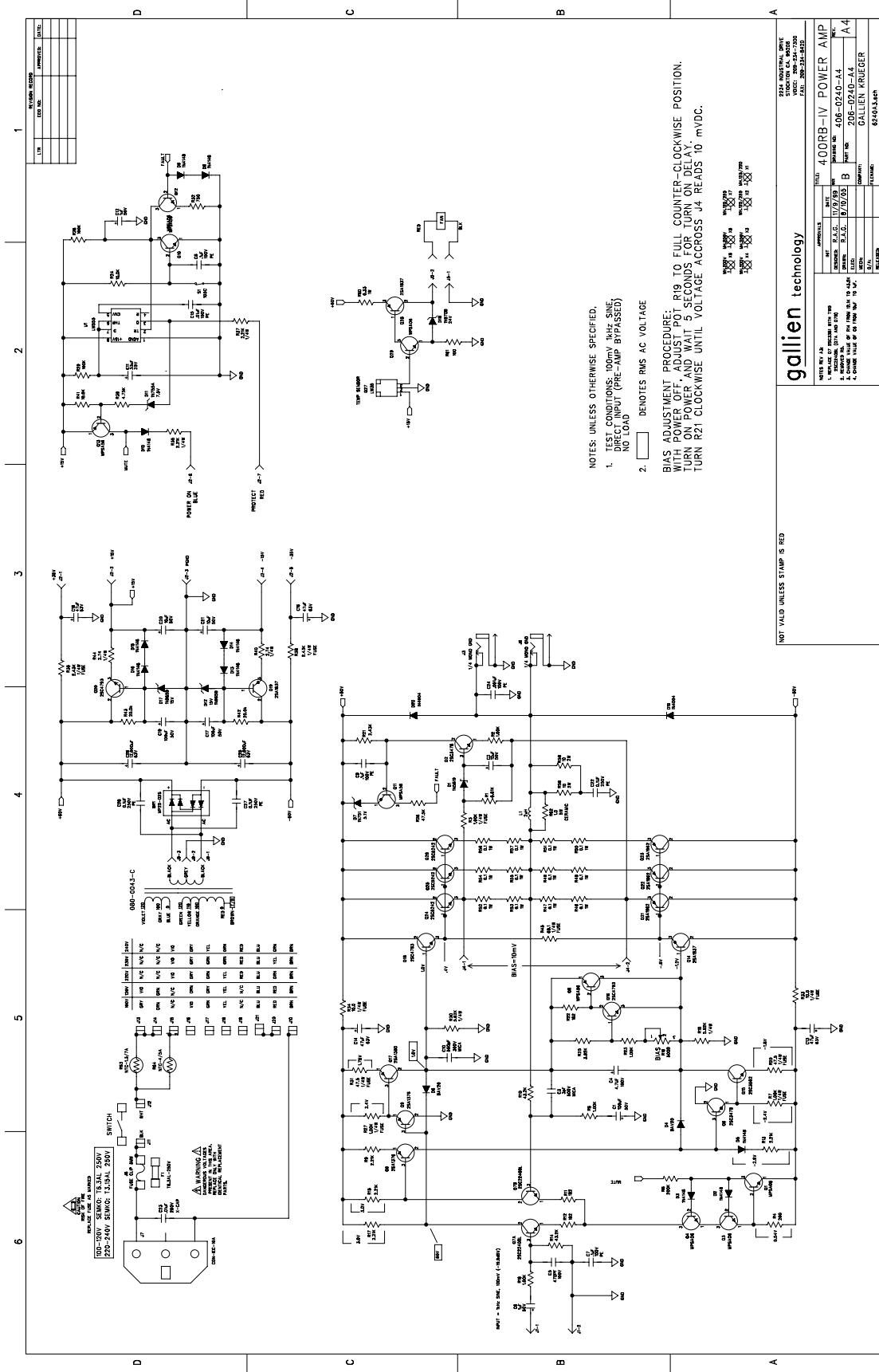


**NOTE:** Backline 600 uses the same power amp as the 400RB-IV.

Customer Name:		Gallien-Krueger		Current Rev #:		A3		New ECO Rev #:		A4	
Model:		400RB-IV		Distribute To:				Page:		1 Of: 1	
Assembly Description:		Power Amp		Originator:		Enrique Hernandez					
Assembly Numbers:		206-0240-A		Approved by:							
		145-0240-A		Effective Date:		8/10/2005					
Effective				Document Update				Date		Initials	
<input checked="" type="checkbox"/>	All in Process	<input checked="" type="checkbox"/>	Next Buy	<input type="checkbox"/>	Artwork						
<input type="checkbox"/>	All in Service	<input checked="" type="checkbox"/>	Next Production Run	<input type="checkbox"/>	Assembly Dwg.						
<input type="checkbox"/>	All in Stock	<input type="checkbox"/>		<input checked="" type="checkbox"/>	Board Artwork					RAG	
Beginning Serial Number:				<input checked="" type="checkbox"/>	BOM					Noli	
Reason For Change				<input type="checkbox"/>	Control Form						
1. Q7(2SC3381) on power amp is obsolete, replace with two 2SC2240BL.				<input checked="" type="checkbox"/>	Costing					TC	
2. Remove R5, change values of R14 to 43.2K and C6 to 1uF, 50V. This is to decrease offset DC voltage from 45mVdc to 10mVdc.				<input checked="" type="checkbox"/>	Part Master File					Noli	
				<input checked="" type="checkbox"/>	Schematic					Noli	
				<input type="checkbox"/>	Service Manual						
				<input type="checkbox"/>	Test Procedure						
				<input type="checkbox"/>							
				Other Affected Assemblies							
				290 Assemblies , 302 Assembly (Head)							
				303 Assemblies (Combo)							
<input type="checkbox"/>	Continued on ECO Supplement Page										
Description Of Change				Distribution				Date		Initials	
Update Schematic				<input type="checkbox"/>	Accounting						
				<input type="checkbox"/>	Assembly						
Update PCB board part number to 145-0240-A4				<input checked="" type="checkbox"/>	Engineering						
				<input checked="" type="checkbox"/>	Incoming Q.C.						
Update Part Master File.				<input checked="" type="checkbox"/>	Production Eng.						
				<input checked="" type="checkbox"/>	Purchasing						
Update BOM				<input type="checkbox"/>	Q.A.						
				<input type="checkbox"/>	Service						
				<input type="checkbox"/>	Test						
<input type="checkbox"/>	Continued on Supplement Page		<input type="checkbox"/>	Drawing(s) attached							
Part Number	Description	Parts Added		Parts Deleted							
		Qty	Ref. Designator	Qty	Ref. Designator						
010-0000-0	2SC3381BL			1	Q7						
010-0010-0	2SC2240BL	2	Q7, Q7A								
060-1213-0	12.1k RES, 1/8W			2	R5, R14						
060-4323-0	43.2k RES, 1/8W	1	R14								
031-2106-0	CAP 10uF, 50V			1	C6						



REV.	DATE	BY	CHKD.	DESCRIPTION

REVISIONS

DATE

BY

CHKD.

DESCRIPTION

- NOTES: UNLESS OTHERWISE SPECIFIED:
- TEST CONDITIONS: 100V, 50Hz SINE DIRECT INPUT (PRE-AMP BYPASSED) NO LOAD
  - DENOTES RMS AC VOLTAGE

BIAS ADJUSTMENT PROCEDURE:  
 WITH POWER OFF, ADJUST POT R19 TO FULL COUNTER-CLOCKWISE POSITION.  
 TURN ON POWER AND WAIT 5 SECONDS FOR TURN ON DELAY.  
 TURN R21 CLOCKWISE UNTIL VOLTAGE ACROSS J4 READS 10 mVDC.

REV.		DATE		BY		CHKD.		DESCRIPTION	

REV.		DATE		BY		CHKD.		DESCRIPTION	

REV.		DATE		BY		CHKD.		DESCRIPTION	

REV.		DATE		BY		CHKD.		DESCRIPTION	

REV.		DATE		BY		CHKD.		DESCRIPTION	

NOT VALID UNLESS STAMP IS RED

gallien technology

400RB-IV POWER AMP

REV. 1.0

DATE: 10/19/05

DESIGNER: J.L.L.

DATE: 10/19/05

COMPANY: GALLIEN BRUEGER

PROJECT: 6240A4

REV: 1.0

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