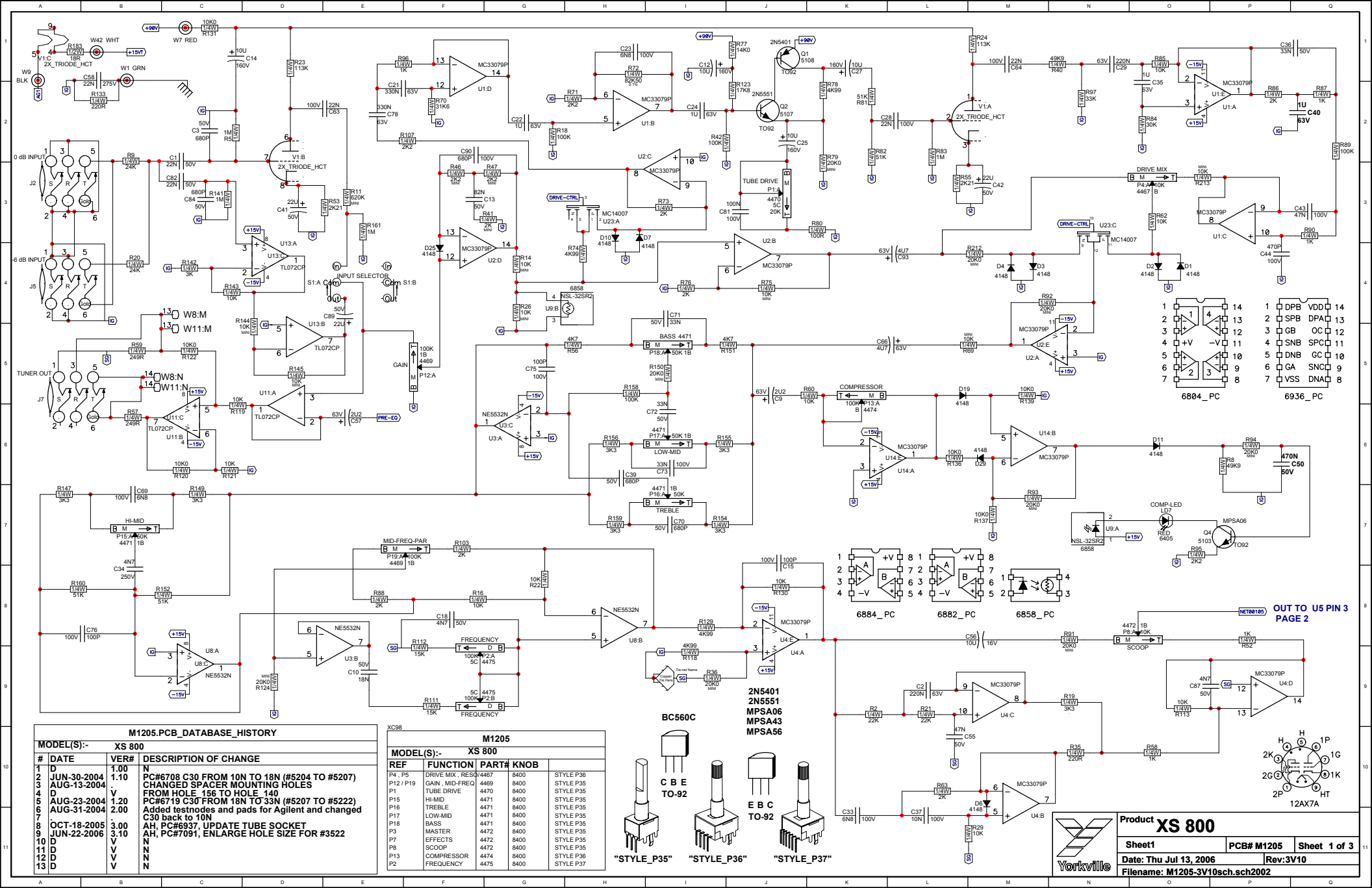
#	DATE	VER#	DESCRIPTION OF CHANGE
1	D	V	N
2	D	V	N
3	D	V	N
4	D	V	N
5	D	V	N
6	D	V	N

M1204 PENDING CHANGES

MODEL(S):- XS800H

#	PC#	PENDING CHANGE
1	PC	X
2	PC	X
3	PC	X
4	PC	X
5	PC	X
6	PC	X

*PLACE IMPLEMENTED CHANGES INTO BOARD HISTORY



M1205.PCB_DATABASE_HISTORY

MODEL(S):- XS 800

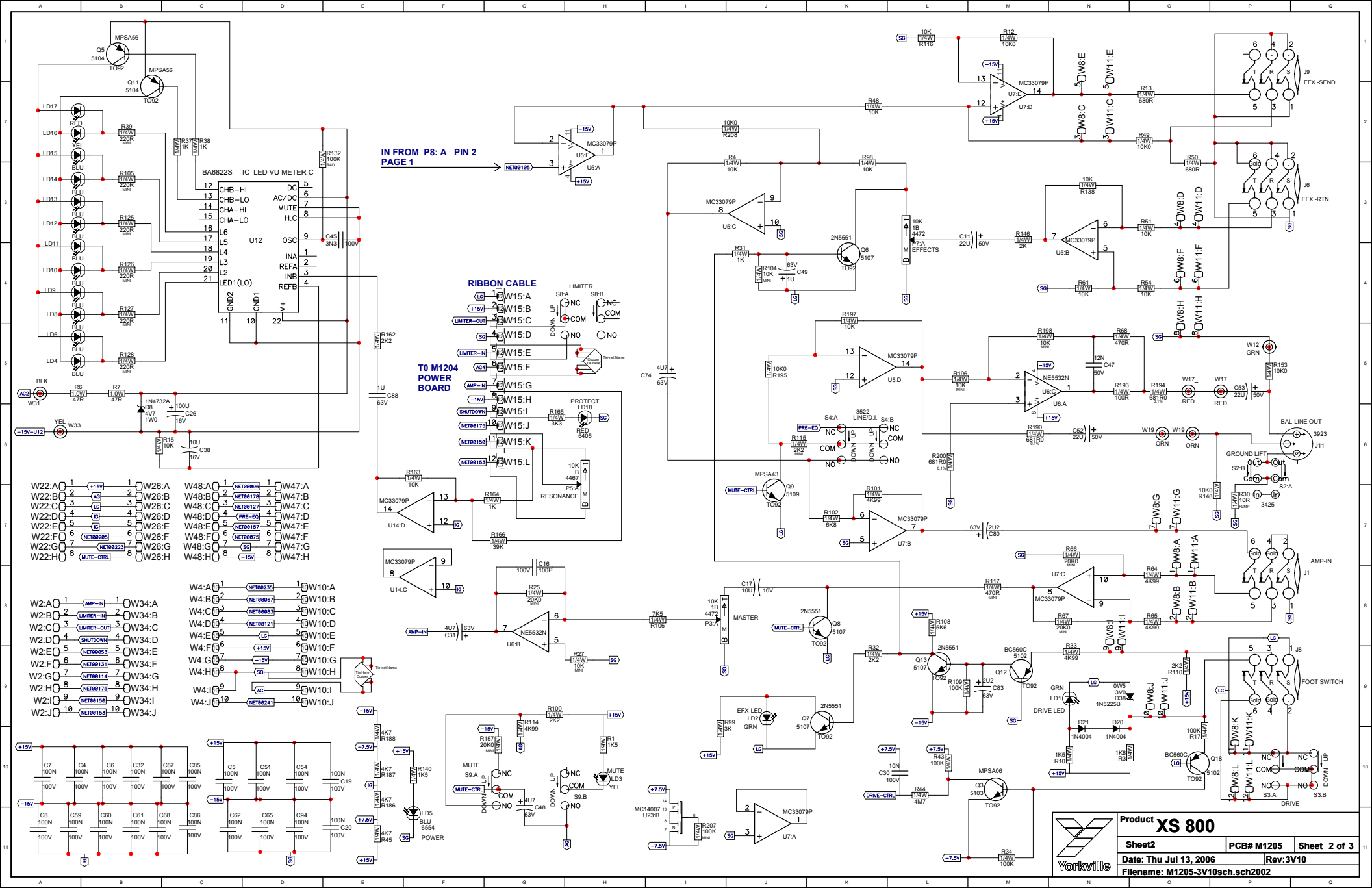
#	DATE	VER#	DESCRIPTION OF CHANGE
1	D	1.00	N
2	JUN-30-2004	1.10	PC#6708 C30 FROM 10N TO 18N (#5204 TO #5207)
3	AUG-13-2004	.	CHANGED SPACER MOUNTING HOLES
4	D	V	FROM HOLE_156 TO HOLE_140
5	AUG-23-2004	1.20	PC#6719 C30 FROM 18N TO 33N (#5207 TO #5222)
6	AUG-31-2004	2.00	Added testnodes and pads for Agilent and changed C30 back to 10N
7	.	.	.
8	OCT-18-2005	3.00	AH, PC#6937, UPDATE TUBE SOCKET
9	JUN-22-2006	3.10	AH, PC#7091, ENLARGE HOLE SIZE FOR #3522
10	D	V	N
11	D	V	N
12	D	V	N
13	D	V	N

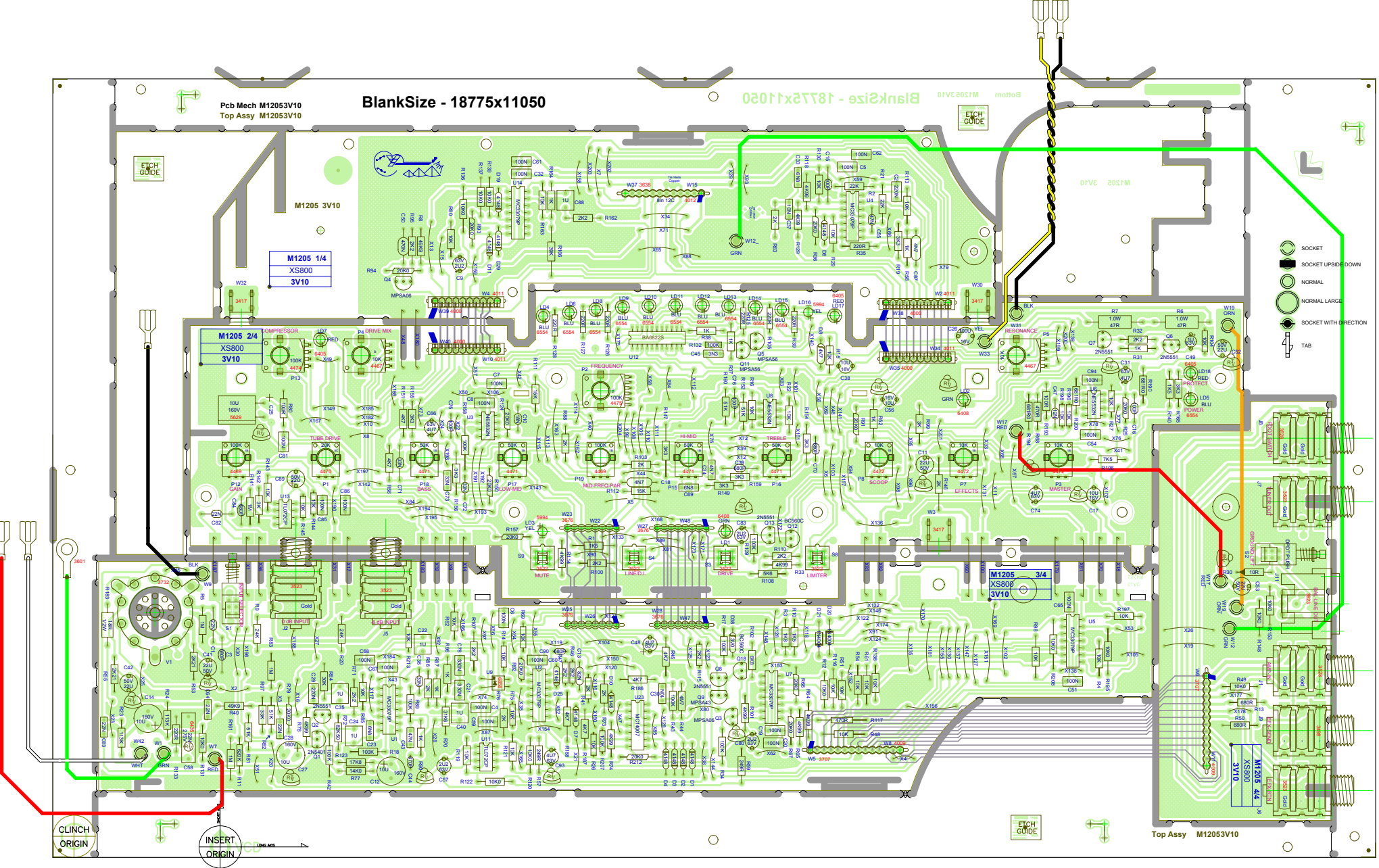
XC98

M1205

MODEL(S):- XS 800

REF	FUNCTION	PART#	KNOB	
P4 , P5	DRIVE MIX , RESO	4467	8400	STYLE P36
P12 / P19	GAIN , MID-FREQ	4469	8400	STYLE P35
P1	TUBE DRIVE	4470	8400	STYLE P35
P15	HI-MID	4471	8400	STYLE P35
P16	TREBLE	4471	8400	STYLE P35
P17	LOW-MID	4471	8400	STYLE P35
P18	BASS	4471	8400	STYLE P35
P3	MASTER	4472	8400	STYLE P35
P7	EFFECTS	4472	8400	STYLE P35
P8	SCOOP	4472	8400	STYLE P35
P13	COMPRESSOR	4474	8400	STYLE P36
P2	FREQUENCY	4475	8400	STYLE P37

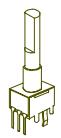

IN FROM P8: A PIN 2
PAGE 1
T0 M1204
POWER
BOARD
RIBBON CABLE
BA6822S IC LED VU METER C
MC33079P
NE5532N
MC14007
Product XS 800
Sheet2
PCB# M1205
Sheet 2 of 3
Date: Thu Jul 13, 2006
Rev:3V10
Filename: M1205-3V10sch.sch2002
Yorkville


Pcb Mech M12053V10
Top Assy M12053V10
BlankSize - 18775x11050
M1205 3V10
M1205 1/4
XS800
3V10
M1205 2/4
XS800
3V10
M1205 3/4
XS800
3V10
M1205 4/4
XS800
3V10
SOCKET
SOCKET UPSIDE DOWN
NORMAL
NORMAL LARGE
SOCKET WITH DIRECTION
TAB
CLINCH ORIGIN
INSERT ORIGIN
Top Assy M12053V10

SEE LAYOUT DIAGRAM

M1205				
MODEL(S):-	XS 800			
REF	FUNCTION	PART#	KNOB	
P4 , P5	DRIVE MIX , RESO	4467	8400	P36
P12 ; P19	GAIN , MID-FREQ	4469	8400	P35
P1	TUBE DRIVE	4470	8400	P35
P15	HI-MID	4471	8400	P35
P16	TREBLE	4471	8400	P35
P17	LOW-MID	4471	8400	P35
P18	BASS	4471	8400	P35
P3	MASTER	4472	8400	P35
P7	EFFECTS	4472	8400	P35
P8	SCOOP	4472	8400	P35
P13	COMPRESSOR	4474	8400	P36
P2	FREQUENCY	4475	8400	P37

M1205.PCB_DATABASE_HISTORY			
MODEL(S):-	XS 800		
#	DATE	VER#	DESCRIPTION OF CHANGE
1	D	1.00	N
2	JUN-30-2004	1.10	PC#6708 C30 FROM 10N TO 18N (#5204 TO #5207)
3	AUG-13-2004		CHANGED SPACER MOUNTING HOLES
4	D	V	FROM HOLE_156 TO HOLE_140
5	AUG-23-2004	1.20	PC#6719 C30 FROM 18N TO 33N (#5207 TO #5222)
6	AUG-31-2004	2.00	Added testnodes and pads for Agilent and changed C30 back to 10N
7			
8	OCT-18-2005	3.00	AH, PC#6937, UPDATE TUBE SOCKET
9	JUN-22-2006	3.10	AH, PC#7091, ENLARGE HOLE SIZE FOR #3522
10	D	V	N
11	D	V	N
12	D	V	N
13	D	V	N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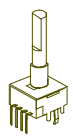
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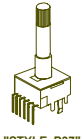
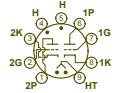

"STYLE_P37"

2N5401
2N5551
MPSA06
MPSA43
MPSA56


E B C
TO-92

BC560C


C B E
TO-92

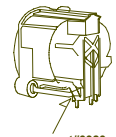


12AX7A

PRODUCTION NOTES

1-* BEND C25 CAP BEFORE WAVE SOLDERING
2- CUT METAL PIN ON XLR #3923 AS SHOWN
3- MANUALLY INSERT U12 AND CLINCH:
A) TOP LEFT FOUR PINS AND
B) BOTOM RIGHT FIVE PINS FROM
UNDER THE BOARD

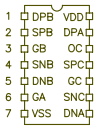
U12 LOOKING FROM BENEATH BOARD


pt#3923
THIS CONNECTION
MUST BE BROKEN
HERE

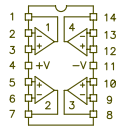
NOTE ABOUT DRILL FILE			
MODEL(S):-	XS800 M1205		
#	DATE	VER#	DESCRIPTION OF CHANGE
1	D	V	POST PROCESSING REQUIRED
2	D	V	IN THE EXCELLON DRILL FILE
3	D	V	CHANGE T8 CO.062 TO .063
4	D	V	SEARCH FOR THE TOOL THAT WAS CHANGED ABOVE
5	D	V	PUT PAIRS OF HOLES ONTO THE SAME LINE WITH
6	D	V	G85 BETWEEN THEM.
7	D	V	N
8	D	V	N
9	D	V	N
10	D	V	N
11	D	V	N
12	D	V	N
13	D	V	N

M1205 PENDING CHANGES		
MODEL(S):-	XS800	
#	PC#	PENDING CHANGE
1	PC	X
2	PC	X
3	PC	X
4	PC	X
5	PC	X
6	PC	X
7	PC	X
8	PC	X
9	PC	X
10	PC	X
11	PC	X
12	PC	X
13	PC	X

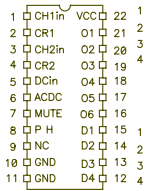
*PLACE IMPLEMENTED CHANGES INTO BOARD HISTORY



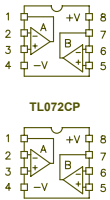
MC14007



MC33079P



BA6822S



TL072CP
NE5532N


NSL-32SR2

XS 800 POWER BOARD
3801 BUMPER LOCATION