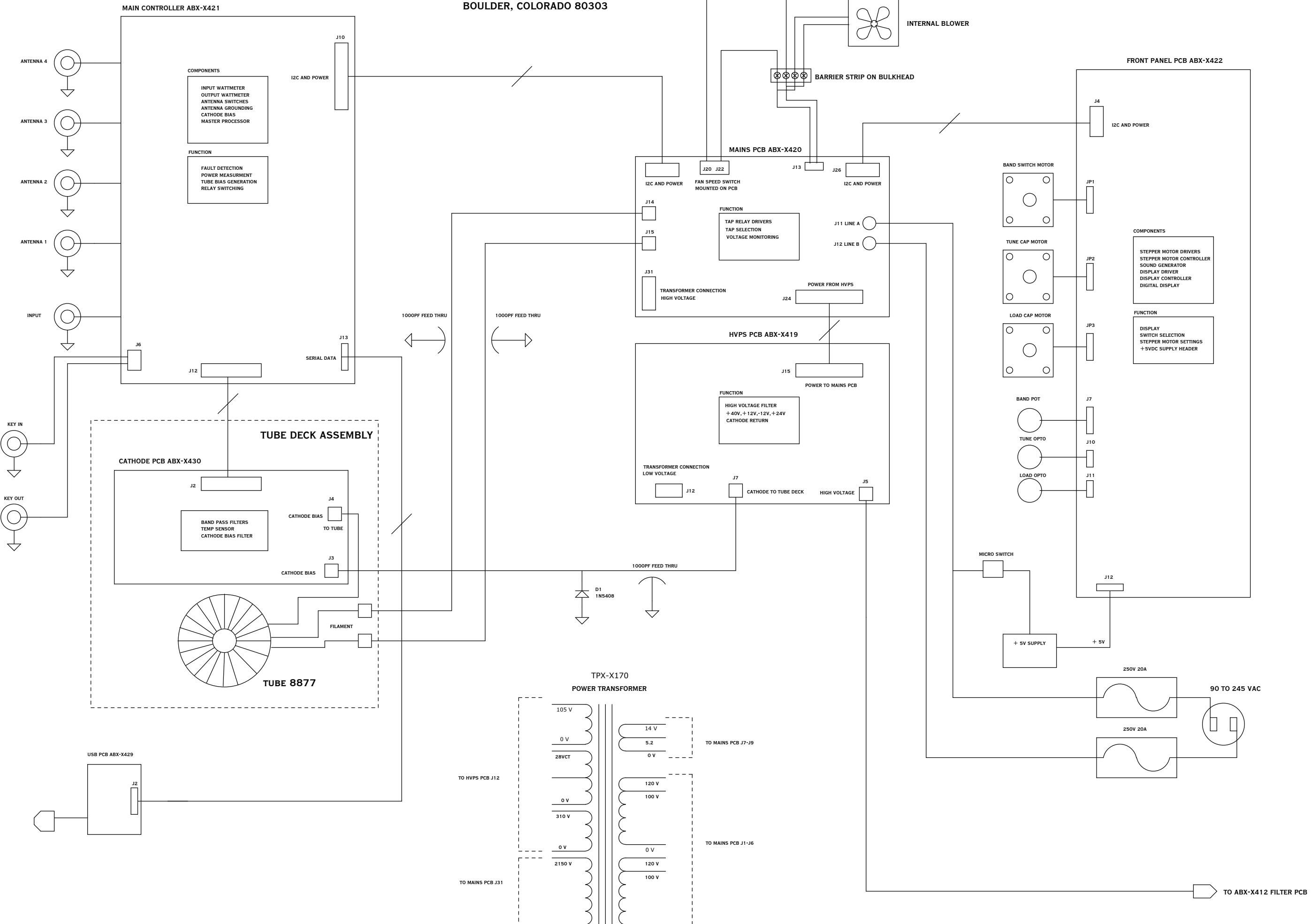
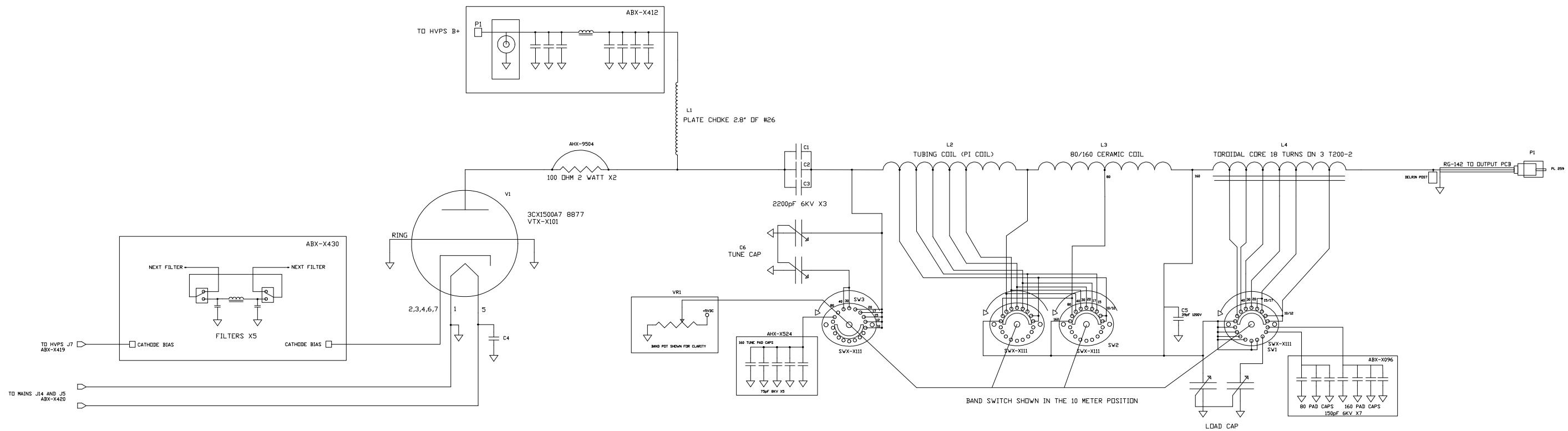


9500 BLOCK DIAGRAM
RF CONCEPTS LLC
BOULDER, COLORADO 80303





9500 RF DECK

RF CONCEPTS LLC
BOULDER, COLORADO 803

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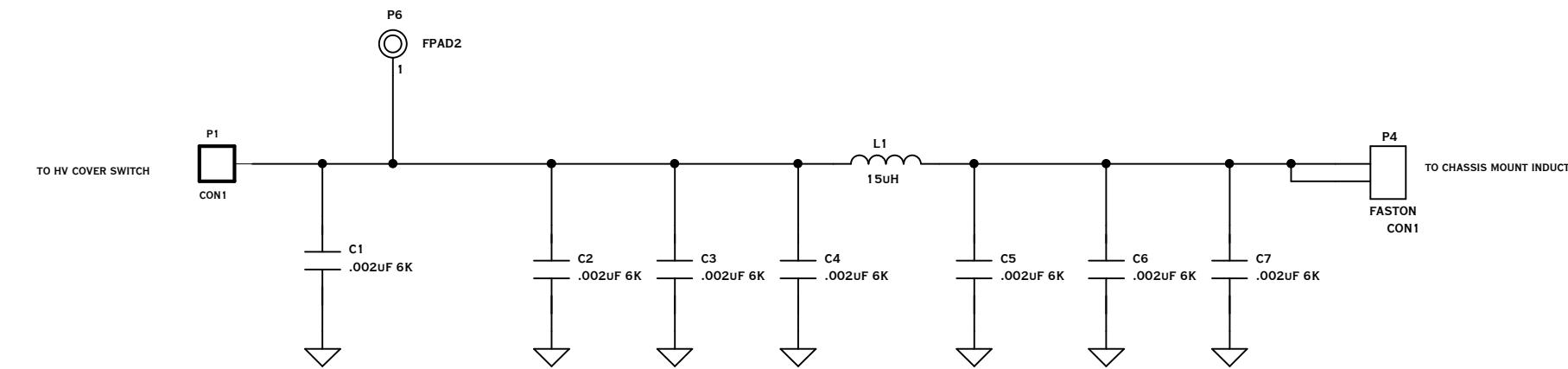
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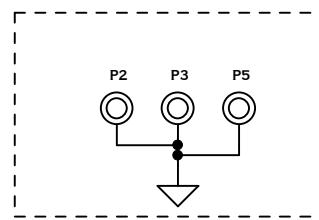
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REVISION HISTORY

REV	ECO NO.	DESCRIPTION	CHANGED BY & DATE	CHECKED BY & DATE	EFFECTIVITY DATE
A		INITIAL RELEASE TO MFG.	BWF 07/19/07	GEH 07/19/07	07/19/07



MOUNTING HOLES



PROJECT NO. 8100/99

ENGINEER: G. HARDMAN DATE: 07/19/07

DRAWN BY: B. FOCKEN DRAFT DATE: 07/19/07

RF CONCEPTS LLC6185 ARAPAHOE RD.
BOULDER, COLORADO 80303
PHONE: (303) 473-9232
FAX: (303) 473-9660TITLE:
SCH,ALPHA 8100/99 CENTER PARTITION FILTERDRAWING FILE:
BCX-X412_REV_A.SCHPROPRIETARY NOTICE:
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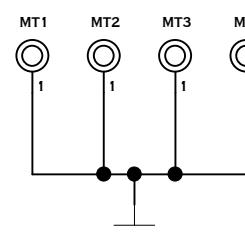
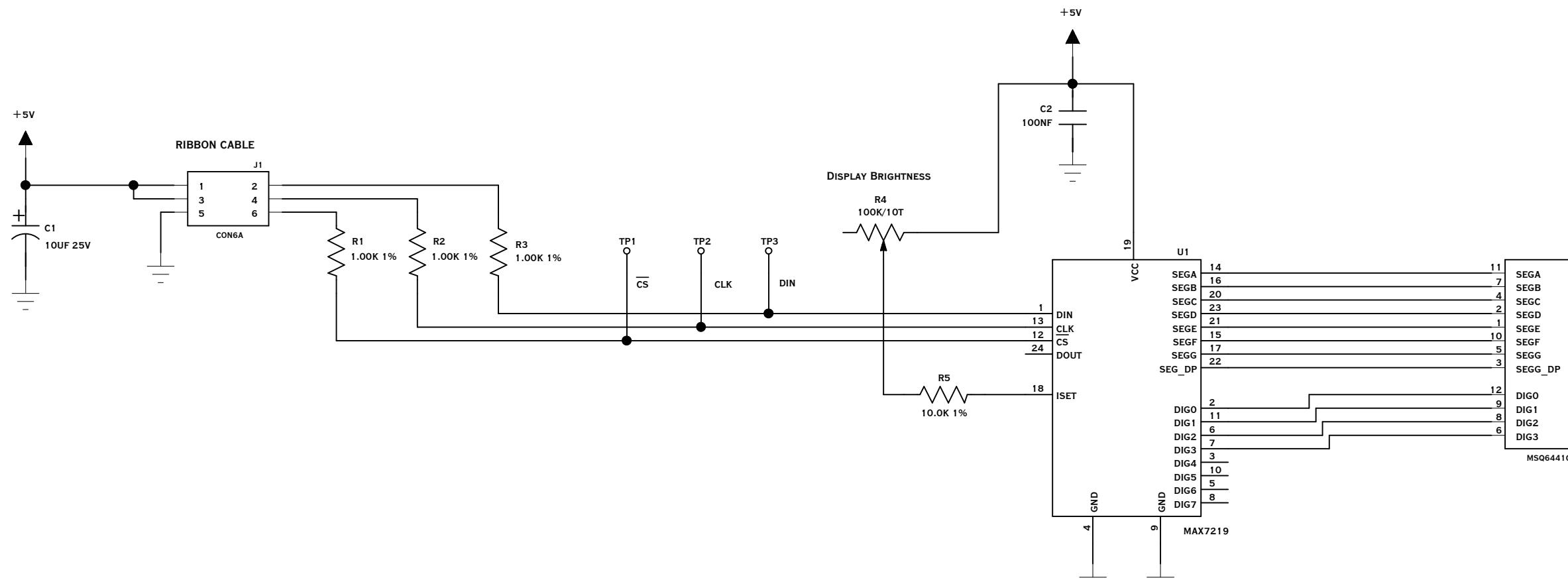
PADS POWERLOGIC DRAWING

SIZE	DRAWING #	REV.
B	BCX-X412	A
SCALE		SHEET 1 OF 1

6

REVISION HISTORY

REV	ECO NO.	DESCRIPTION	CHANGED BY & DATE	CHECKED BY & DATE	EFFECTIVITY DATE



COMPONENT TYPE = ELECTRICAL
CATEGORY = CUSTOM
DESIGNATION = N/A

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	PROJECT NO.	9500
	ENGINEER:	G. HARDMANN
	DRAWN BY:	B. FOCKEN
	DRAFTING FILE:	BCX-X418_REV_1.PDF
	PADS POWERLOGIC DRAWING	

RF CONCEPTS LLC

SCH,9500 FRONT PANEL DIGITAL DISPLAY

6185 ARAPAHOE RD.
BOULDER, COLORADO 80303
PHONE: (303) 473-9232

SHEET 1 OF 1

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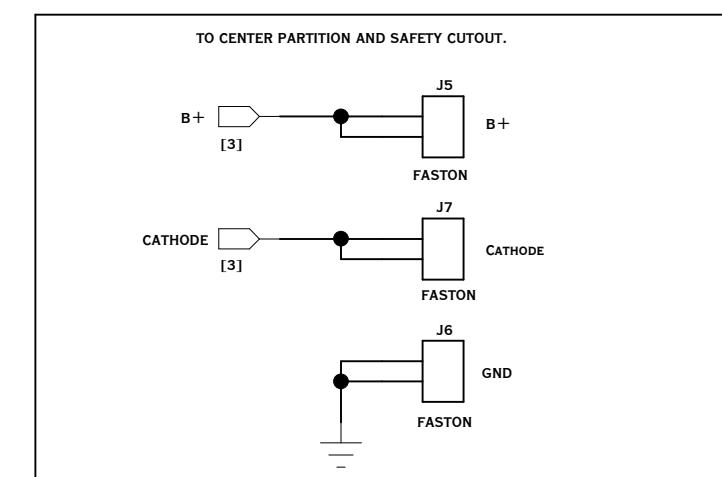
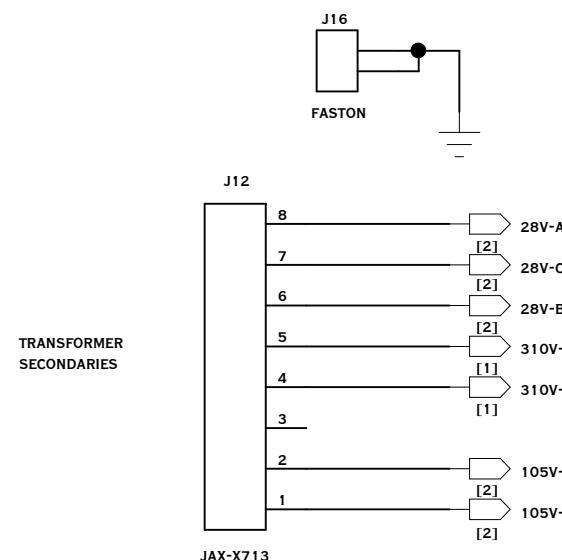
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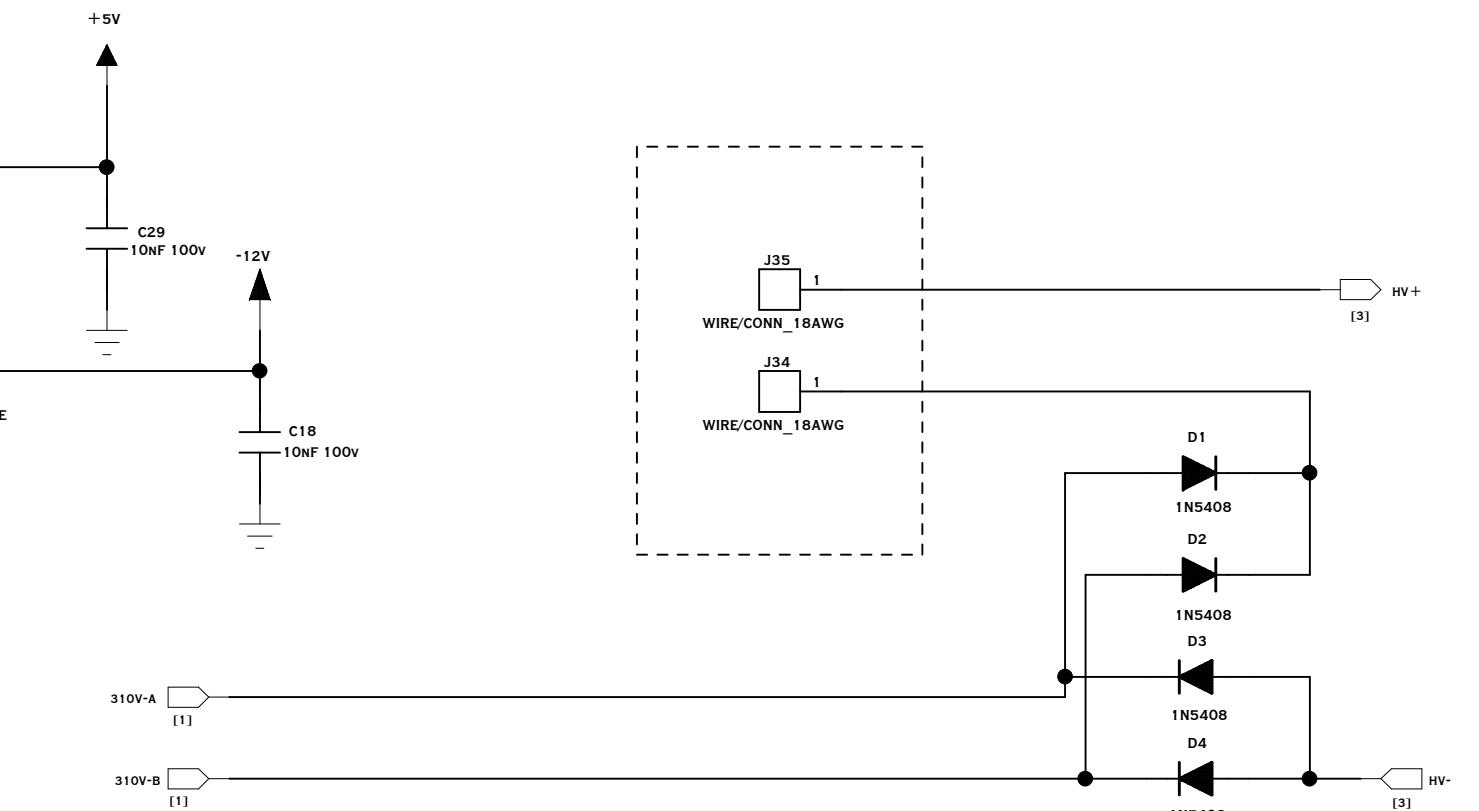
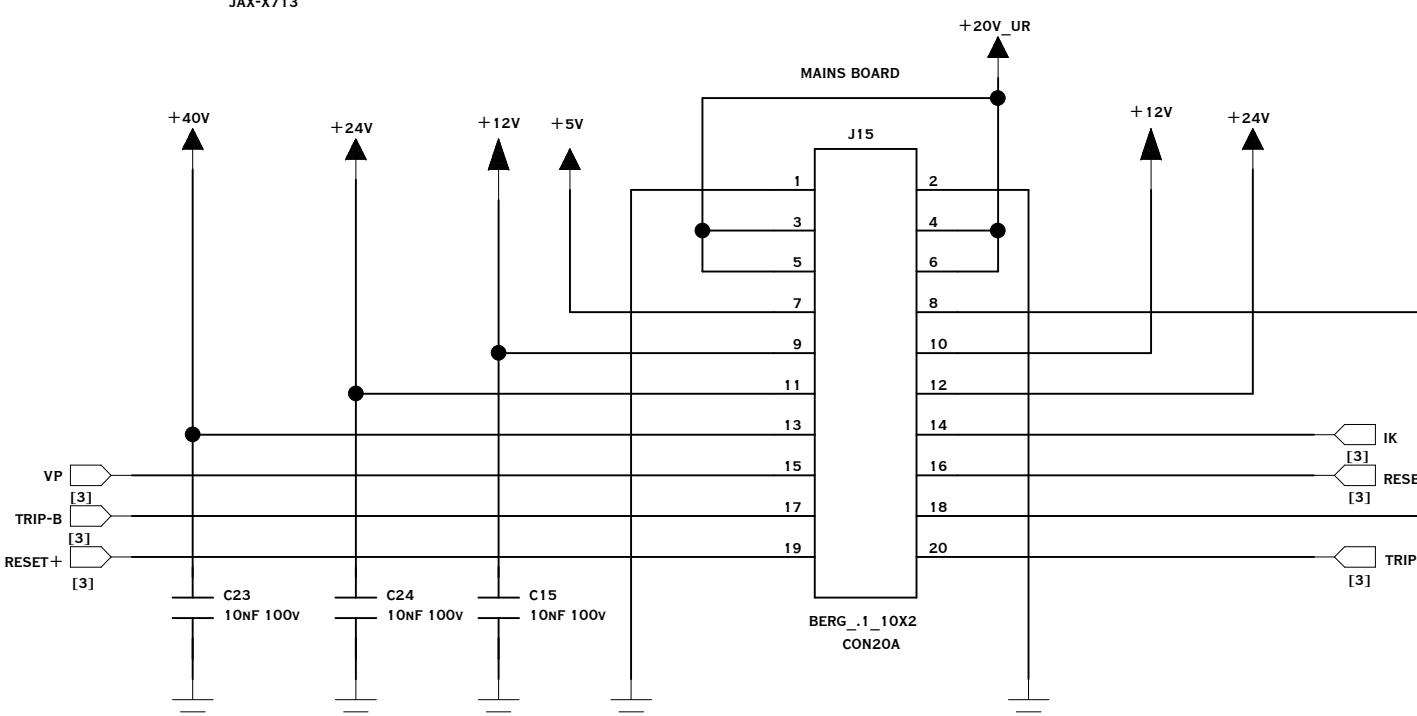
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REVISION HISTORY					
REV	ECO NO.	DESCRIPTION	CHANGED BY & DATE	CHECKED BY & DATE	EFFECTIVITY DATE
1		DEVELOPMENT	BWF 09/01/05	GEH 09/01/05	09/01/05
2		INITIAL RELEASE	BWF 07/15/06	GEH 07/15/06	07/15/06
3		ADD POWER SUPPLY	BWF 07/28/06	GEH 07/28/06	07/28/06
3.1		CHANGES TO VALUES AND POLARITY	BWF 10/17/06	GEH 10/17/06	10/17/06

C



PROJECT NO.	9500	6185 ARAPAHOE RD. BOULDER, COLORADO 80303 PHONE: (303) 473-9232 FAX: (303) 473-9660
ENGINEER:	G. HARDMANN	DATE: 10/17/06
DRAWN BY:	B. FOCKEN	DRAFT DATE: 10/17/06
DRAWING FILE: BCX-X419_REV_A.SCH		TITLE: SCH,9500,HIGH VOLTAGE POWER SUPPLY
SIZE	DRAWING #	REV.
B	BCX-X419	A
PADS POWERLOGIC DRAWING		SCALE
SHEET 1 OF 3		

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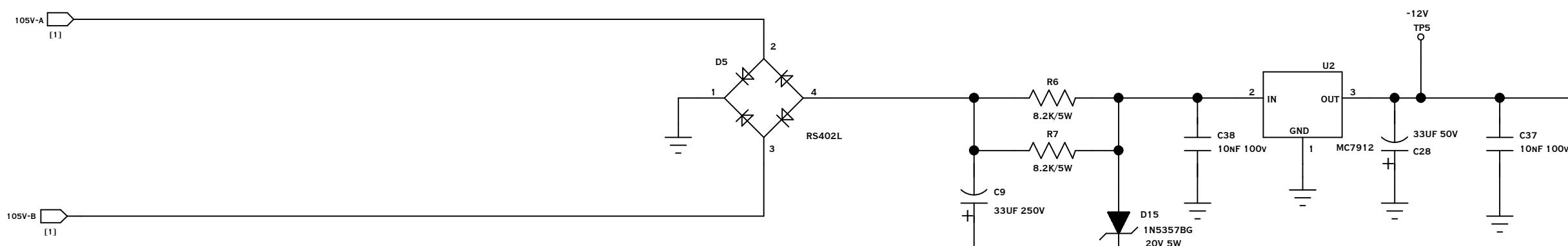
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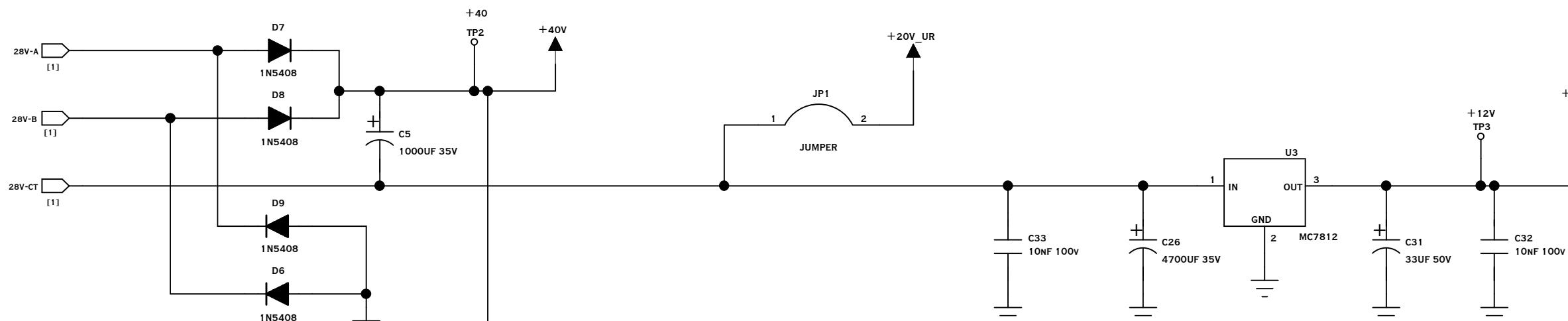
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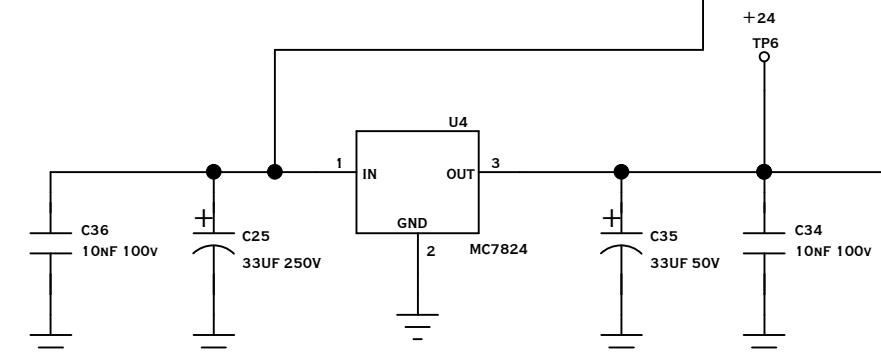
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PROJECT NO.	9500
ENGINEER:	DATE:
G. HARDMANN	10/17/06
DRAWN BY:	DRAFT DATE:
B. FOCKEN	10/17/06
DRAWING FILE:	TITLE:
BCX-X418_REV_A.SCH	SCH,9500,HIGH VOLTAGE POWER SUPPLY
SIZE	DRAWING #
B	BCX-X419
PADS POWERLOGIC DRAWING	
SCALE	

RF CONCEPTS LLC

6185 ARAPAHOE RD.
BOULDER, COLORADO 80303
PHONE: (303) 473-9232
FAX: (303) 473-9660

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SHEET 2 OF 3

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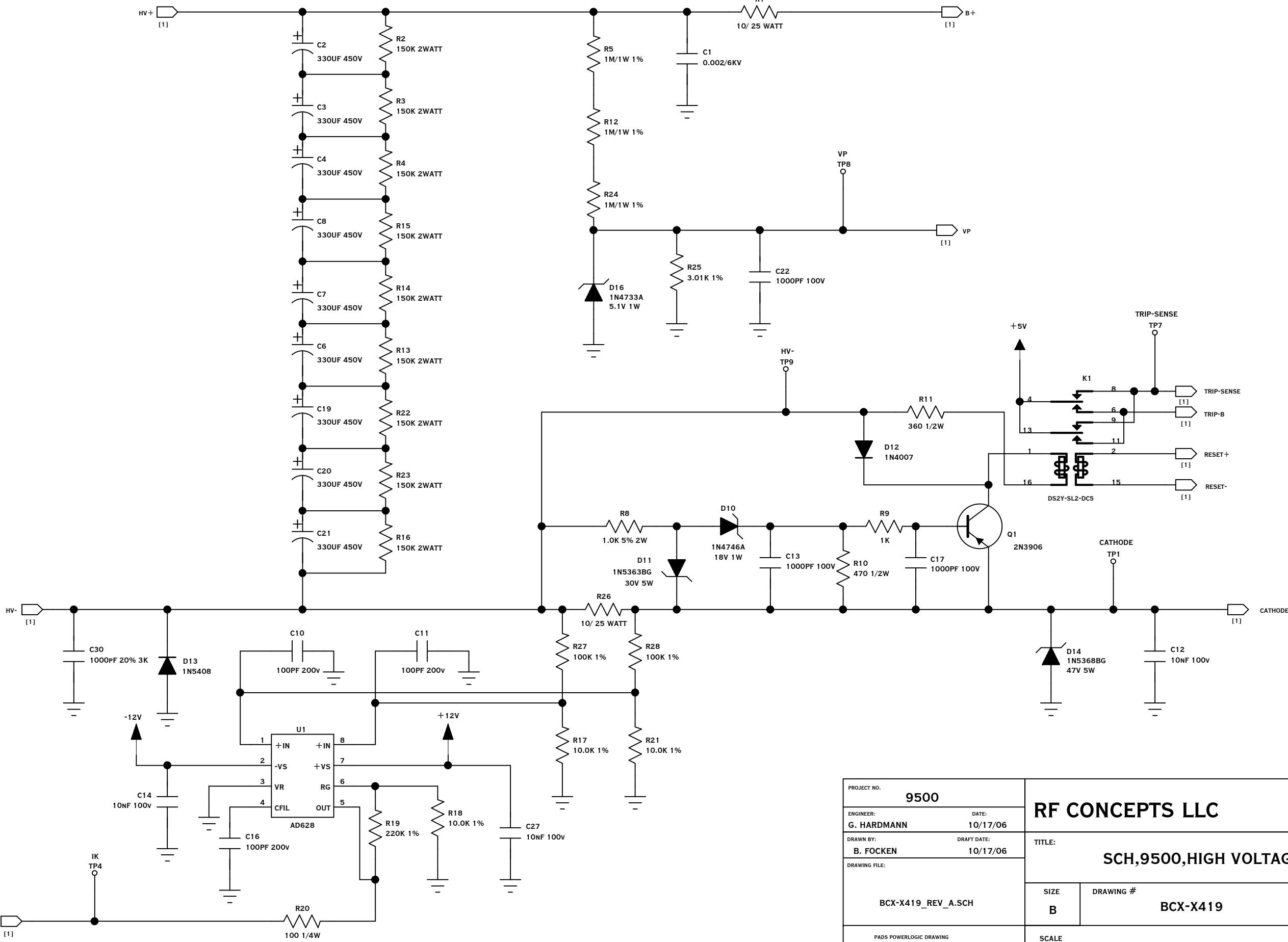
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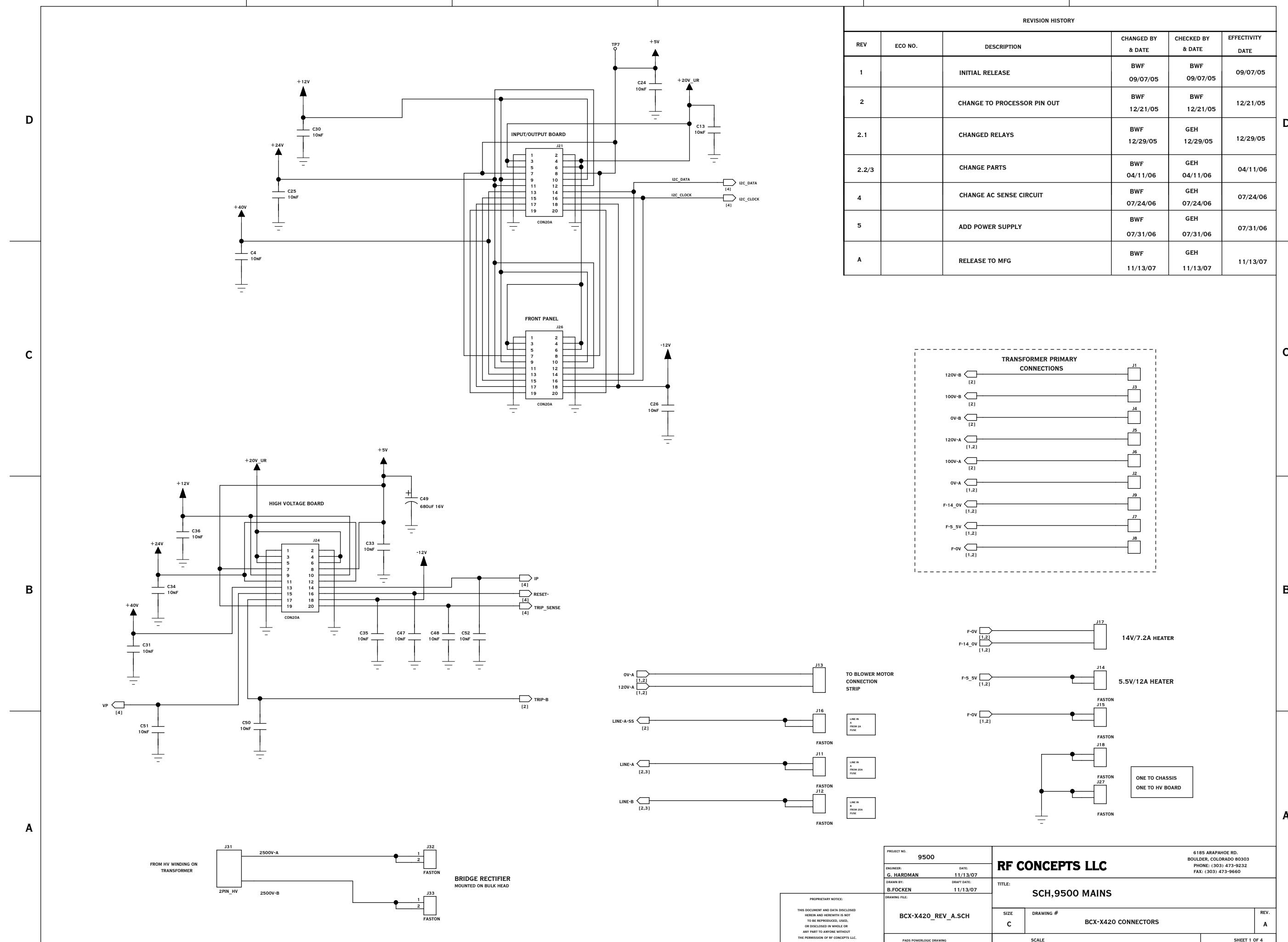
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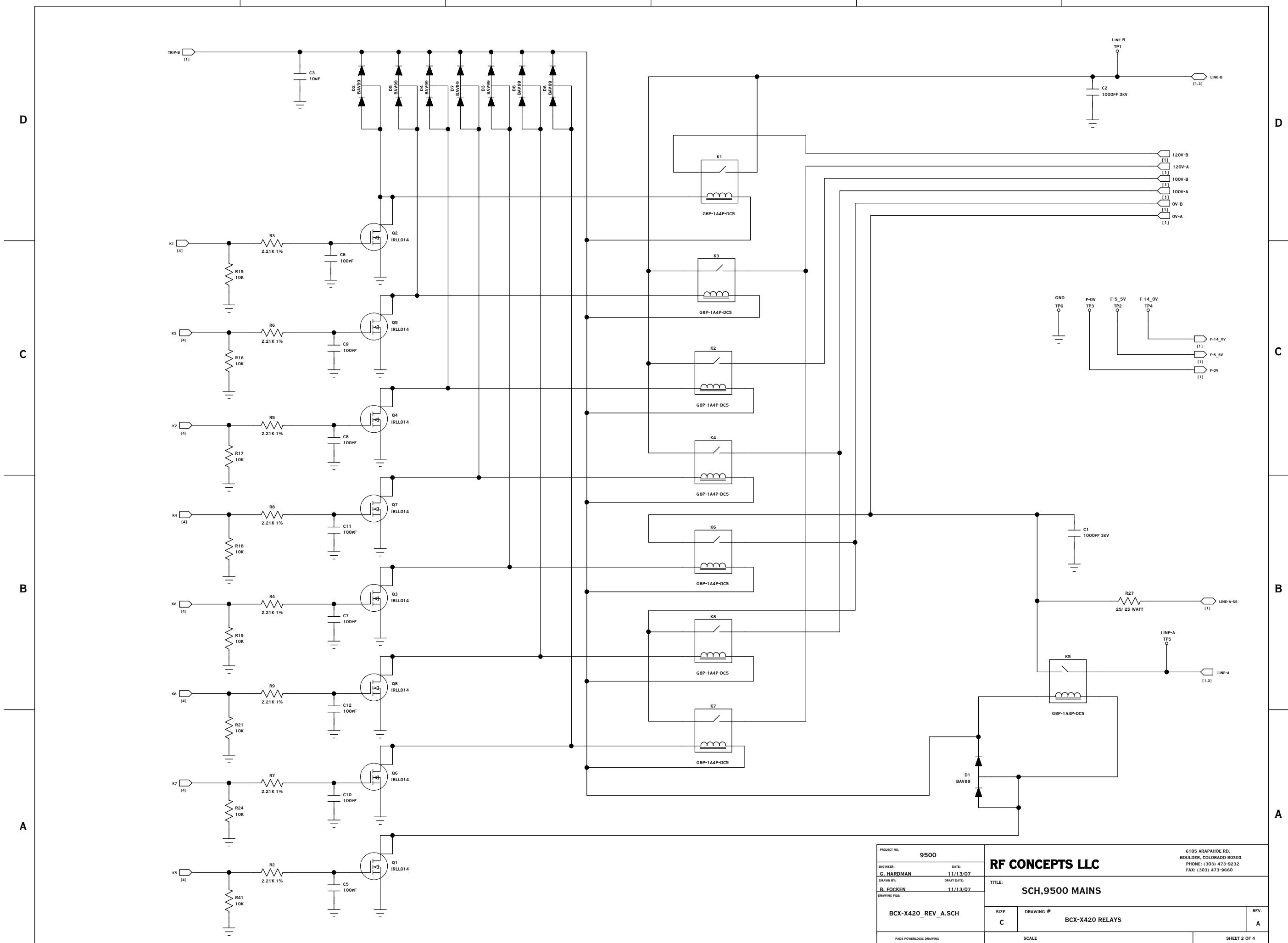
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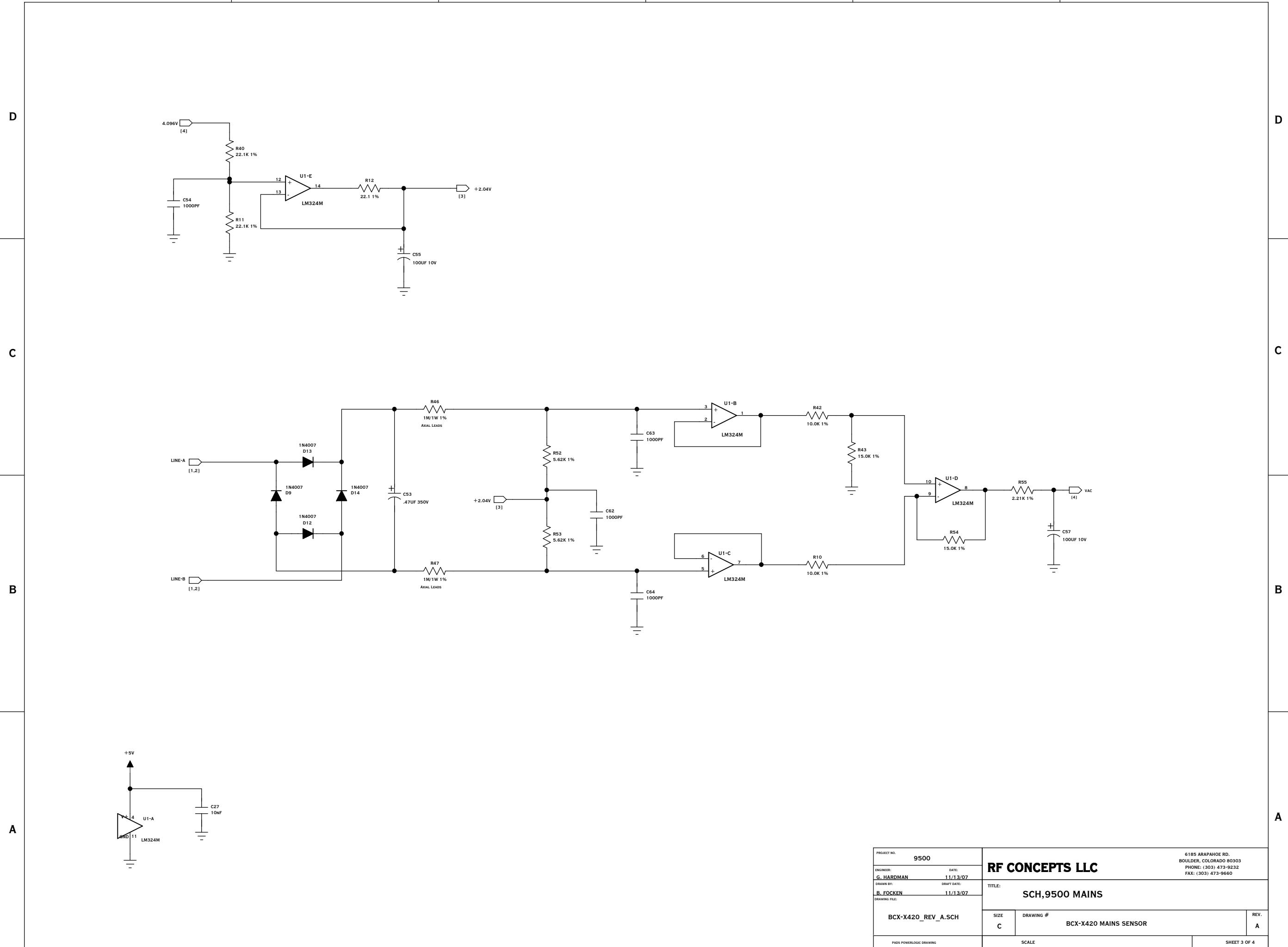
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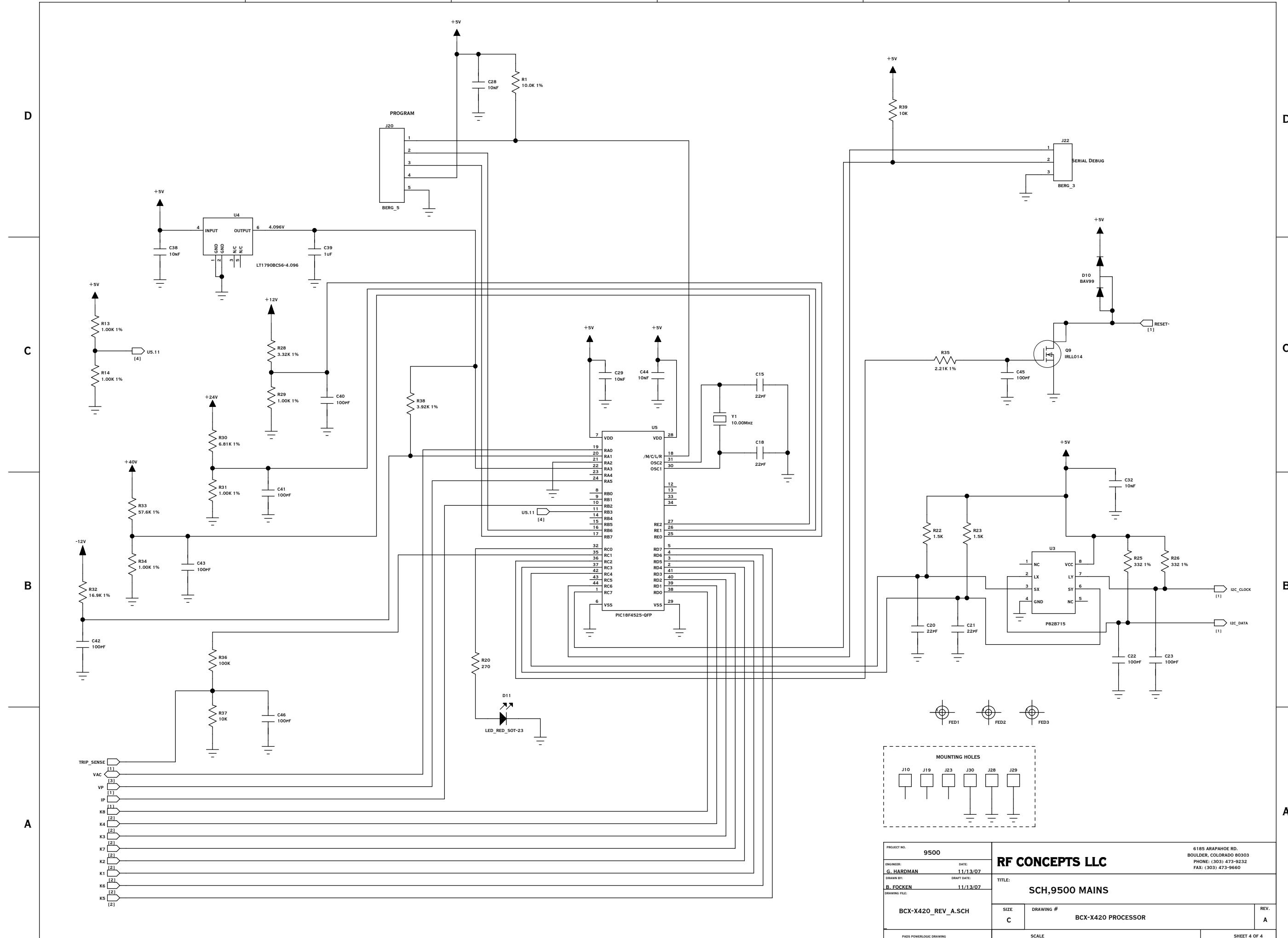


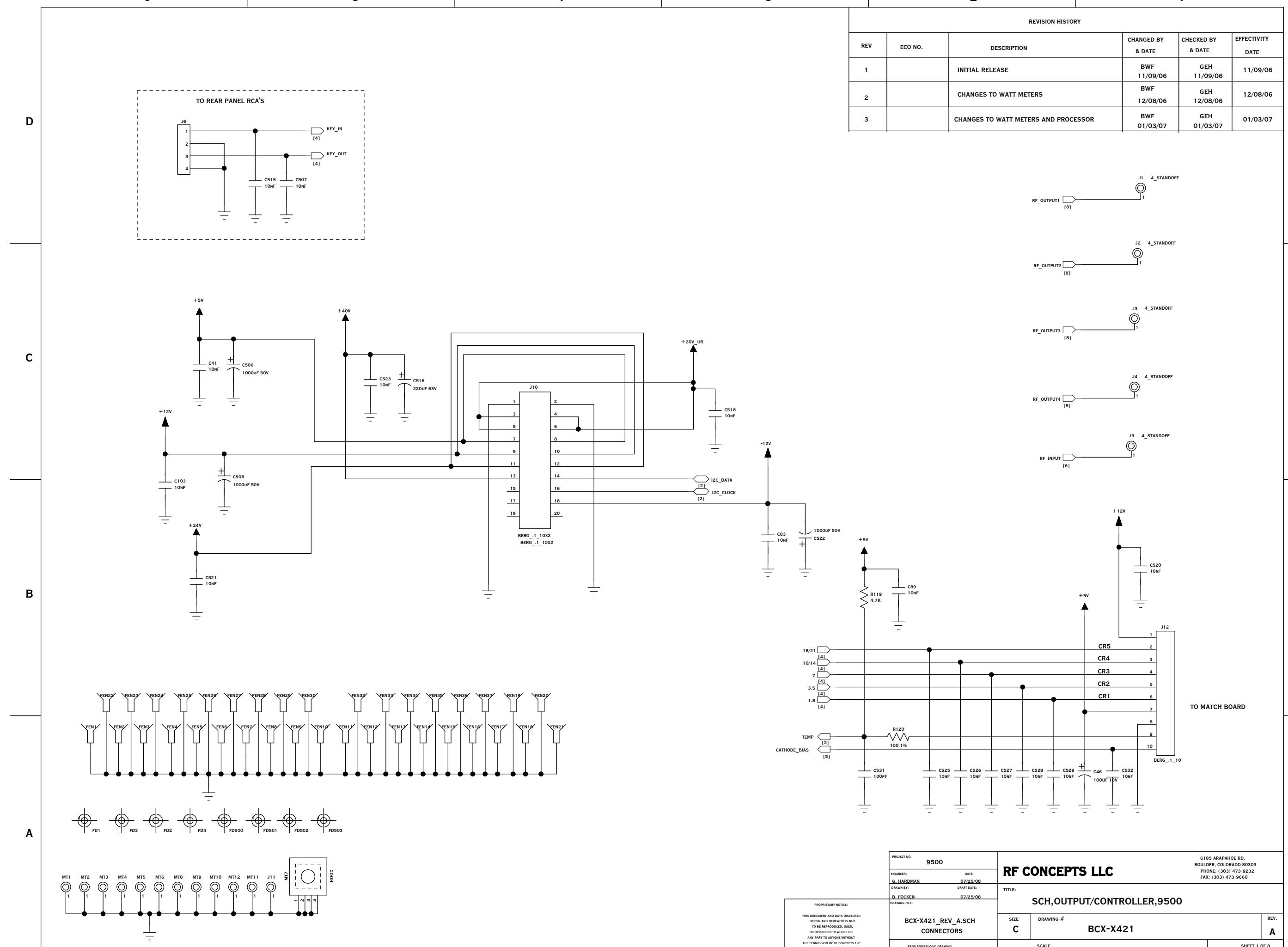


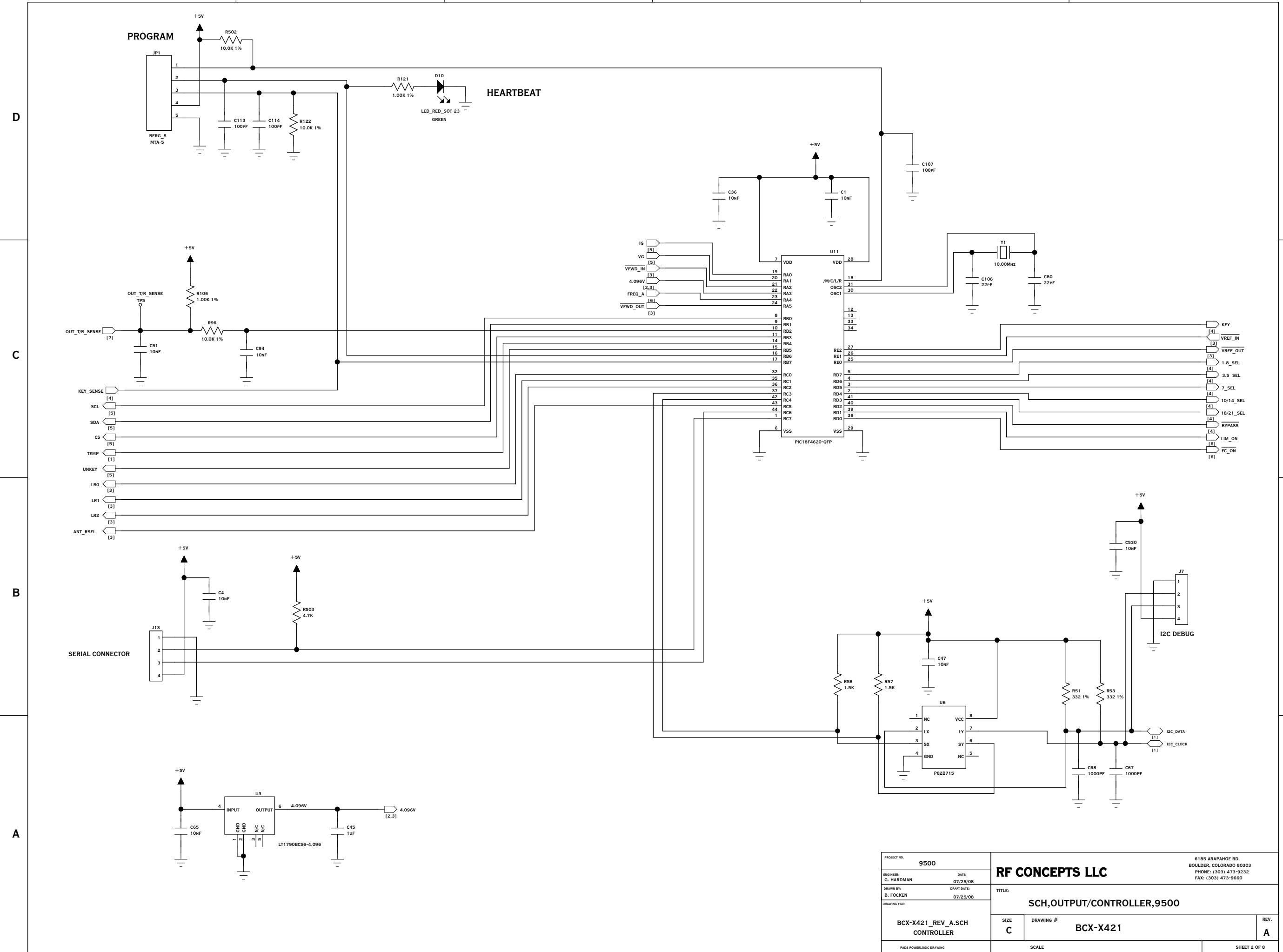
PROJECT NO.	9500	RF CONCEPTS LLC	6185 ARAPAHOE RD. BOULDER, COLORADO 80303 PHONE: (303) 473-9332 FAX: (303) 473-9660
ENGINEER:	G. HARDMAN	DATE:	11/13/07
DRAWN BY:	R. FOCKEN	DRAFT DATE:	11/13/07
DRAWING FILE:	BCX-X420_REV_A.SCH	TITLE:	SCH,9500 MAINS
SIZE	C	DRAWING #	BCX-X420 RELAYS
REV.	A		
PADS POWERLOGIC DRAWING		SCALE	
			SHEET 2 OF 4

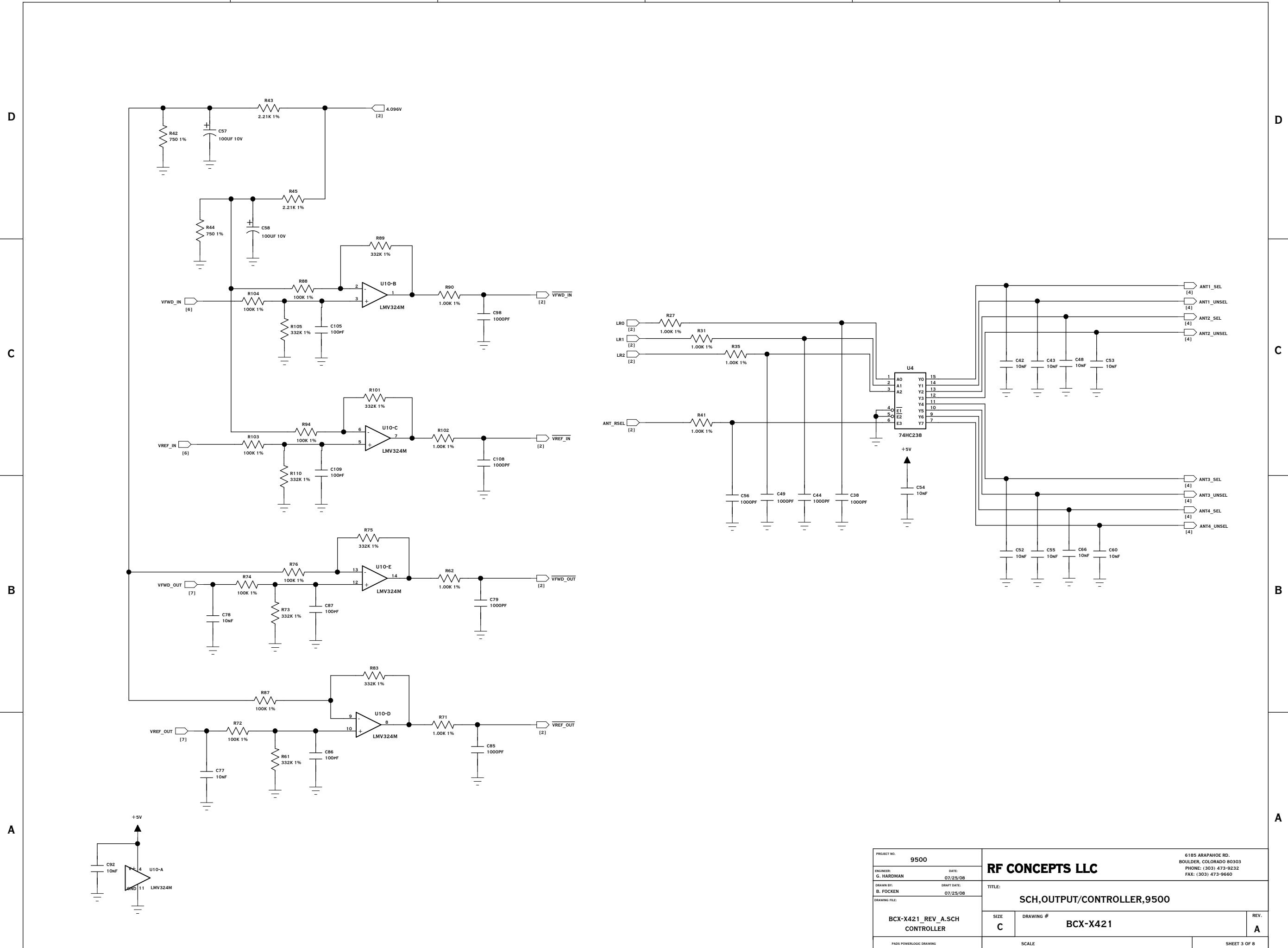


PROJECT NO.	9500	RF CONCEPTS LLC	
ENGINEER:		DATE:	6105 ARAPAHOE RD. BOULDER, COLORADO 80303 PHONE: (303) 473-9332 FAX: (303) 473-9660
DRAWN BY:		DRAFT DATE:	
R. FOCKEN		11/13/07	TITLE: SCH,9500 MAINS
DRAWING FILE:	BCX-X420_REV_A.SCH		SIZE C DRAWING # BCX-X420 MAINS SENSOR REV. A
PADS POWERLOGIC DRAWING	SCALE		SHEET 3 OF 4





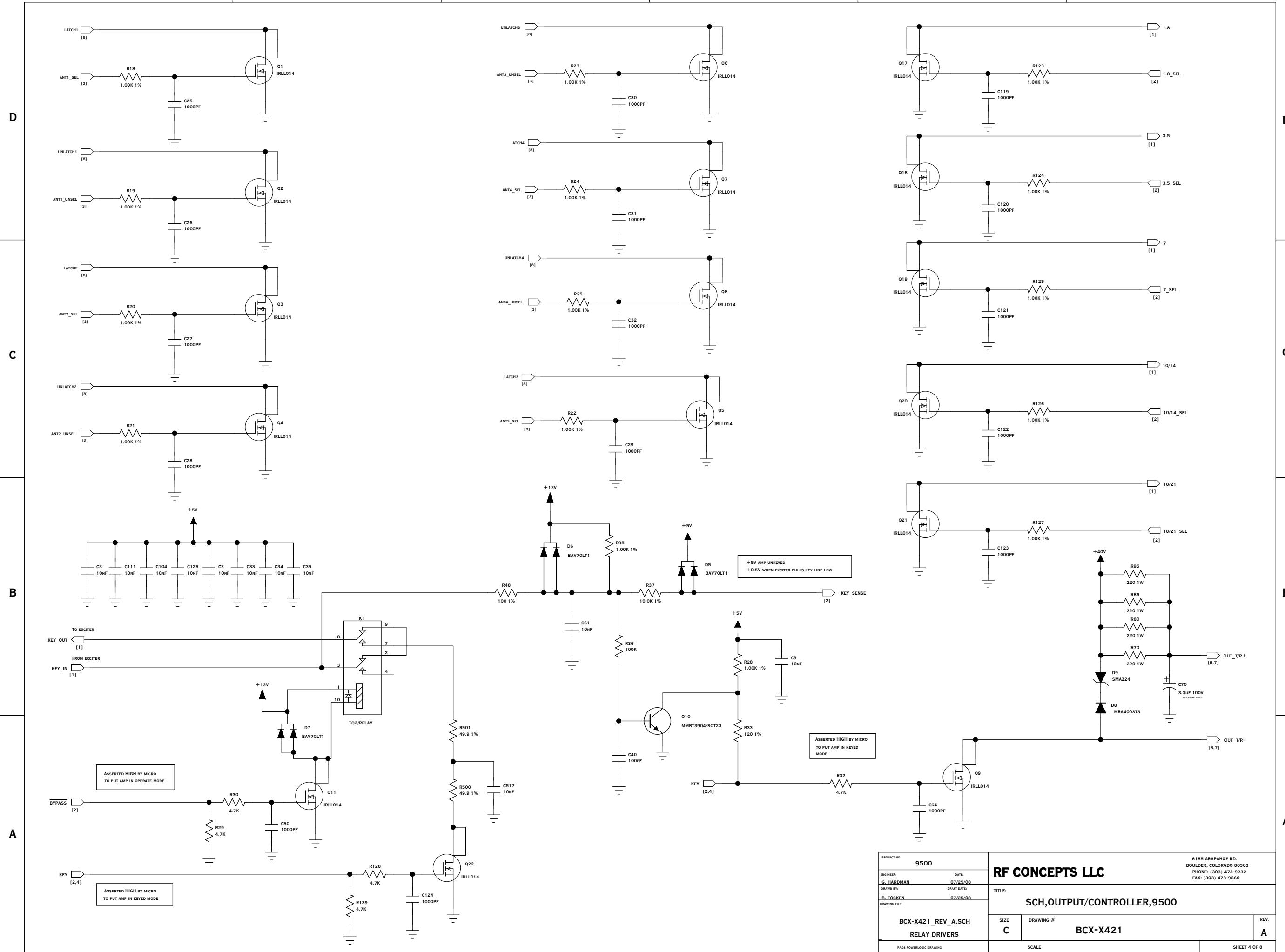




PROJECT NO.	9500	6185 ARAPAHOE RD. BOULDER, COLORADO 80303 PHONE: (303) 473-9322 FAX: (303) 473-9660
ENGINEER:	G. HARDMAN	
DATE:	07/25/08	
DRAWN BY:	B. FOCKEN	
DRAFT DATE:	07/25/08	
DRAWING FILE:	BCX-X421_REV_A.SCH CONTROLLER	
SIZE	DRAWING #	REV.
C	BCX-X421	A
PADS POWERLOGIC DRAWING	SCALE	SHEET 3 OF 8

RF CONCEPTS LLC

SCH,OUTPUT/CONTROLLER,9500



PROJECT NO.

9500

ENGINEER:

G. HARDMAN

DRAWN BY:

R. FOCKEN

DRAWING FILE:

BCX-X421_REV_A.SCH

RELAY DRIVERS

PADS POWERLOGIC DRAWING

SCALE

SHEET 4 OF 8

RF CONCEPTS LLCTITLE:
SCH,OUTPUT/CONTROLLER,9500

SIZE

C

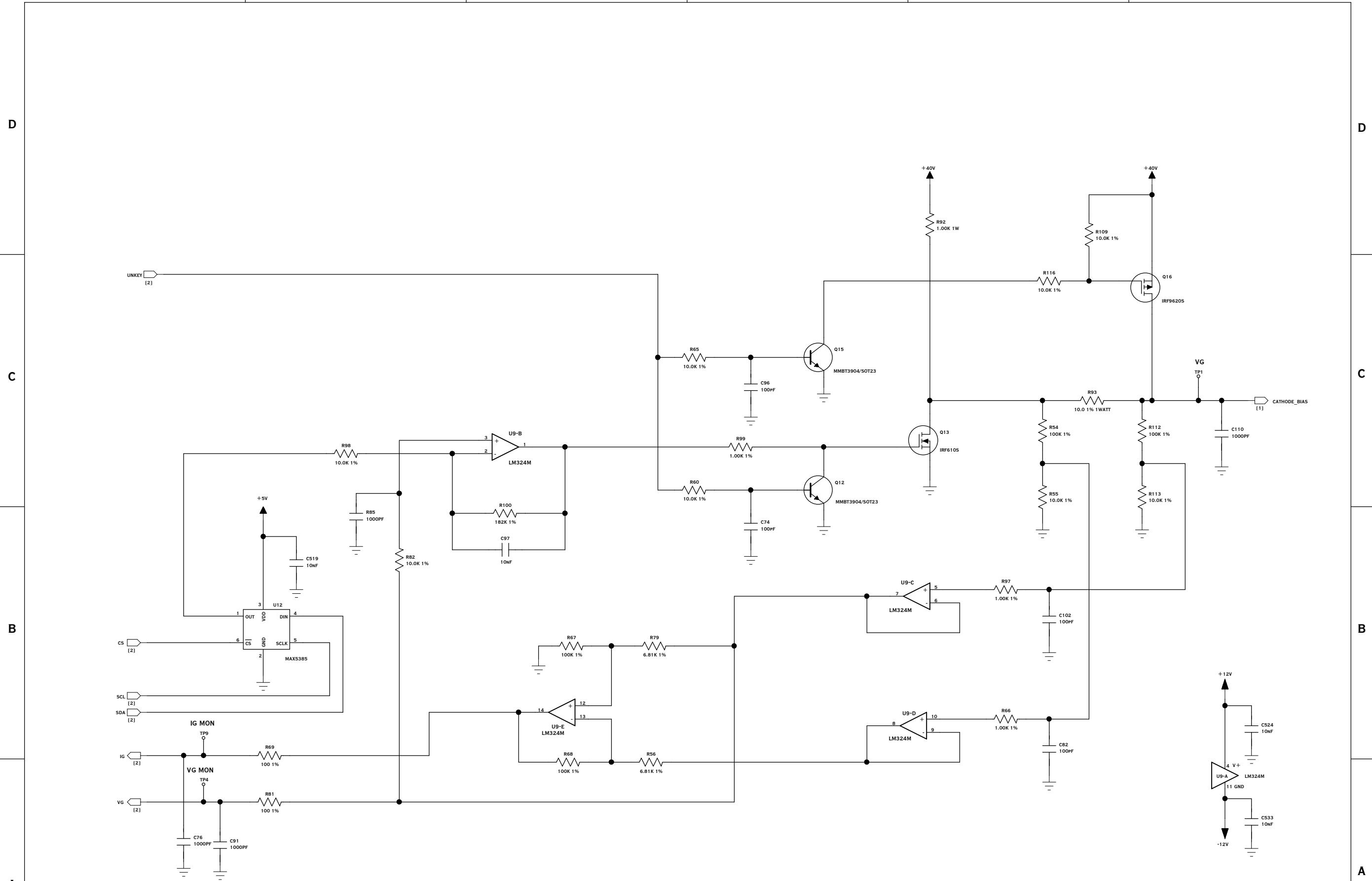
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BCX-X421

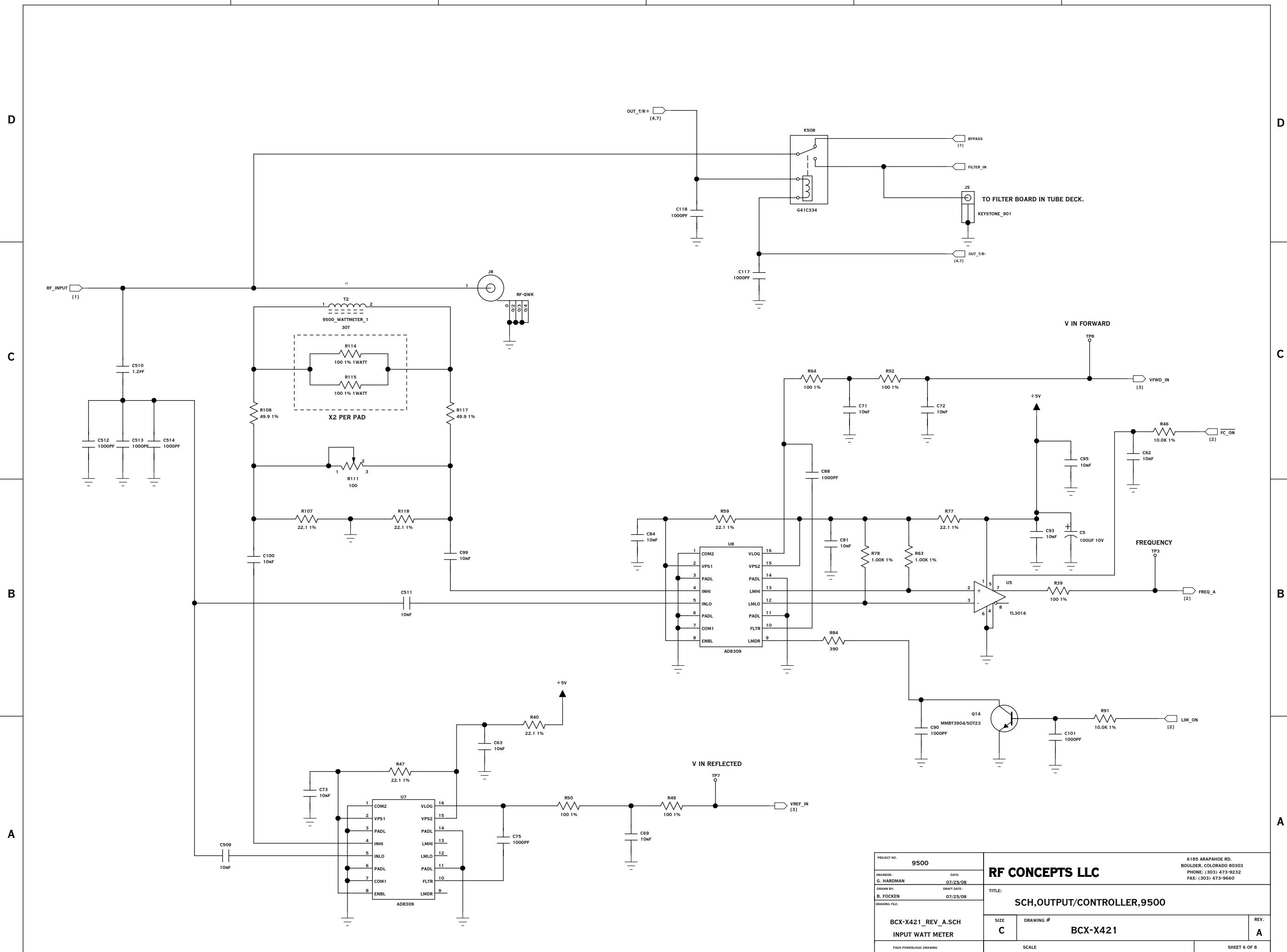
REV.

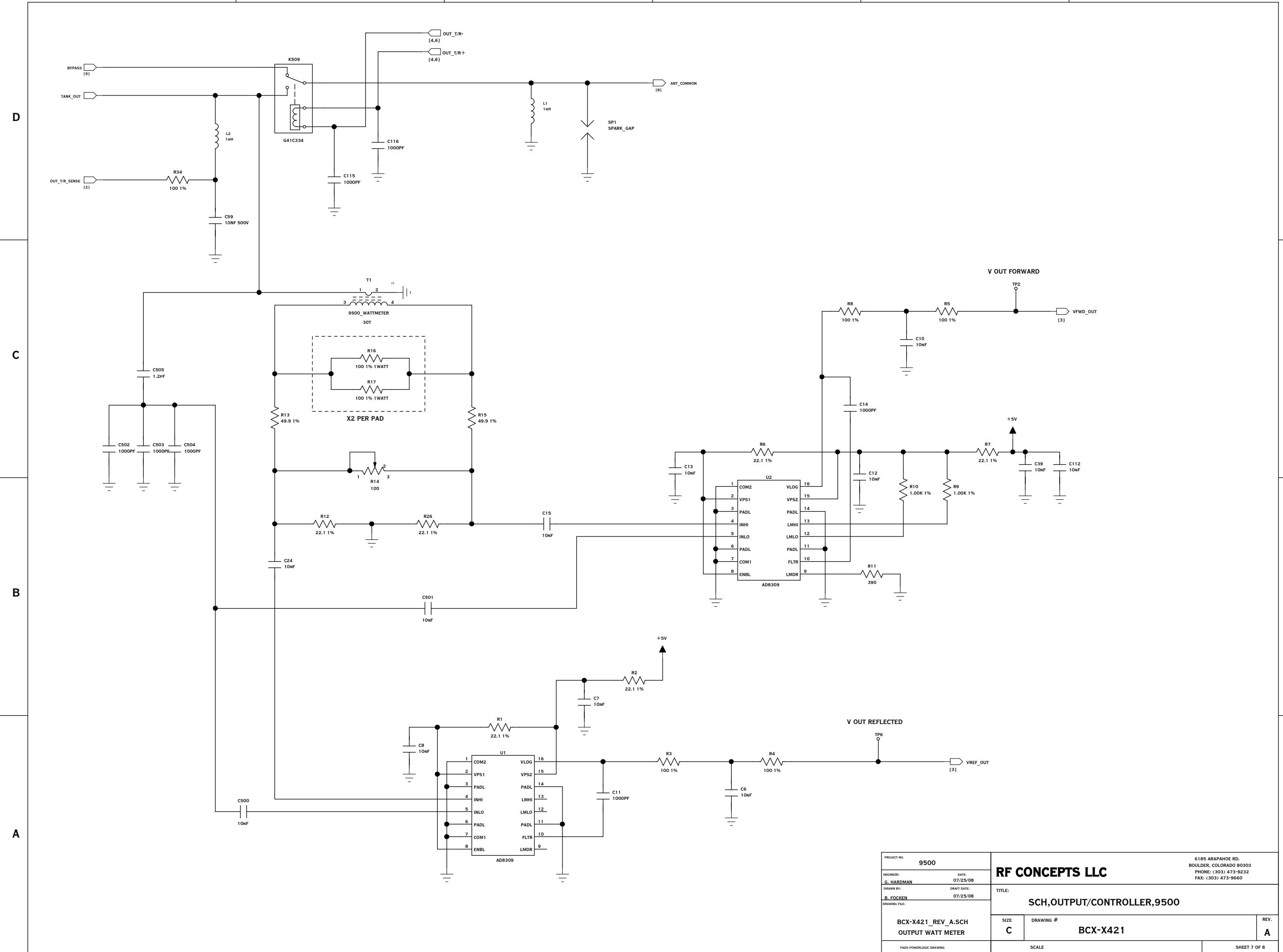
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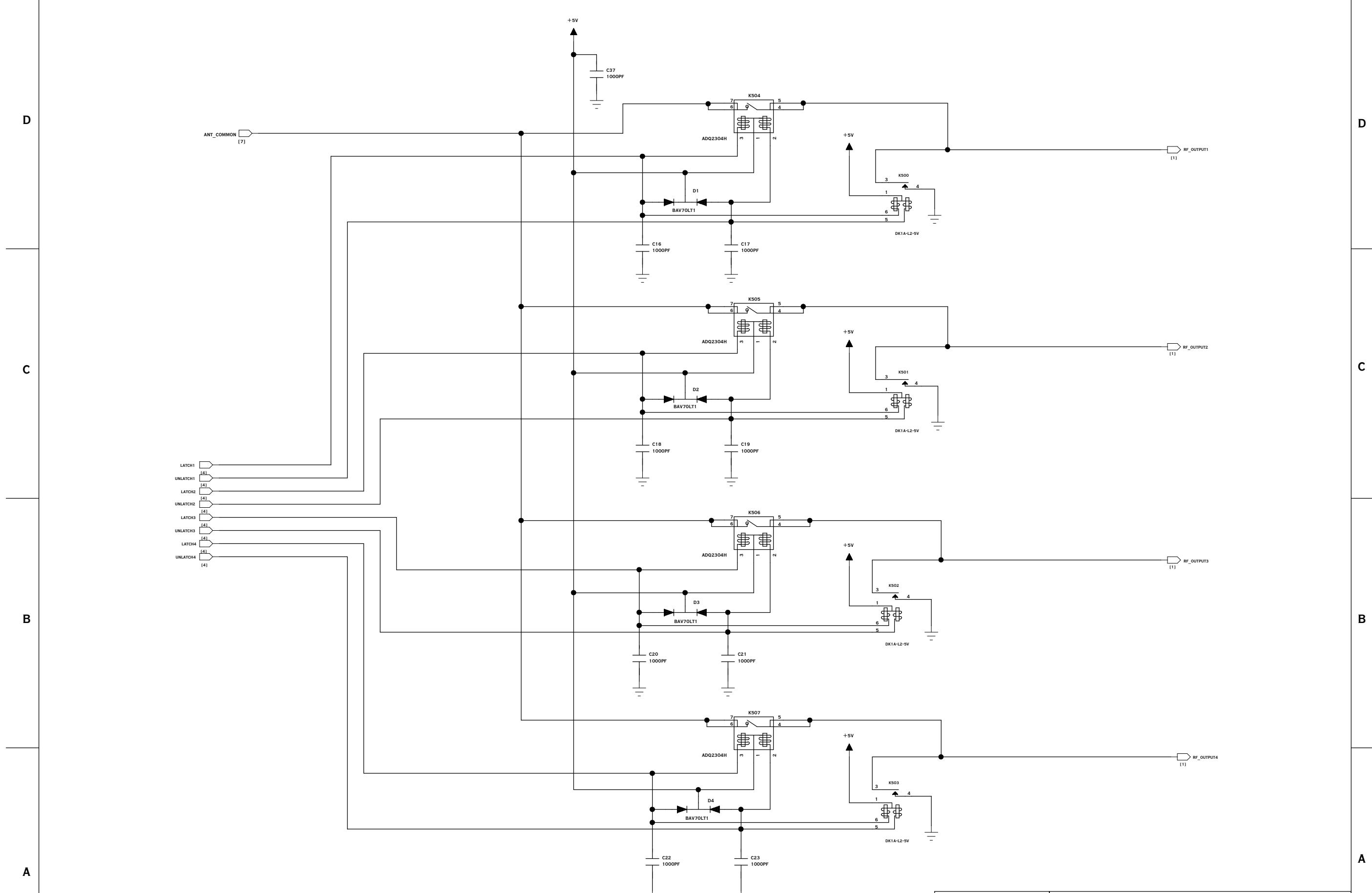
6185 ARAPAHOE RD.
BOULDER, COLORADO 80303
PHONE: (303) 473-9232
FAX: (303) 473-9660



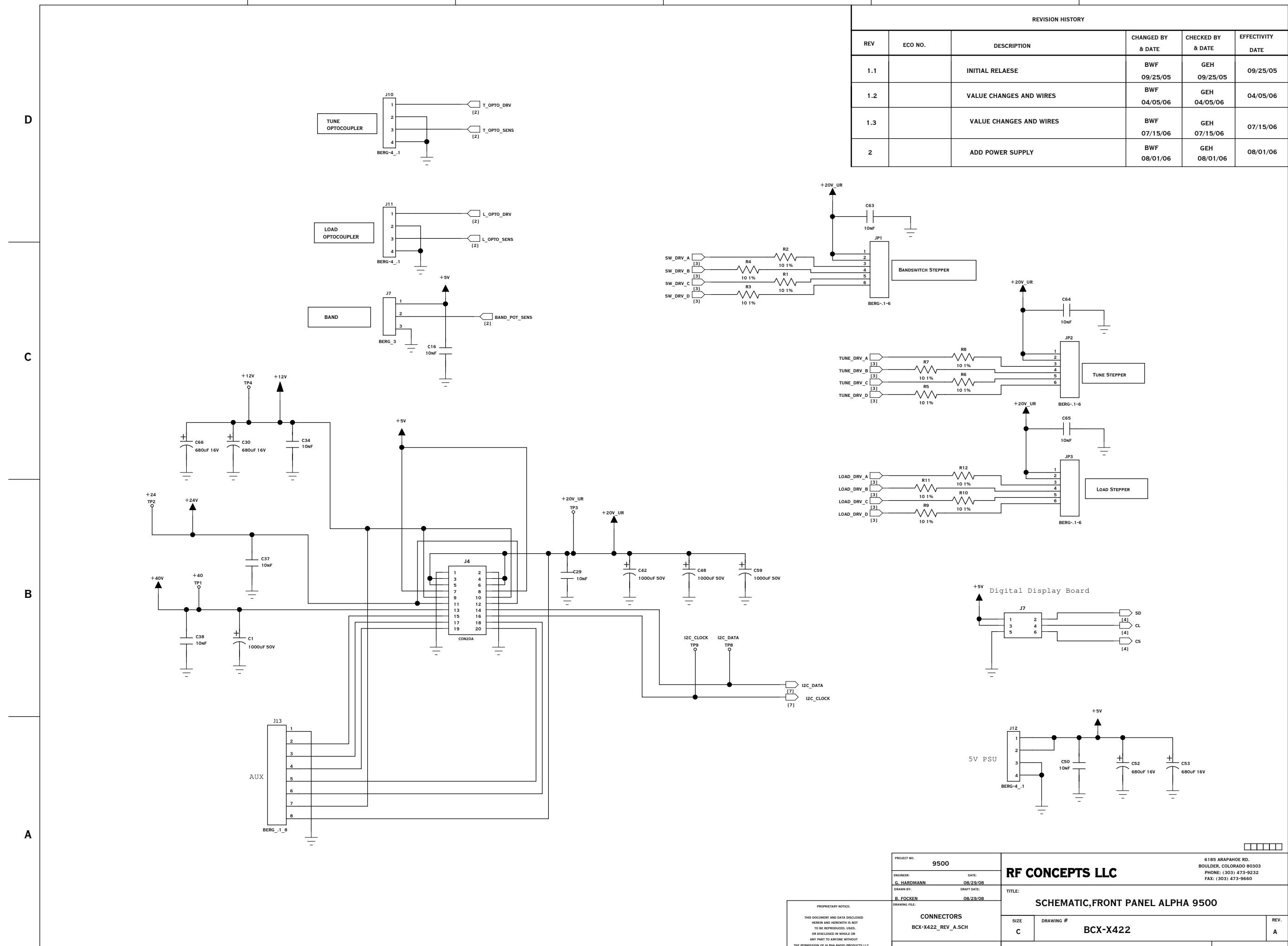
PROJECT NO.	9500	6185 ARAPAHOE RD. BOULDER, COLORADO 80303 PHONE: (303) 473-9332 FAX: (303) 473-9660
ENGINEER:	G. HARDMAN	DATE: 07/25/08
DRAWN BY:	B. FOCKEN	DRAFT DATE: 07/25/08
DRAWING FILE:	BCX-X421_REV_A.SCH	TITLE: SCH,OUTPUT/CONTROLLER,9500
SIZE	C	DRAWING #
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PADS POWERLOGIC DRAWING	SCALE	A
		SHEET 5 OF 8

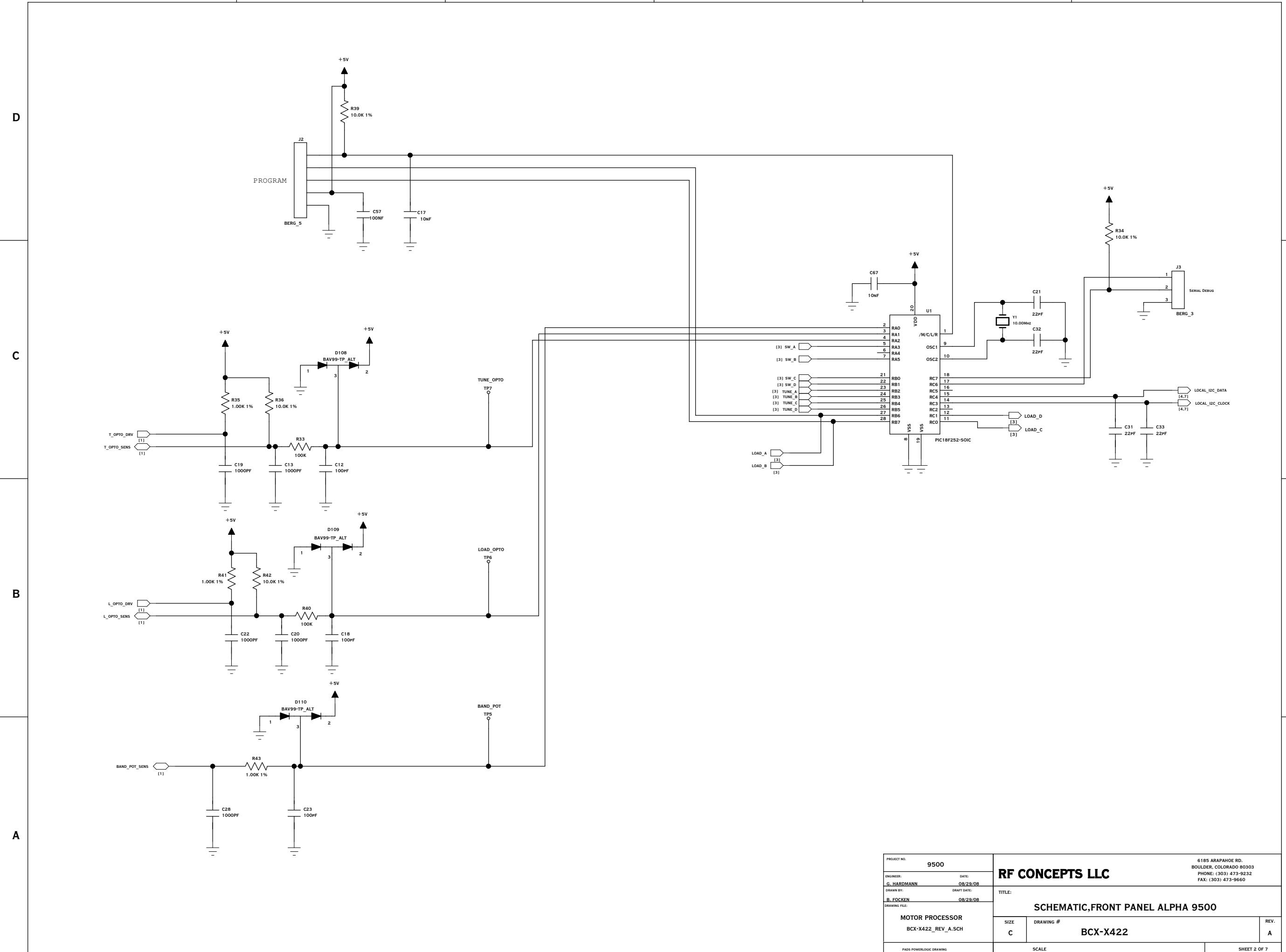






PROJECT NO. 9500	RF CONCEPTS LLC 6185 ARAPAHOE RD. BOULDER, COLORADO 80303 PHONE: (303) 473-9232 FAX: (303) 473-9660		
ENGINEER: G. HARDMAN	DATE: 07/25/08		
DRAWN BY: B. FOCKEN	DRAFT DATE: 07/25/08	TITLE: SCH,OUTPUT/CONTROLLER,9500	
DRAWING FILE: BCX-X421_REV_A.SCH ANTENNA RELAYS		SIZE C	DRAWING # BCX-X421
PADS POWERLOGIC DRAWING	SCALE		REV. A
			SHEET 8 OF 8





PROJECT NO.
9500
ENGINEER:
G. HARDMANN
DRAWN BY:
R. FOCKEN
DRAWING FILE:
MOTOR PROCESSOR
BCX-X422_REV_A.SCH

PADS POWERLOGIC DRAWING

SCALE

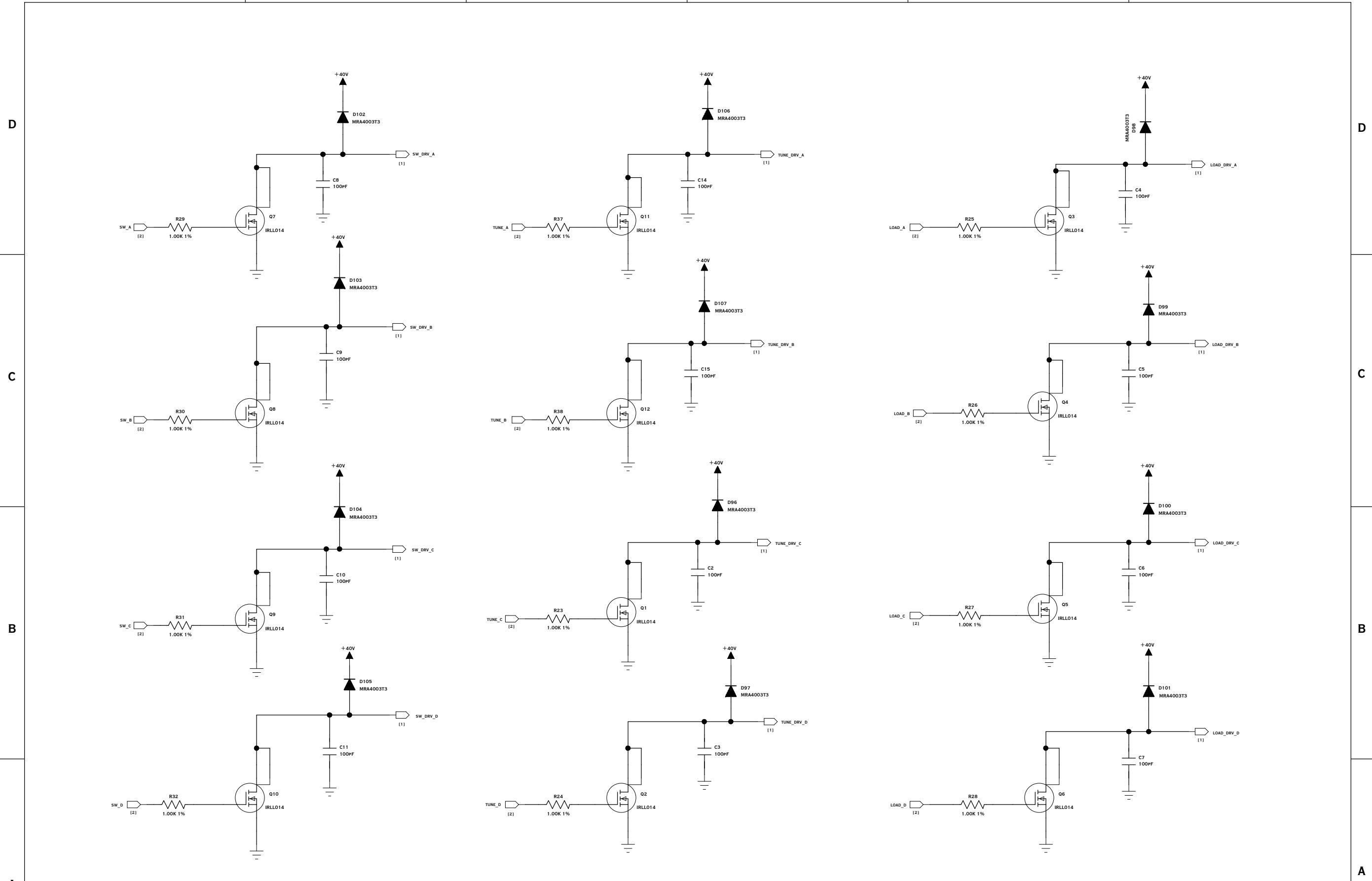
SHEET 2 OF 7

RF CONCEPTS LLC

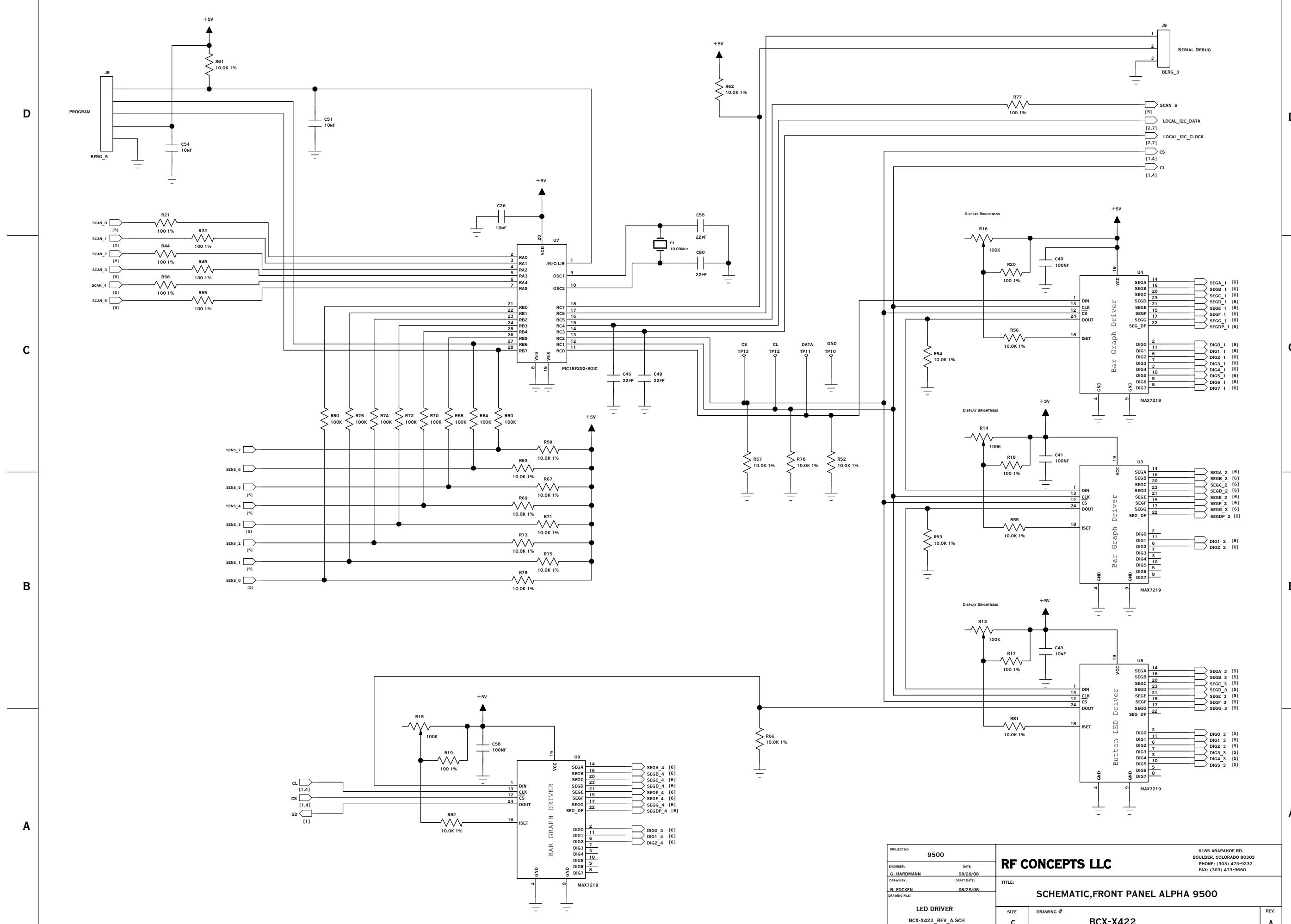
6185 ARAPAHOE RD.
BOULDER, COLORADO 80303
PHONE: (303) 473-9232
FAX: (303) 473-9660

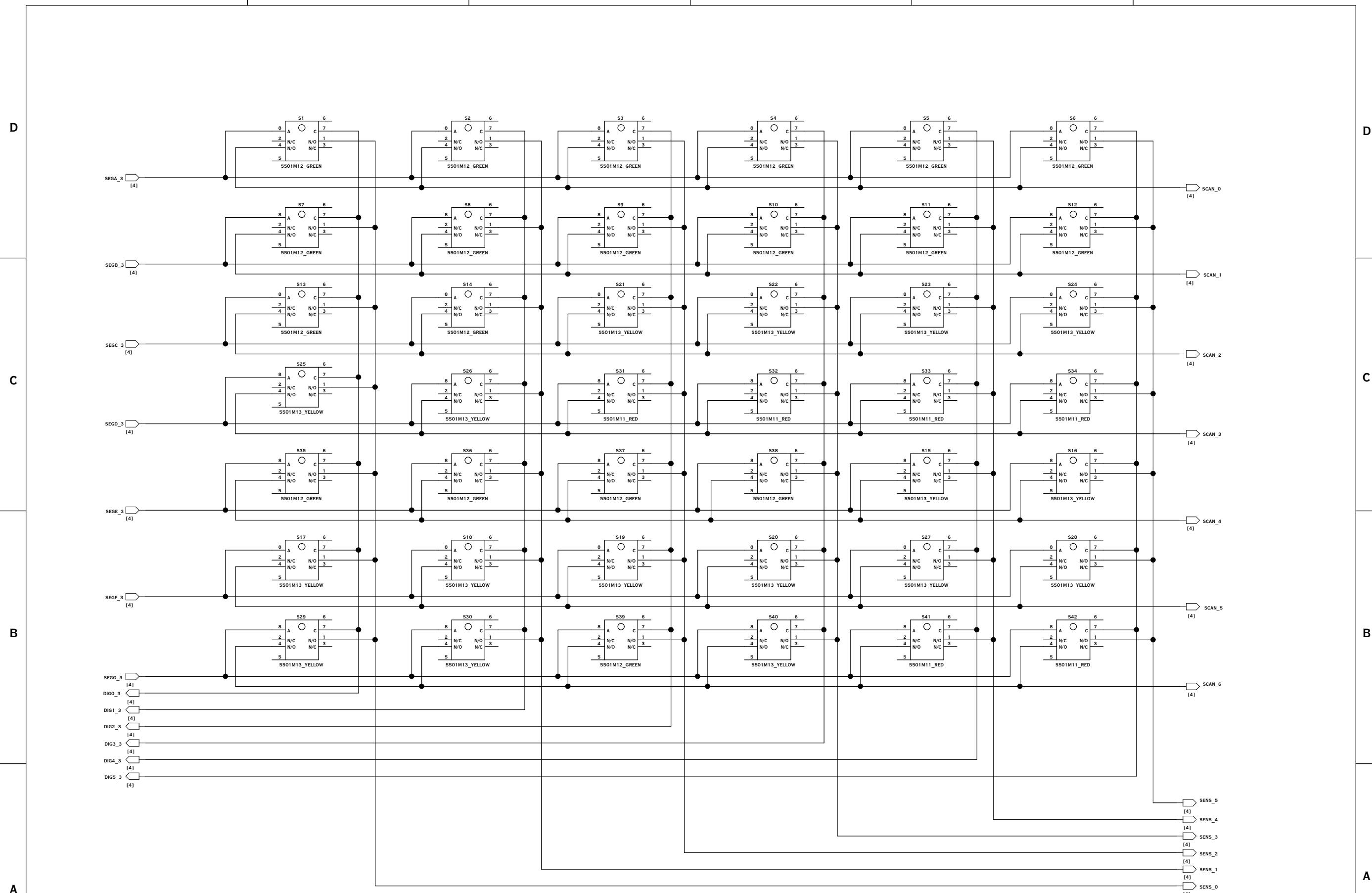
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SCHEMATIC, FRONT PANEL ALPHA 9500

SIZE C DRAWING # BCX-X422 REV. A

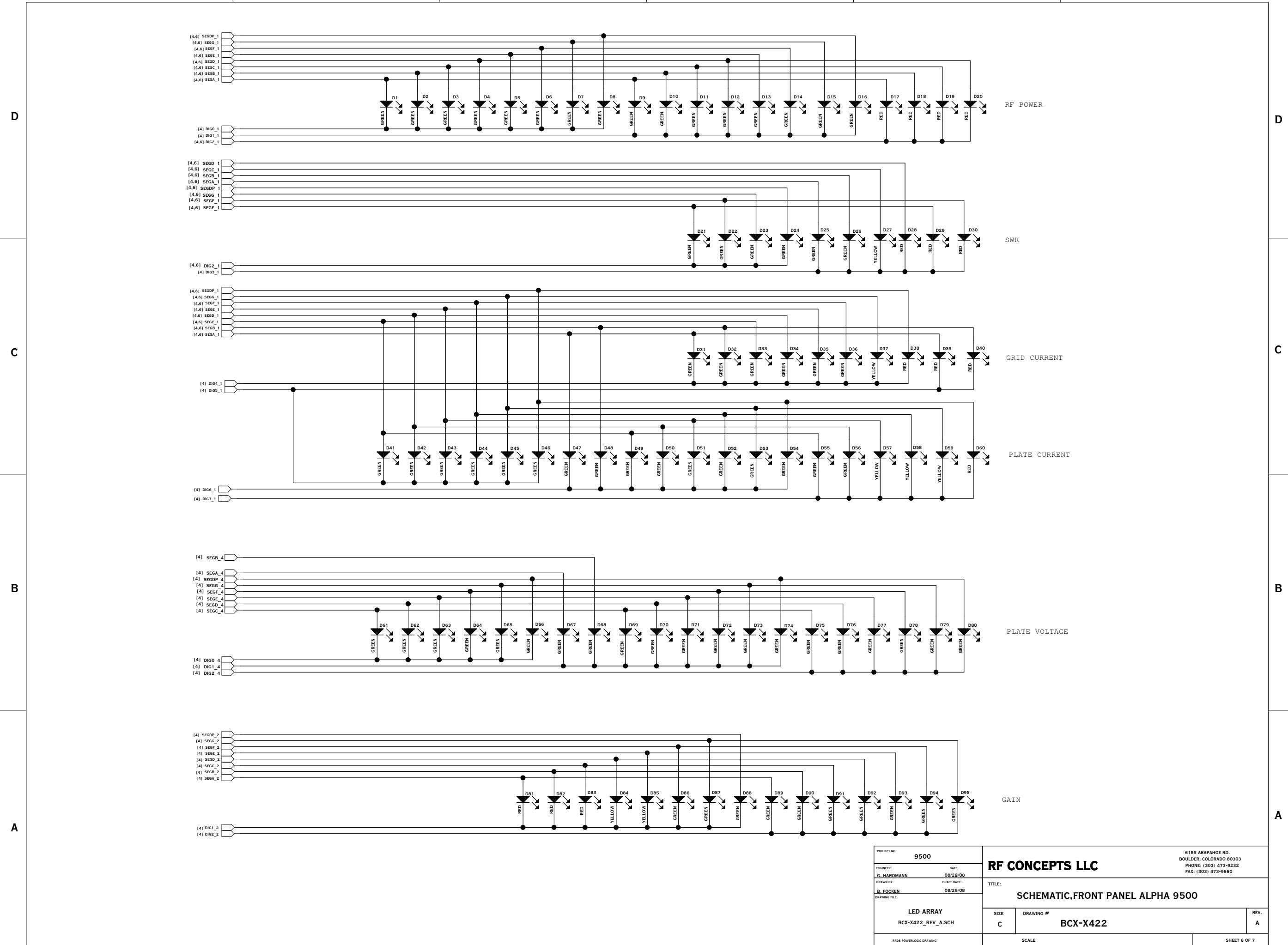


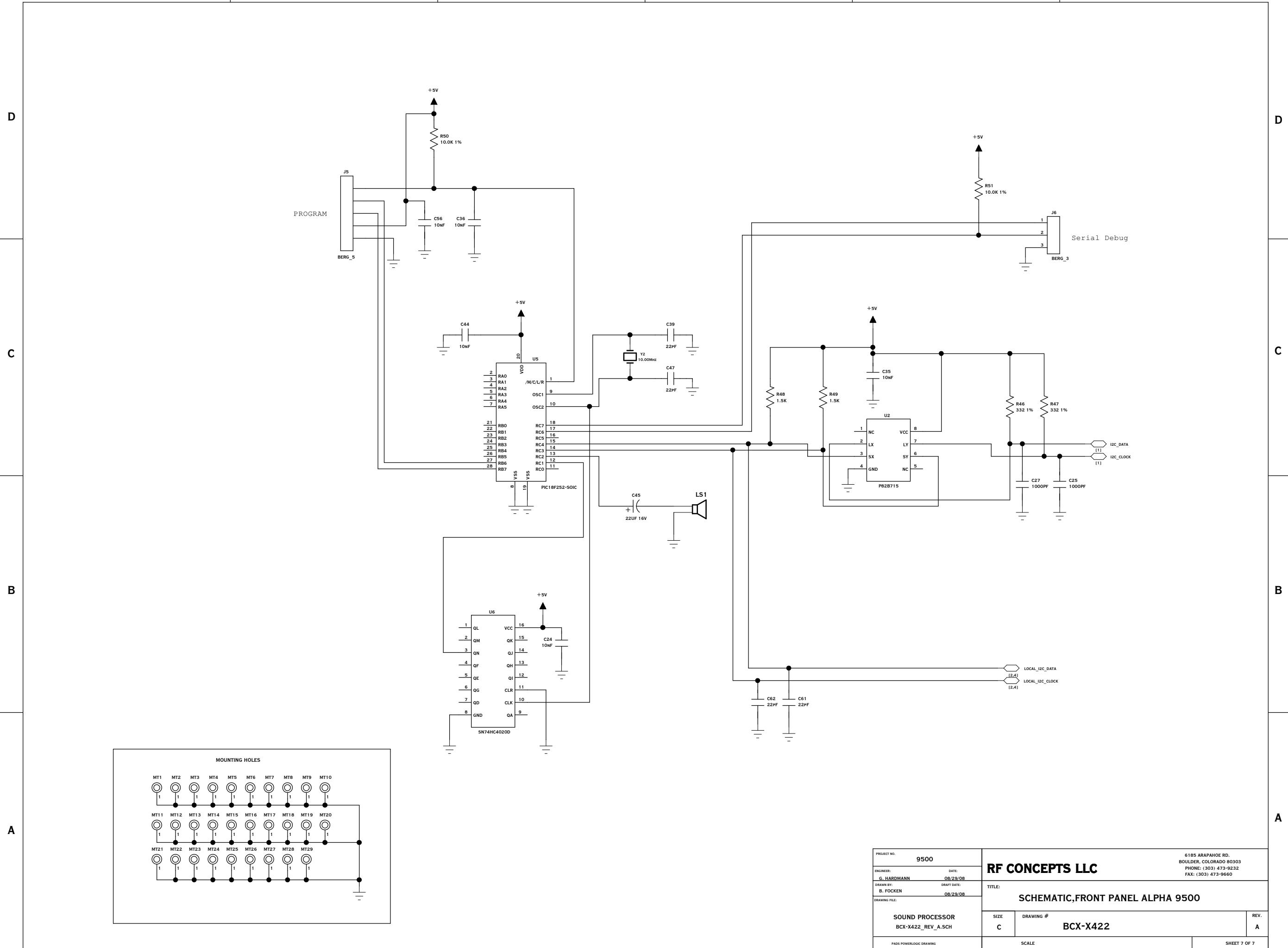
PROJECT NO.	9500	RF CONCEPTS LLC	
ENGINEER:		DATE:	
G. HARDMANN		08/29/08	
DRAWN BY:			
R. FOCKEN		DRAFT DATE:	
DRAWING FILE:			
MOTOR DRIVERS BCX-X422_REV_A.SCH			
SIZE	DRAWING #	REV.	
C	BCX-X422	A	
PADS POWERLOGIC DRAWING		SCALE	
			SHEET 3 OF 7





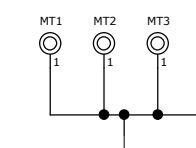
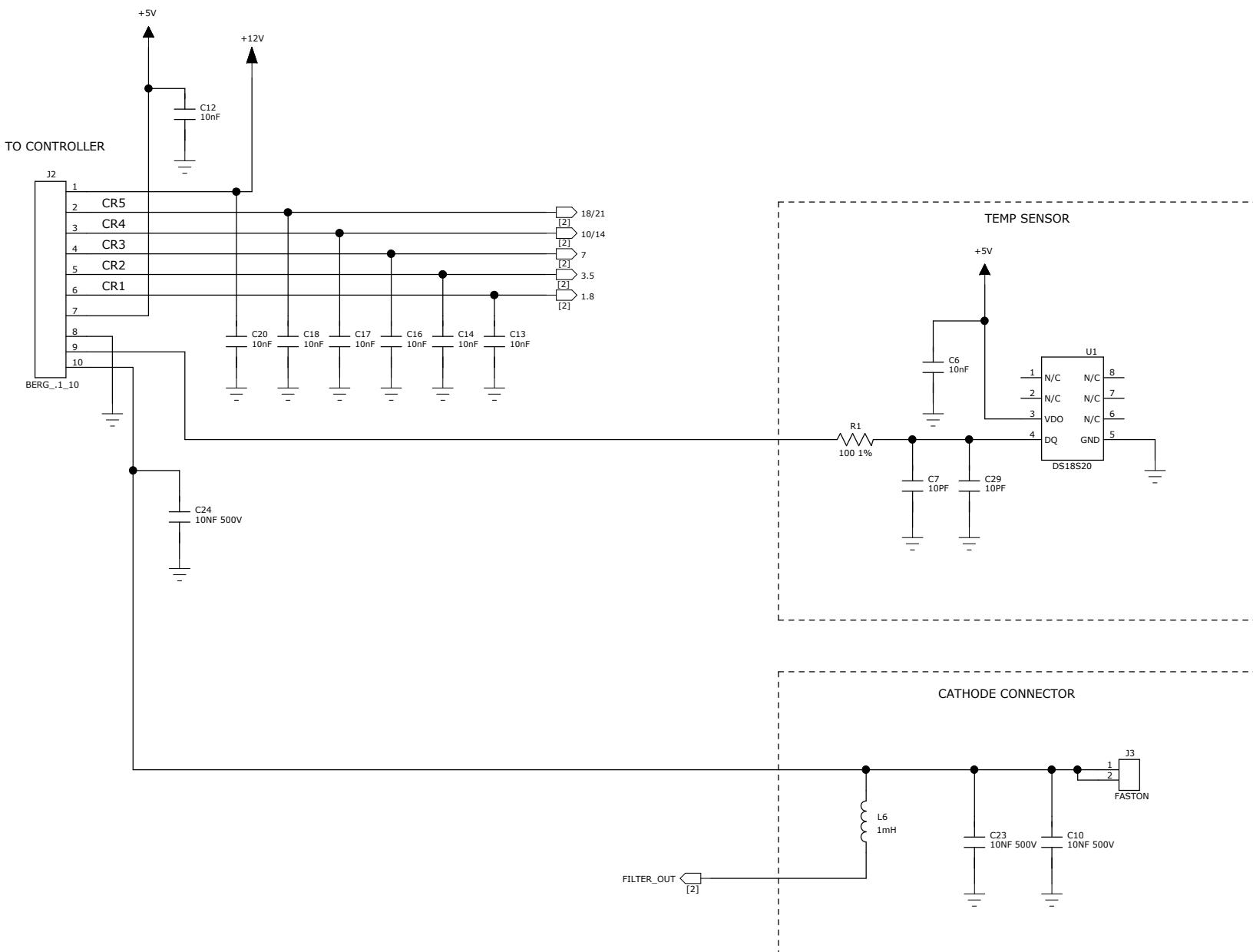
PROJECT NO.	9500	6185 ARAPAHOE RD. BOULDER, COLORADO 80303 PHONE: (303) 473-9232 FAX: (303) 473-9660
ENGINEER:	DATE: G. HARDMANN 08/29/08	
DRAWN BY:	DRAWN DATE: R. FOCKEN 08/29/08	
DRAWING FILE:	TITLE: SWITCHES BCX-X422_REV_A.SCH	
PADS POWERLOGIC DRAWING	SIZE C	DRAWING # BCX-X422
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	SCALE	
		SHEET 5 OF 7



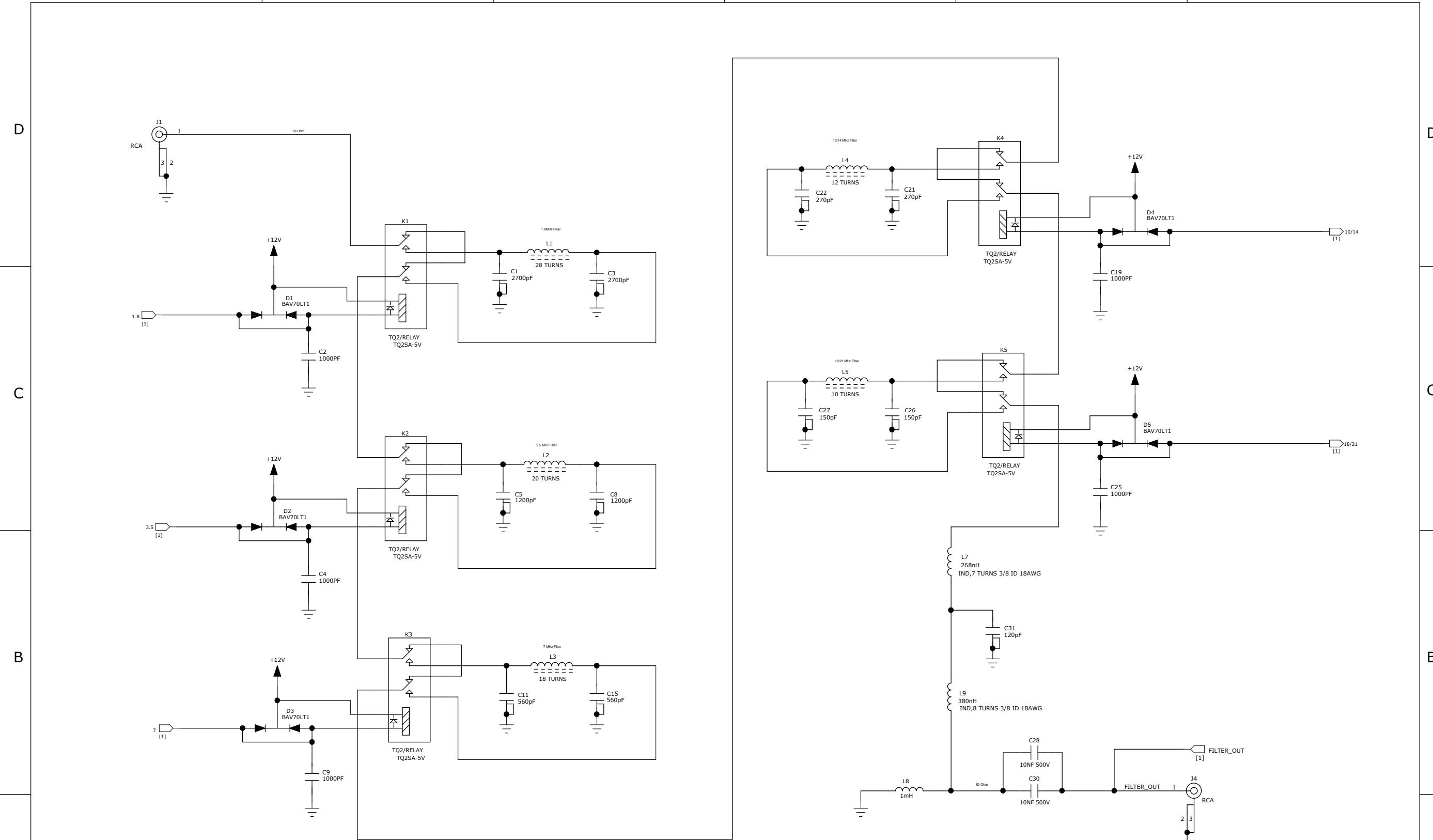


REVISION HISTORY

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1		INITIAL RELEASE	BWF 10/07/06	GEH 10/07/06	10/07/06
2		ADD FAST ON AND RELAY CONNECTIONS.	BWF 11/09/06	GEH 11/09/06	11/09/06
2.1		ADD RCA CONNECTORS	BWF 11/09/06	GEH 11/09/06	11/09/06
3		CONNECT RELAYS TO 12V	BWF 12/01/06	GEH 12/01/06	12/01/06



PROJECT NO.	9500		RF CONCEPTS LLC <small>6185 ARAPAHOE RD. BOULDER, COLORADO 80303 PHONE: (303) 473-9232 FAX: (303) 473-9660</small>		
ENGINEER:	G. HARDMANN	DATE:			
DRAWN BY:	F B FOCKEN	DRAFT DATE:	12/01/06		TITLE: SCH, INPUT MATCH, 9500
DRAWING FILE:			BCX-X430_REV_3.SCH		
			SIZE	DRAWING #	REV.
			C	BCX-X430	3.0
PADS POWERLOGIC DRAWING			SCALE		SHEET 1 OF 2
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PROJECT NO.	9500	RF CONCEPTS LLC	
ENGINEER:	G. HARDMAN	DATE:	11/20/06
DRAWN BY:	B. FOCKEN	DRAFT DATE:	11/20/06
DRAWING FILE:	BCX-X430_REV_3.SCH		
TITLE:		SCH, INPUT MATCH, 9500	
SIZE	C	DRAWING #	BCX-X430
PADS POWERLOGIC DRAWING	SCALE		REV. 3
SHEET 2 OF 2			

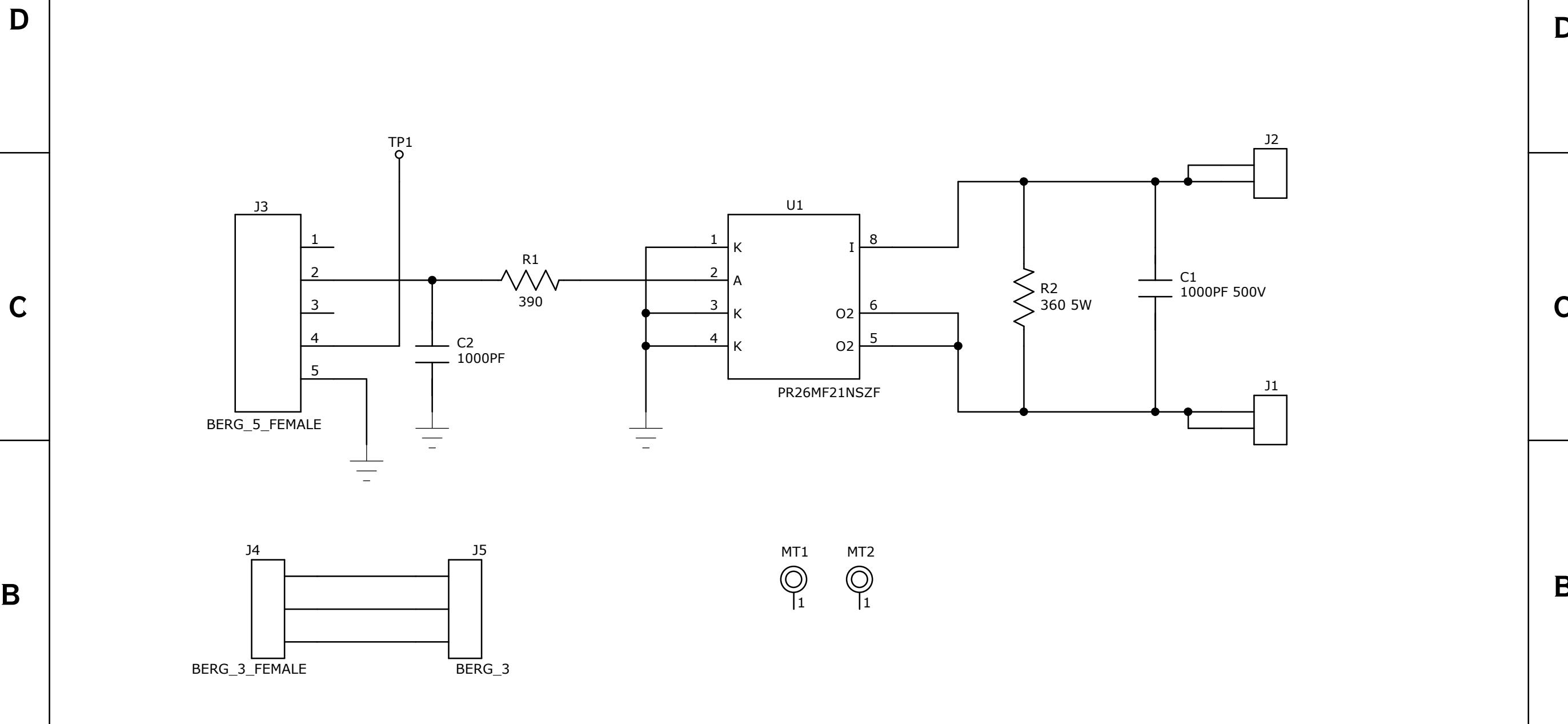
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REVISION HISTORY					
REV	ECO NO.	DESCRIPTION	CHANGED BY & DATE	CHECKED BY & DATE	EFFECTIVITY DATE



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: .XX +/- 0.01 .XXX +/- 0.001	PROJECT NO. 9500	6185 ARAPAHOE RD. BOULDER, COLORADO 80303 PHONE: (303) 473-9232 FAX: (303) 473-9660		
ANGLE: 0.5	ENGINEER: G. HARDMAN DATE: 05/20/08	RF CONCEPTS LLC		
.XX +/- 0.01 .XXX +/- 0.001	DRAWN BY: B. FOCKEN DRAFT DATE: 05/20/08			
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