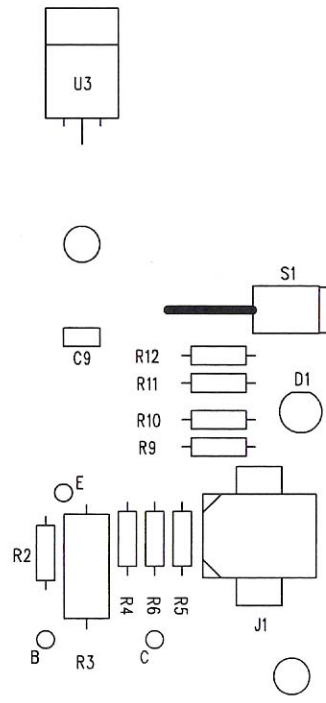
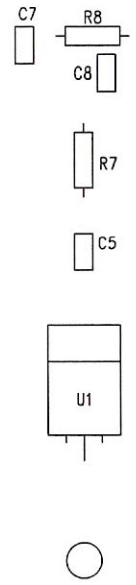
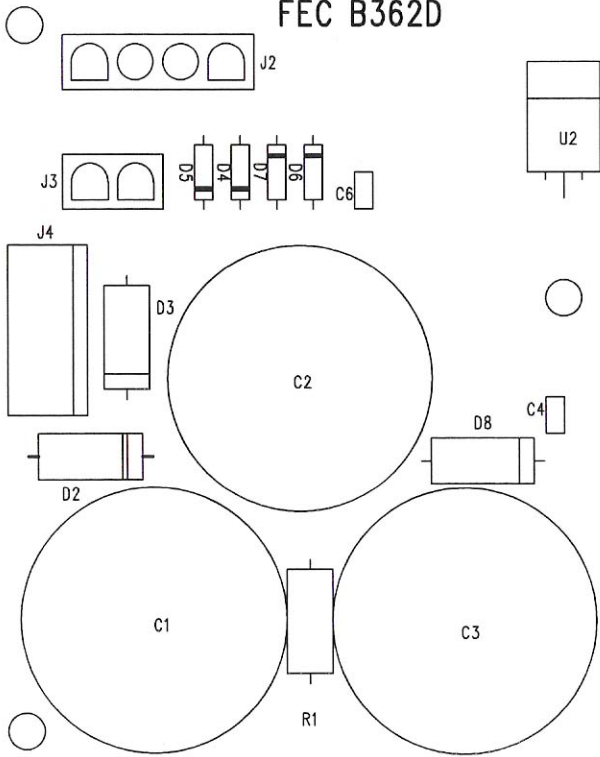
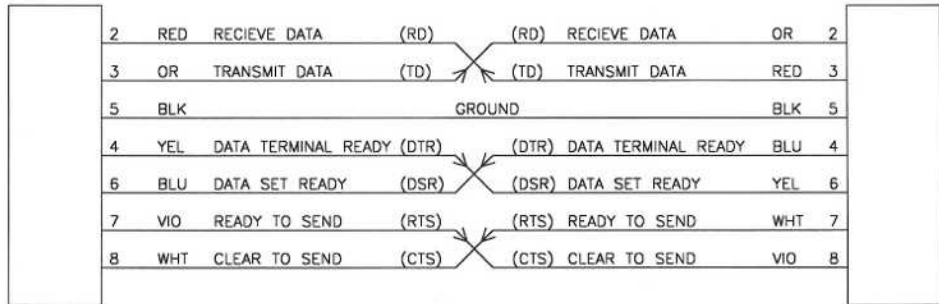


FEC B362D





9 PIN FEMALE "D" CONN

9 PIN FEMALE "D" CONN

FEC FROTHINGHAM ELECTRONICS CORP
C211 NULL MODEM CABLE

DWG NO. WC211
REVISION 1

SHEET 1 OF 1
DATE 04-18-02

37 PIN MALE "D"
TO FEC STATION INTERFACE

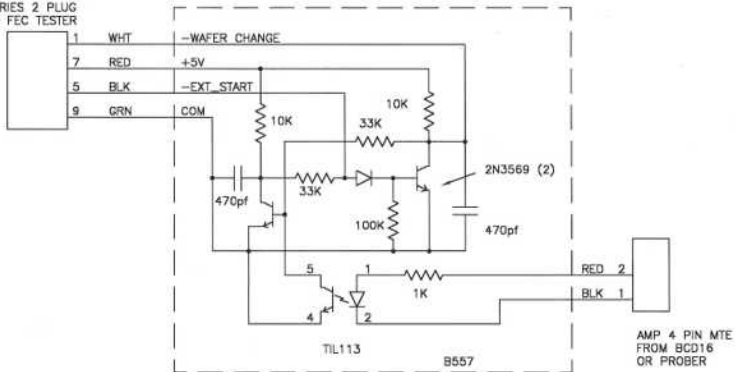
3	COM	GRN
4	+12V	OR/GRN
2	START	BLK/RED/WHT
1	+5V	GRN/WHT
20	EOT	RED/WHT
21	AUX OUT 1	GRN/BLK
22	AUX OUT 2	WHT/BLK/RED
23	AUX OUT 3	RED/BLK/WHT
24	AUX OUT 4	GRN/WHT/BLK
13	BIN 1	RED
14	BIN 2	RED/BLK
15	BIN 3	RED/GRN
16	BIN 4	WHT
17	BIN 5	WHT/BLK
18	BIN 6	WHT/RED
19	BIN 7	BLU
37	BIN 8	BLU/BLK
36	BIN 9	BLU/RED
35	BIN 10	BLU/WHT
34	BIN 11	BLK
33	BIN 12	BLK/WHT
32	BIN 13	BLK/RED
31	BIN 14	OR
30	BIN 15	OR/BLK
29	BIN 16	OR/RED

FEC FROTHINGHAM ELECTRONICS CORP
CABLE SCHEMATIC FOR C183

DWG NO. WC183
REVISION 1

SHEET 1 OF 1
DATE 08-13-99

9 PIN AMP CPC
 SERIES 2 PLUG
 TO FEC TESTER



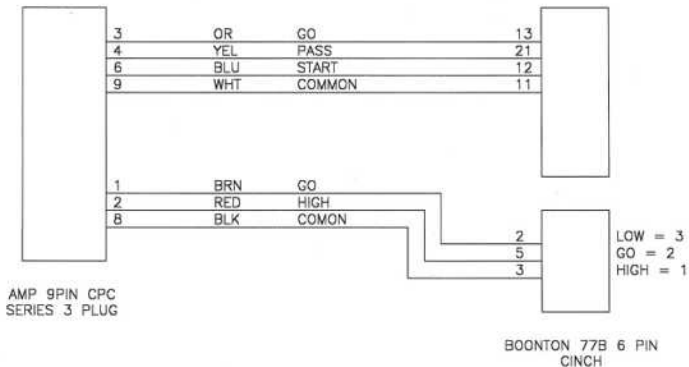
FEC FROTHINGHAM ELECTRONICS CORP
 C182 WAFER CHANGE SENSOR

DWG NO. WC182
 REVISION 1.01

SHEET 1 OF 1
 DATE 05-30-02

FEC TESTER

TERADYNE QS901
37 PIN MALE "D"



FEC FROTHINGHAM ELECTRONICS CORP
C138 FEC INTERFACE CABLE

DWG NO. WC138
REVISION 1

SHEET 1 OF 1
DATE 01-18-93

37 PIN MALE "D"
TO FEC STATION INTERFACE

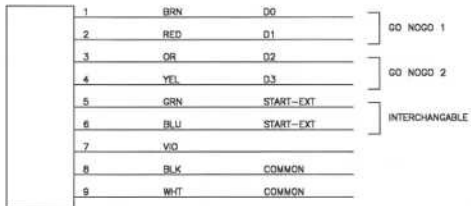
37 PIN FEMALE "D"

3	COM	GRN	3
4	+12V	OR/GRN	4
6		BLK/RED/WHT	6
12	START	GRN/WHT	12
20	EOT	RED/WHT	20
21	AUX OUT 1	GRN/BLK	21
22	AUX OUT 2	WHT/BLK/RED	22
23	AUX OUT 3	RED/BLK/WHT	23
24	AUX OUT 4	GRN/WHT/BLK	24
13	BIN 1	RED	13
14	BIN 2	RED/BLK	14
15	BIN 3	RED/GRN	15
16	BIN 4	WHT	16
17	BIN 5	WHT/BLK	17
18	BIN 6	WHT/RED	18
19	BIN 7	BLU	19
37	BIN 8	BLU/BLK	37
36	BIN 9	BLU/RED	36
35	BIN 10	BLU/WHT	35
34	BIN 11	BLK	34
33	BIN 12	BLK/WHT	33
32	BIN 13	BLK/RED	32
31	BIN 14	OR	31
30	BIN 15	OR/BLK	30
29	BIN 16	OR/RED	29

FEC FROTHINGHAM ELECTRONICS CORP
C137 STATION INTERFACE CABLE

DWG NO. WC137
REVISION 2

SHEET 1 OF 1
DATE 05-12-97



AMP CPC SERIES 2
9 PIN ROUND PLUG

FEC FROTHINGHAM ELECTRONICS CORP
C133

DWG NO. WC133
REVISION 1

SHEET 1 OF 1
DATE 12-20-93

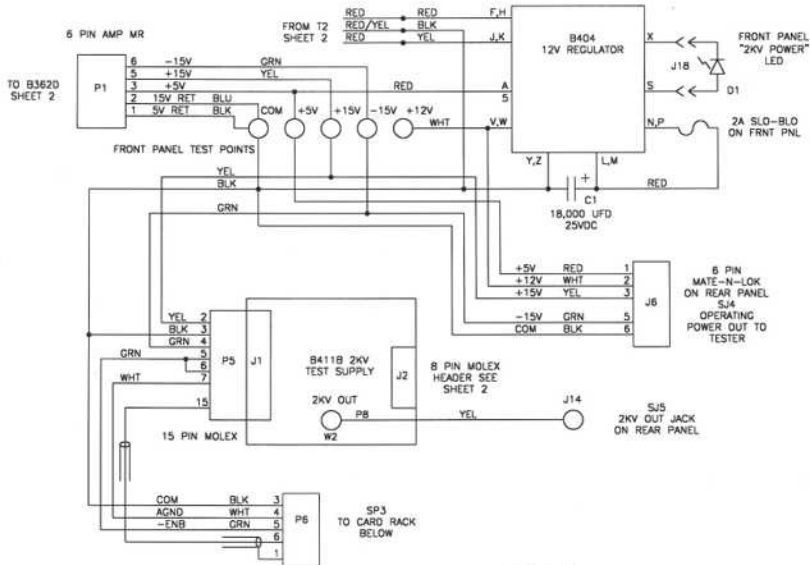
37 PIN MALE "D"
TO FEC STATION INTERFACE

3	COM	GRN
4	+12V	OR/GRN
6		BLK/RED/WHT
12	START	GRN/WHT
20	EOT	RED/WHT
21	AUX OUT 1	GRN/BLK
22	AUX OUT 2	WHT/BLK/RED
23	AUX OUT 3	RED/BLK/WHT
24	AUX OUT 4	GRN/WHT/BLK
13	BIN 1	RED
14	BIN 2	RED/BLK
15	BIN 3	RED/GRN
16	BIN 4	WHT
17	BIN 5	WHT/BLK
18	BIN 6	WHT/RED
19	BIN 7	BLU
37	BIN 8	BLU/BLK
36	BIN 9	BLU/RED
35	BIN 10	BLU/WHT
34	BIN 11	BLK
33	BIN 12	BLK/WHT
32	BIN 13	BLK/RED
31	BIN 14	OR
30	BIN 15	OR/BLK
29	BIN 16	OR/RED

FEC FROTHINGHAM ELECTRONICS CORP
C114

DWG NO. WC114
REVISION 2

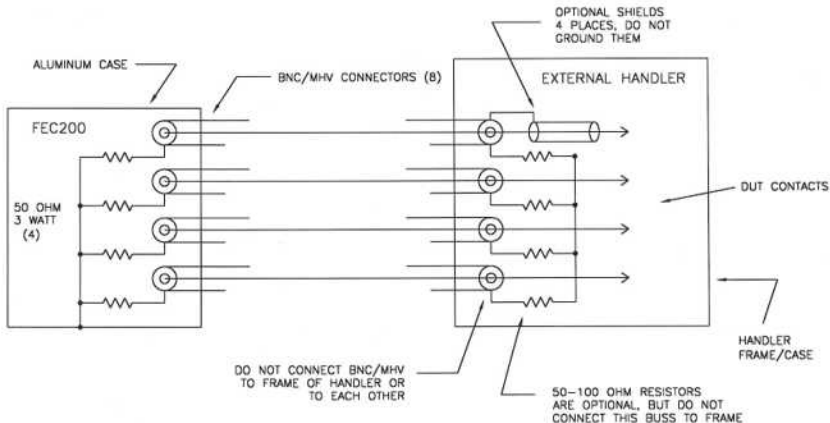
SHEET 1 OF 1
DATE 04-03-97



FEC FROTHINGHAM ELECTRONICS CORP
 FEC200 OPERATING SUPPLY WIRING PN. PS-101

DWG NO. W451
 REVISION 5.02

SHEET 1 OF 2
 DATE 06-20-01



IDEAL CONNECTION OF HANDLER TO FEC200 TESTER
FOR BEST NOISE IMMUNITY AND ACCURACY

FEC FROTHINGHAM ELECTRONICS CORP
FEC 200 TO EXTERNAL HANDLER

DWG NO. W425
REVISION 1

SHEET 2 OF 2
DATE 01-27-00

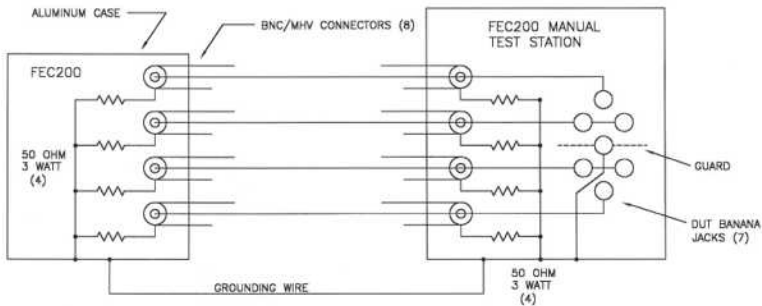


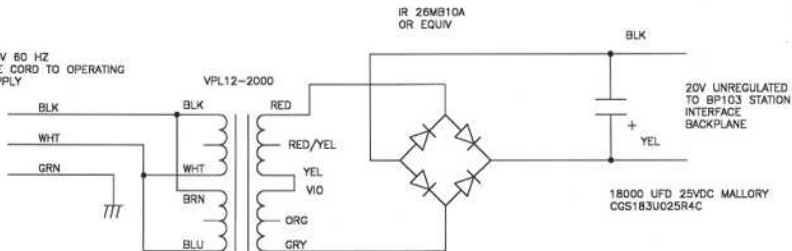
FIGURE 1
FEC200 TO FEC MANUAL TEST STATION

FEC FROTHINGHAM ELECTRONICS CORP
FEC 200 TO FEC MANUAL TEST STATION

DWG NO. W425
REVISION 1

SHEET 1 OF 2
DATE 01-27-00

115V 60 HZ
LINE CORD TO OPERATING
SUPPLY

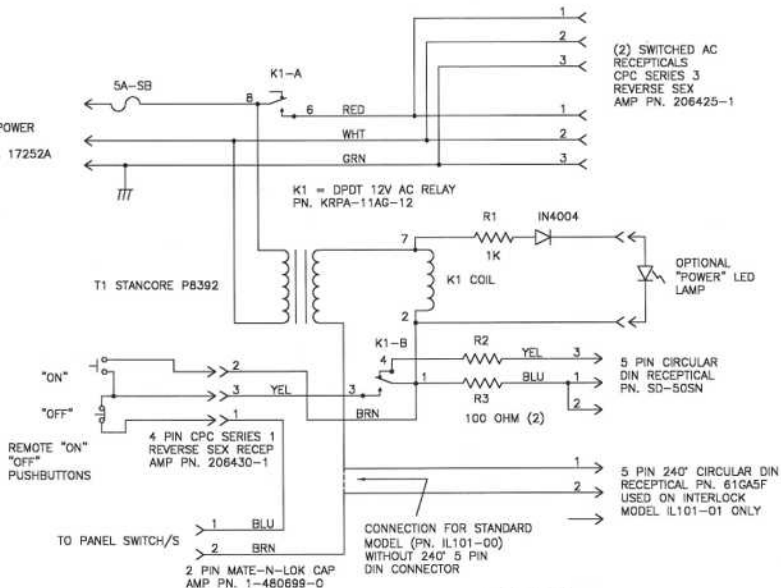


FEC FROTHINGHAM ELECTRONICS CORP
20V UNREGULATED SUPPLY PN. PS-305
FEC200 SERIES STATION INTERFACE SUPPLY

DWG NO. W493
REVISION 2

SHEET 1 OF 1
DATE 06-16-03

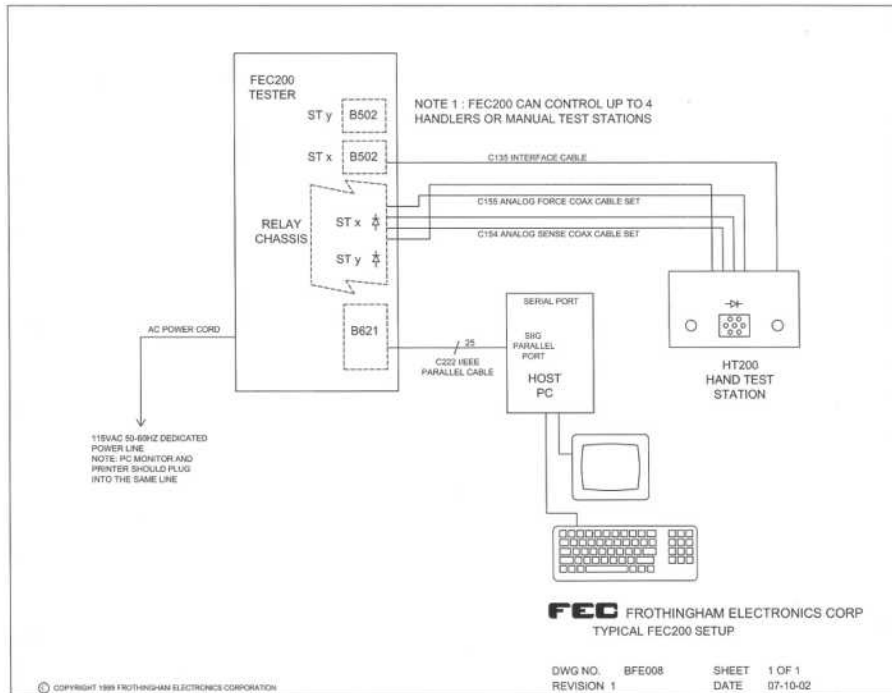
RECESSED POWER
RECEPTICAL
BELDEN PN. 17252A

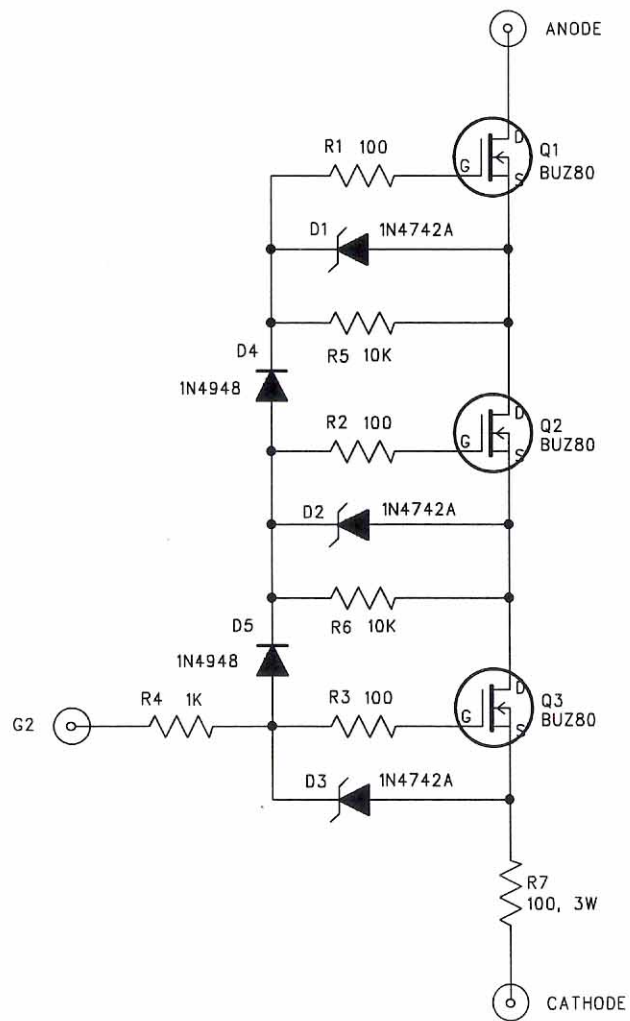


FEC FROTHINGHAM ELECTRONICS CORP
GENERAL PURPOSE POWER INTERLOCK CASE

DWG NO. W418
REVISION 2.01

SHEET 1 OF 1
DATE 08-02-01





TITLE B643 Vacuum tube replacement for 6BG6A

Dwg# SB643

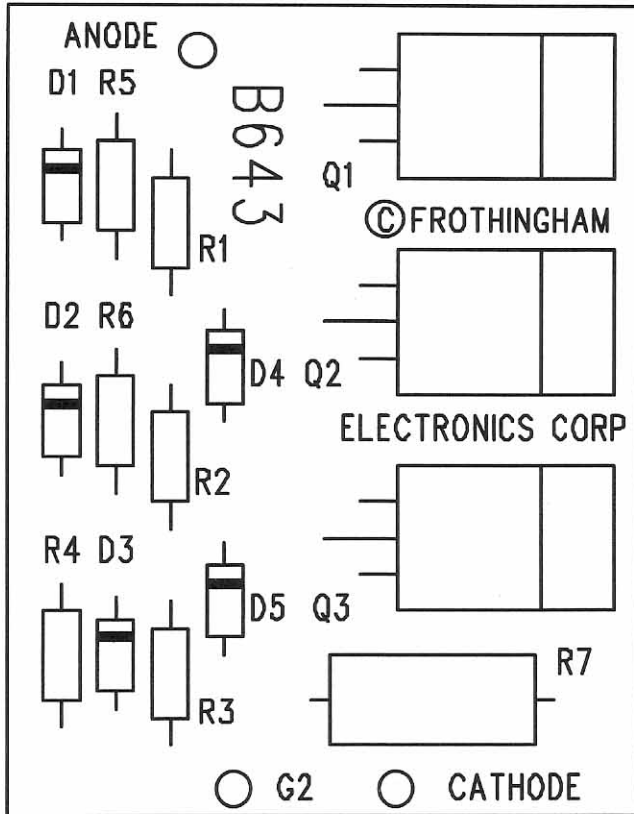
Rev 1.00

Date 8/17/04

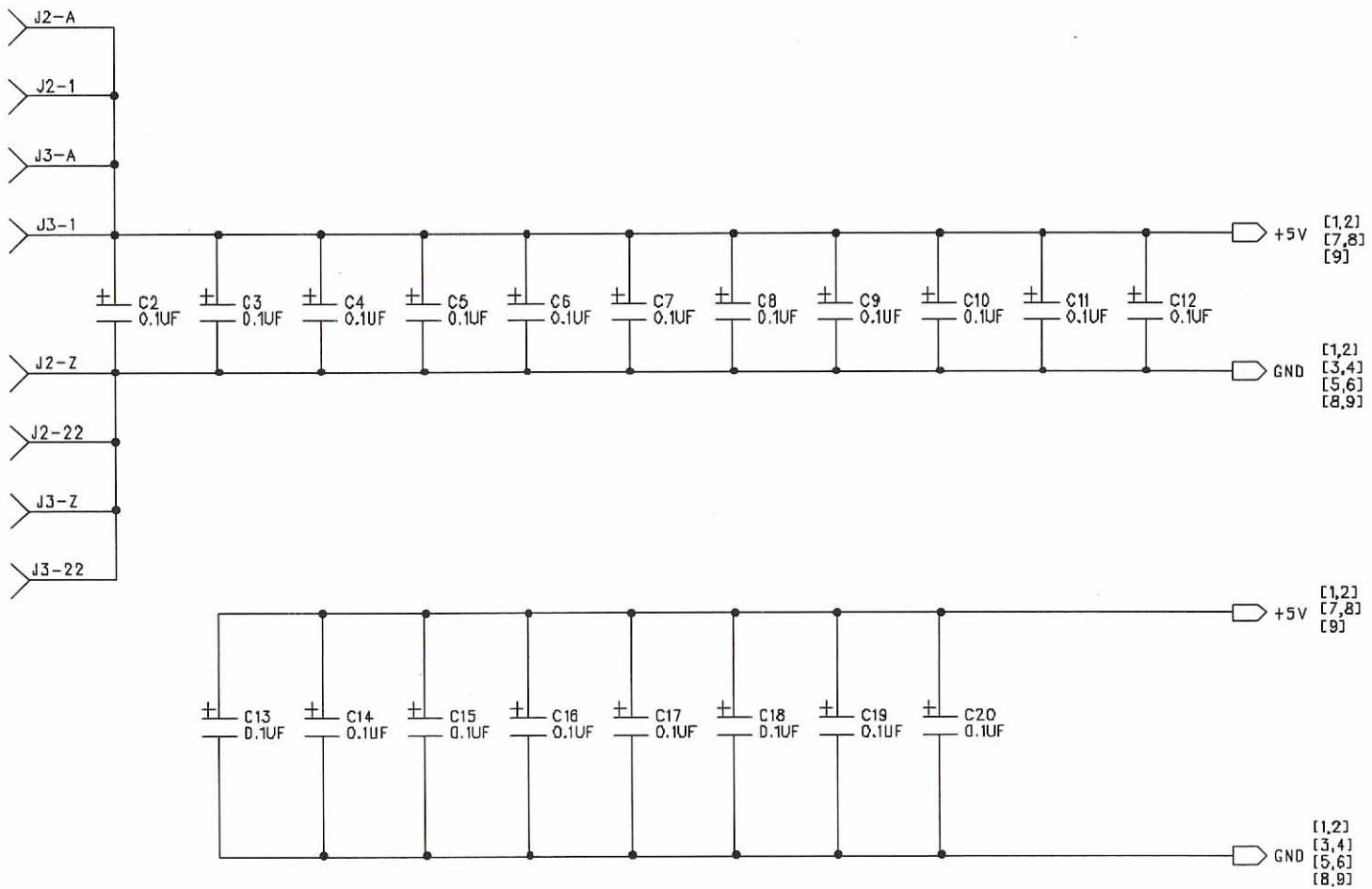
Sheet 1

of 1

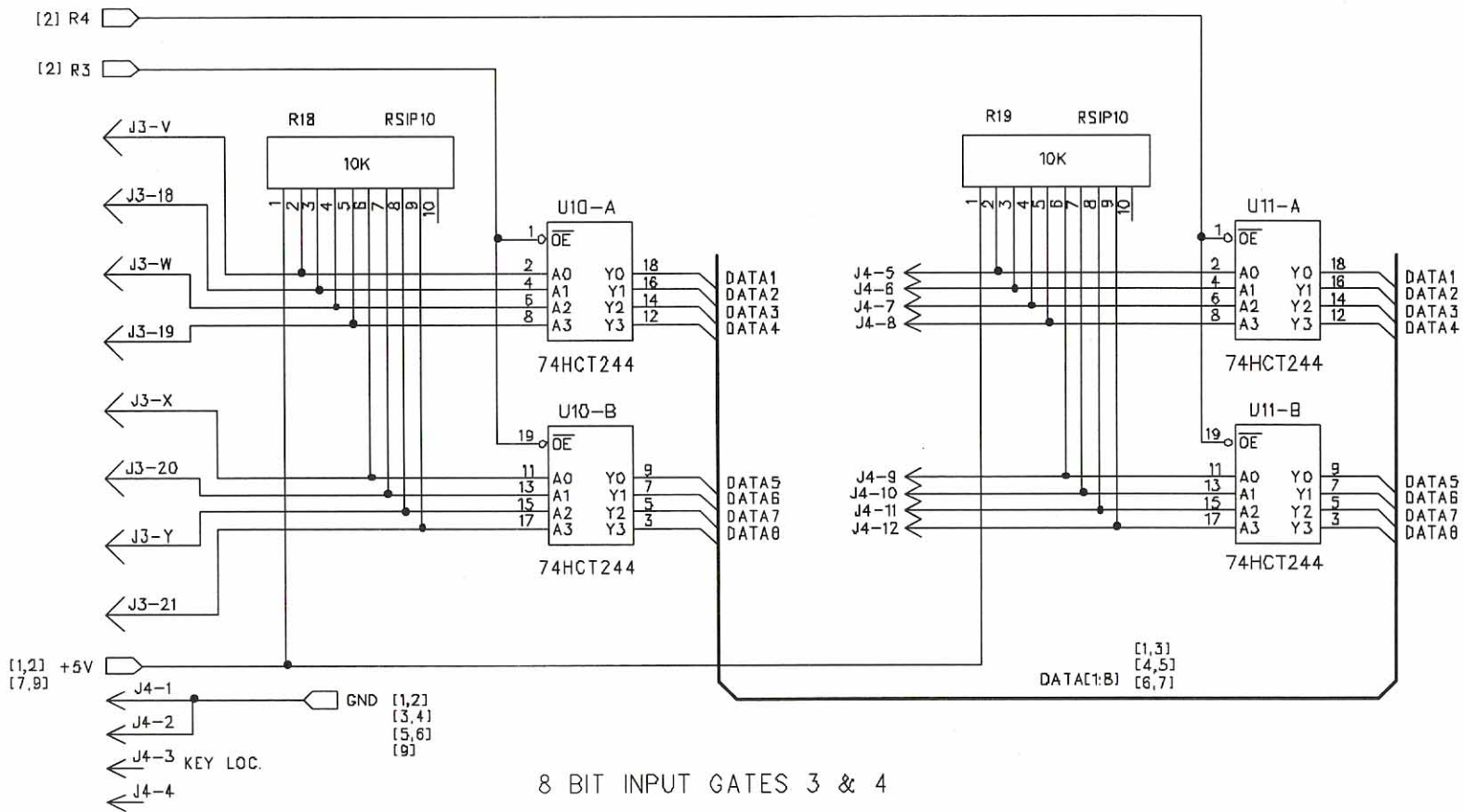
FROTHINGHAM ELECTRONICS CORP



FROTHINGHAM ELECTRONICS CORP
 B643 REV 1.00 09-02-04



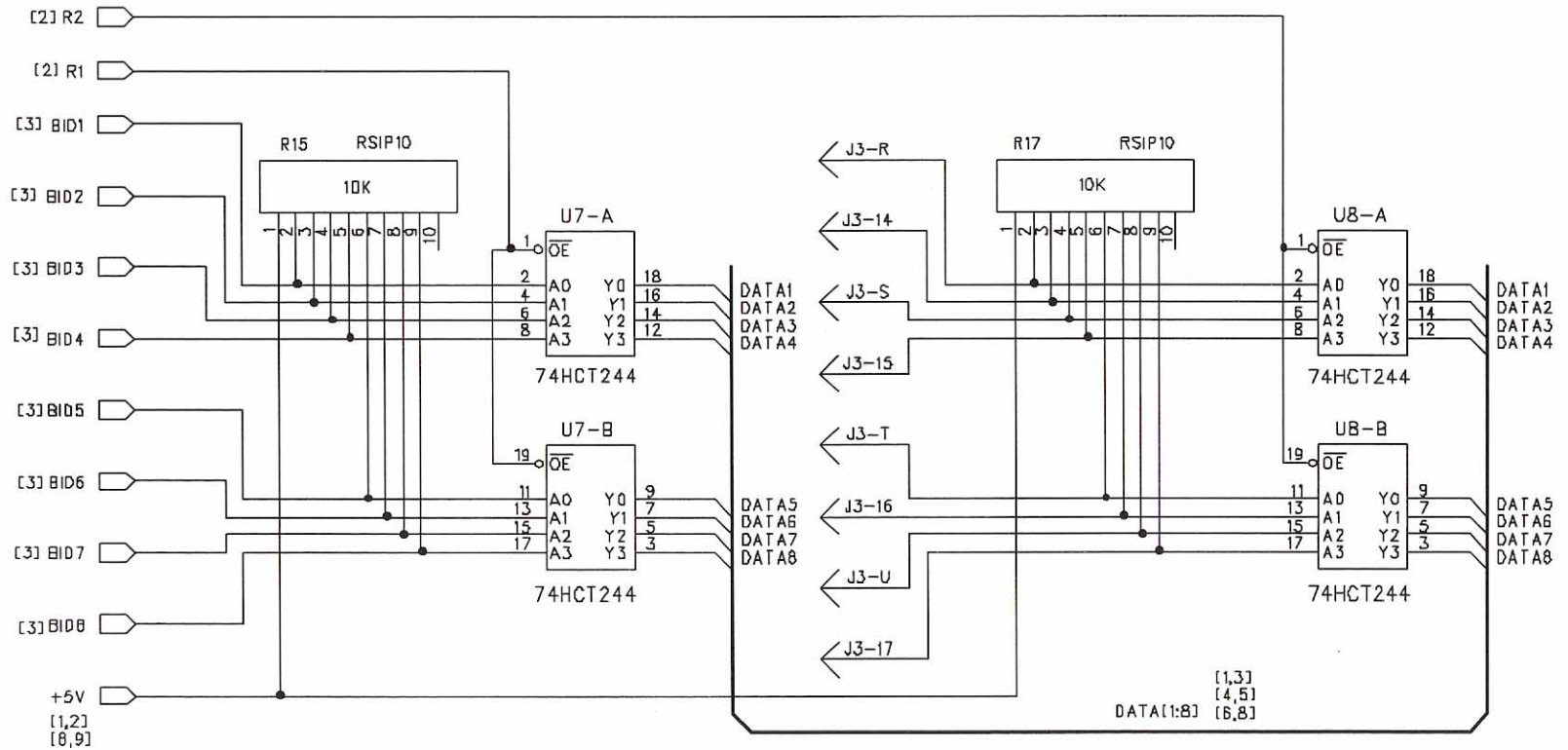
TITLE	B621 Test control interface				
Dwg# SB621	Rev 2.00	Date 05/18/06	Sheet 9	of 9	FROTHINGHAM ELECTRONICS CORP



8 BIT INPUT GATES 3 & 4

J4 IS A 12 PIN SIP HEADER

TITLE	B621 Tester control interface						
Dwg# SB621	Rev 2.00	Date 05/18/06	Sheet 8	of 9	FROTHINGHAM ELECTRONICS CORP		



8 BIT INPUT GATES 1 & 2

TITLE B621 Tester control interface

Dwg# SB621

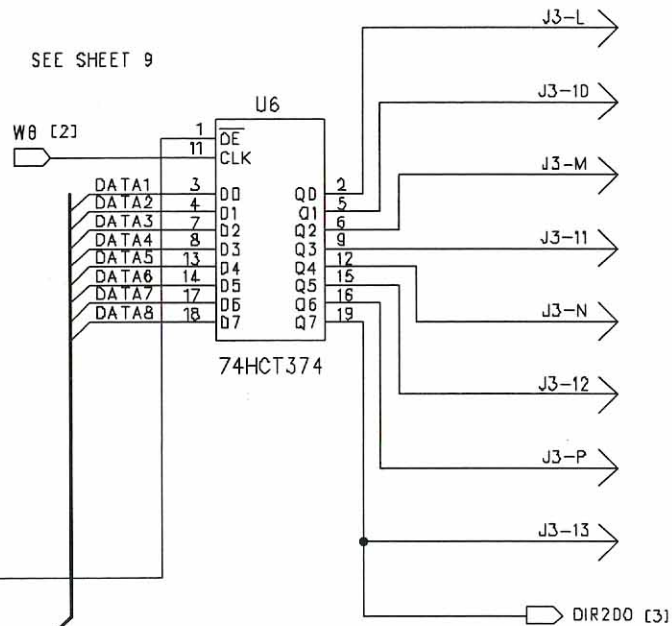
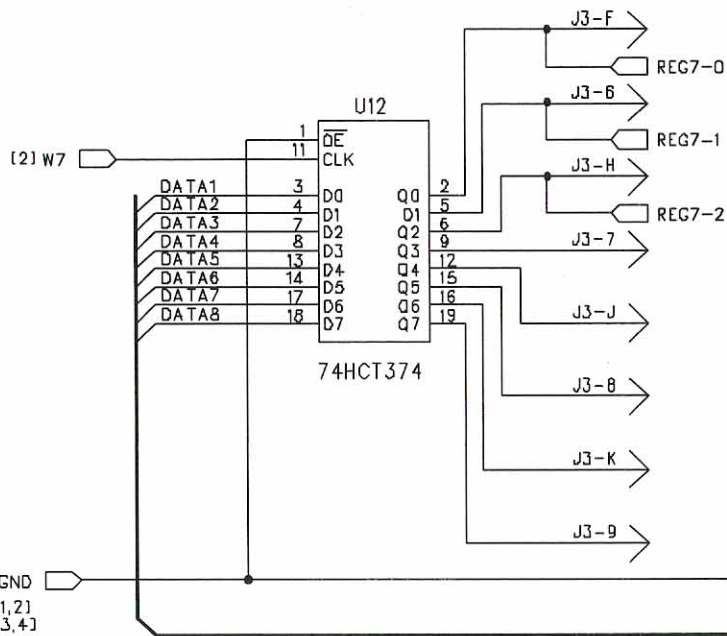
Rev 2.00

Date 05/18/06

Sheet 7

of 9

FROTHINGHAM ELECTRONICS CORP



DATA[1:8]
[1,3]
[4,5]
[7,8]

8 BIT OUTPUT REGISTERS 7 & 8

TITLE B621 Tester control interface

Dwg# SB621

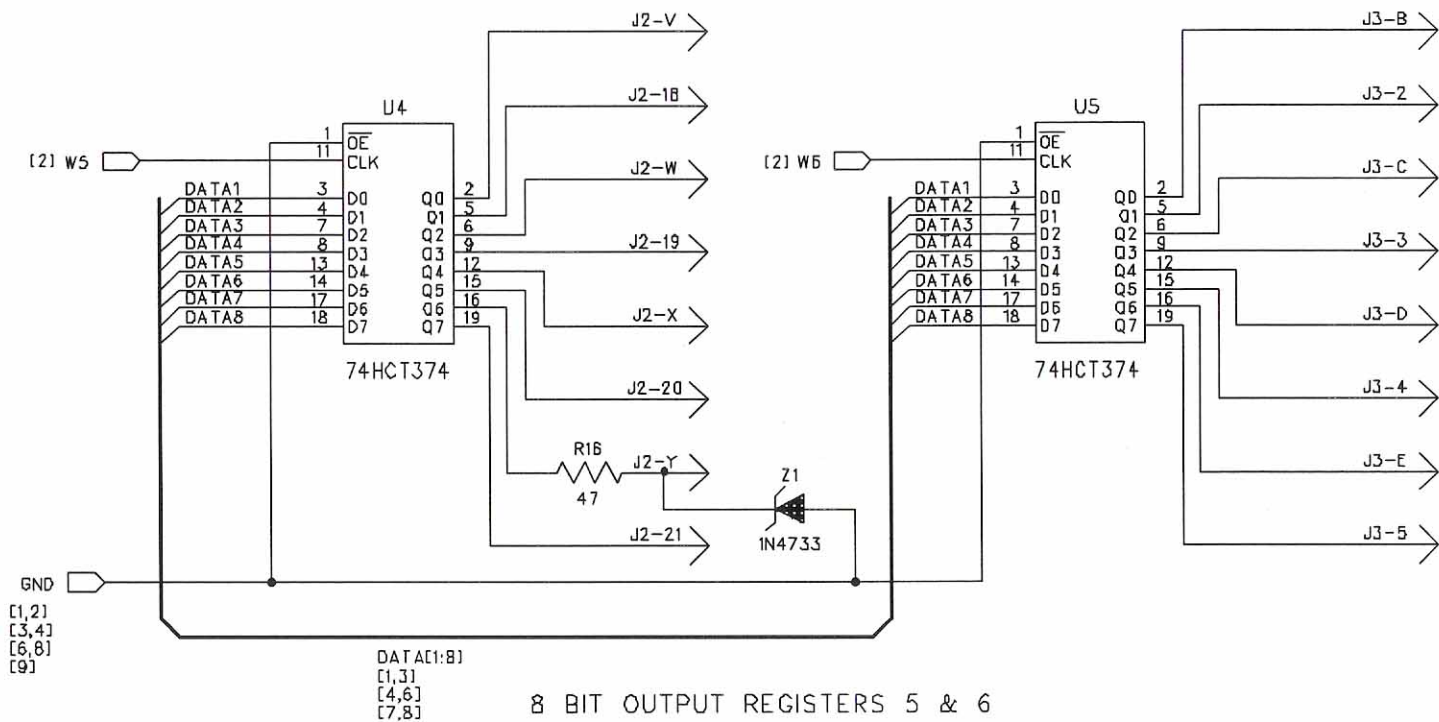
Rev 2.00

Date 05/18/06

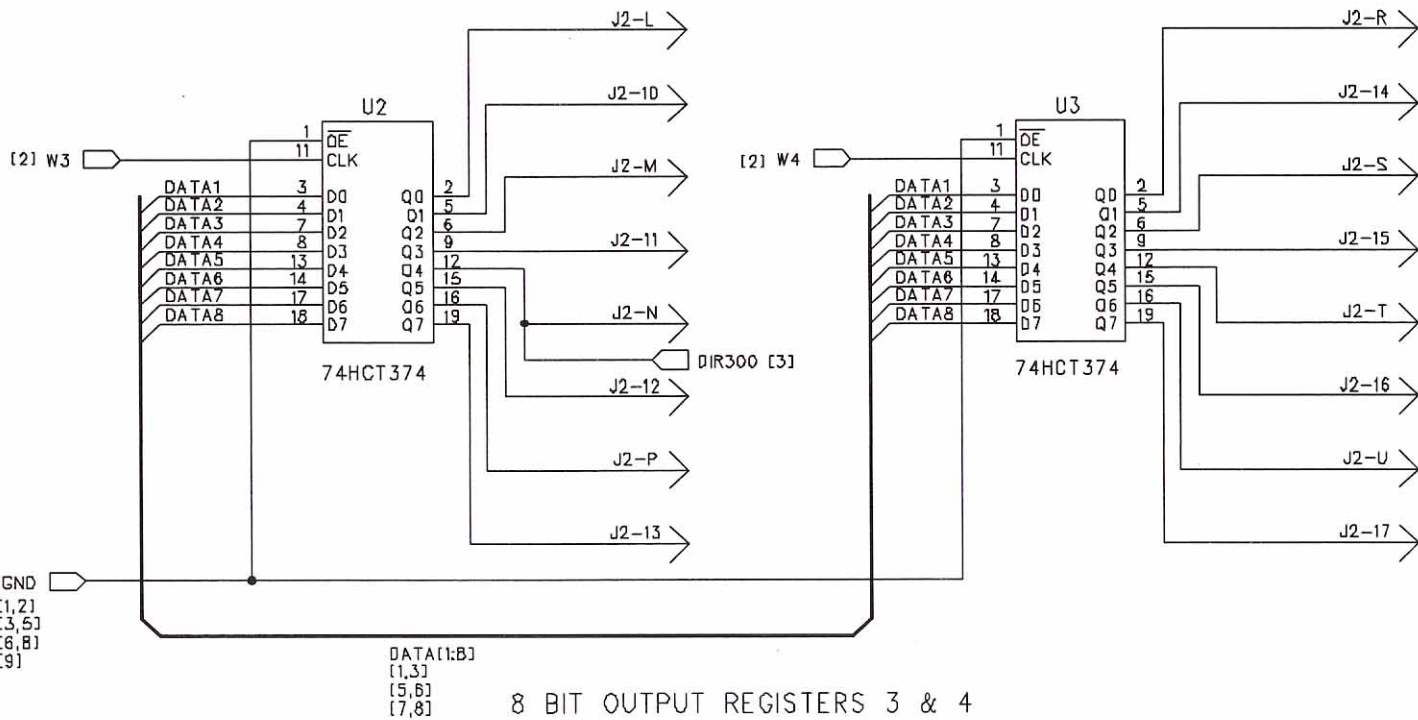
Sheet 6

of 9

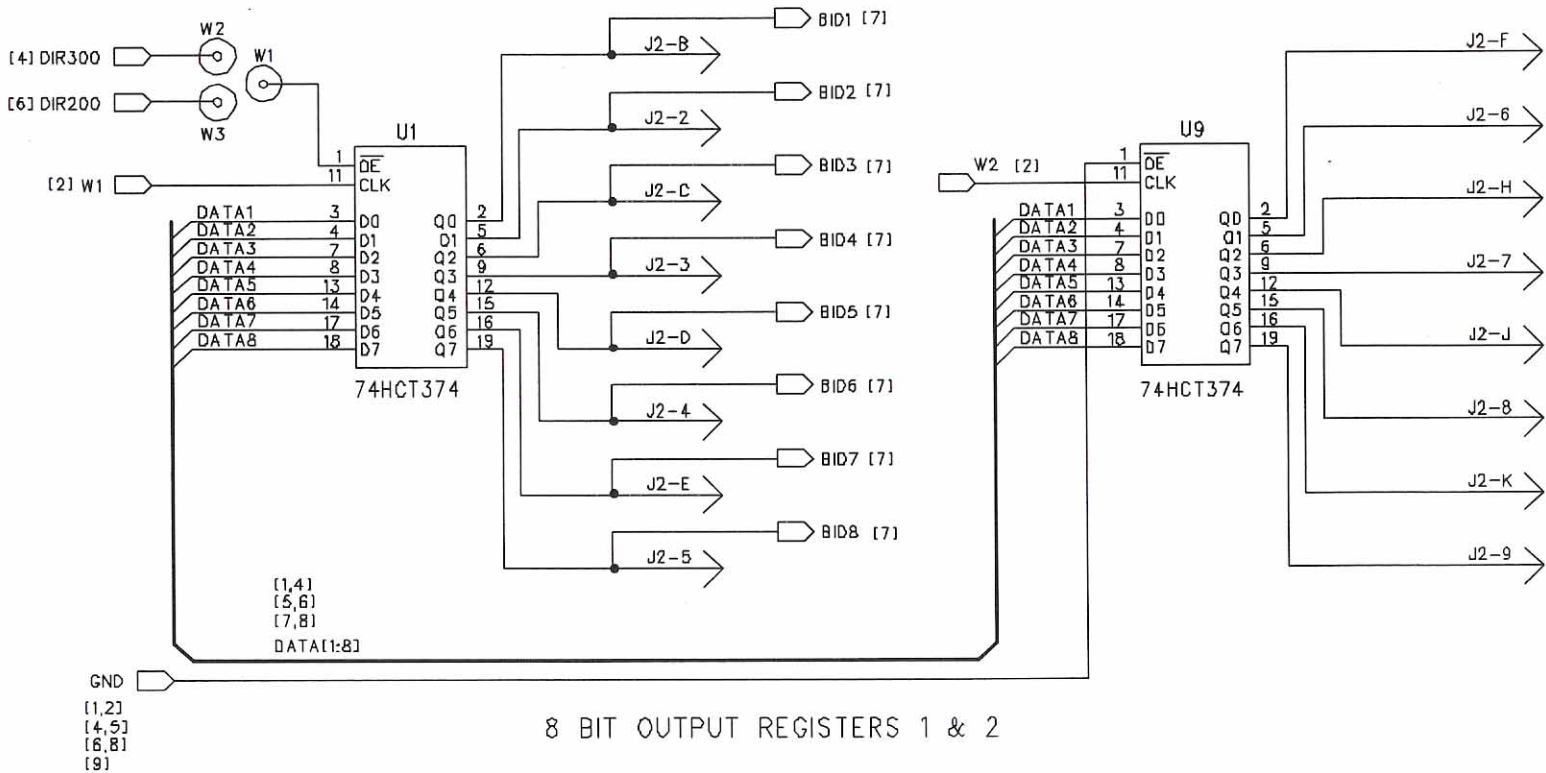
FROTHINGHAM ELECTRONICS CORP



Note: J2-Y controls 2KV supply, Low = "ON"
 (APPLIES TO FEC100/200)

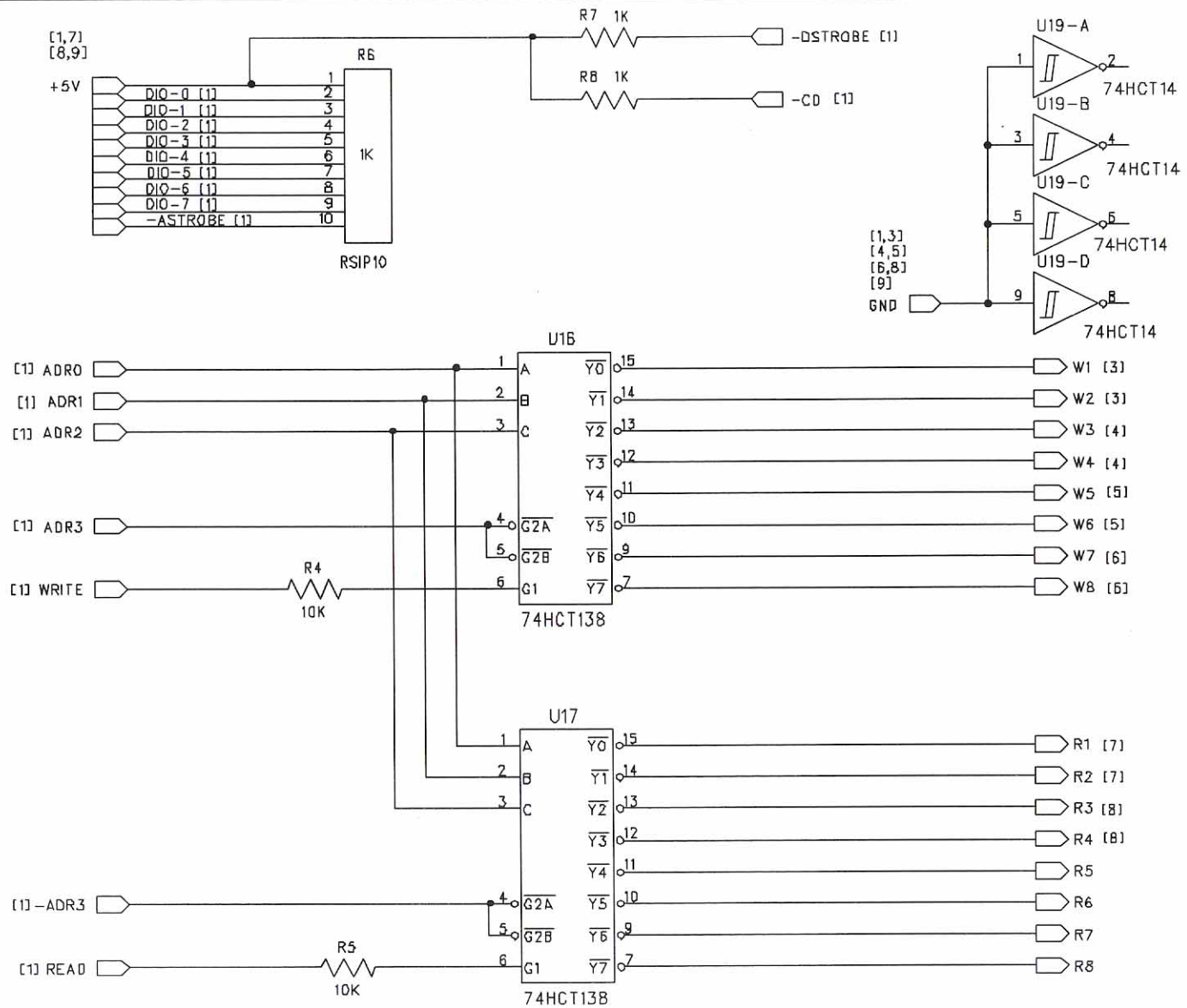


TITLE	B621 Tester control interface							
Dwg# SB621	Rev 2.00	Date 05/18/06	Sheet 4	of 9	FROTHINGHAM ELECTRONICS CORP			



8 BIT OUTPUT REGISTERS 1 & 2

TITLE	B621 Tester control interface									
Dwg#	SB621	Rev	2.00	Date	05/18/06	Sheet	3	of	9	FROTHINGHAM ELECTRONICS CORP



TITLE B621 Tester control interface

Dwg# SB621

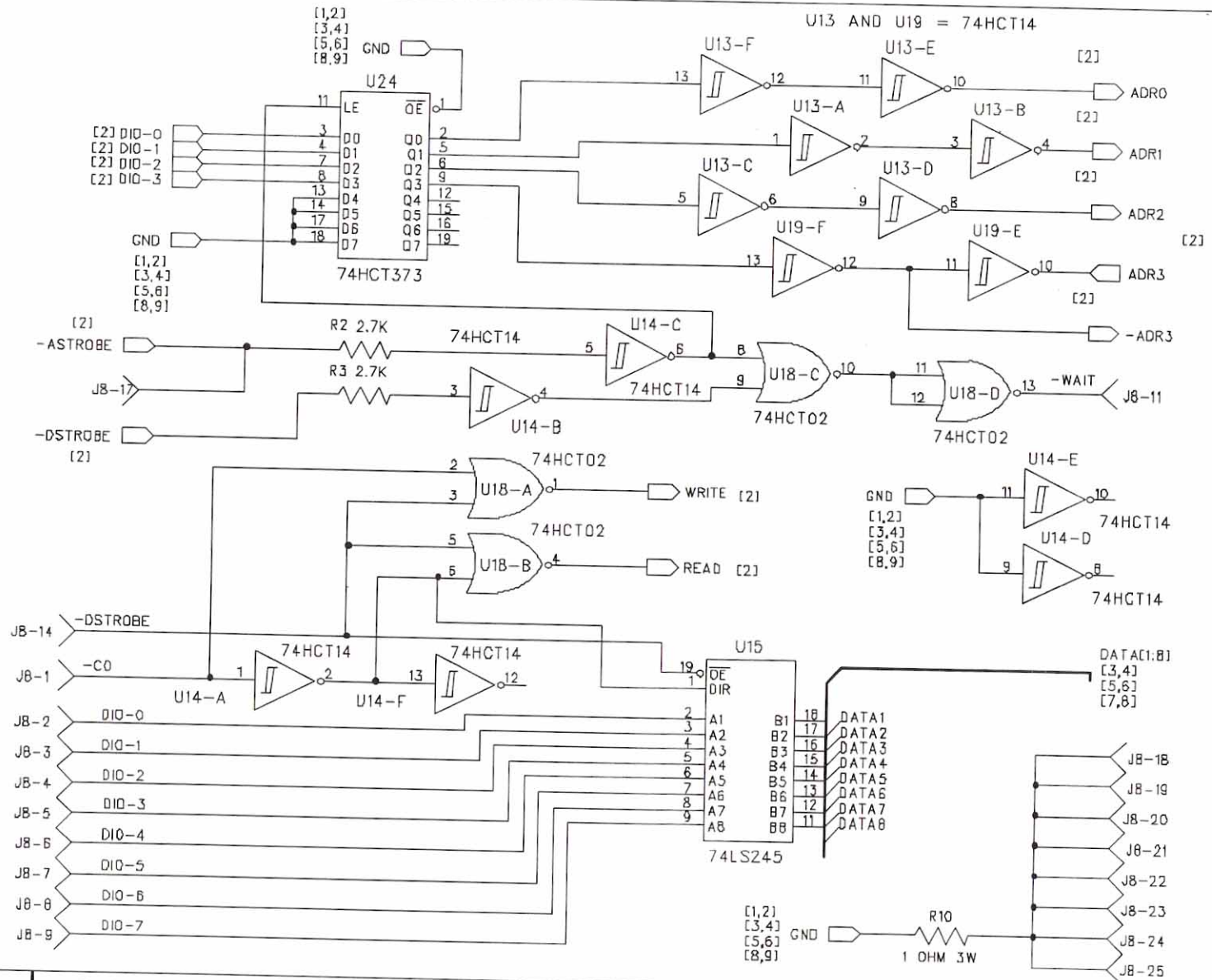
Rev 2.00

Date 05/18/06

Sheet 2

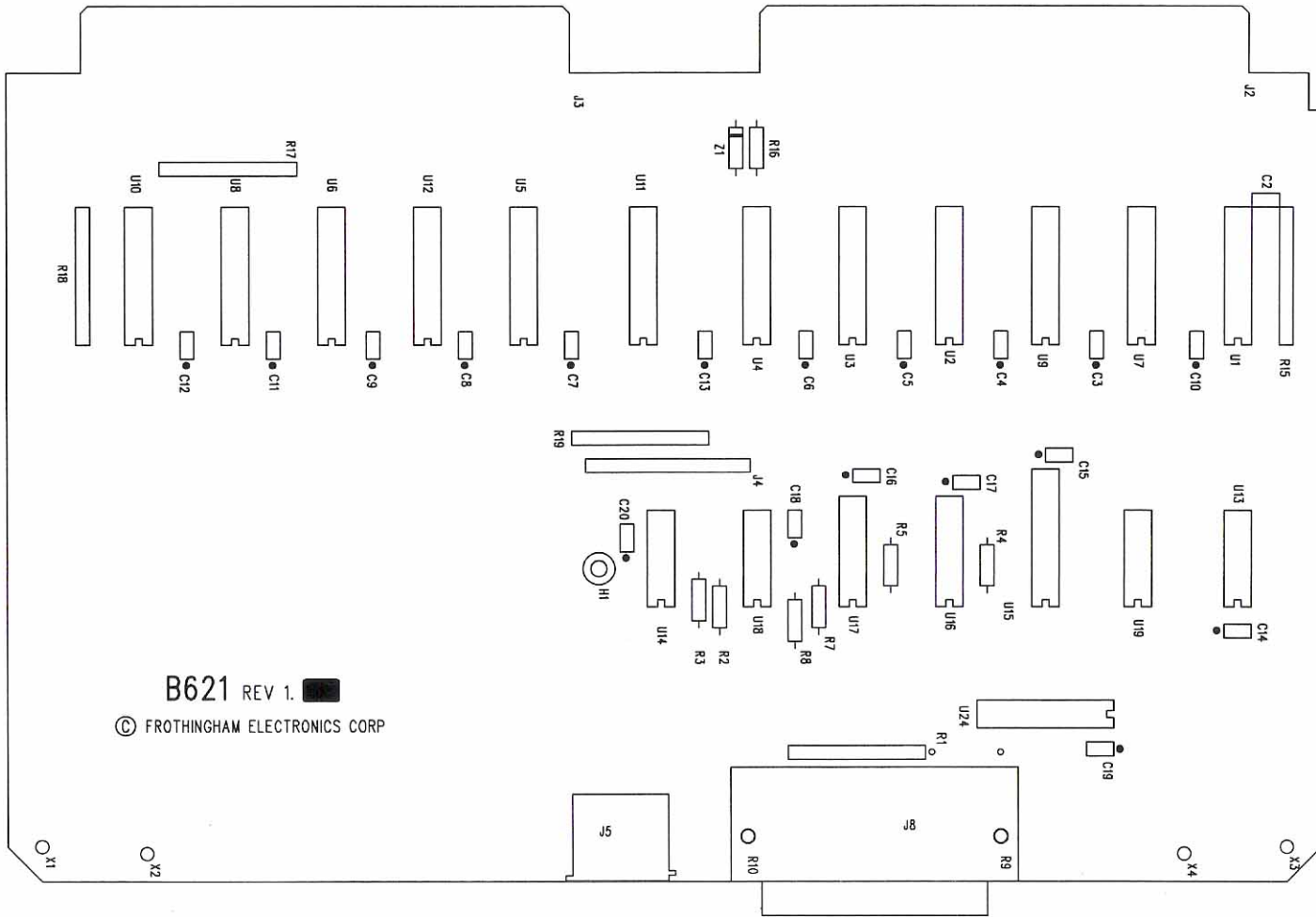
of 9

FROTHINGHAM ELECTRONICS CORP



TITLE	B621 Tester control interface							
Dwg# SB621	Rev 2.00	Date 05/18/06	Sheet 1	of 9	FROTHINGHAM ELECTRONICS CORP			

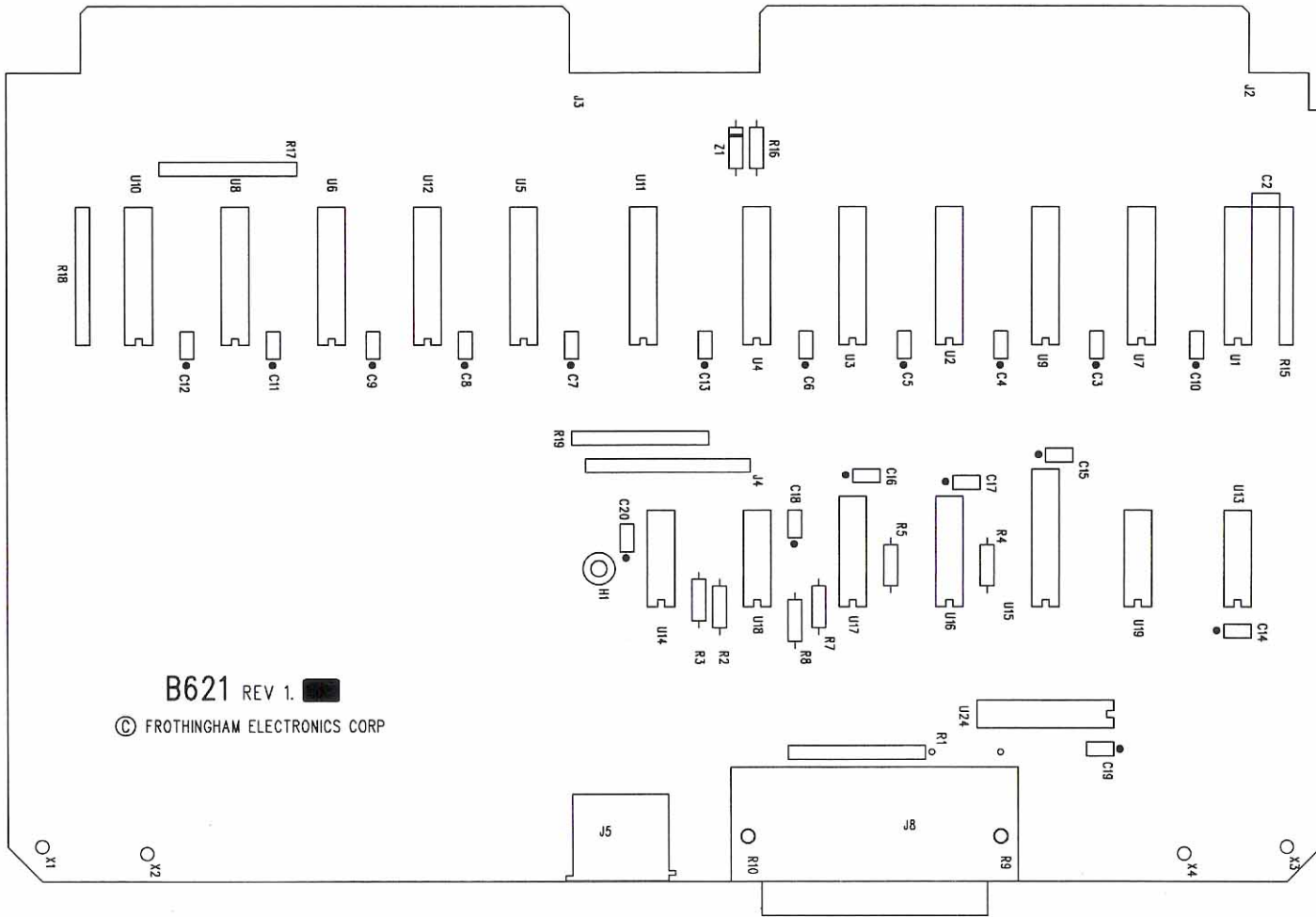
TOP COMPONENT SIDE



B621 REV 1. ■

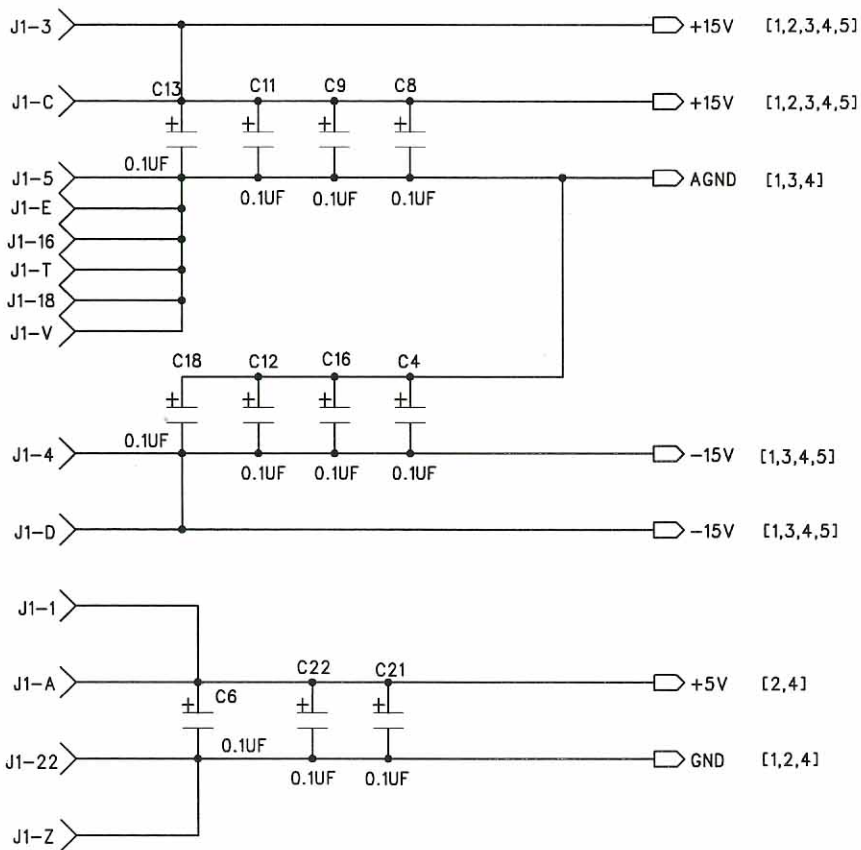
© FROTHINGHAM ELECTRONICS CORP

TOP COMPONENT SIDE



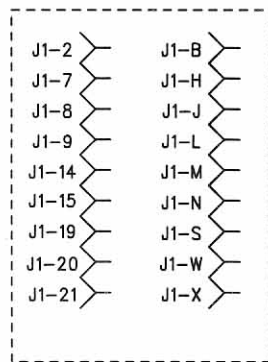
B621 REV 1. ■

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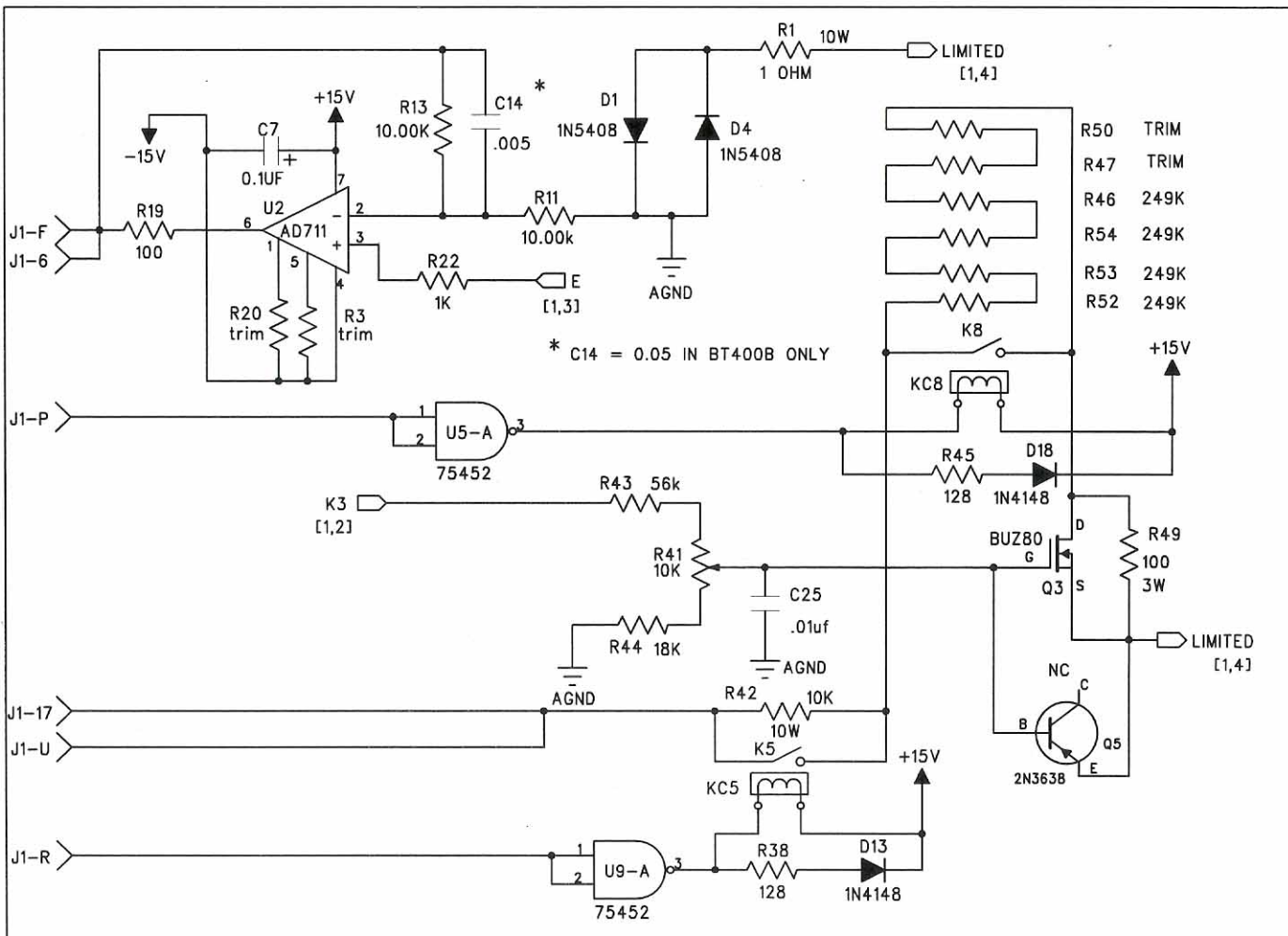
NOTES:

ALL RESISTORS ARE 1/4W 5% CARBON FILM
UNLESS OTHERWISE NOTED

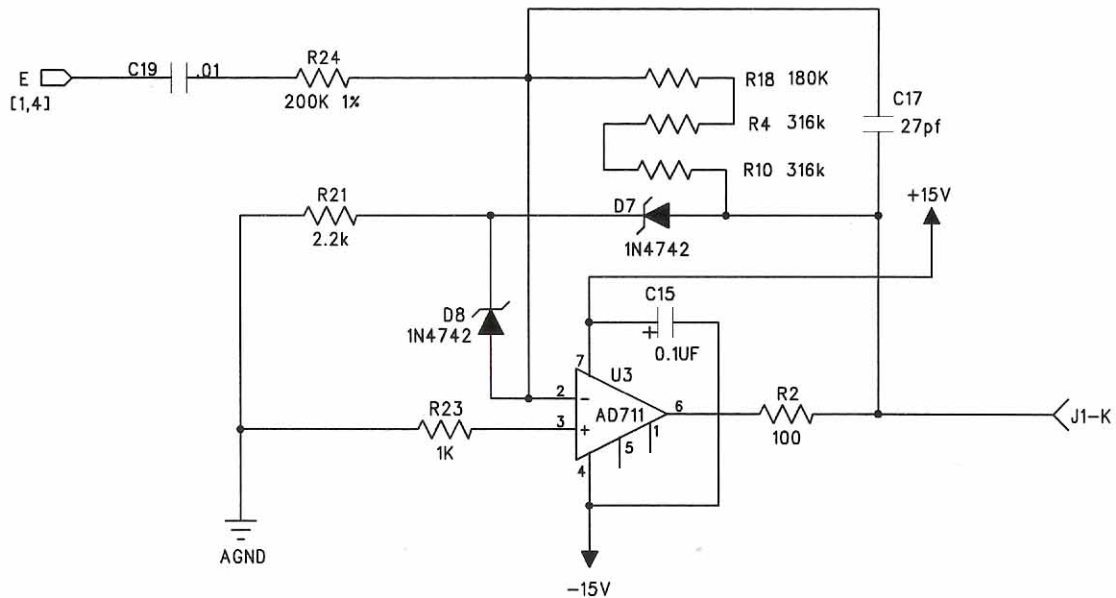


TITLE FEC 100/200 SINGLE ENDED IR VR SIGNAL CONDITIONER

Dwg# SB552 Rev 1.00 Date 06-04-04 Sheet 5 of 5 FROTHINGHAM ELECTRONICS CORP

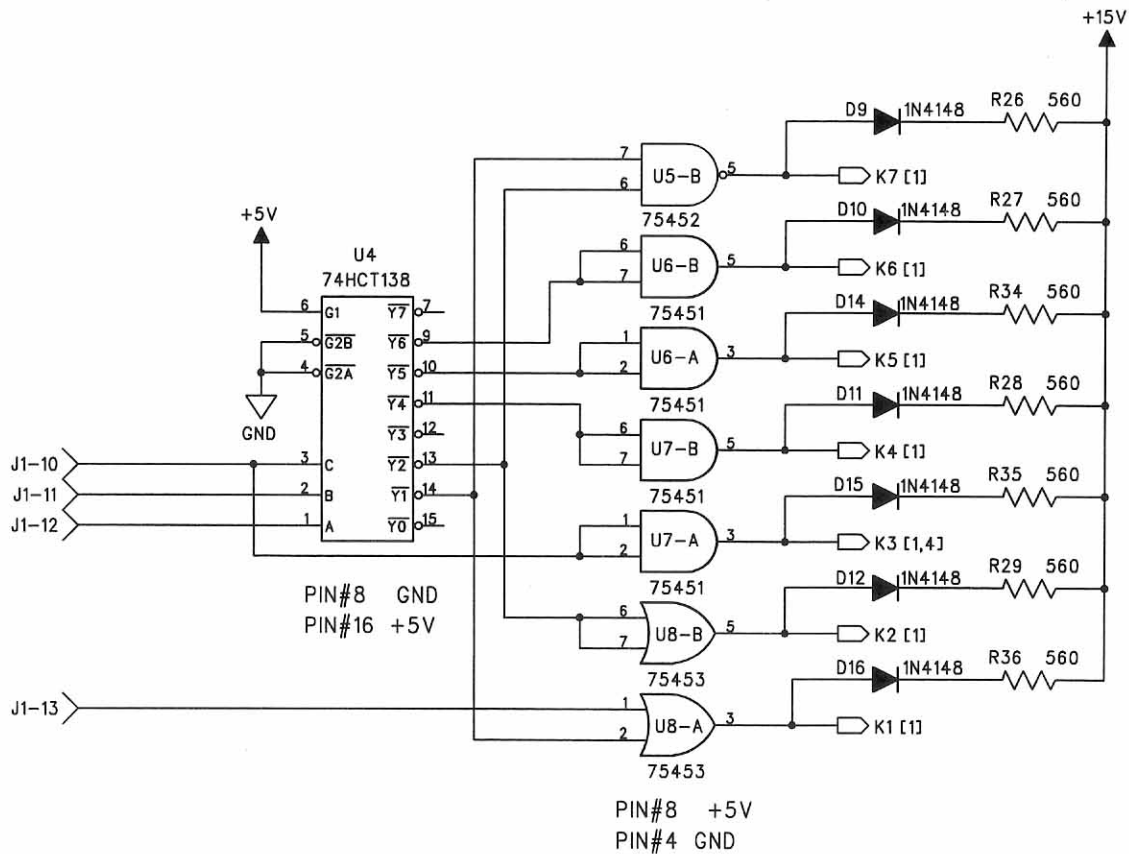


TITLE	FEC 100/200 SINGLE ENDED IR VR SIGNAL CONDITIONER				
Dwg#	SB552	Rev	1.00	Date	06-04-04
		Sheet	4	of	5
FROTHINGHAM ELECTRONICS CORP					

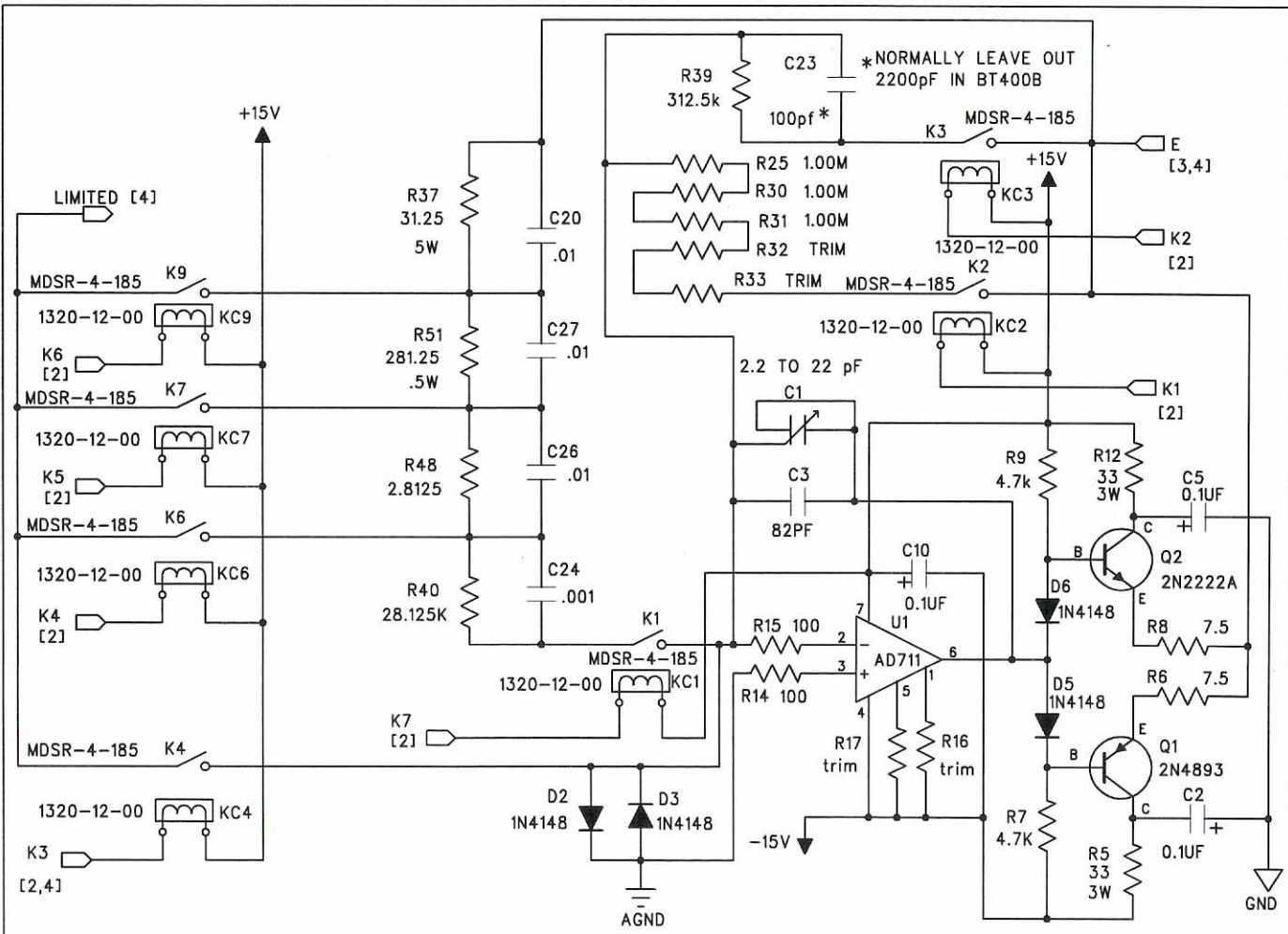


TITLE | FEC 100/200 SINGLE ENDED IR VR SIGNAL CONDITIONER

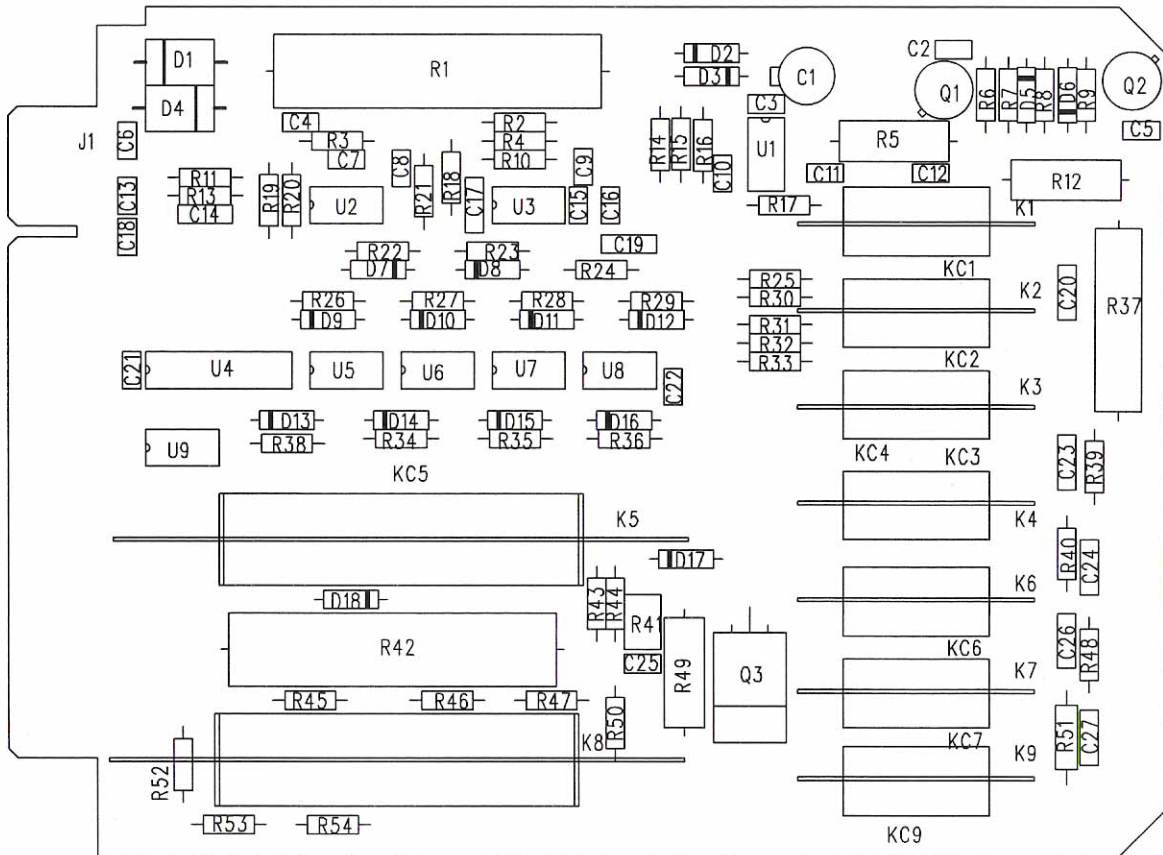
Dwg# SB552 | Rev 1.00 | Date 06-04-04 | Sheet 3 | of 5 | FROTHINGHAM ELECTRONICS CORP

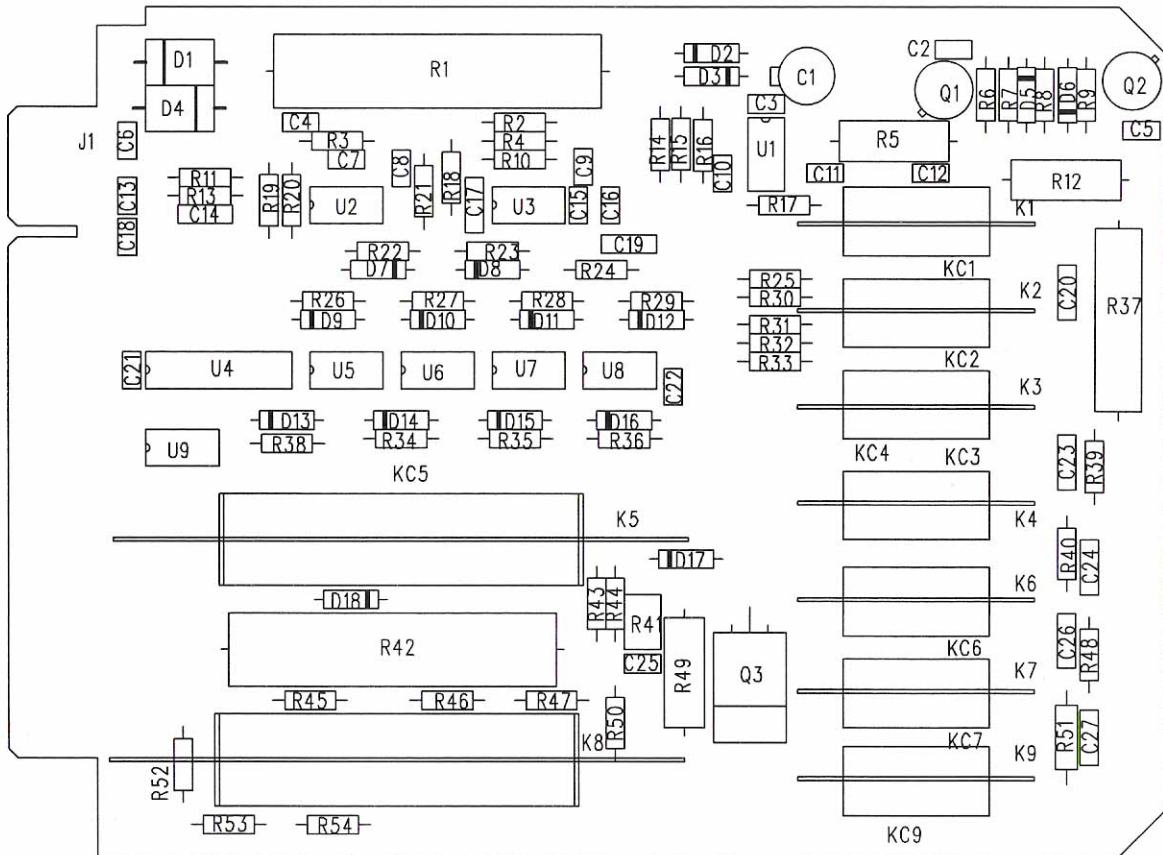


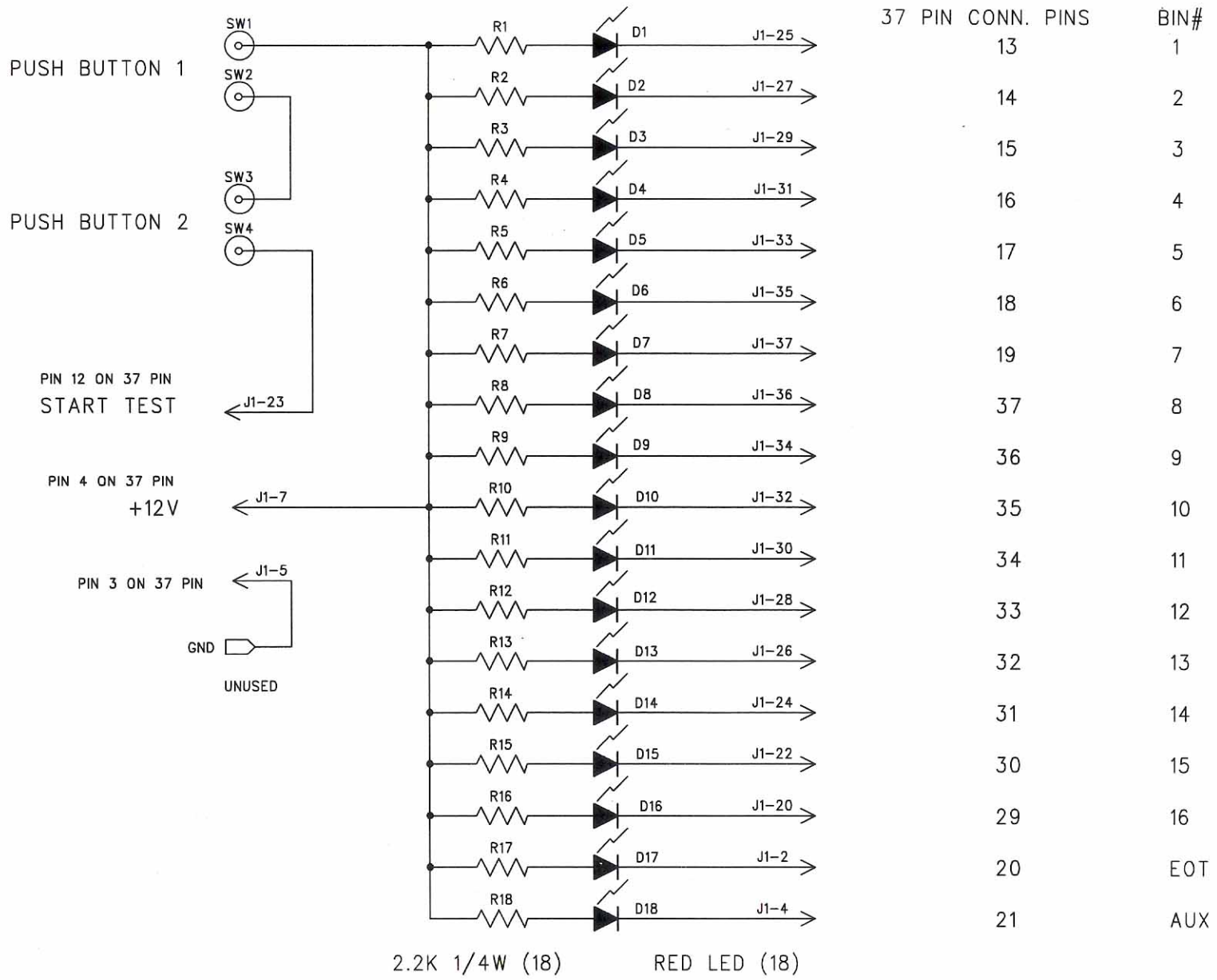
TITLE	FEC 100/200 SINGLE ENDED IR VR SIGNAL CONDITIONER				
Dwg# SB552	Rev 1.00	Date 06-04-04	Sheet 2	of 5	FROTHINGHAM ELECTRONICS CORP



TITLE	FEC 100/200 SINGLE ENDED IR VR SIGNAL CONDITIONER									
Dwg#	SB552	Rev	1.00	Date	06-04-04	Sheet	1	of	5	FROTHINGHAM ELECTRONICS CORP







TITLE	B535 SUBASSEMBLY FOR MANUAL TEST STATION								
Dwg#	535	Rev	Date	3/22/96	Sheet	1	of	1	FROTHINGHAM ELECTRONICS CORP

B535



SW7



SW8



D1



D2



D3



D4



D5



D6



D7



D8



D9



D10



D11



D12



D13



D14



D15



D16



SW5



R1



R2



R3



R4



R5



R6



R7



R8



R9



R10



R11



R12



R13



R14



R15



R16

SW6



R17



D17



R18



D18

SW1



PB1

SW2

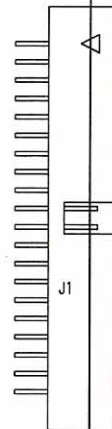


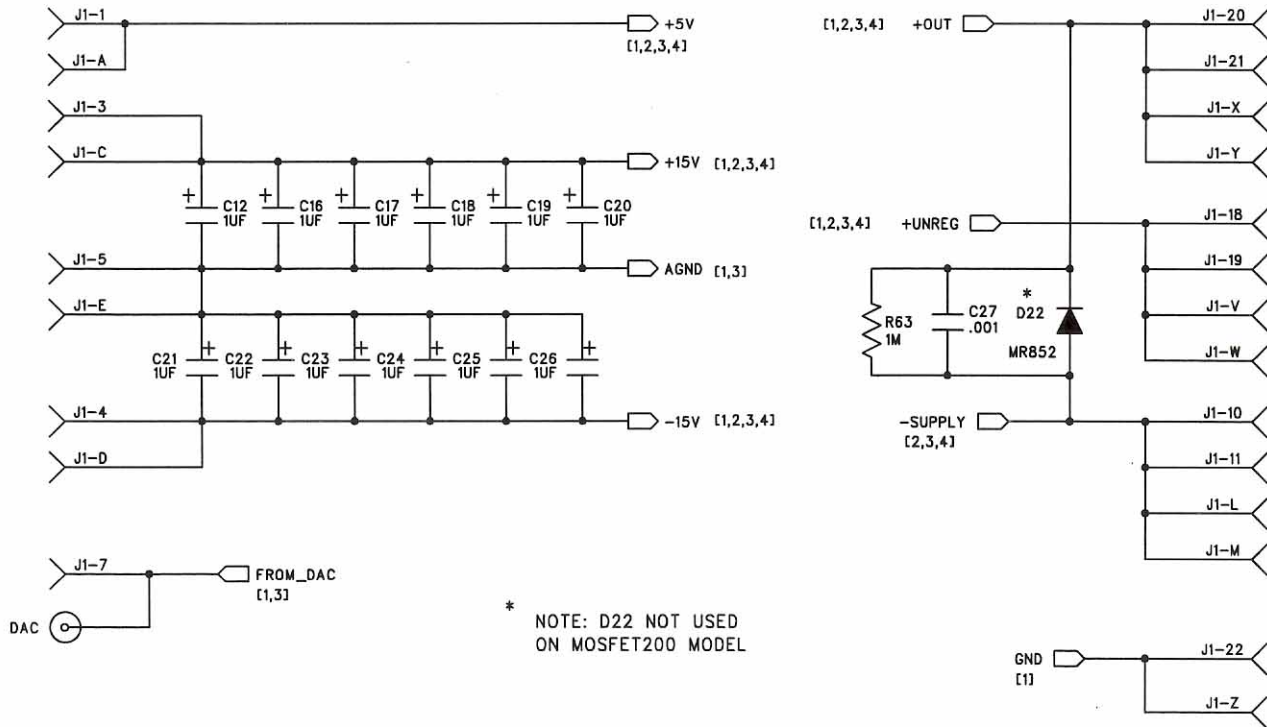
SW3



PB2

SW4





TITLE B534 NEGATIVE CURRENT SOURCE 4 RANGES 40MA TO 40A FULLSCALE

Dwg# SB534

Rev 2.00

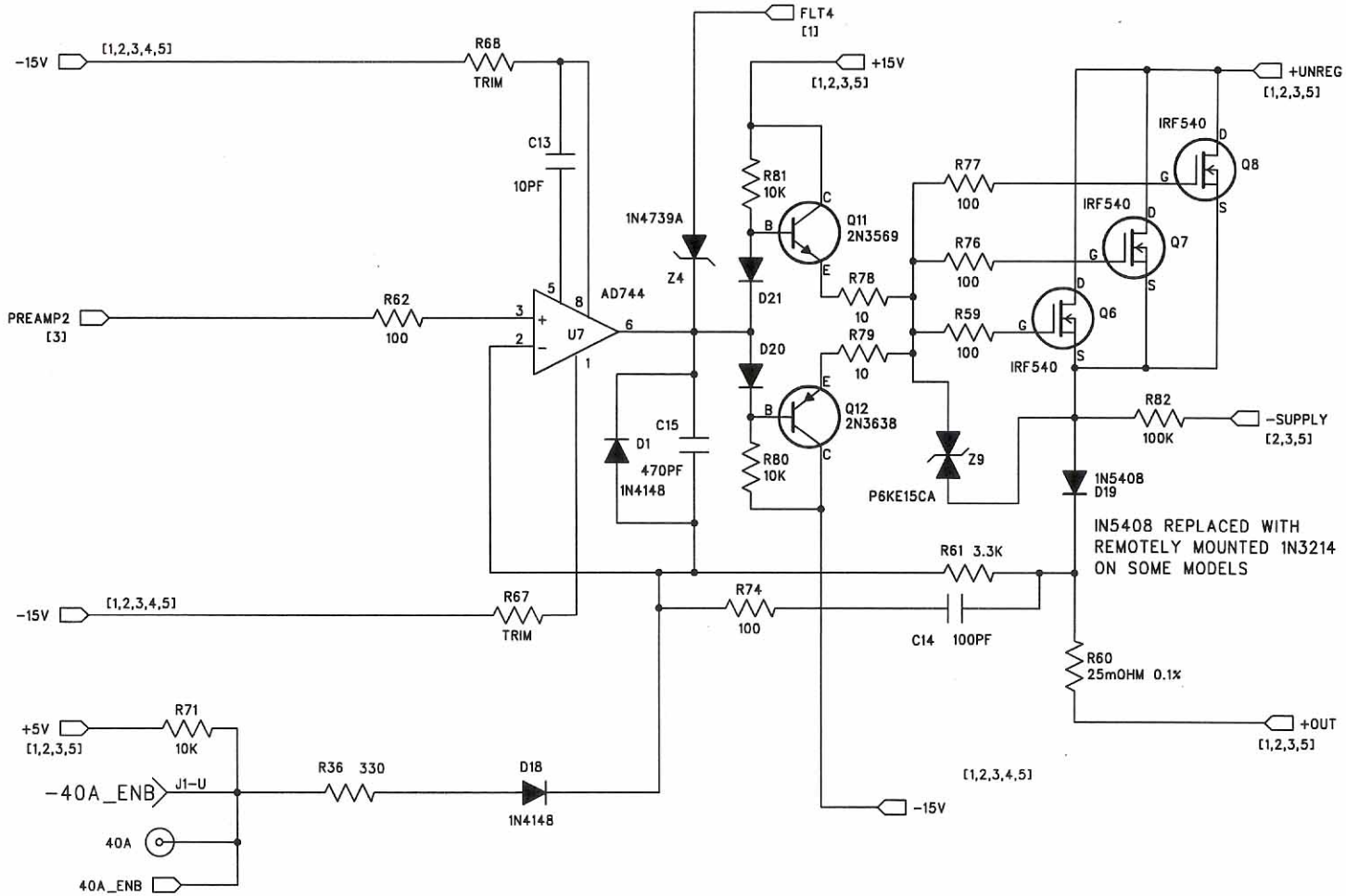
Date 03-10-05

Sheet 5

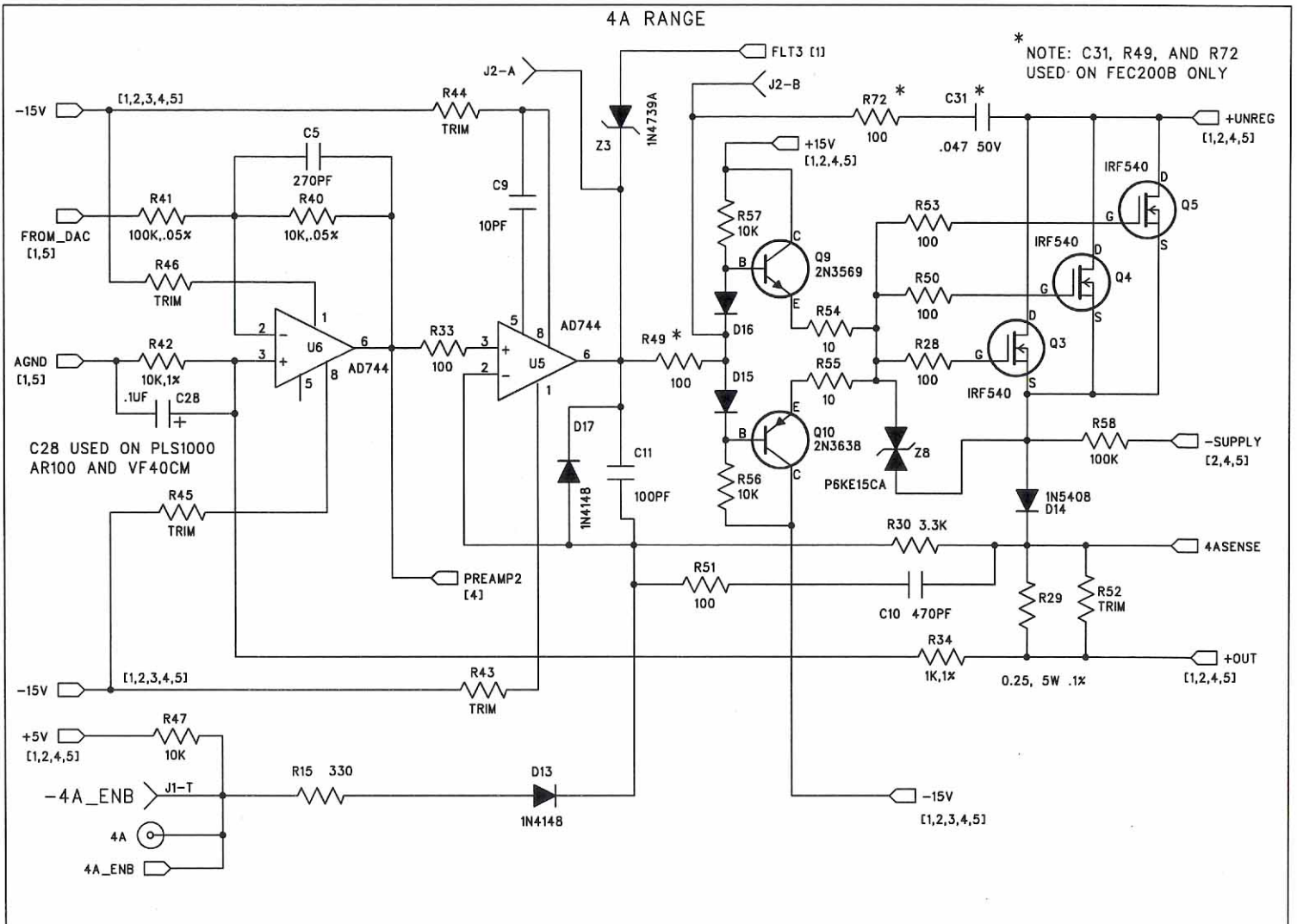
of 5

FROTHINGHAM ELECTRONICS CORP

40A RANGE



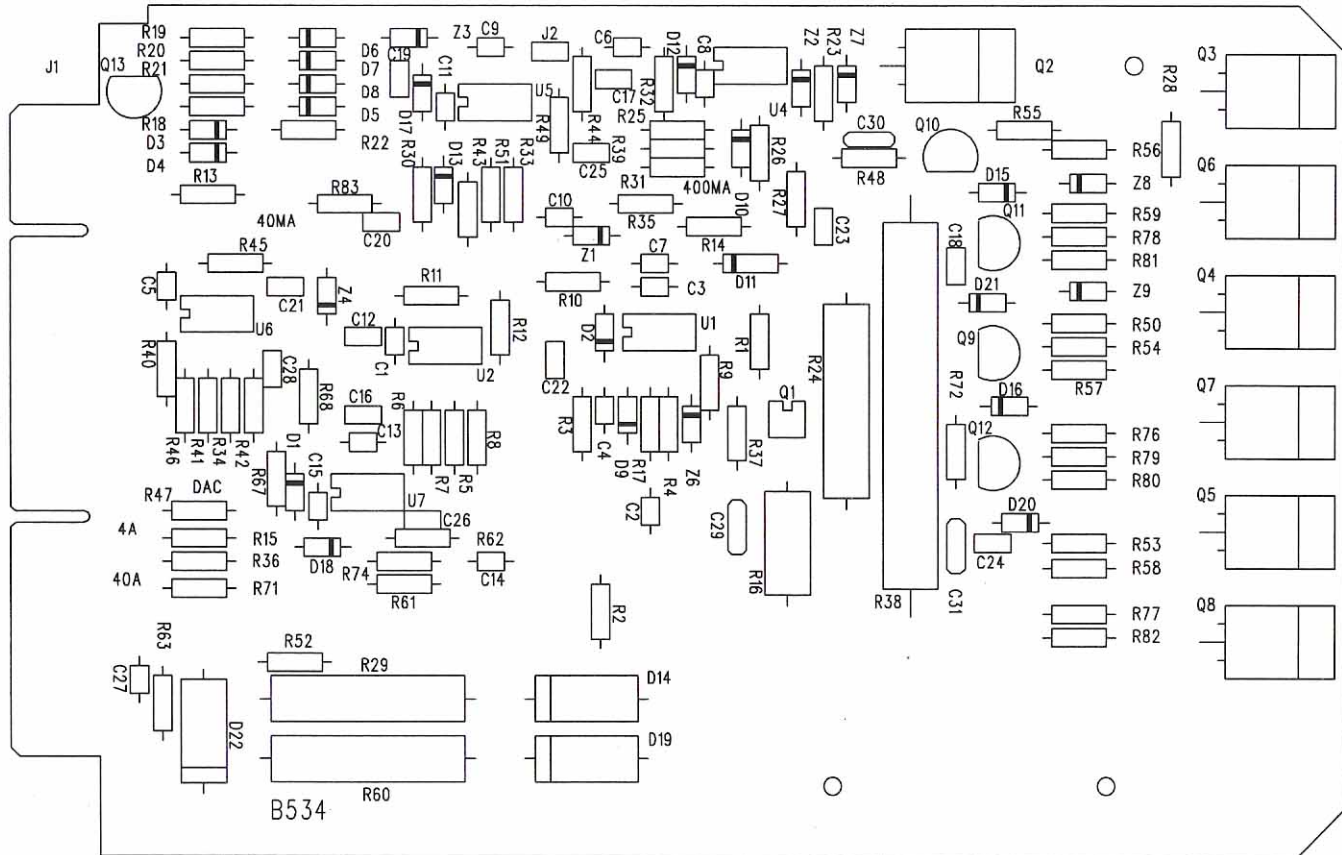
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Dwg#	SB534	Rev	2.00	Date	03-10-05
Sheet	4	of	5	FROTHINGHAM ELECTRONICS CORP	

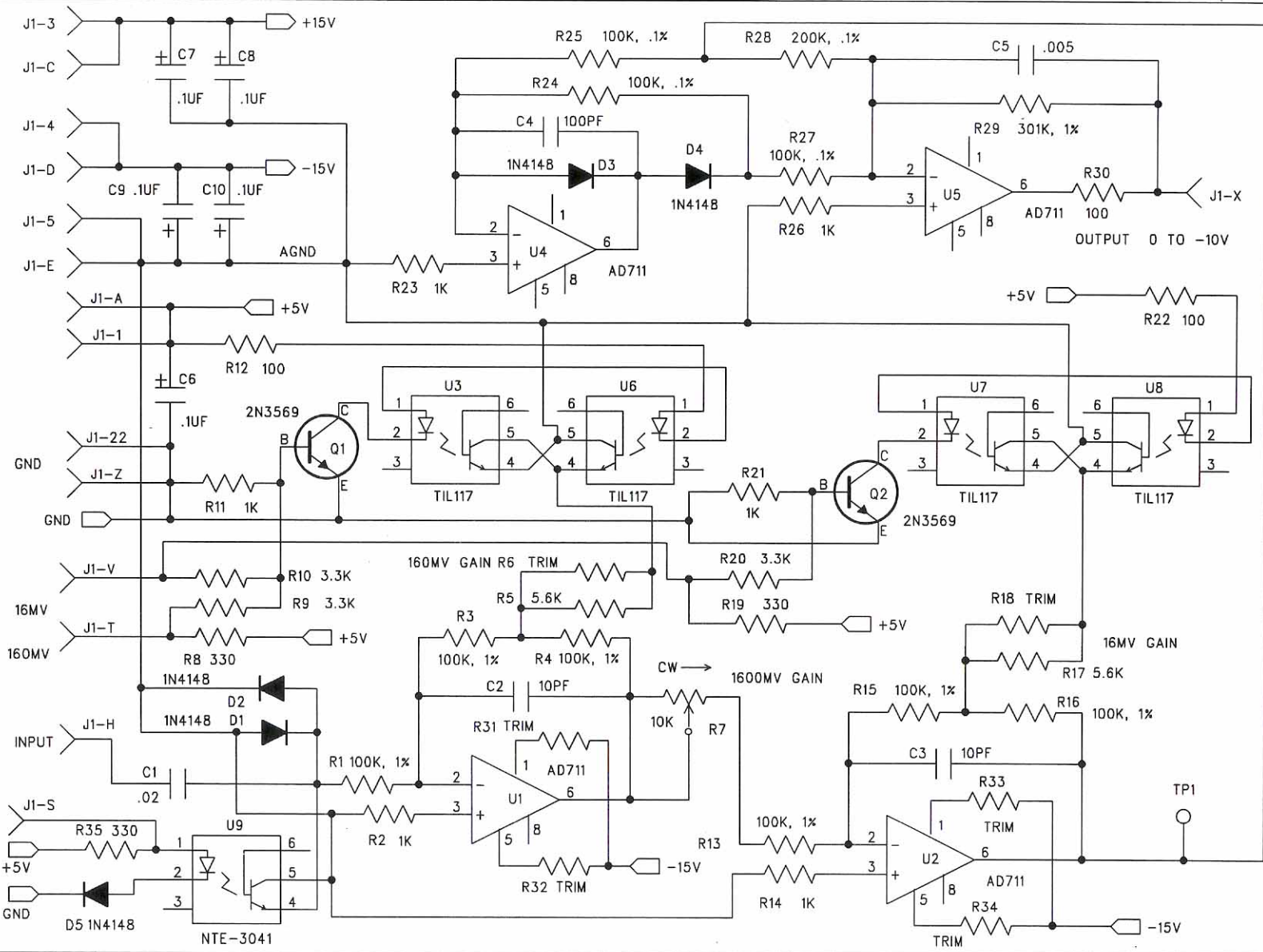


TITLE | B534 | NEGATIVE CURRENT SOURCE | 4 RANGES | 40MA TO 40A FULLSCALE

Dwg# | SB534 | Rev | 2.00 | Date | 03-10-05 | Sheet | 3 | of | 5

FROTHINGHAM ELECTRONICS CORP



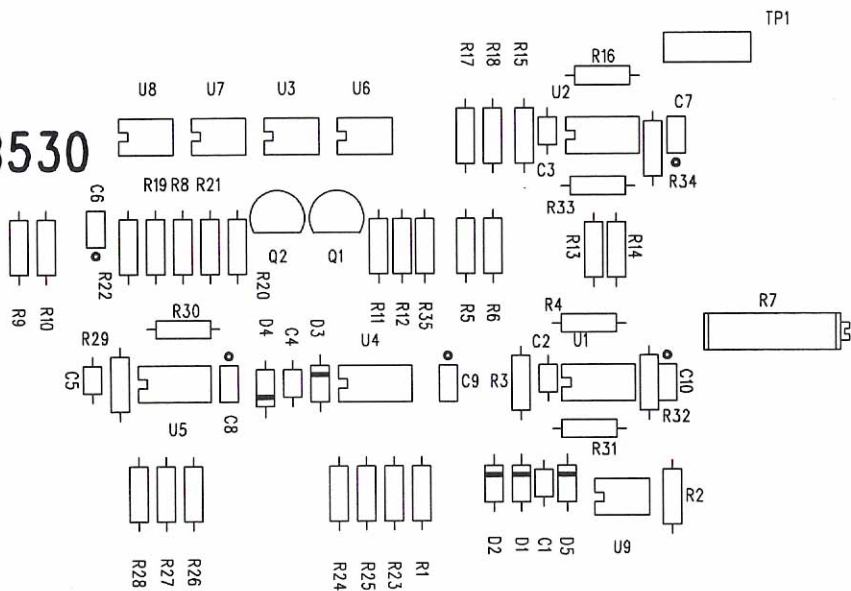


TITLE | B530 1KHZ AC TO DC CONVERTER

Dwg# 530 | Rev 1.01 | Date 10-24-01 | Sheet 1 of 1 | FROTHINGHAM ELECTRONICS CORP

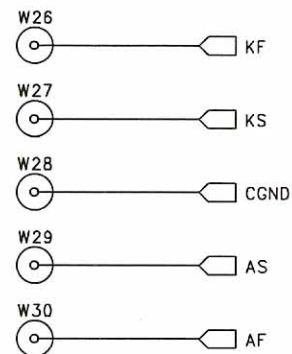
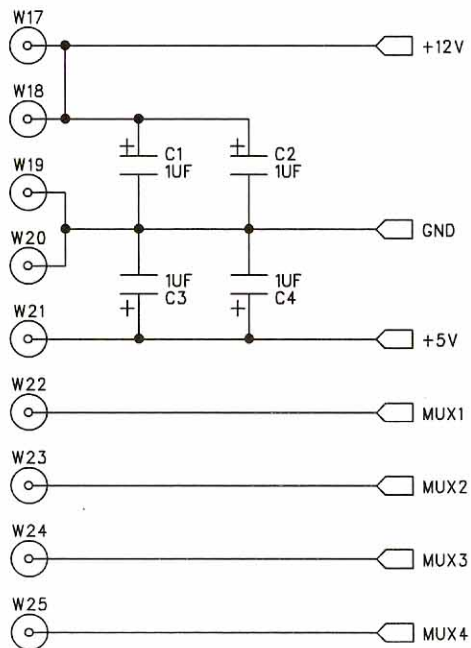
J1-1
J1

B530



B530 REV 1. XXXX

© FROTHINGHAM ELECTRONICS CORP



BANANA PLUGS FOR
INCOMING DUT CONNECTIONS

TITLE B509B MULTIPLEXER RELAYS FOR FEC200

Dwg# SB509B

Rev 1.10

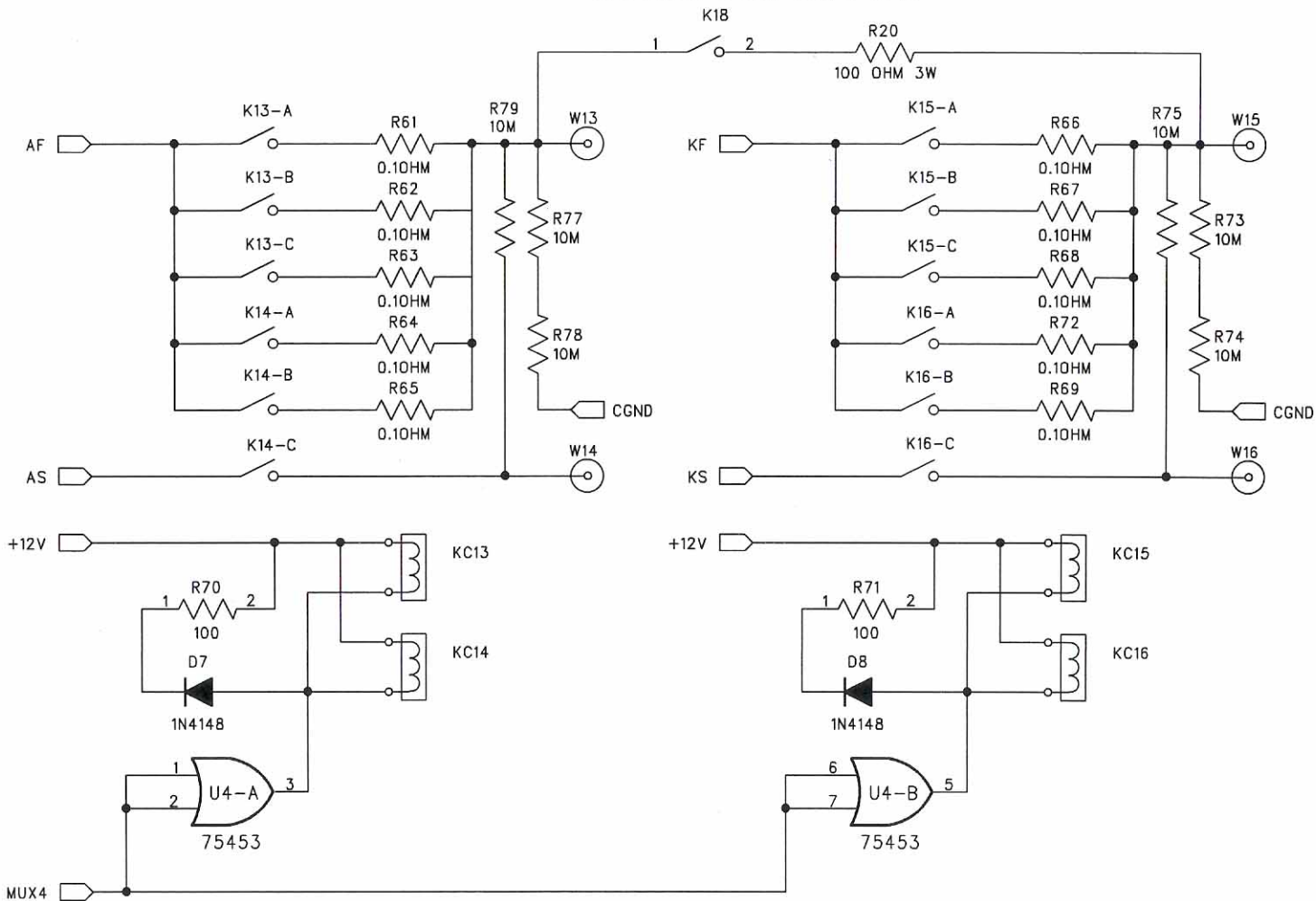
Date 1-14-03

Sheet 5

of 5

FROTHINGHAM ELECTRONICS CORP

OPTIONAL REMOTE MOUNTED REED RELAY
SEE SHEET 3 FOR RELAY COIL



STATION 4

NOTE: W13-W16 TO D.U.T. CONNECTORS

TITLE B509B MULTIPLEXER RELAYS FOR FEC200

Dwg# SB509C

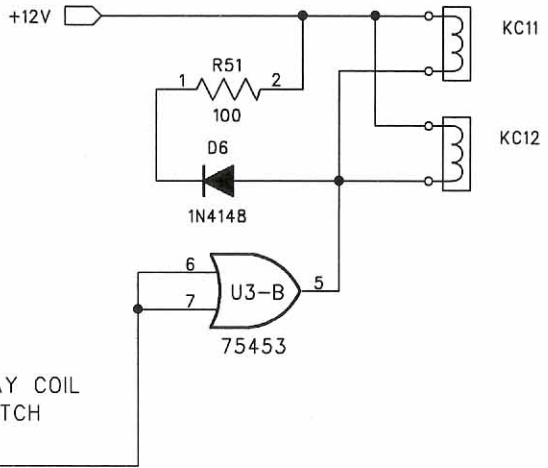
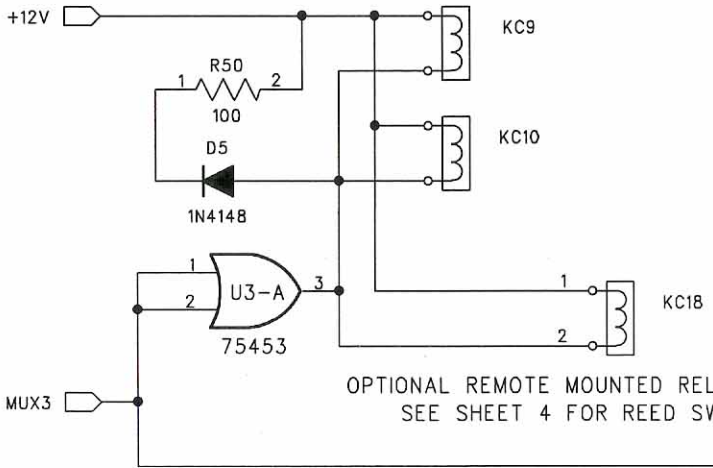
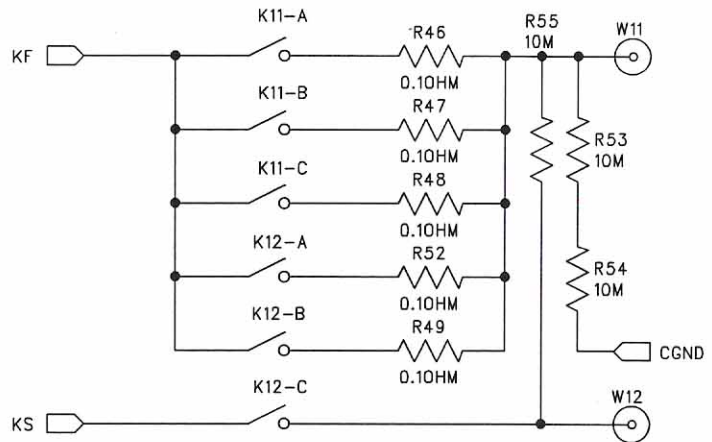
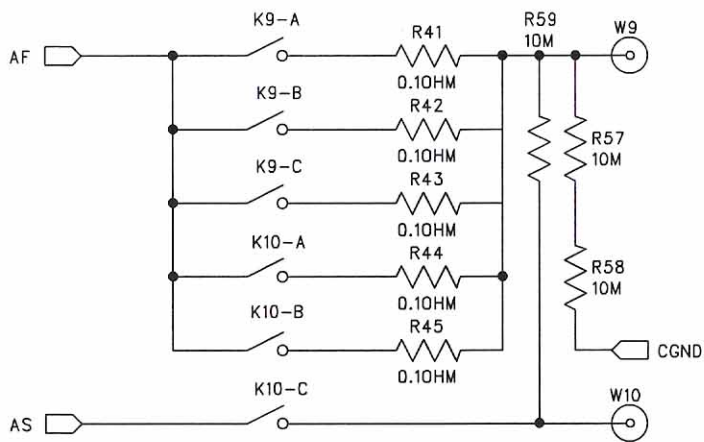
Rev 1.10

Date 1-14-03

Sheet 4

of 5

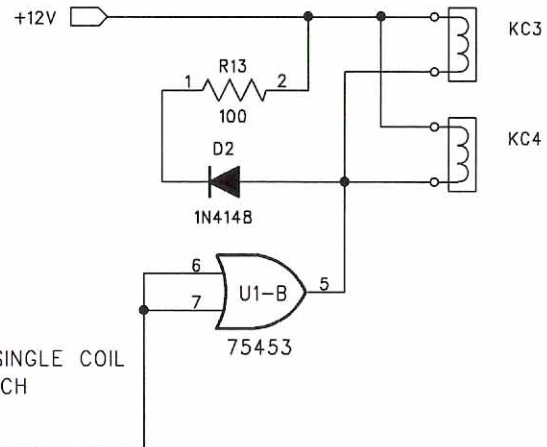
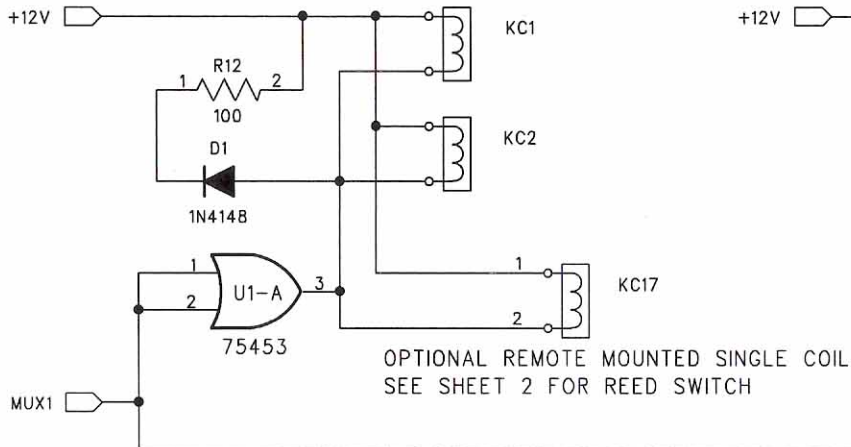
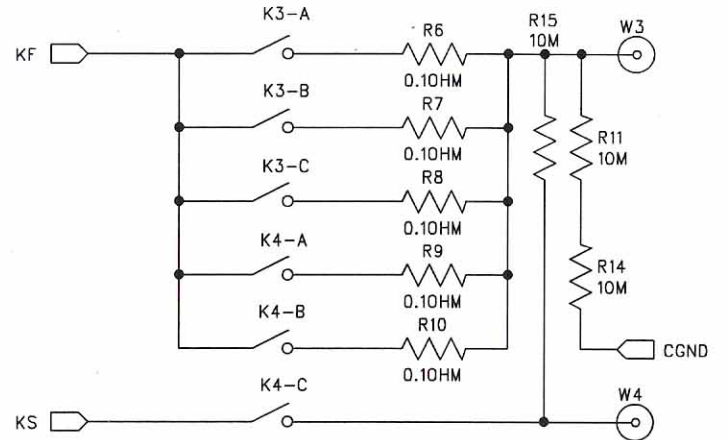
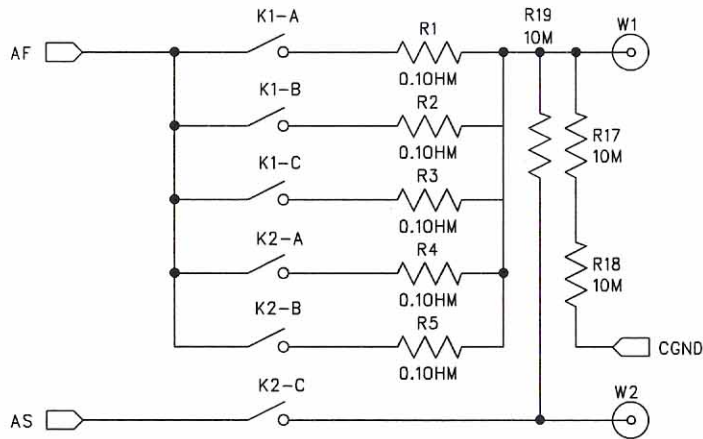
FROTHINGHAM ELECTRONICS CORP



OPTIONAL REMOTE MOUNTED RELAY COIL
SEE SHEET 4 FOR REED SWITCH

STATION 3 NOTE: W9-W12 TO D.U.T. CONNECTORS

TITLE	B509B MULTIPLEXER RELAYS FOR FEC200									
Dwg#	SB509B	Rev	1.10	Date	1-14-03	Sheet	3	of	5	FROTHINGHAM ELECTRONICS CORP



STATION 1

NOTE: W1-W4 TO D.U.T. CONNECTORS

TITLE B509B MULTIPLEXER RELAYS FOR FEC200

Dwg# SB509B

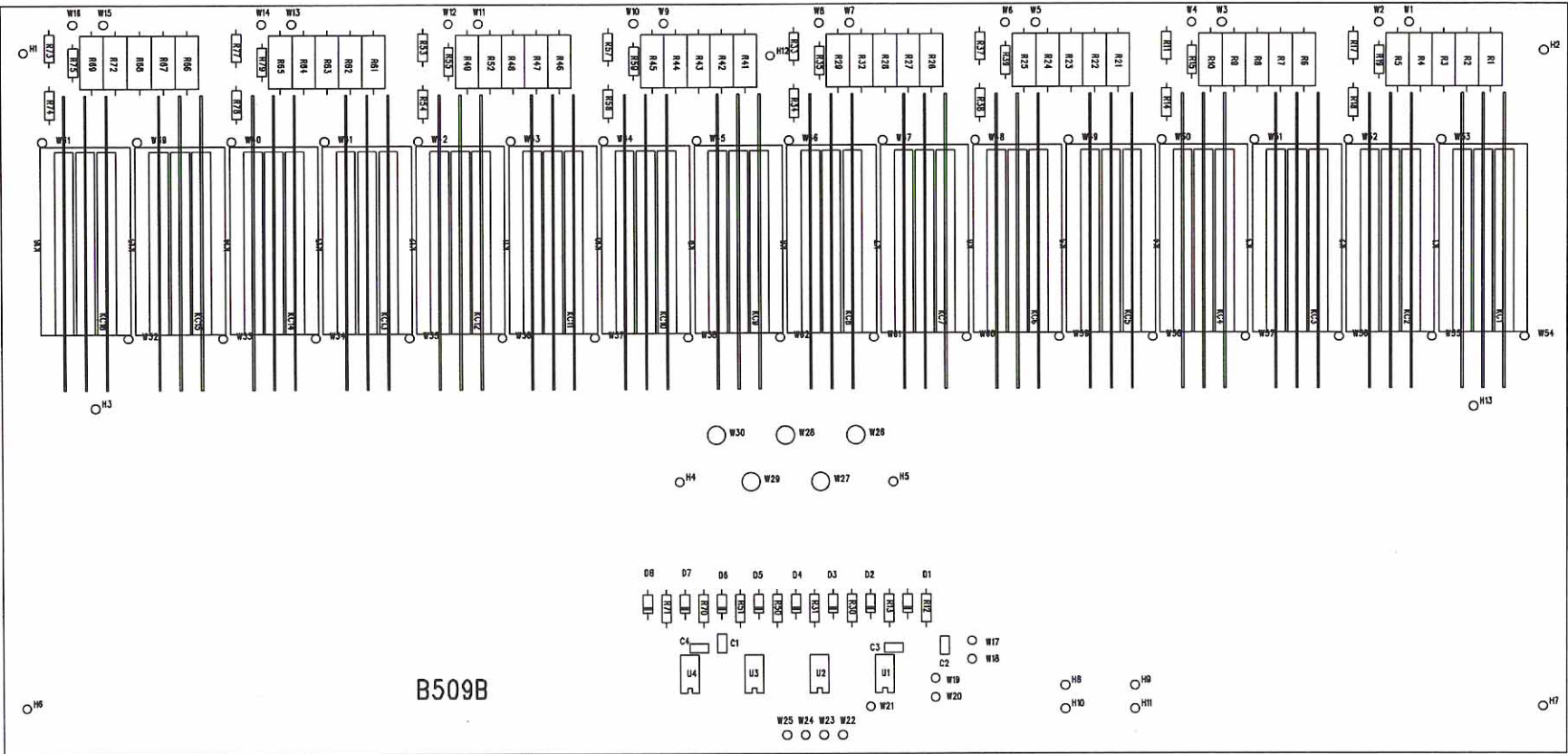
Rev 1.10

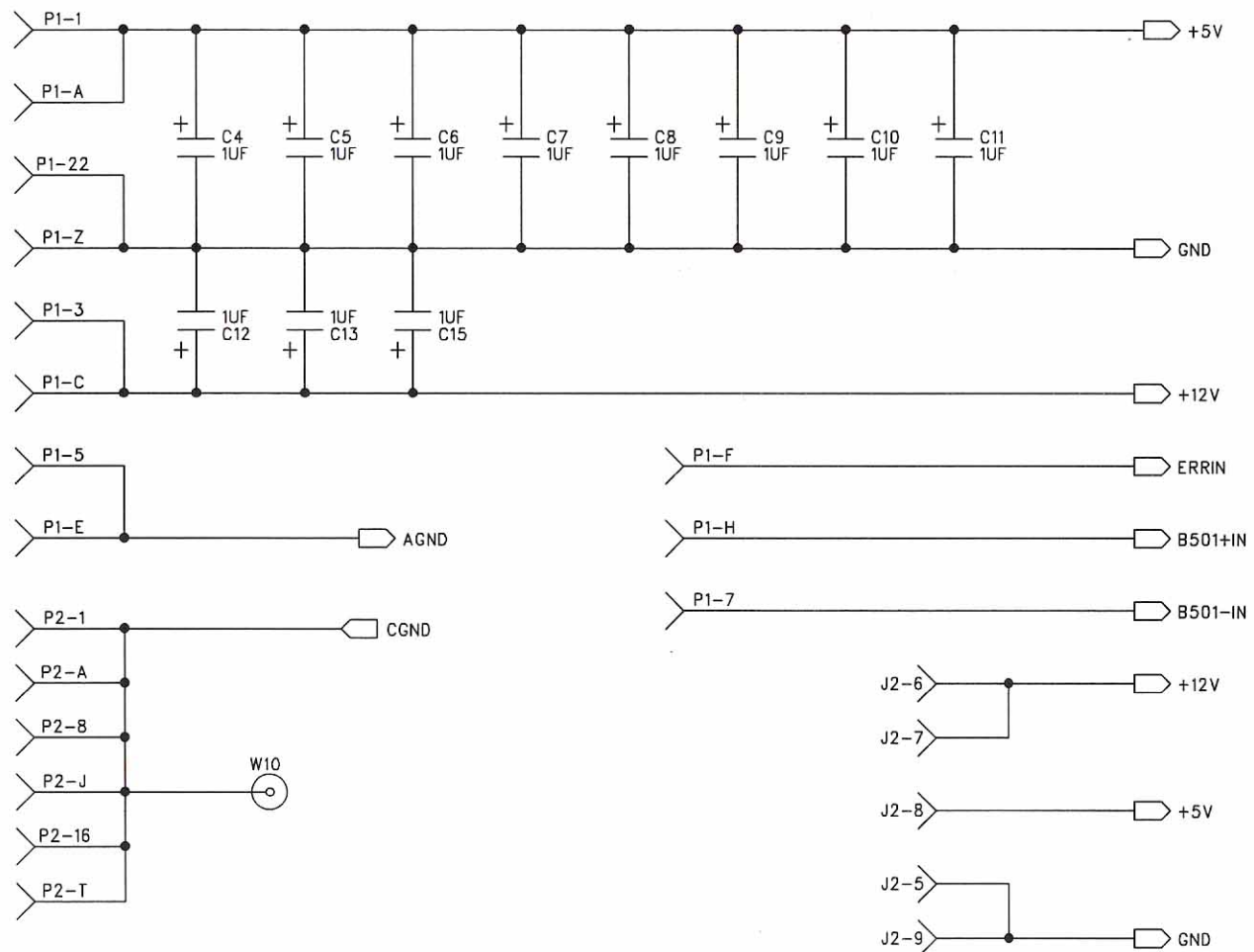
Date 1-14-03

Sheet 1

of 5

FROTHINGHAM ELECTRONICS CORP





TITLE B508C RELAY MATRIX FOR FEC200 DIODE TESTER

Dwg# SB508C

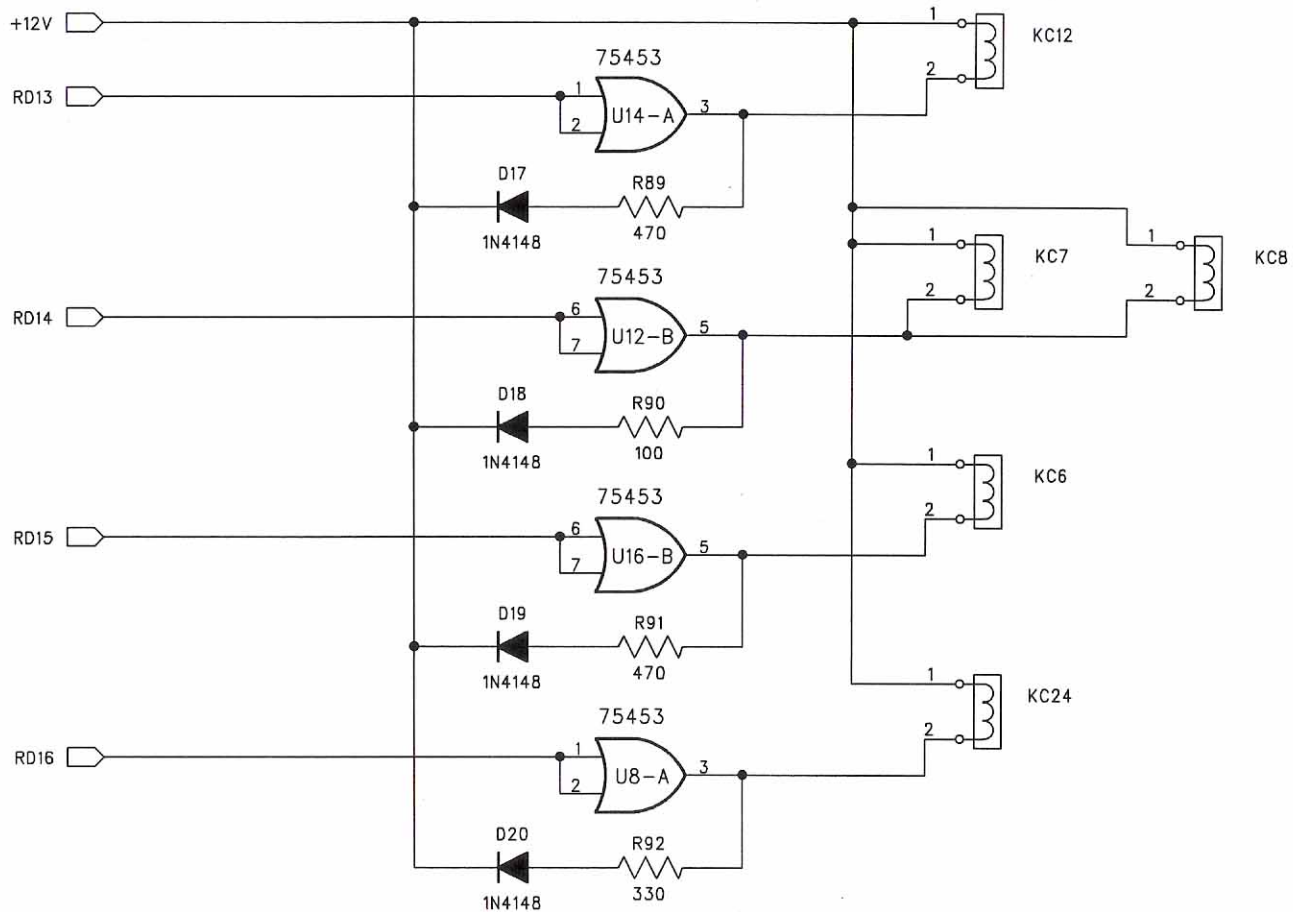
Rev 4.00

Date 8-05-02

Sheet 12

of 12

FROTHINGHAM ELECTRONICS CORP



TITLE B508C RELAY MATRIX FOR FEC200 DIODE TESTER

Dwg# SB508C

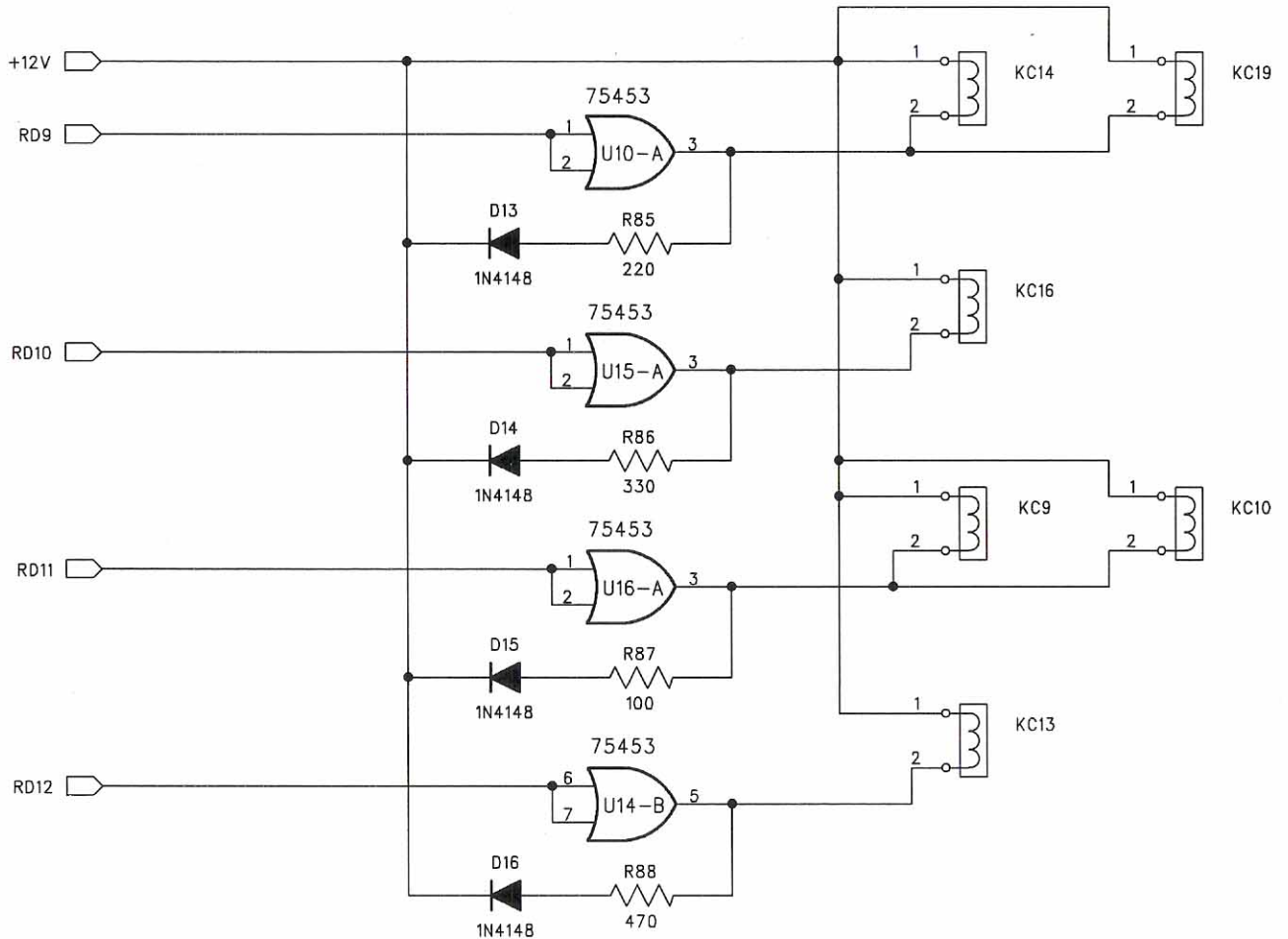
Rev 4.00

Date 8-05-02

Sheet 11

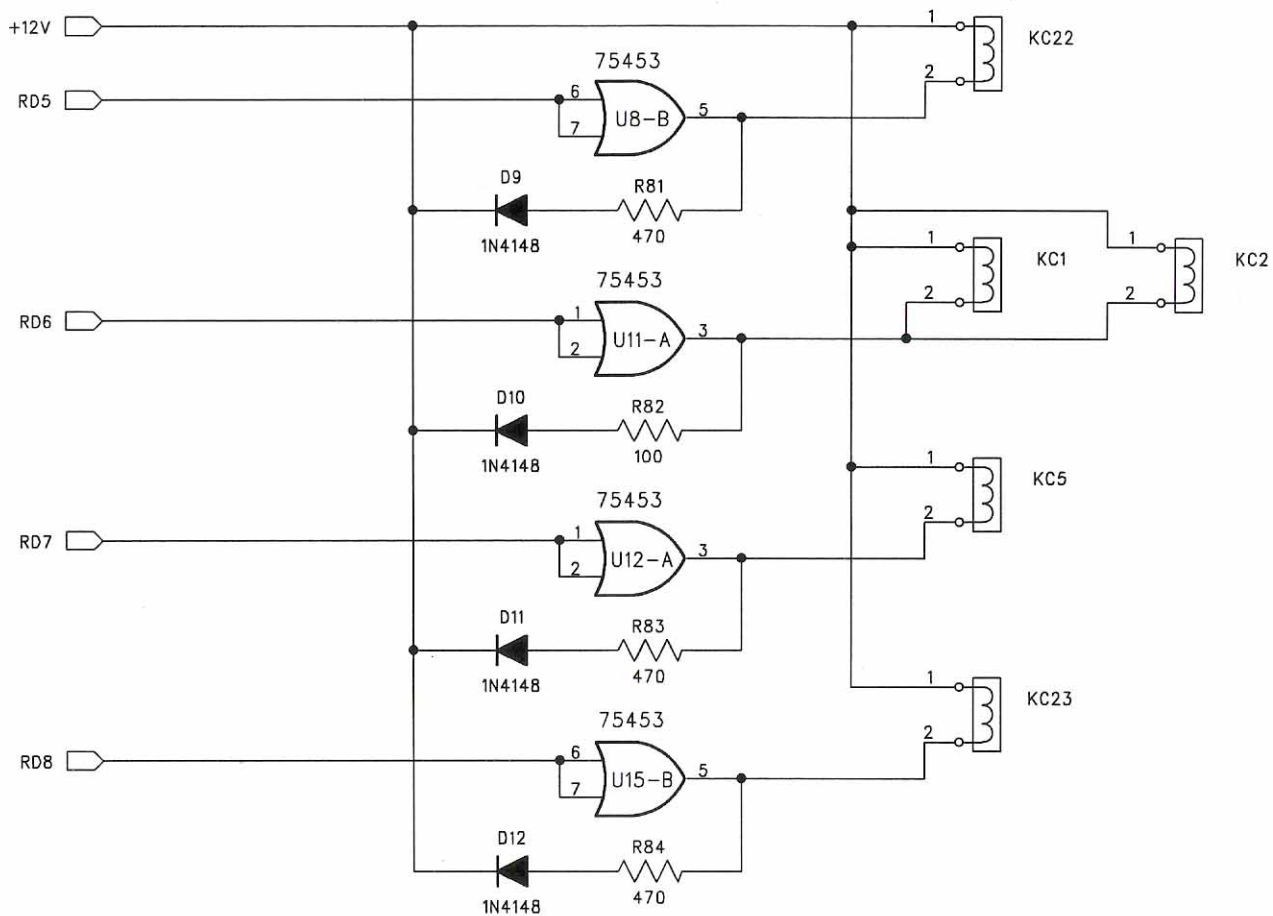
of 12

FROTHINGHAM ELECTRONICS CORP



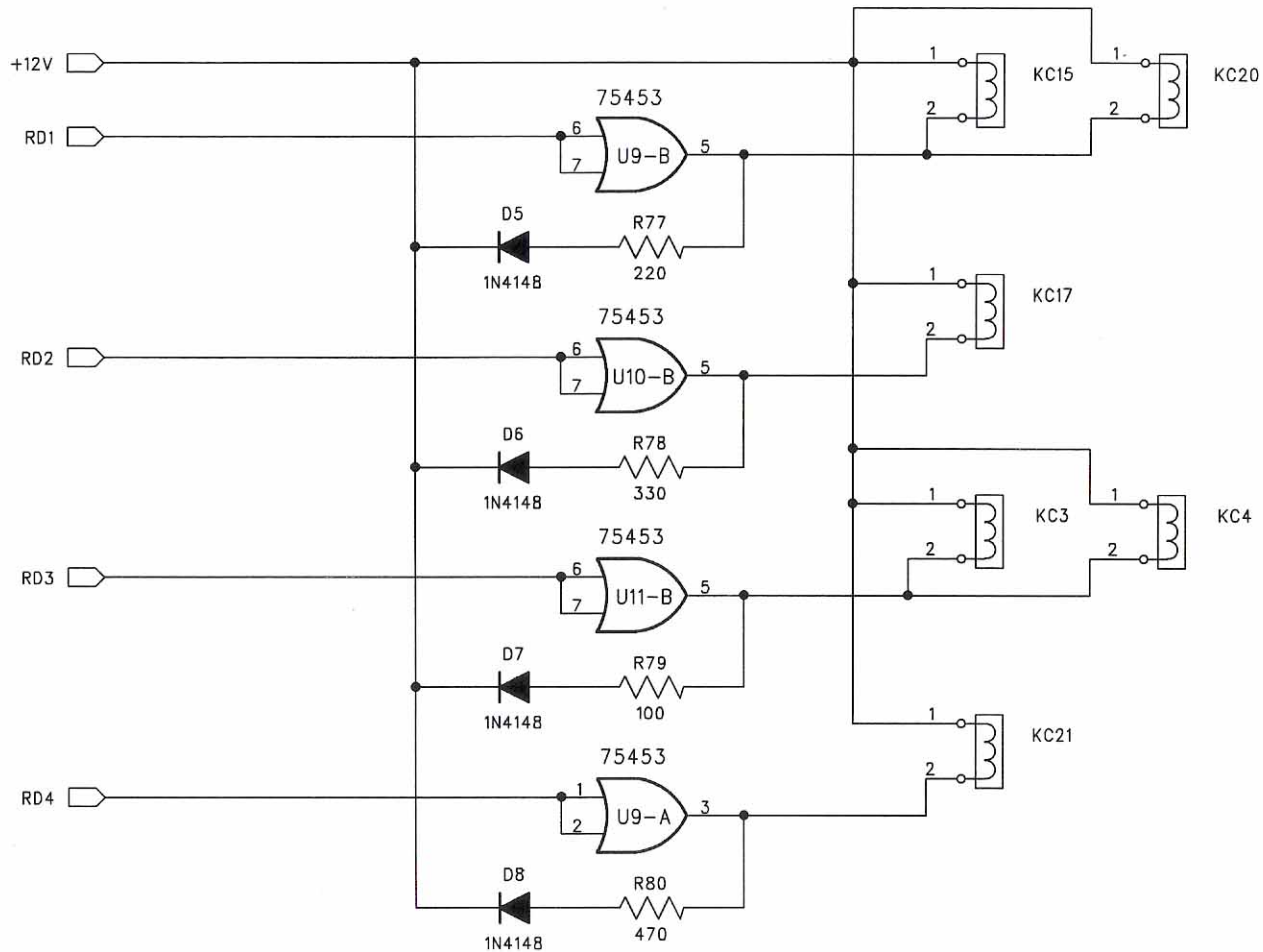
TITLE B508C RELAY MATRIX FOR FEC200 DIODE TESTER

Dwg# SB508C Rev 4.00 Date 8-05-02 Sheet 10 of 12 FROTHINGHAM ELECTRONICS CORP



TITLE B508C RELAY MATRIX FOR FEC200 DIODE TESTER

Dwg# SB508C Rev 4.00 Date 8-05-02 Sheet 9 of 12 FROTHINGHAM ELECTRONICS CORP



TITLE B508C RELAY MATRIX FOR FEC200 DIODE TESTER

Dwg# SB508C

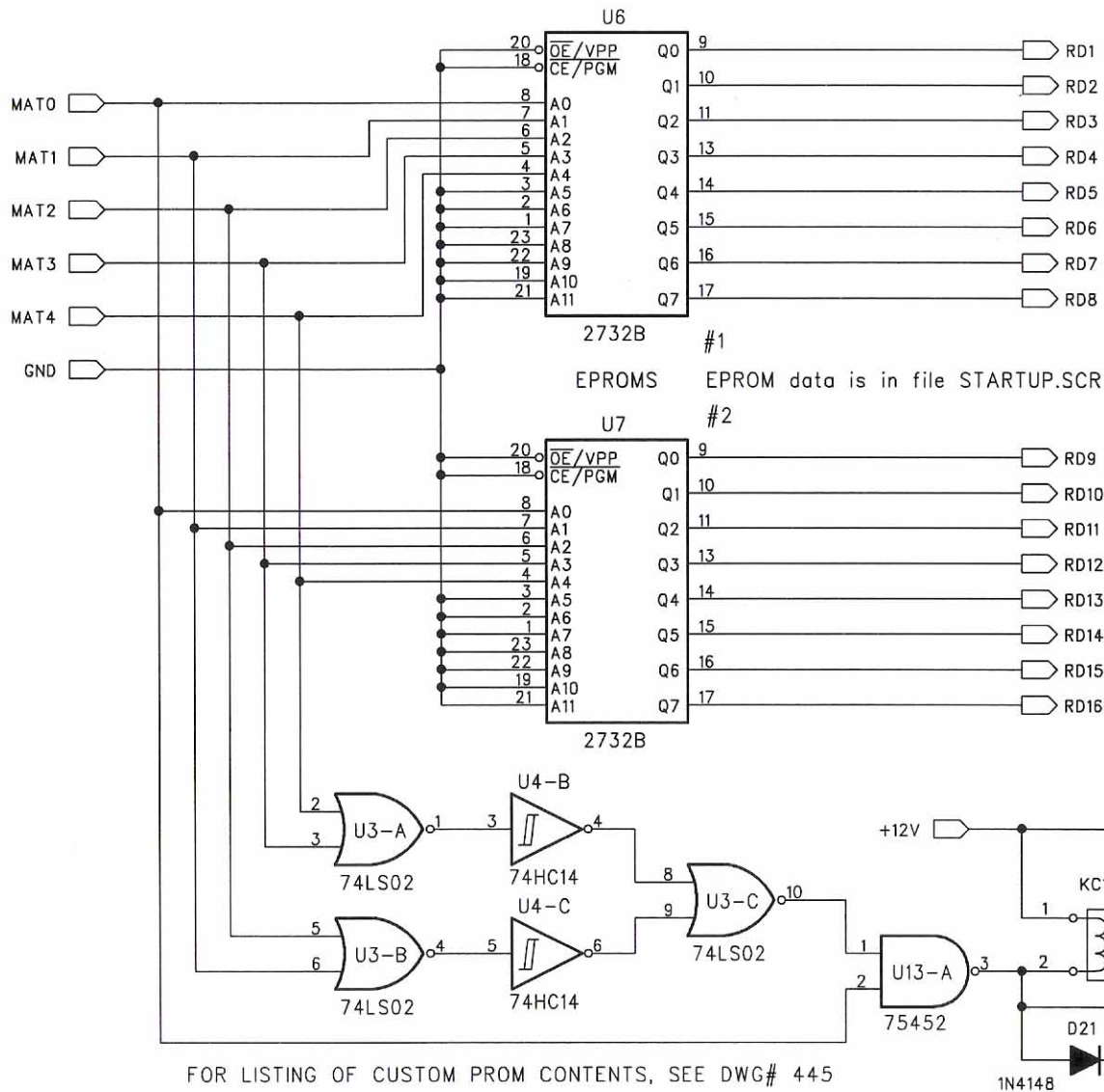
Rev 4.00

Date 8-05-02

Sheet 8

of 12

FROTHINGHAM ELECTRONICS CORP

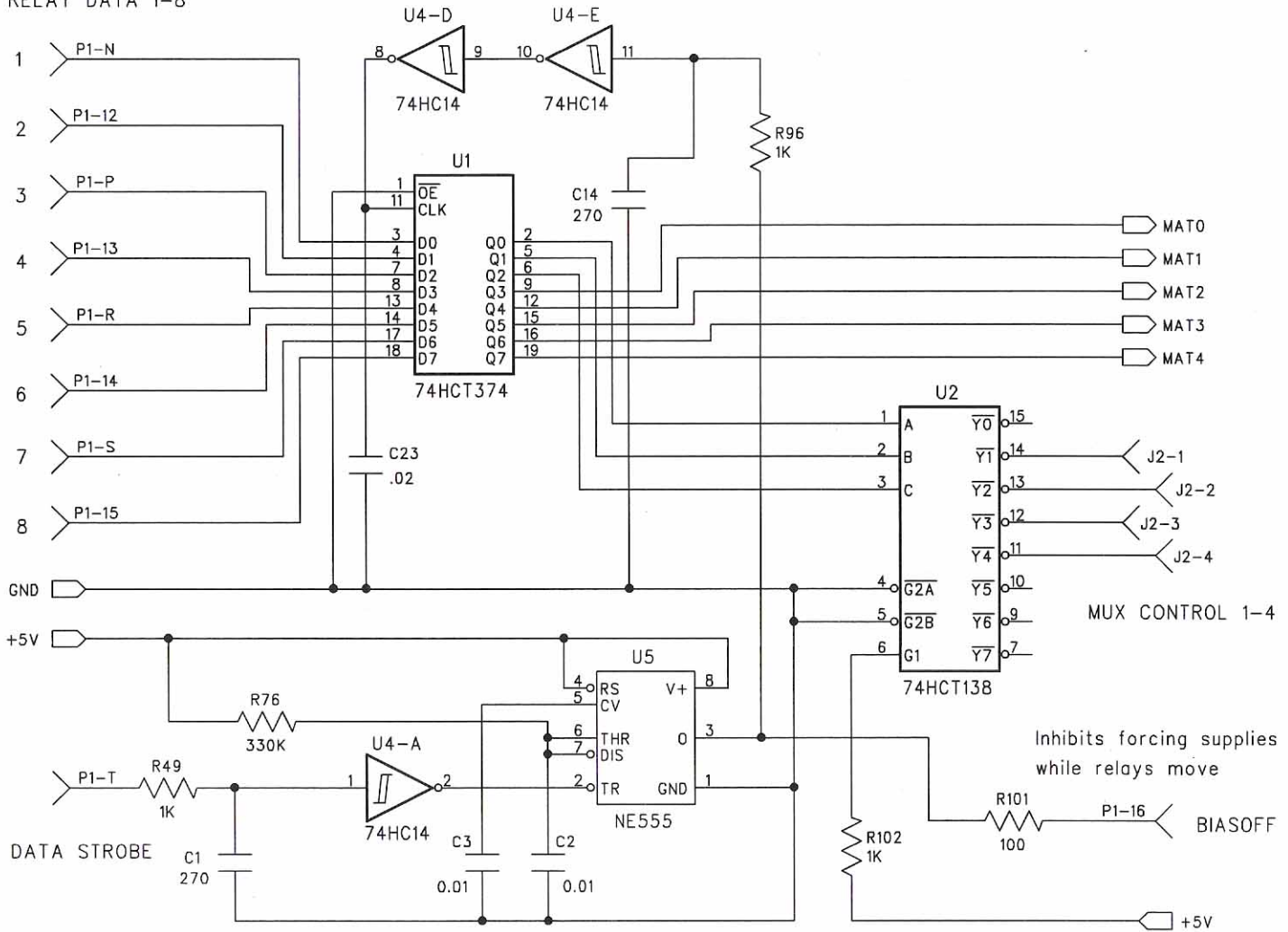


FOR LISTING OF CUSTOM PROM CONTENTS, SEE DWG# 445

TITLE B508C RELAY MATRIX FOR FEC200 DIODE TESTER

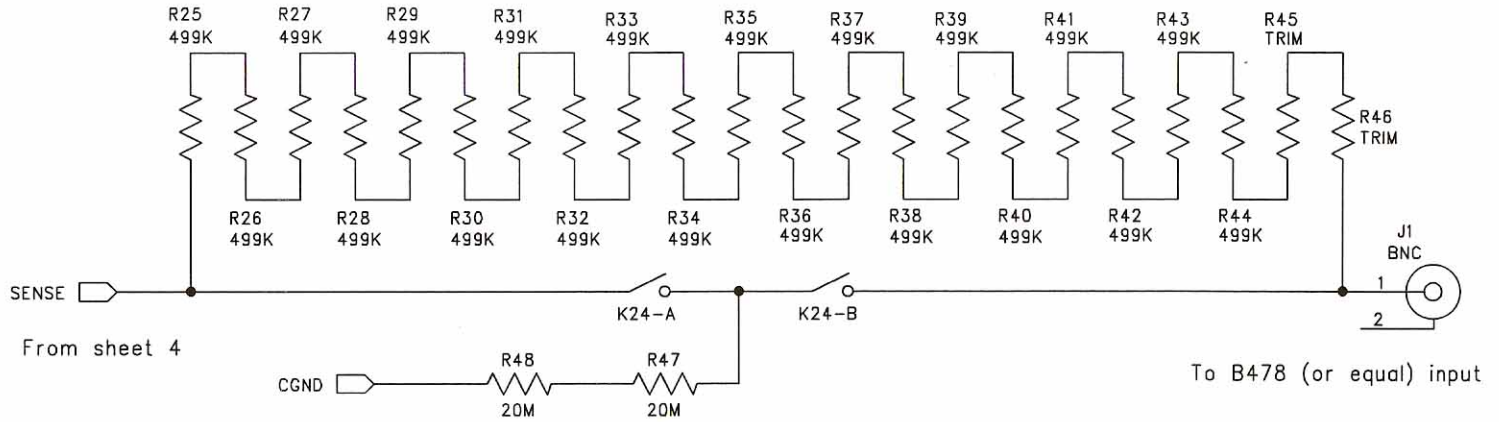
Dwg# SB508C Rev 4.00 Date 8-05-02 Sheet 7 of 12 FROTHINGHAM ELECTRONICS CORP

RELAY DATA 1-8

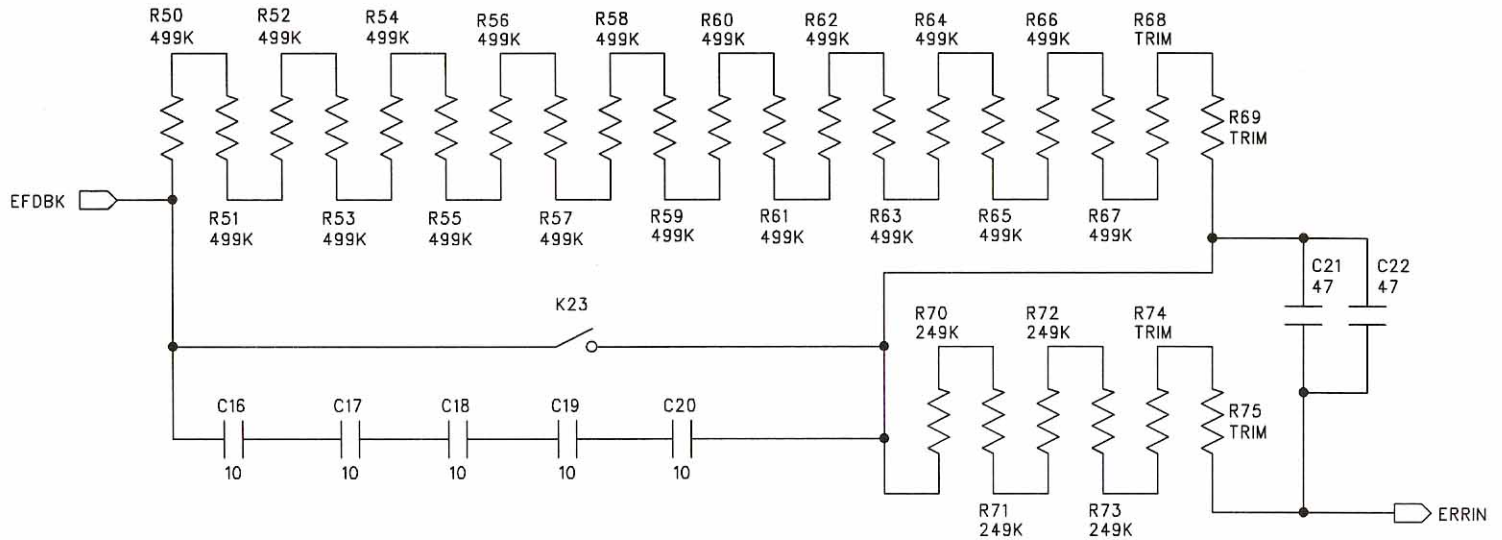


Voltage scaling resistor for use with 2KV supply only.

SELECT TRIMS TO ADJUST TOTAL VALUE TO 10.000M 0.03%



SELECT TRIMS TO ADJUST TOTAL VALUE TO 9.000M 0.05%

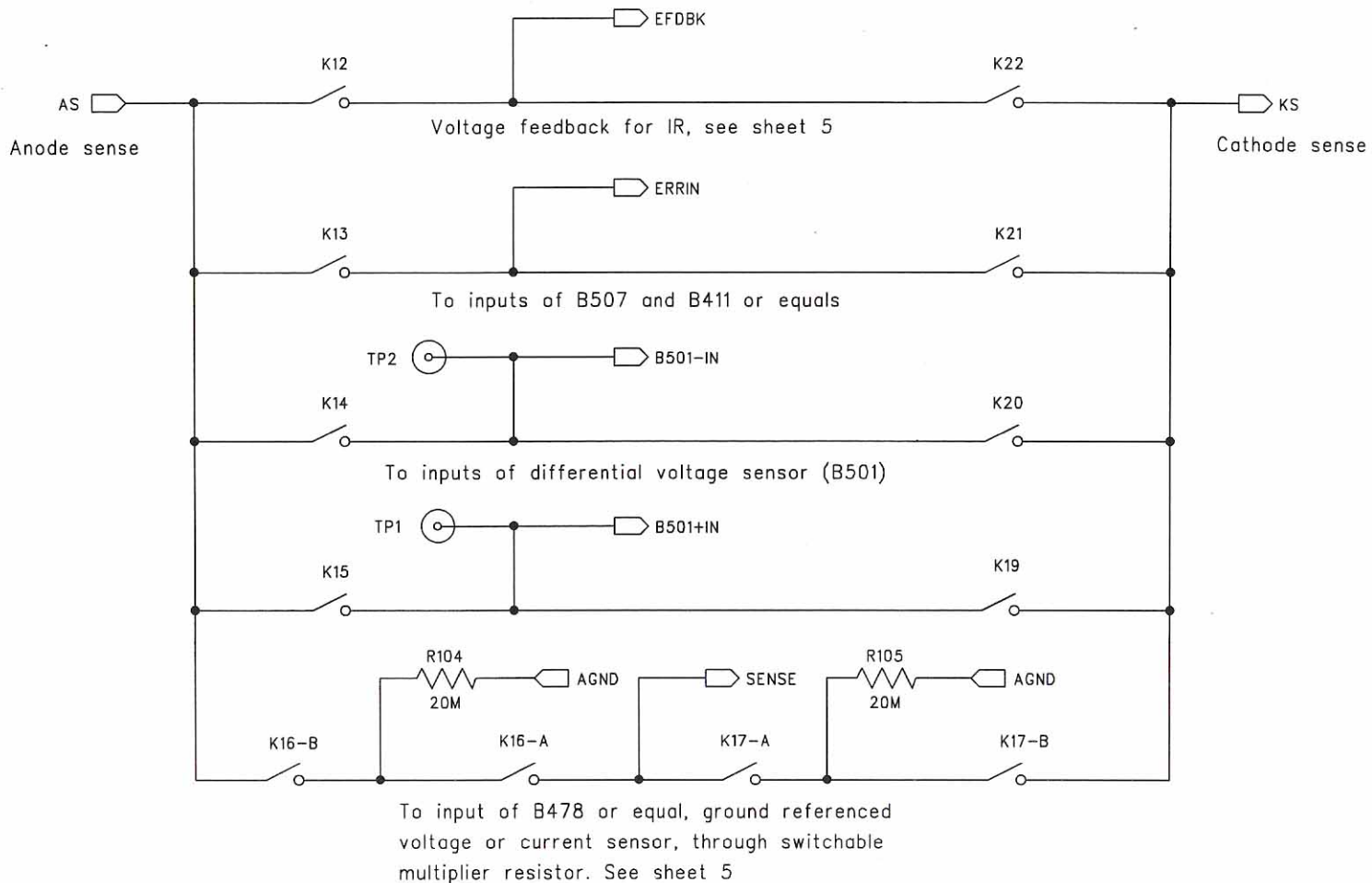


SELECT TRIMS TO ADJUST TOTAL VALUE TO 1.0000M 0.05%

To inputs of B507 and B411 or equals

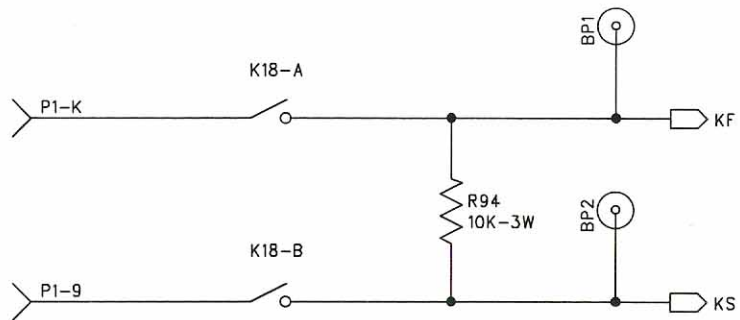
TITLE B508C RELAY MATRIX FOR FEC200 DIODE TESTER

Dwg# SB508C Rev 3 Date 8-05-02 Sheet 5 of 12 FROTHINGHAM ELECTRONICS CORP

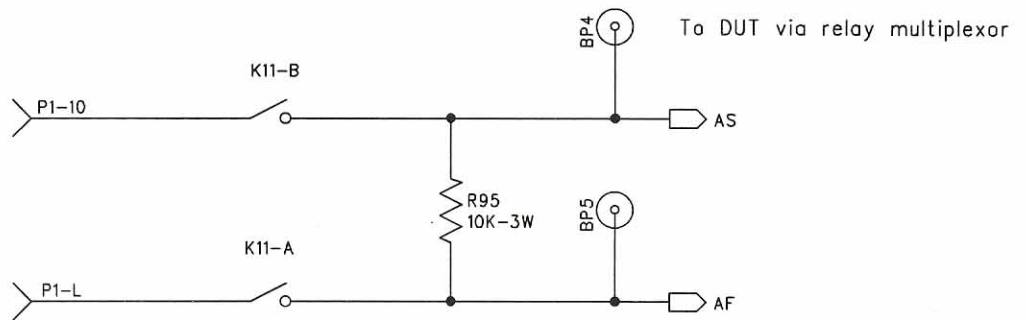


TITLE | B508CRELAY MATRIX FOR FEC200 DIODE TESTER

Dwg# SB508C | Rev 4.00 | Date 8-05-02 | Sheet 4 | of 12 | FROTHINGHAM ELECTRONICS CORP



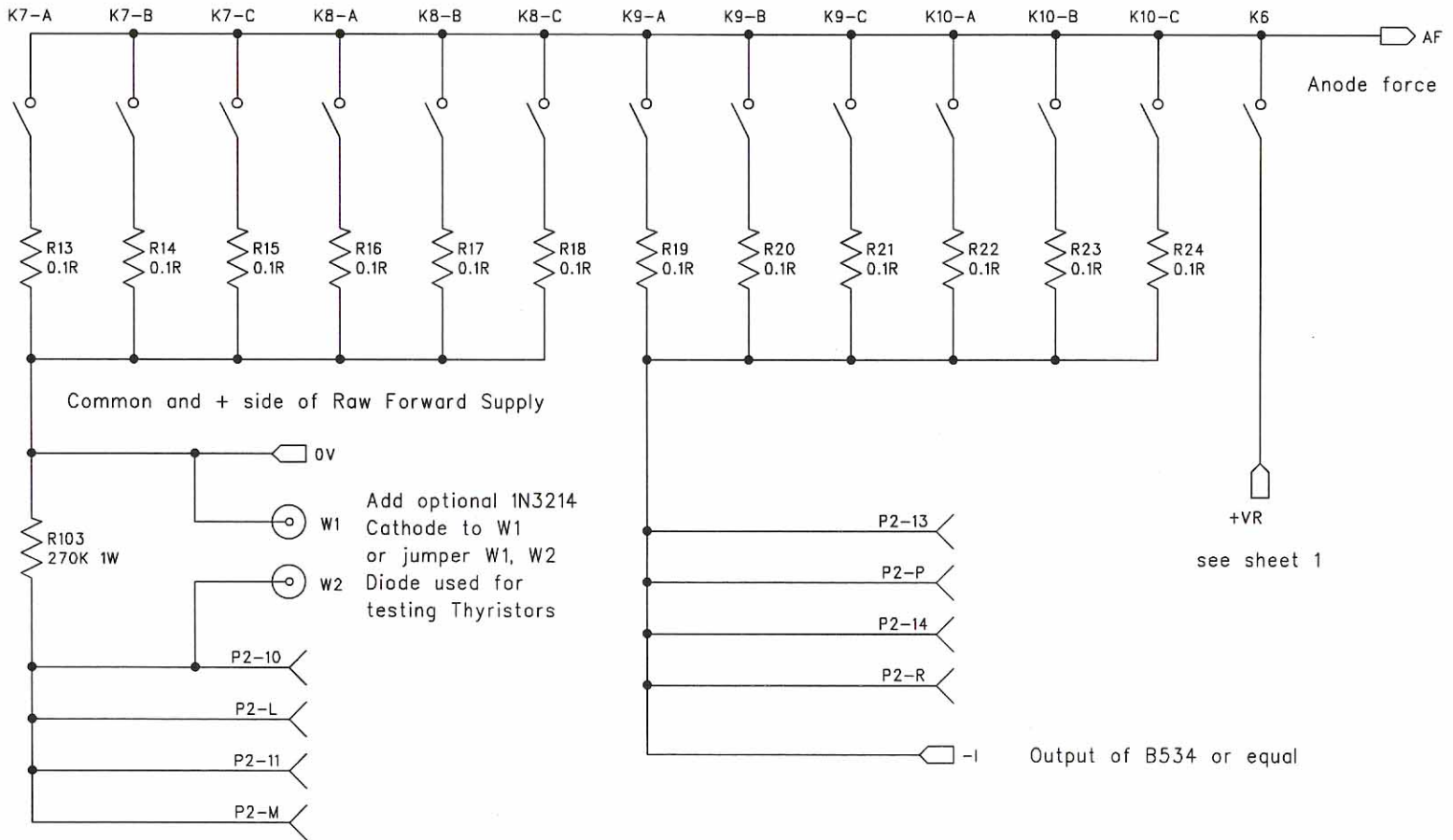
POLARITY SENSOR
B368 or equal



Binding posts
for connecting to multiplexor relay board

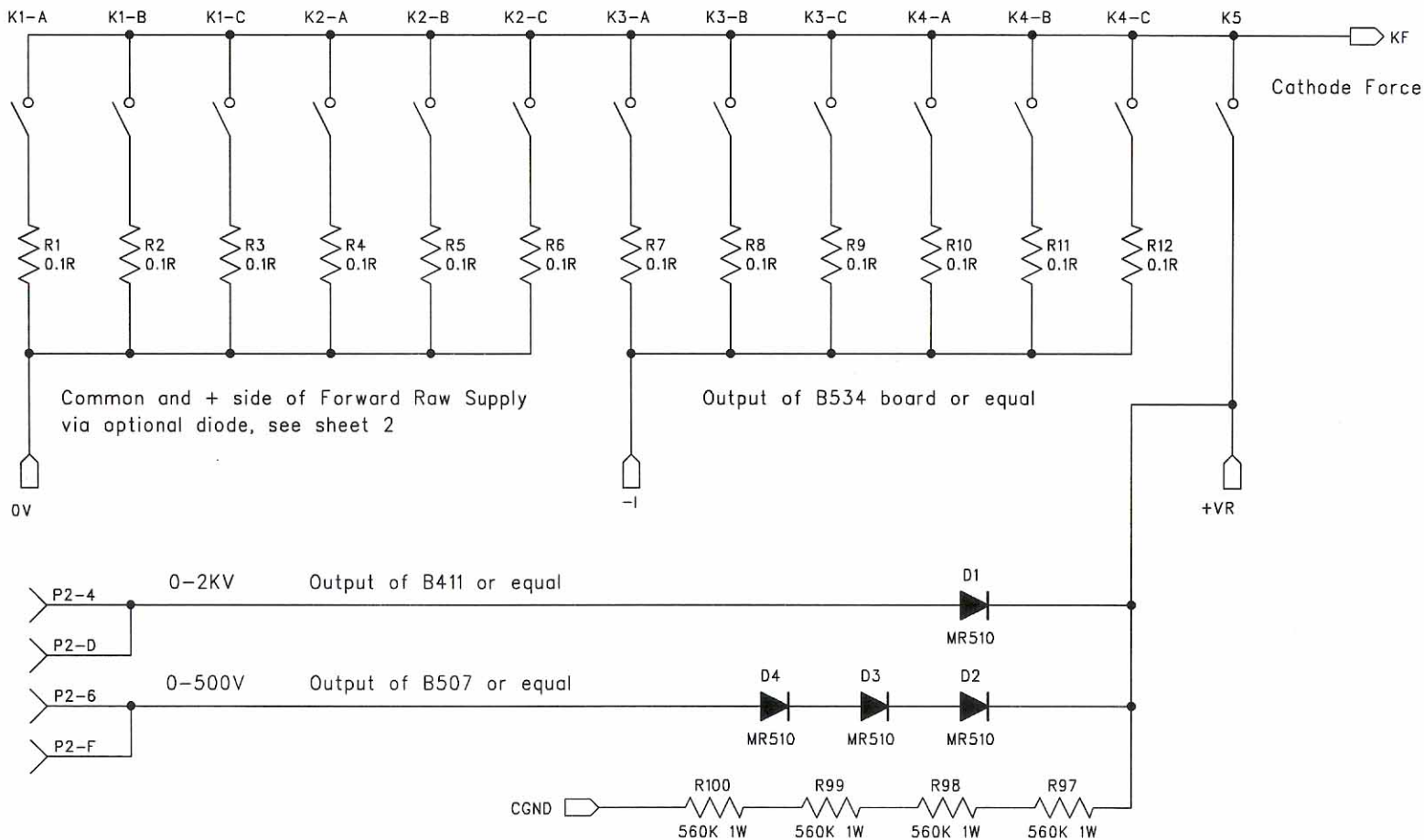
TITLE | B508C RELAY MATRIX FOR FEC200 DIODE TESTER

Dwg# SB508C | Rev 4.00 | Date 8-05-02 | Sheet 3 | of 12 | FROTHINGHAM ELECTRONICS CORP



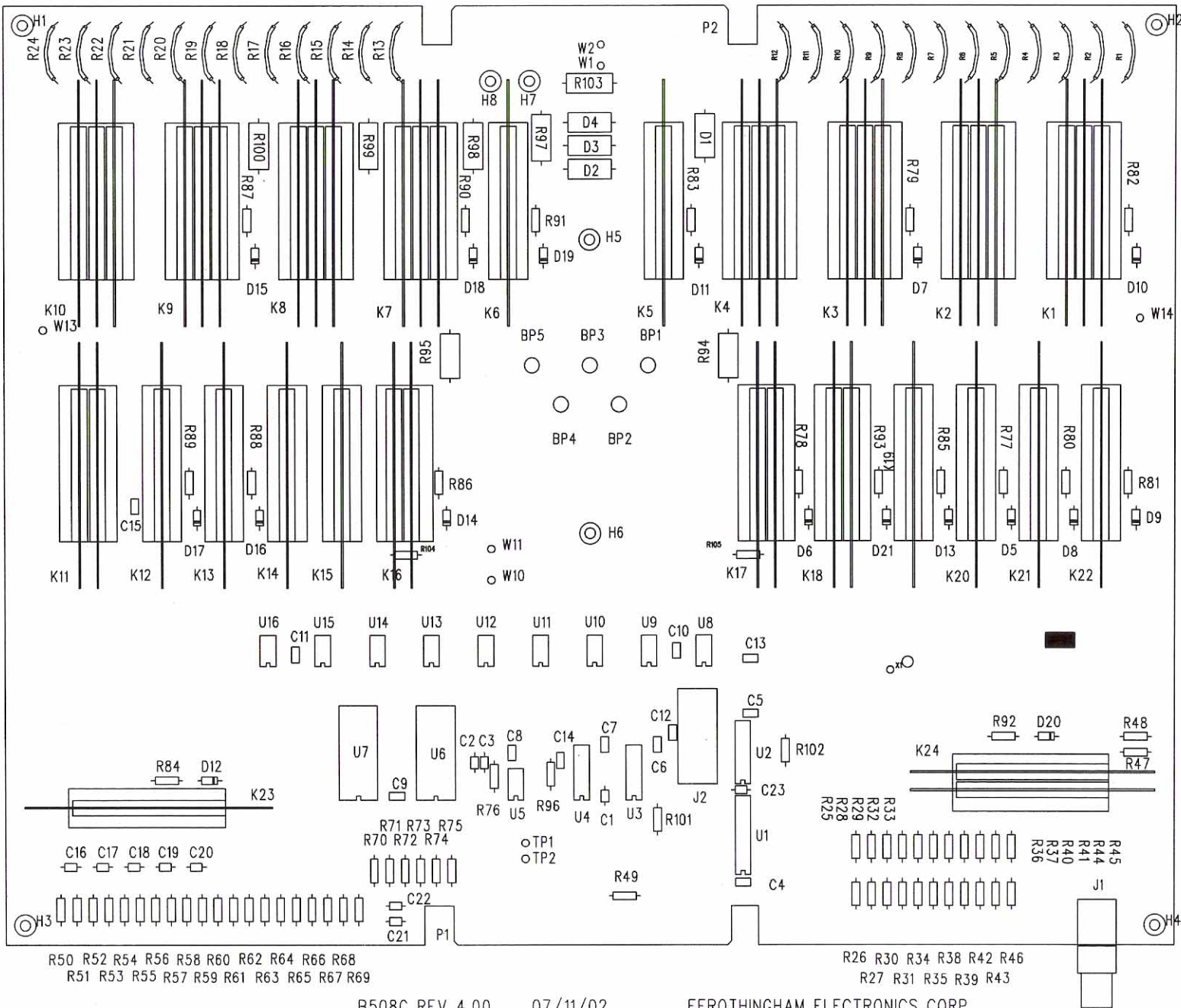
TITLE B508C RELAY MATRIX FOR FEC200 DIODE TESTER

Dwg# SB508C Rev 4.00 Date 8-05-02 Sheet 2 of 12 FROTHINGHAM ELECTRONICS CORP



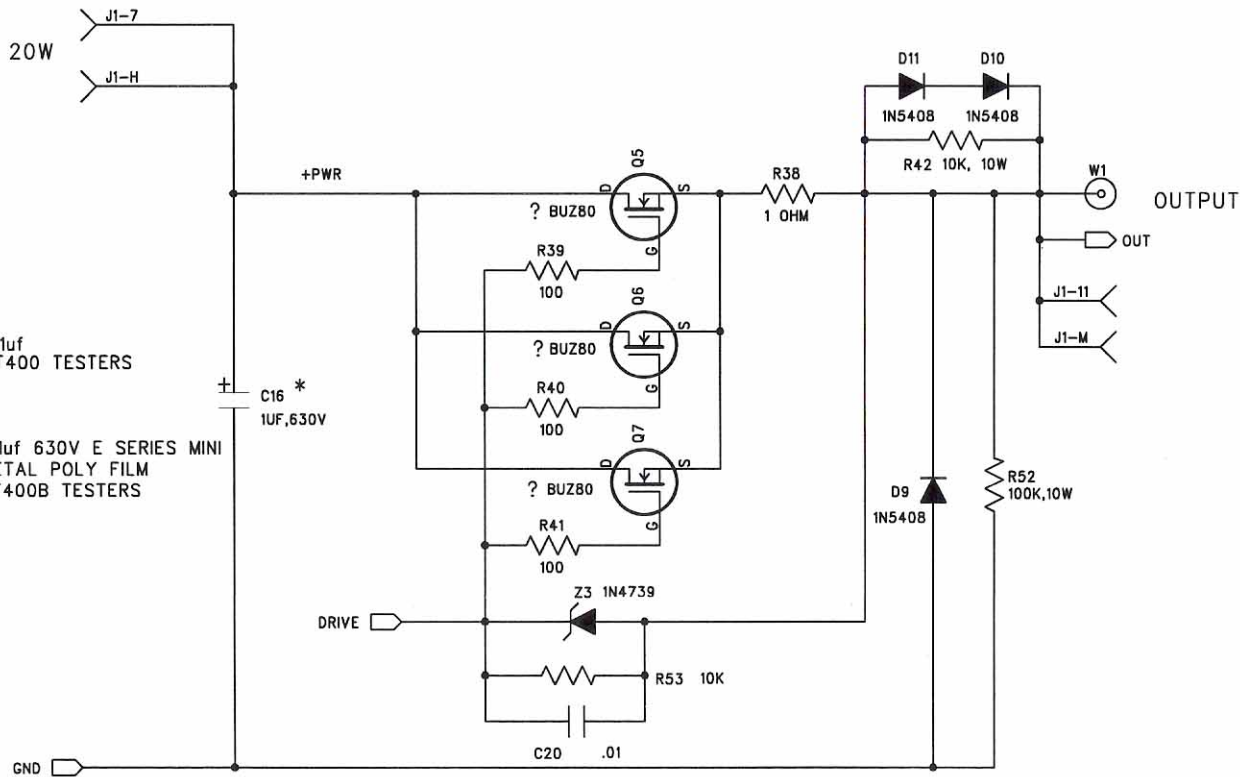
TITLE B508C RELAY MATRIX FOR FEC200 DIODE TESTER

Dwg# SB508C Rev 4.00 Date 8-05-02 Sheet 1 of 12 FROTHINGHAM ELECTRONICS CORP



R50 R52 R54 R56 R58 R60 R62 R64 R66 R68
 R51 R53 R55 R57 R59 R61 R63 R65 R67 R69

R26 R30 R34 R38 R42 R46
 R27 R31 R35 R39 R43



POWER OUTPUT STAGE

TITLE B507B +500V FORCING SUPPLY CONTROL

Dwg# SB507B

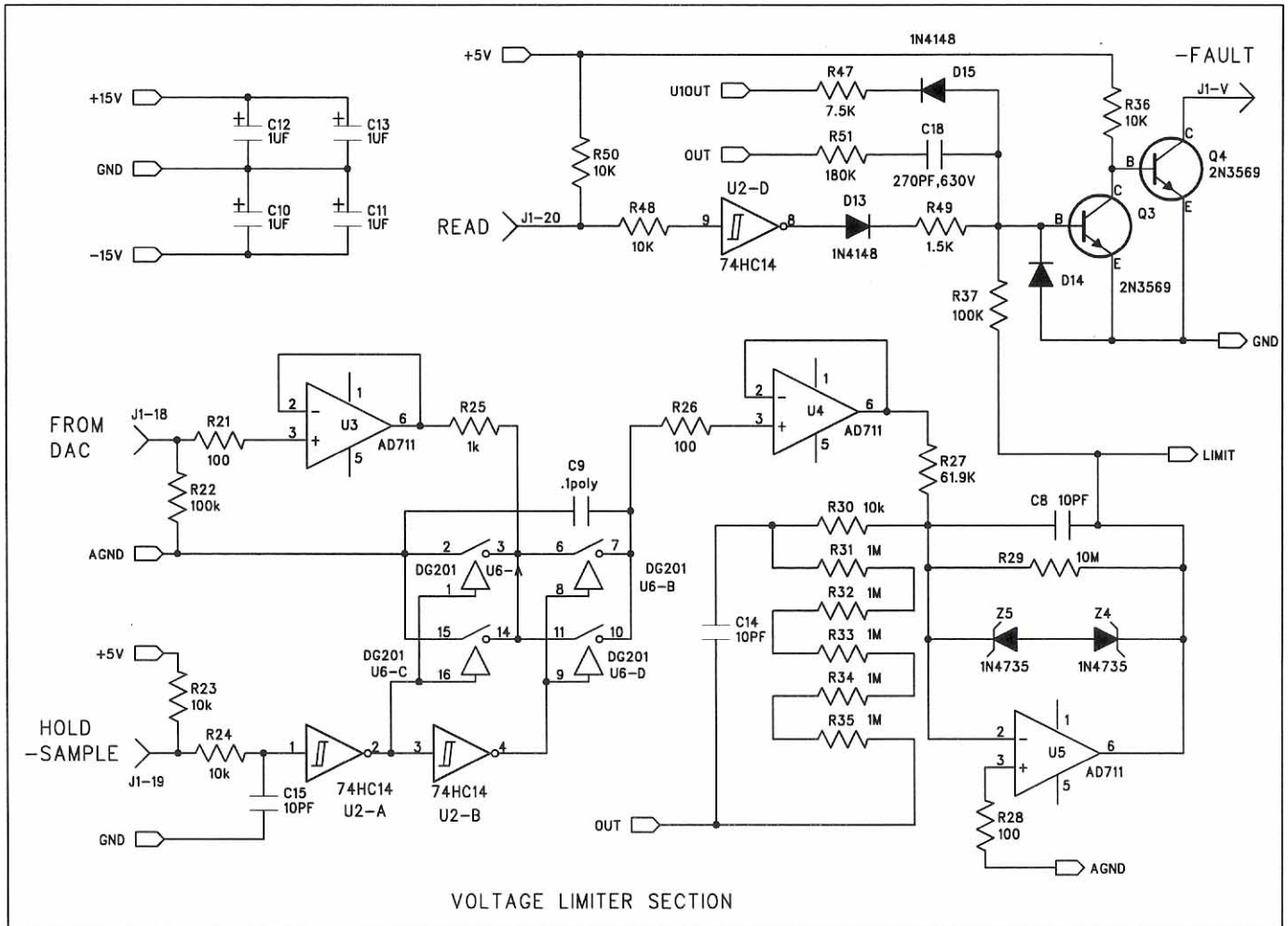
Rev 1.02

Date 02/01/05

Sheet 3

of 3

FROTHINGHAM ELECTRONICS CORP

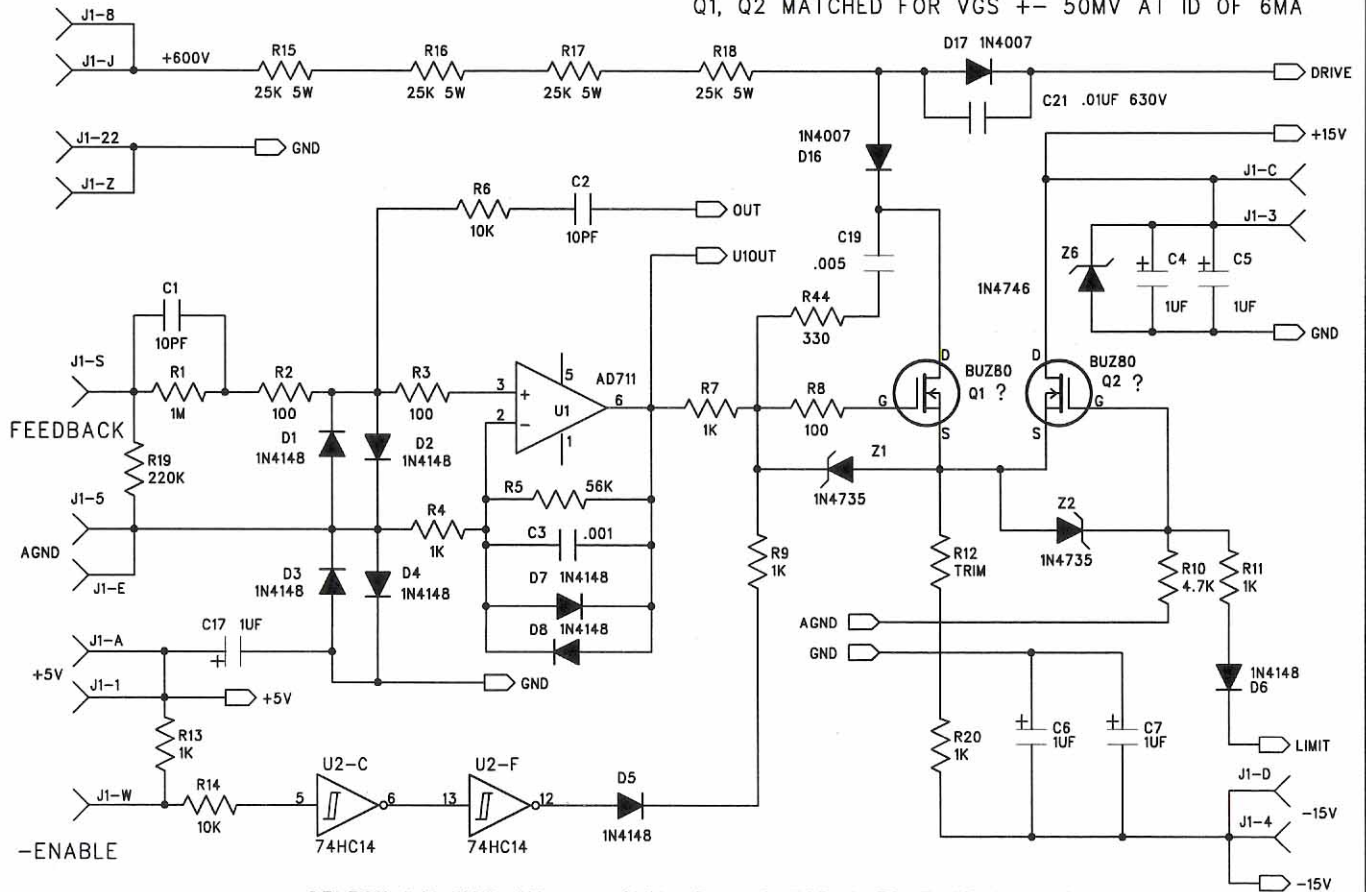


VOLTAGE LIMITER SECTION

TITLE	B507B +500V FORCING SUPPLY CONTROL				
Dwg# SB507B	Rev 1.02	Date 02/01/05	Sheet 2	of 3	FROTHINGHAM ELECTRONICS CORP

? = BT400B USES IRFBG20, 5 PLACES

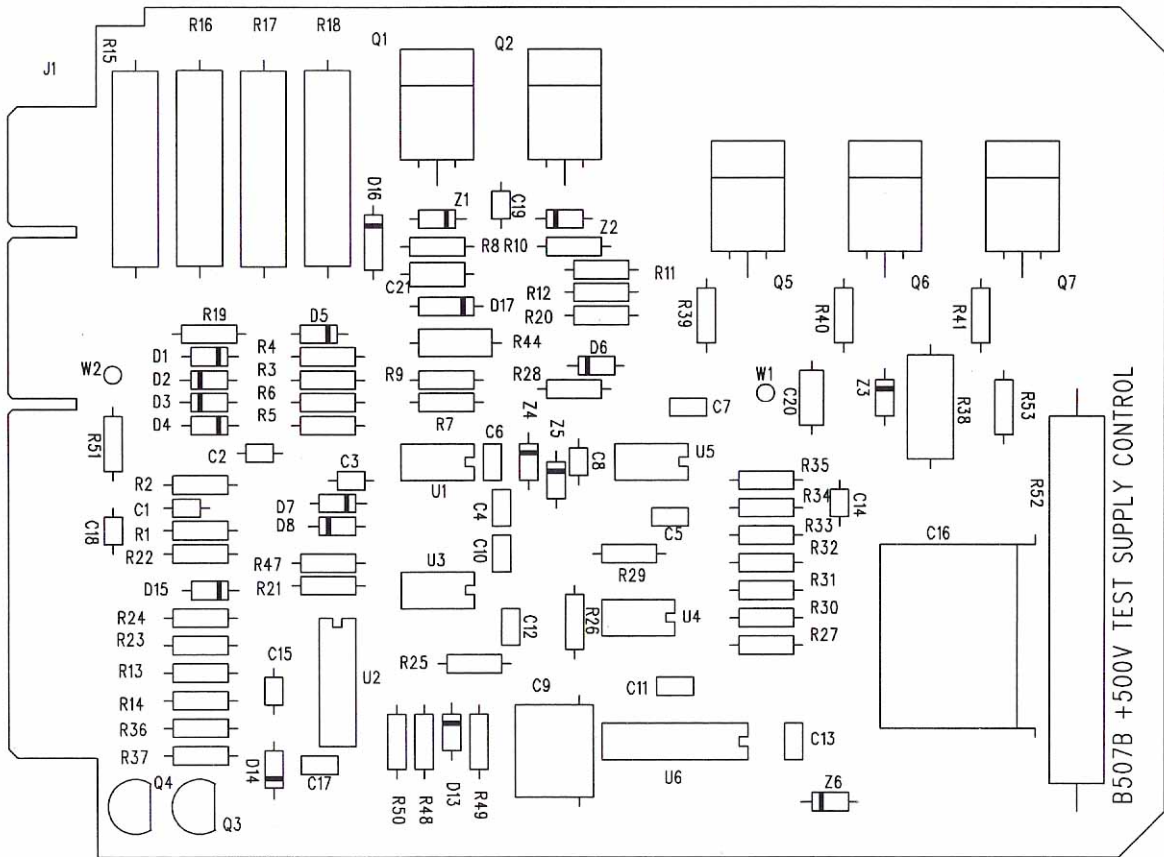
Q1, Q2 MATCHED FOR VGS +/- 50MV AT ID OF 6MA



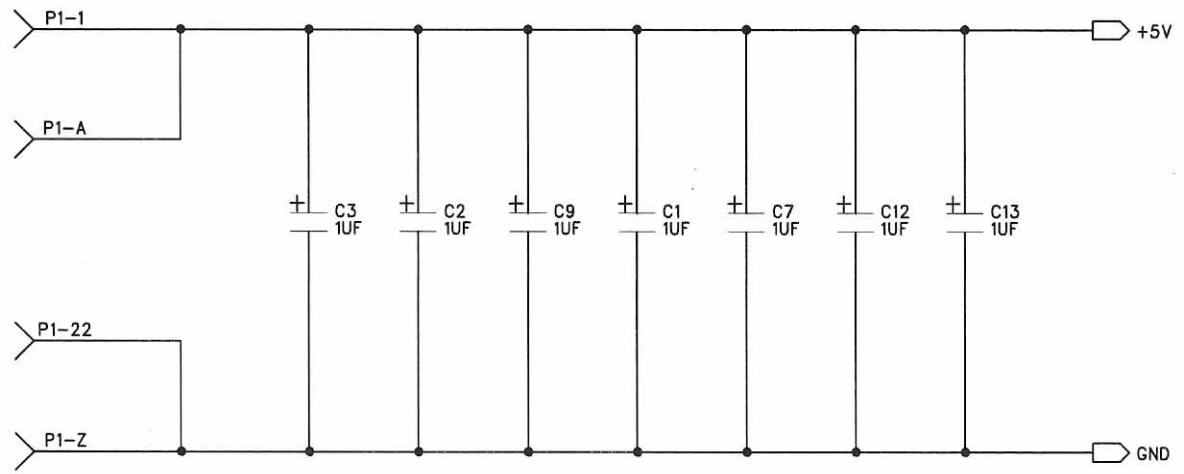
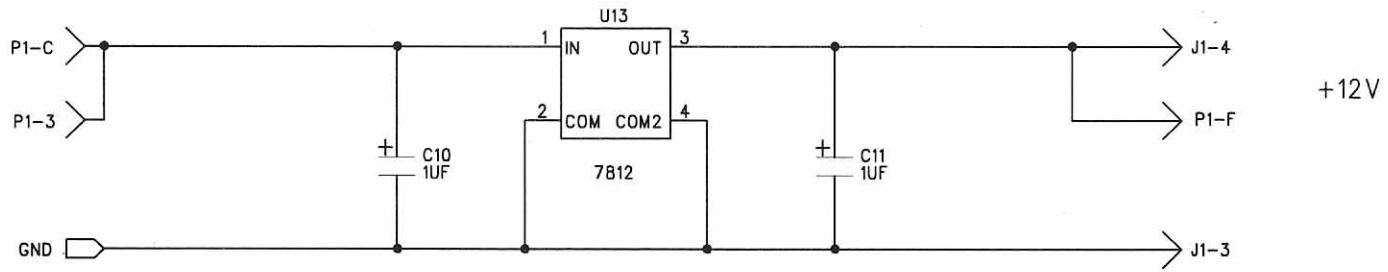
SELECT R12 FOR 0V +/- 2MV AT J1-S FOR OUTPUT OF 6V AND 10MA

TITLE B507B +500V FORCING SUPPLY CONTROL

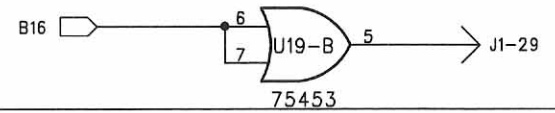
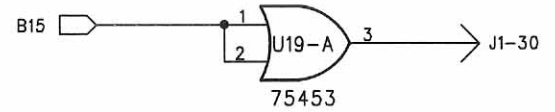
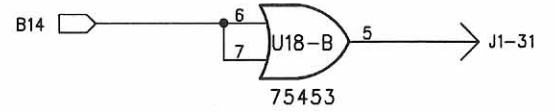
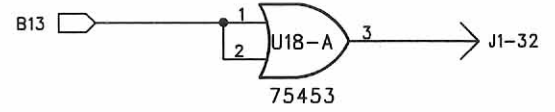
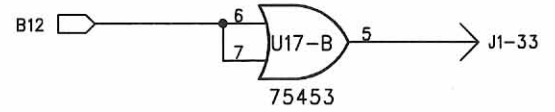
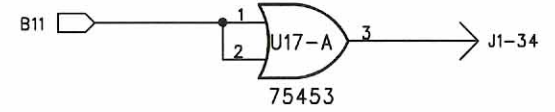
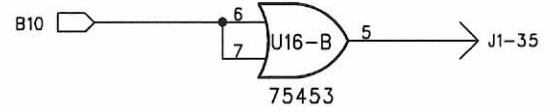
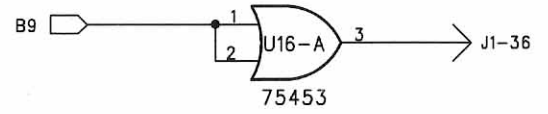
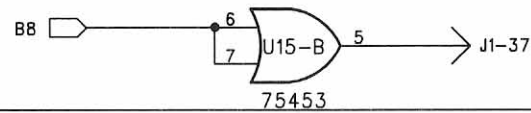
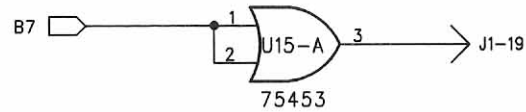
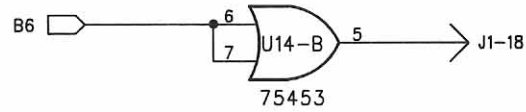
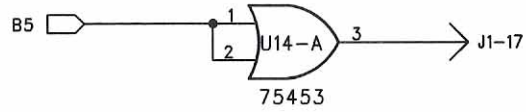
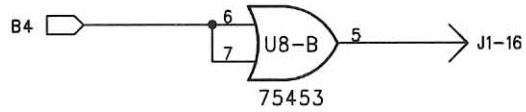
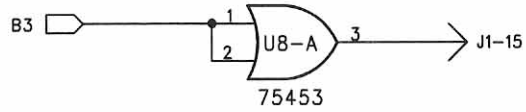
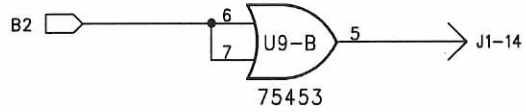
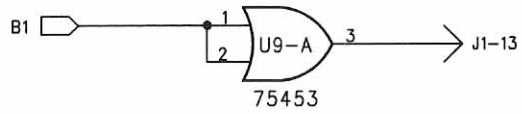
Dwg# SB507B Rev 1.02 Date 02/01/05 Sheet 1 of 3 FROTHINGHAM ELECTRONICS CORP



B507B +500V TEST SUPPLY CONTROL



TITLE	B502A STATION INTERFACE DRIVER				
Dwg# SB502A	Rev 1.00	Date 09-10-99	Sheet 6	of 6	FROTHINGHAM ELECTRONICS CORP



TITLE B502A STATION INTERFACE DRIVER

Dwg# SB502A

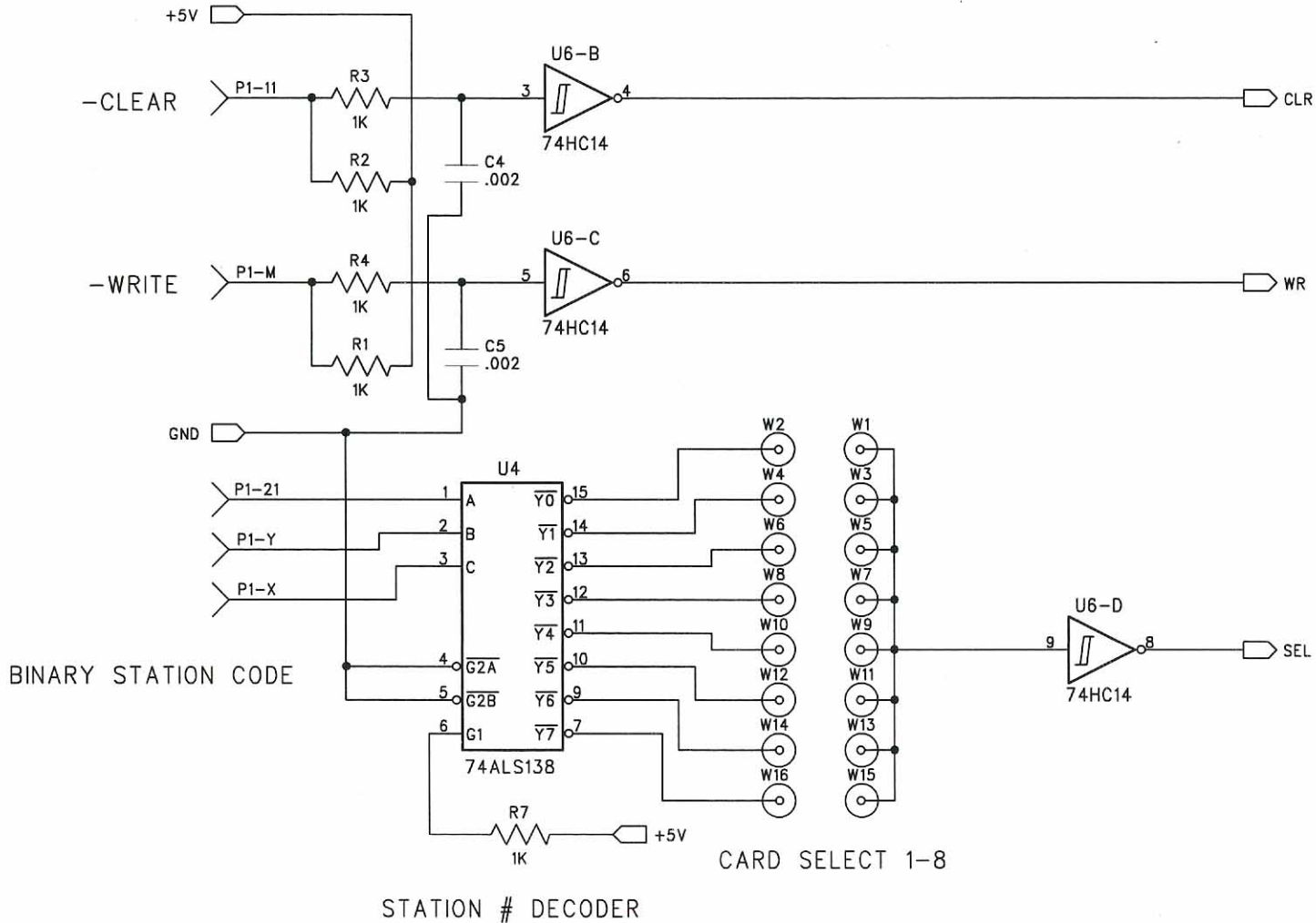
Rev 1.00

Date 09-10-99

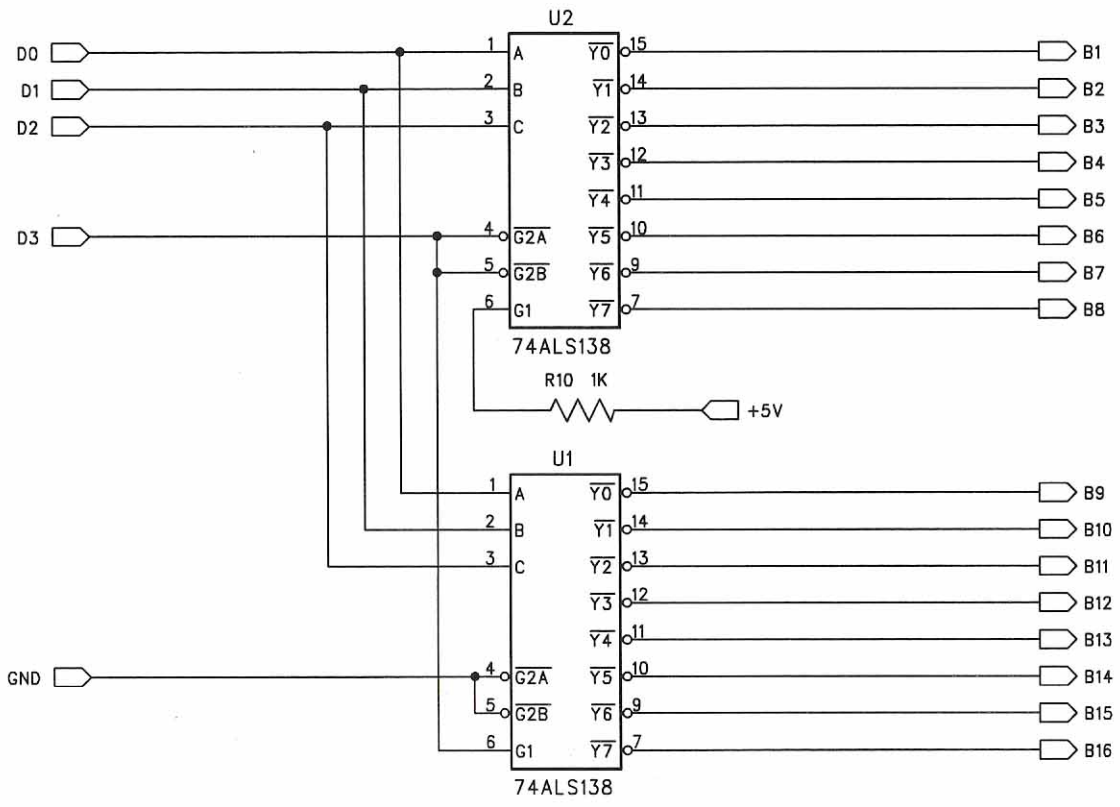
Sheet 5

of 6

FROTHINGHAM ELECTRONICS CORP

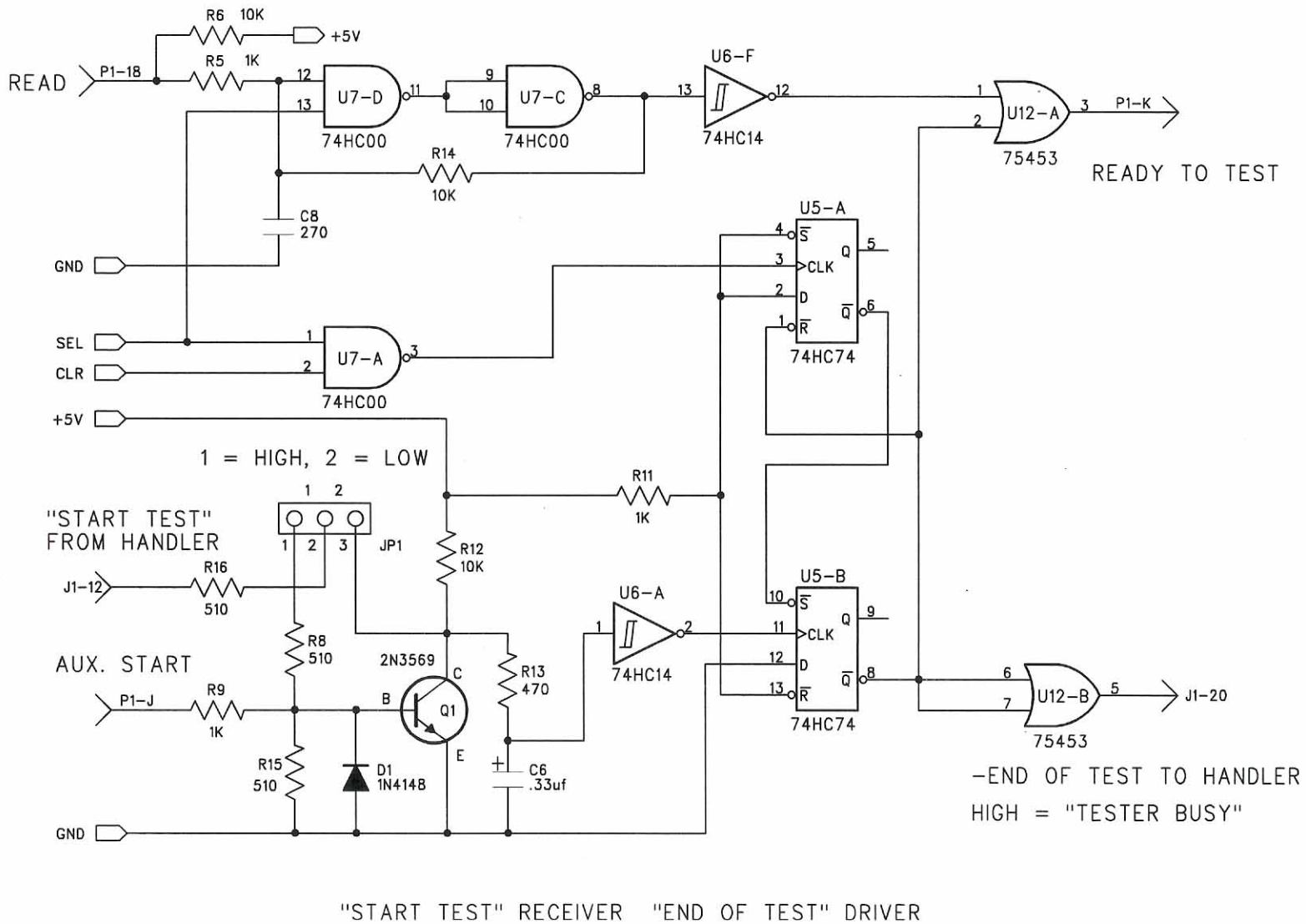


TITLE	B502A	STATION INTERFACE DRIVER								
Dwg#	SB502A	Rev	1.00	Date	09-10-99	Sheet	4	of	6	FROTHINGHAM ELECTRONICS CORP



BIN DECODER

TITLE	B502A	STATION INTERFACE DRIVER								
Dwg#	SB502A	Rev	1.00	Date	09-10-99	Sheet	3	of	6	FROTHINGHAM ELECTRONICS CORP

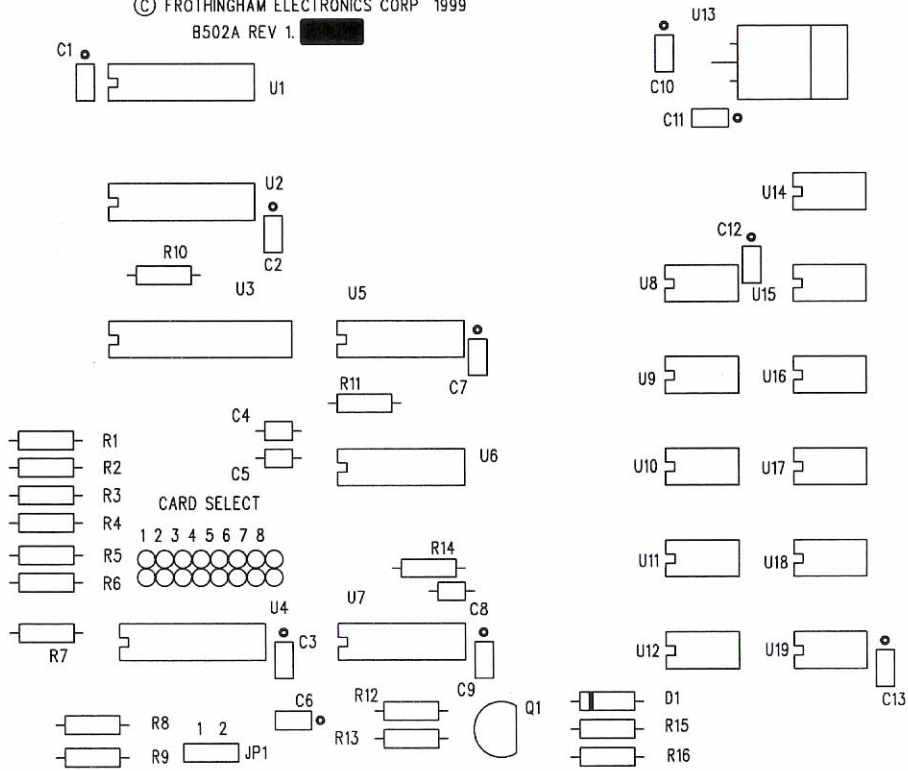


TITLE	B502A	STATION INTERFACE DRIVER
Dwg#	SB502A	Rev 1.00
Date	09-10-99	Sheet 1 of 6
FROTHINGHAM ELECTRONICS CORP		

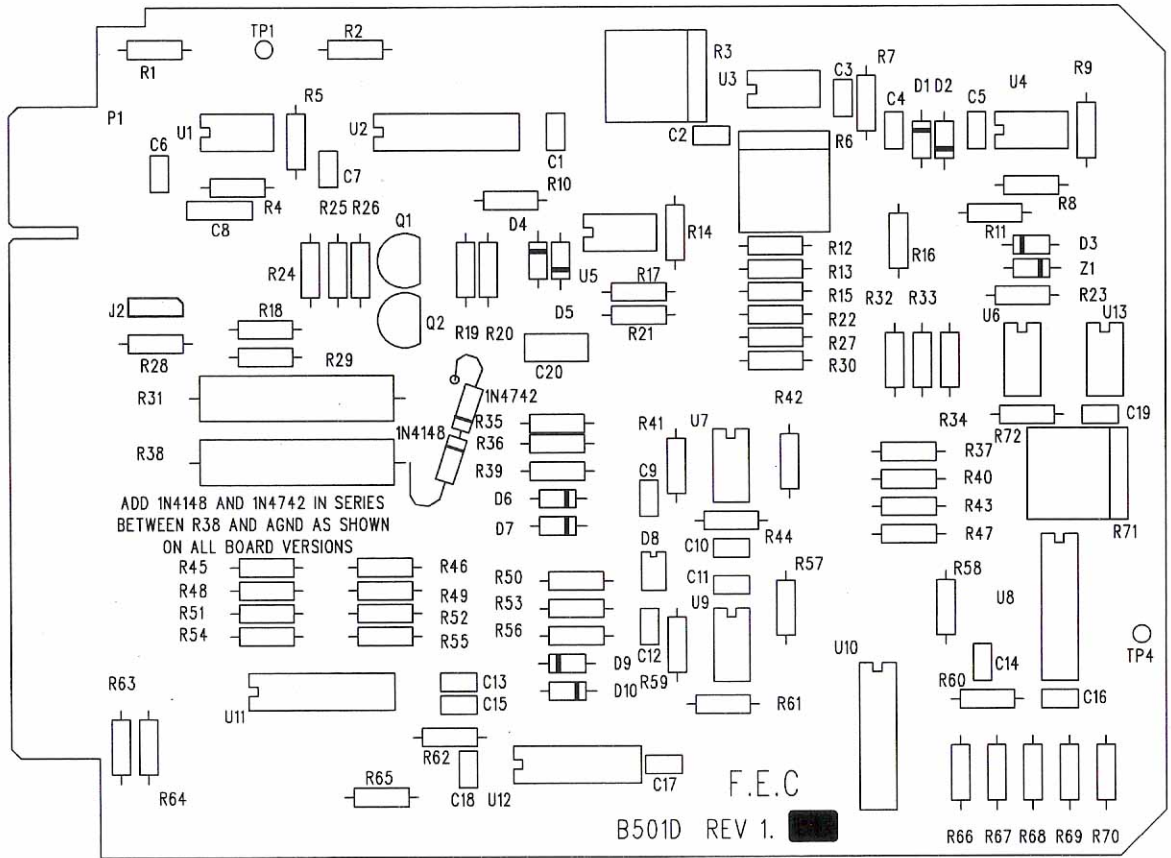
© FROTHINGHAM ELECTRONICS CORP 1999

B502A REV 1. [REDACTED]

B502A



J1

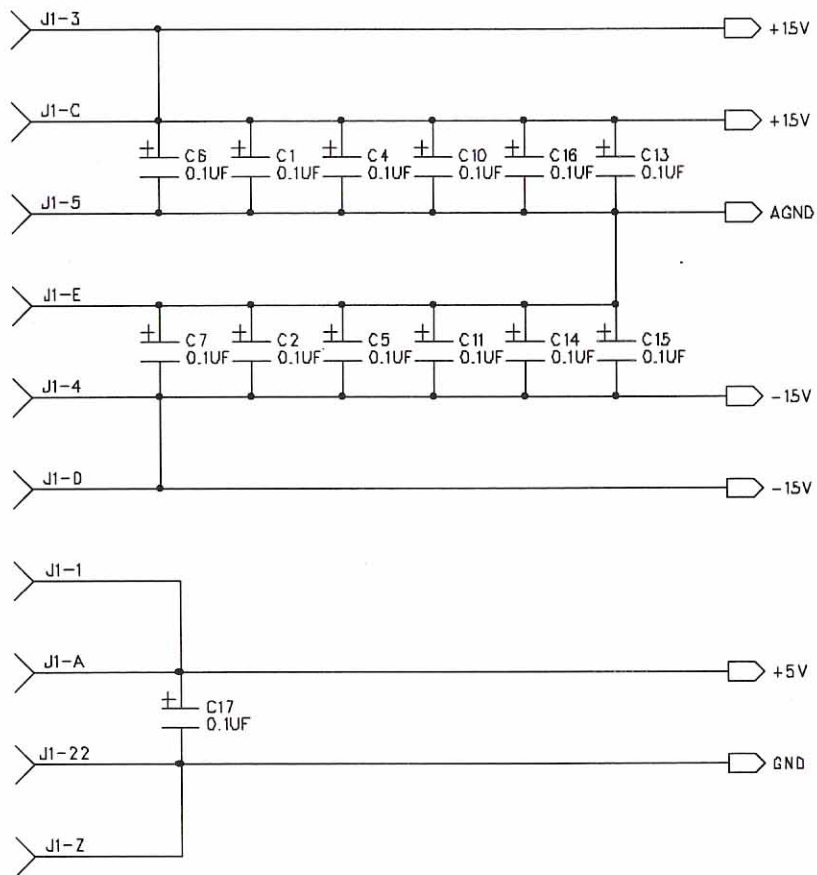


B501D Rev. 1.00

09/27/04

Frothingam Electronics Corp.

R66 R67 R68 R69 R70



NOTES:

ALL RESISTORS ARE 1/4W 5% CARBON FILM
UNLESS OTHERWISE NOTED

TITLE | B501D ADC BUILDING BLOCK

Dwg# SB501D

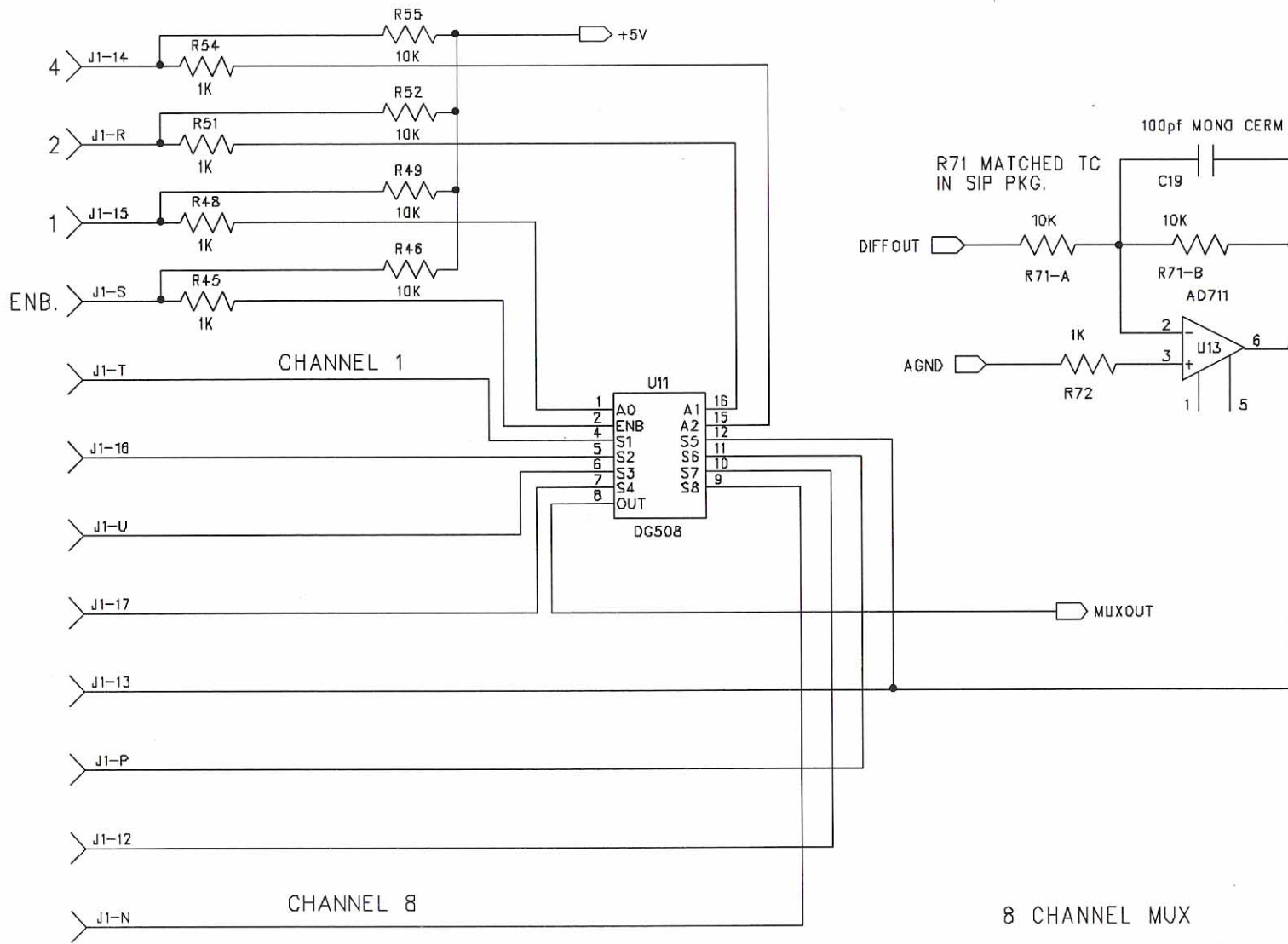
Rev 1.01

Date 07-08-05

Sheet 5

of 5

FROTHINGHAM ELECTRONICS CORP



TITLE B501D ADC BUILDING BLOCK

Dwg# SB501D

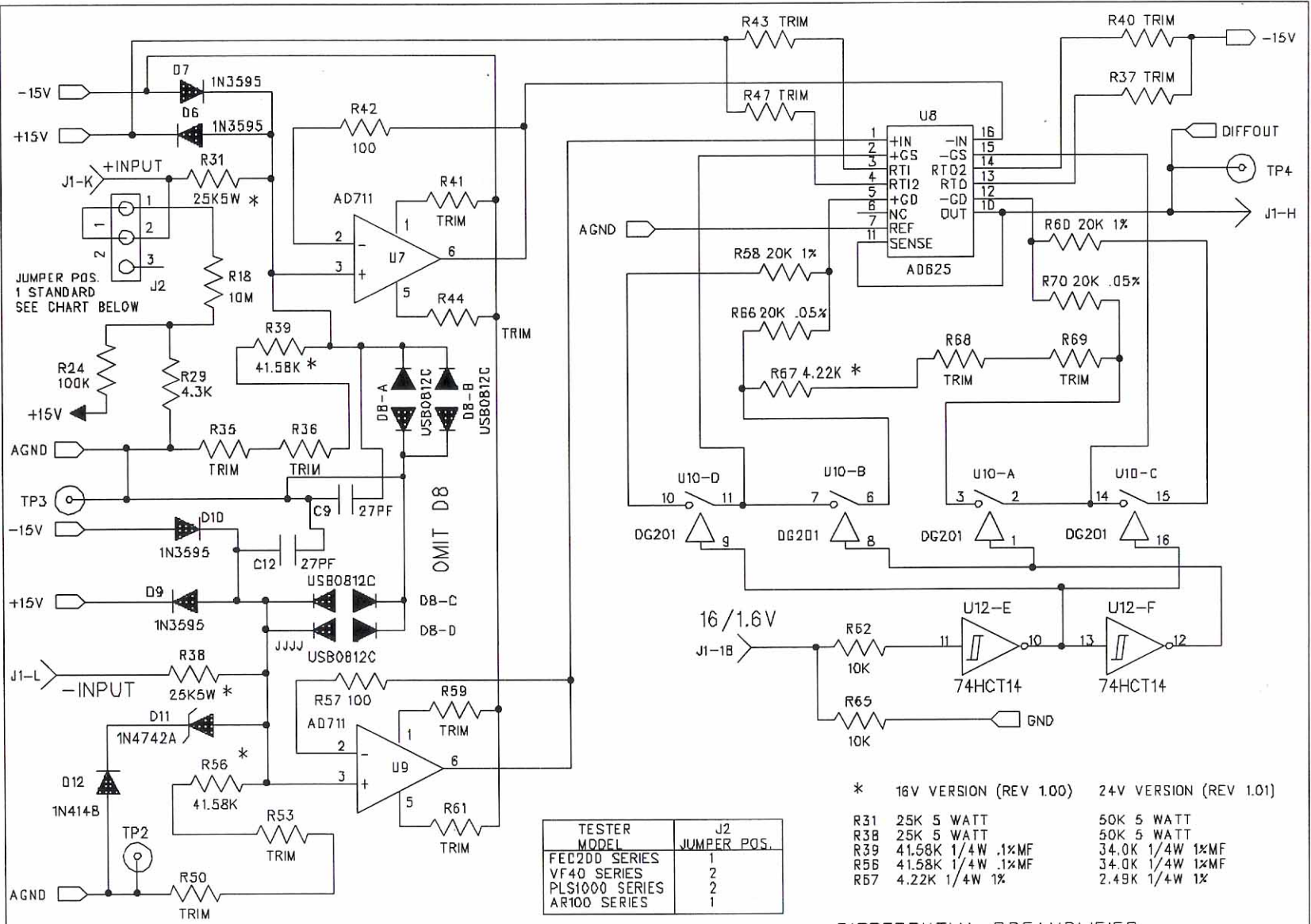
Rev 1.01

Date 07-08-05

Sheet 4

of 5

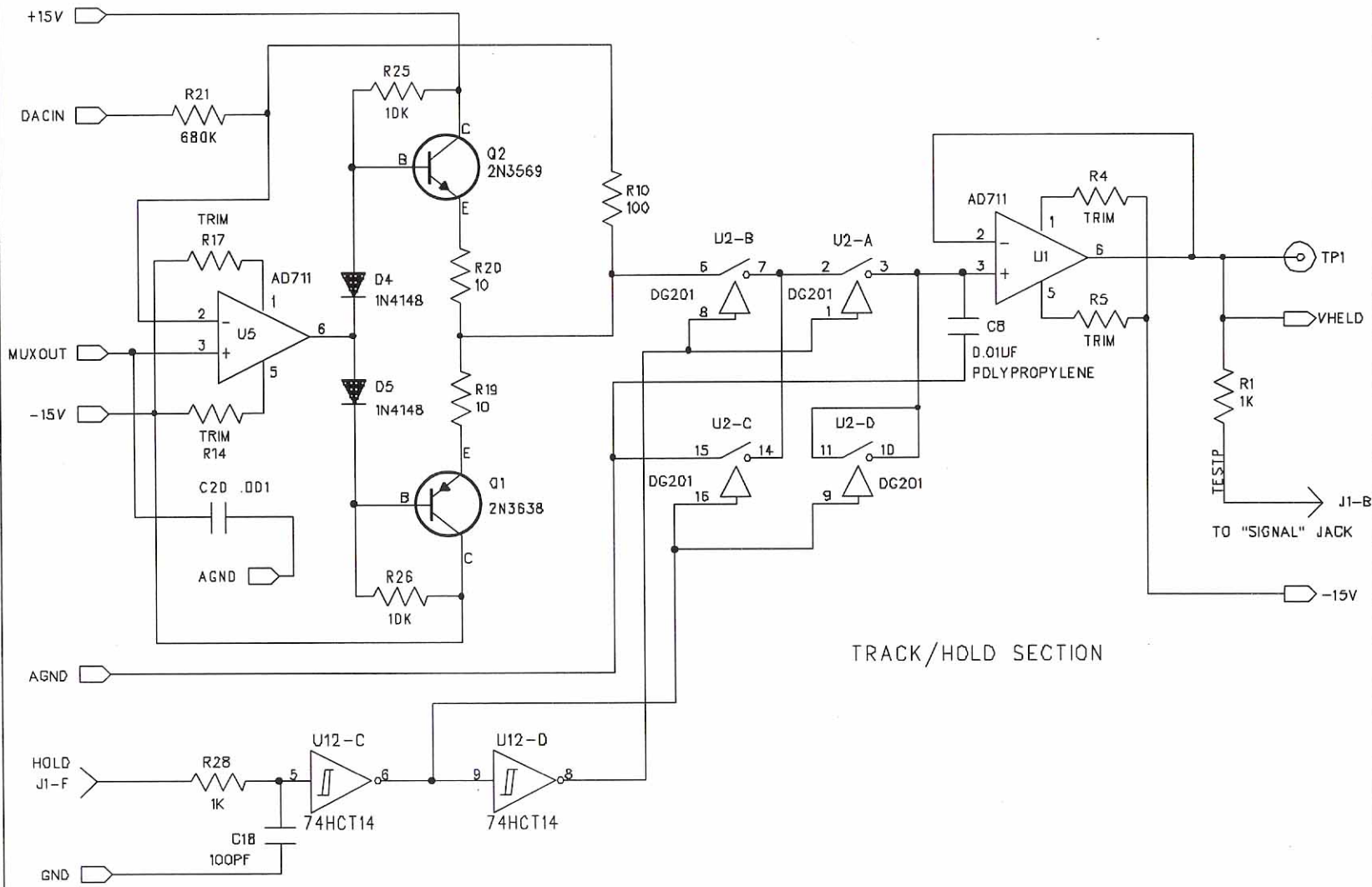
FROTHINGHAM ELECTRONICS CORP



TESTER MODEL	J2 JUMPER POS.
FEC2DD SERIES	1
VF40 SERIES	2
PLS1000 SERIES	2
ARI00 SERIES	1

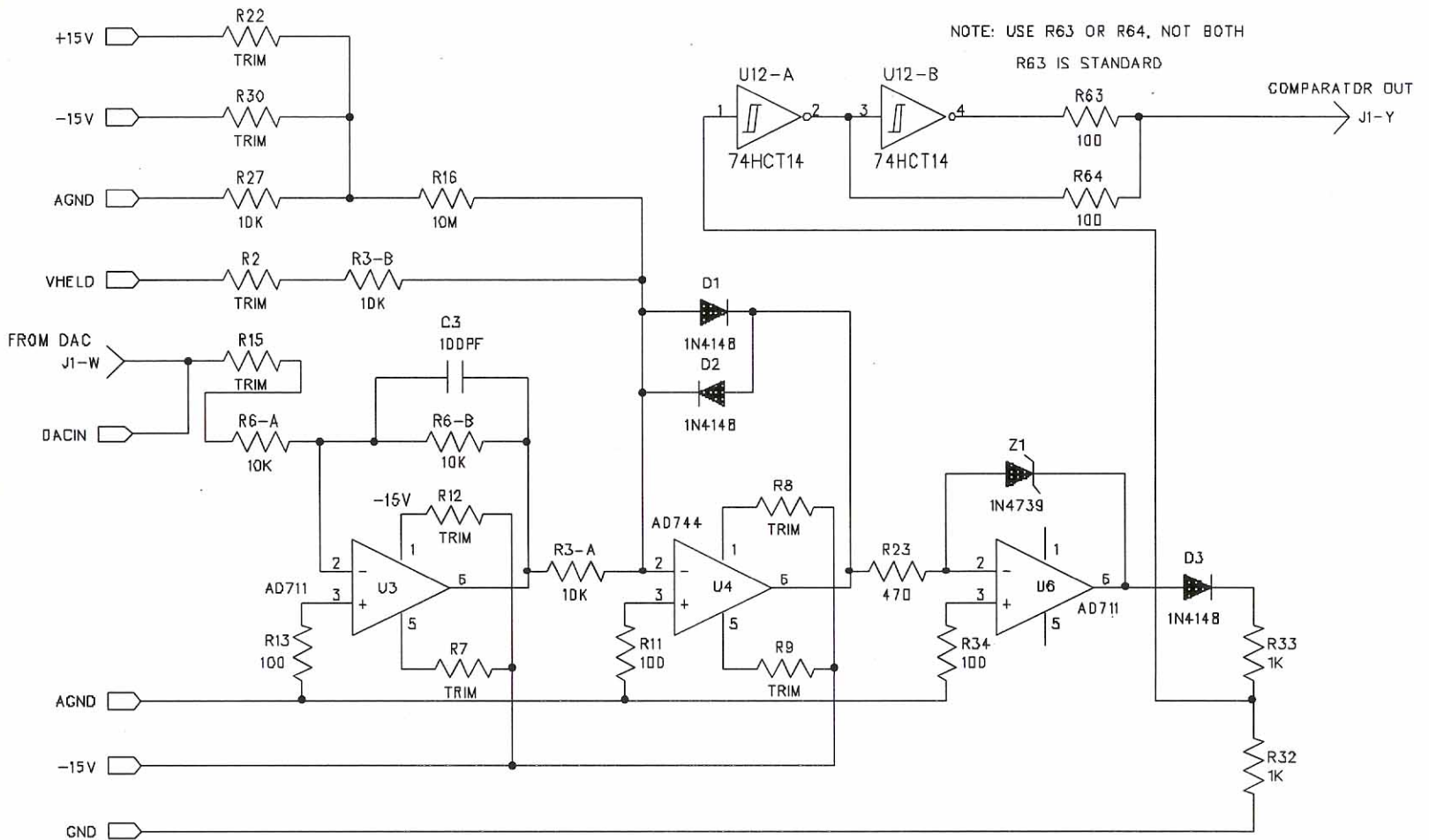
* 16V VERSION (REV 1.00)		24V VERSION (REV 1.01)	
R31	25K 5 WATT	50K	5 WATT
R38	25K 5 WATT	50K	5 WATT
R39	41.58K 1/4W .1%MF	34.0K	1/4W 1%MF
R56	41.58K 1/4W .1%MF	34.0K	1/4W 1%MF
R57	4.22K 1/4W 1%	2.49K	1/4W 1%

DIFFERENTIAL PREAMPLIFIER



TRACK/HOLD SECTION

TITLE	B501D ADC BUILDING BLOCK									
Dwg#	SB501D	Rev	1.01	Date	07-08-05	Sheet	2	of	5	FROTHINGHAM ELECTRONICS CORP



TITLE B501D ADC BUILDING BLOCK

Dwg# SB501D

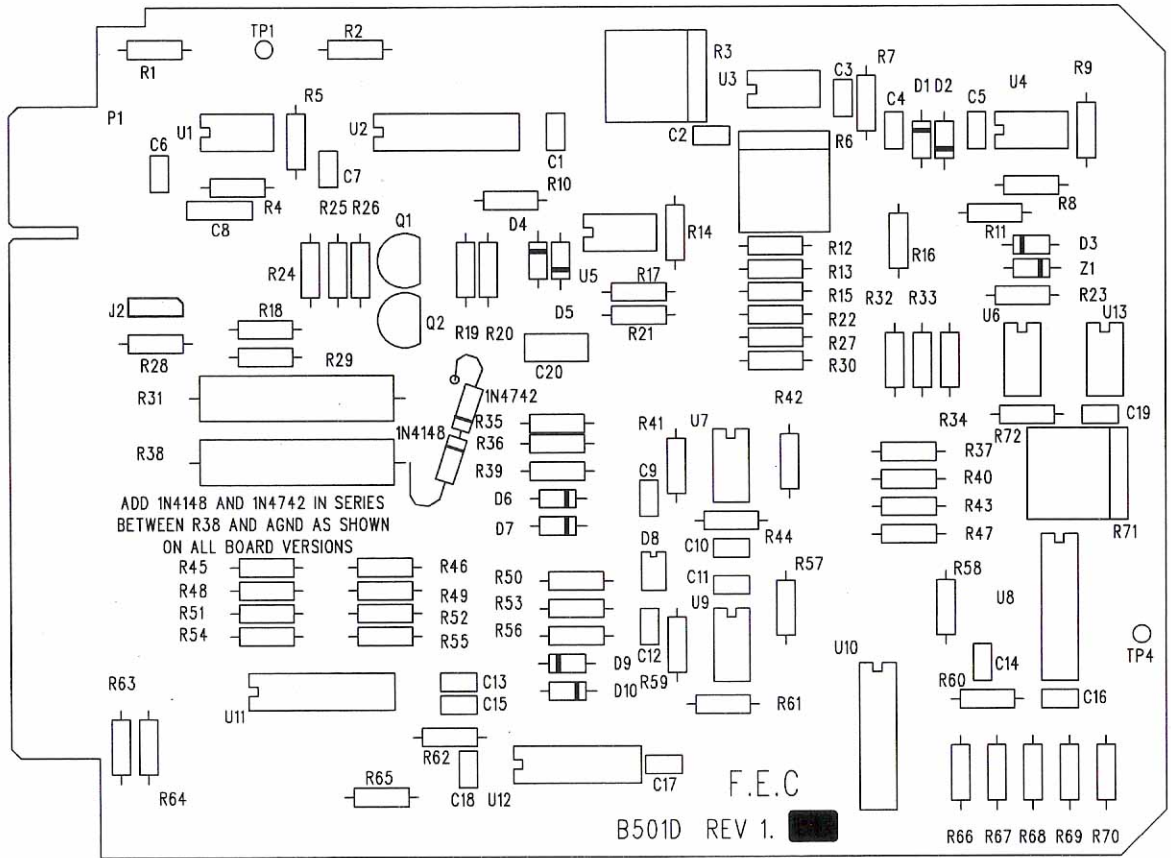
Rev 1.01

Date 07-08-05

Sheet 1

of 5

FROTHINGHAM ELECTRONICS CORP

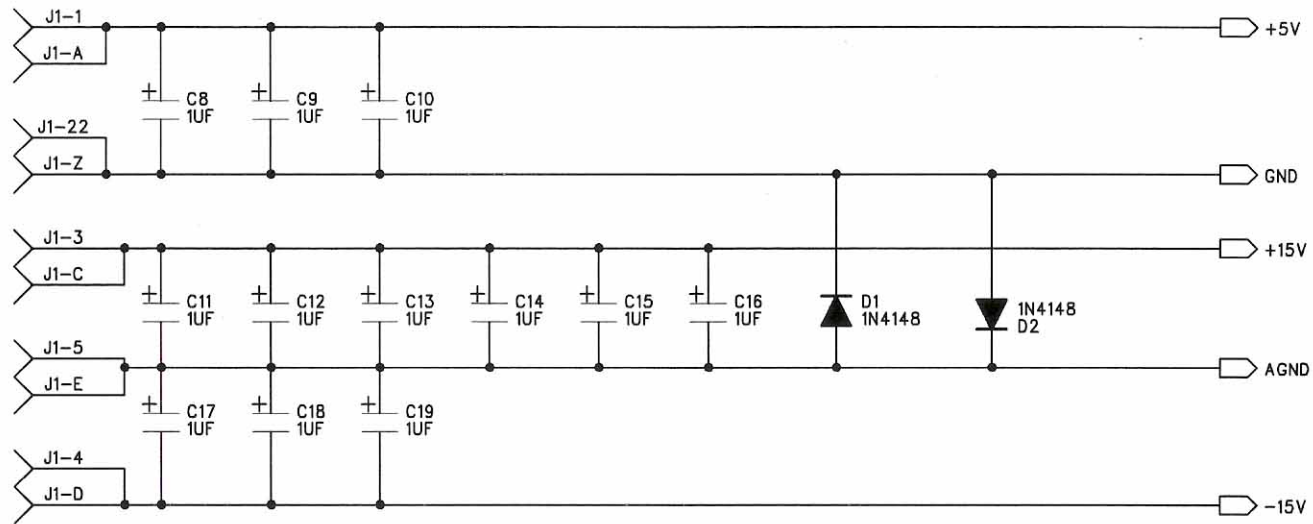


B501D Rev. 1.00

09/27/04

Frothingam Electronics Corp.

R66 R67 R68 R69 R70



TITLE B500 DUAL 14 BIT DAC

Dwg# SB500

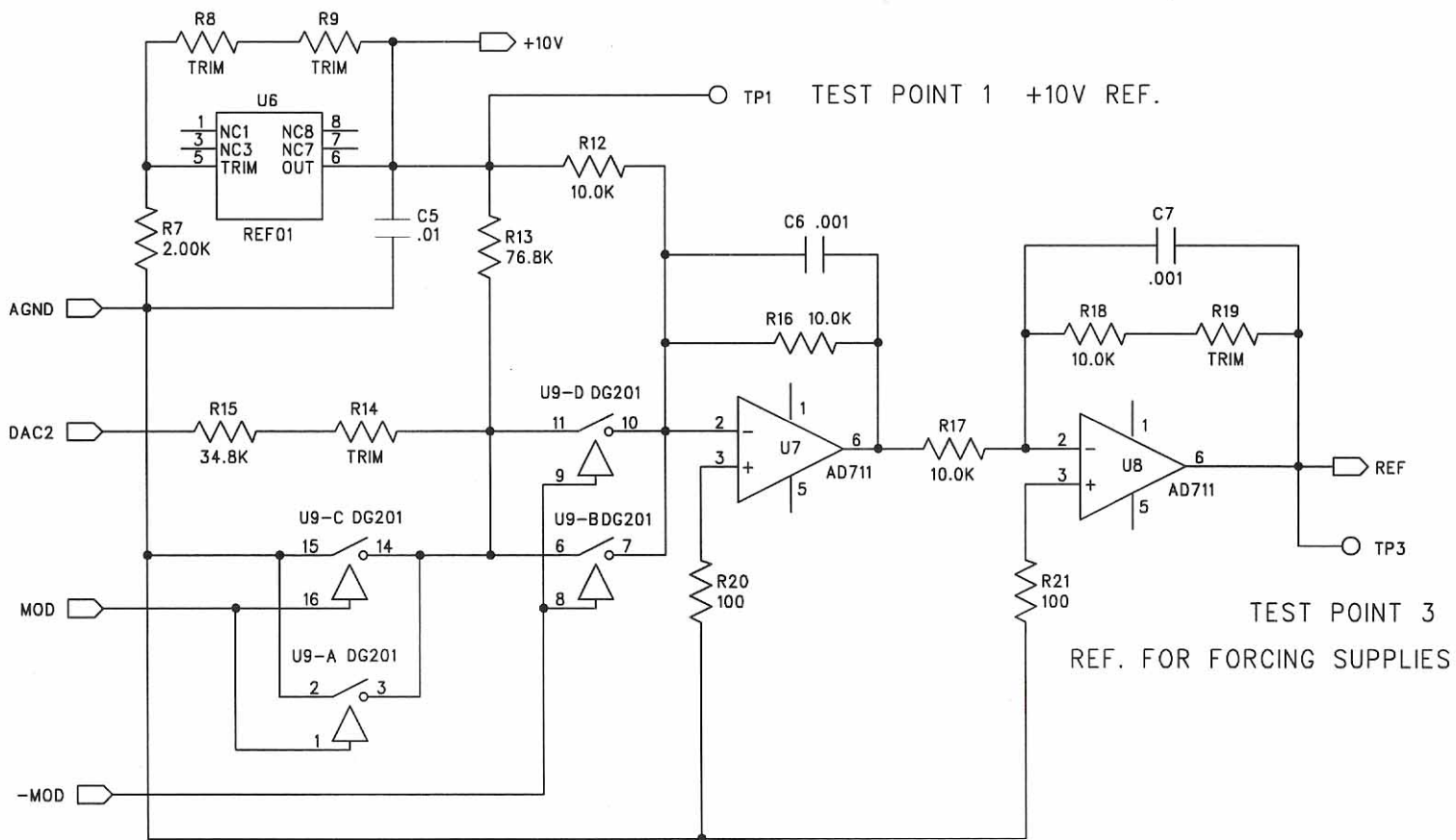
Rev

Date 6/26/92

Sheet 4

of 4

FROTHINGHAM ELECTRONICS CORP



TITLE B500 DUAL 14 BIT DAC

Dwg# SB500

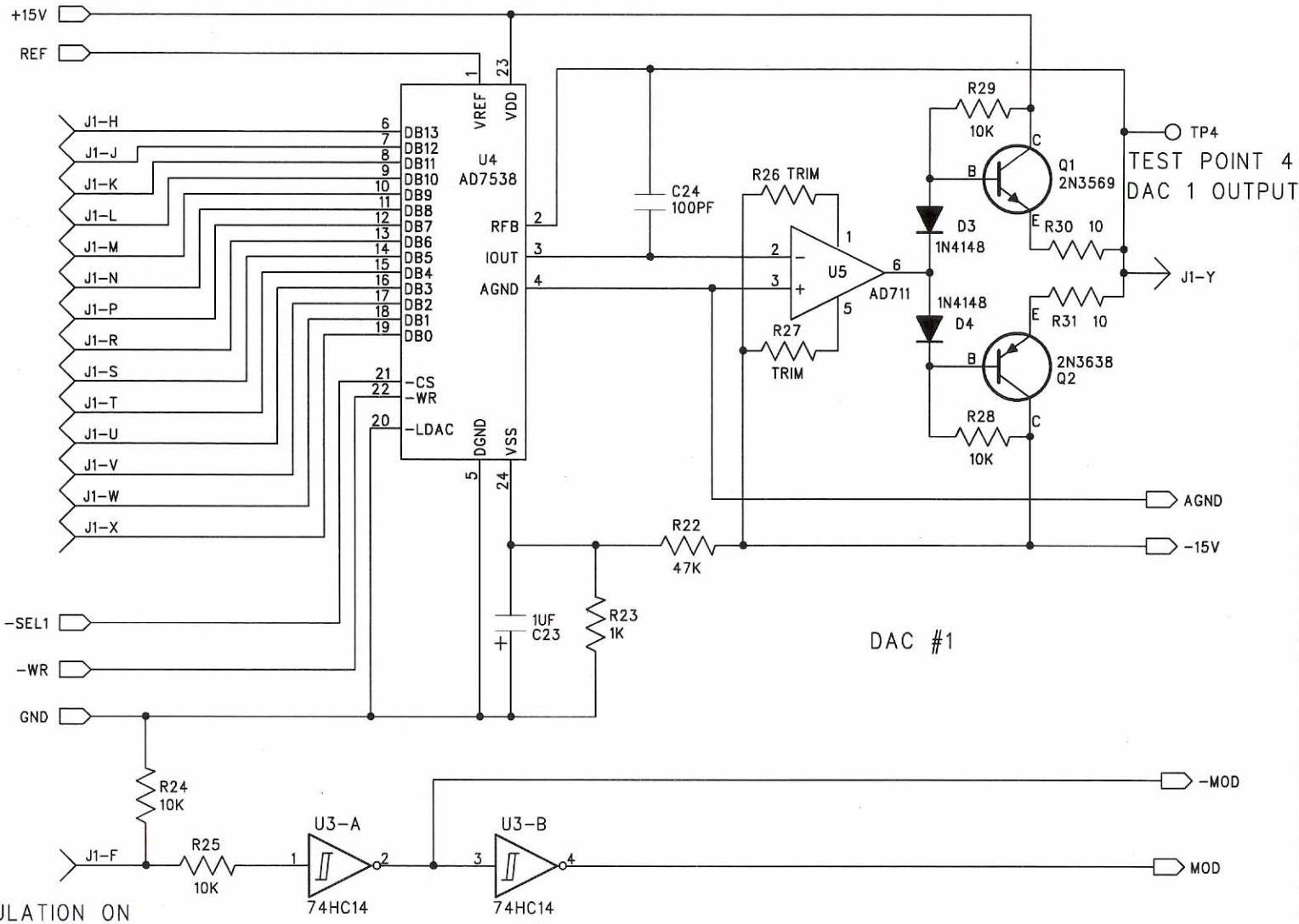
Rev

Date 6/26/92

Sheet 3

of 4

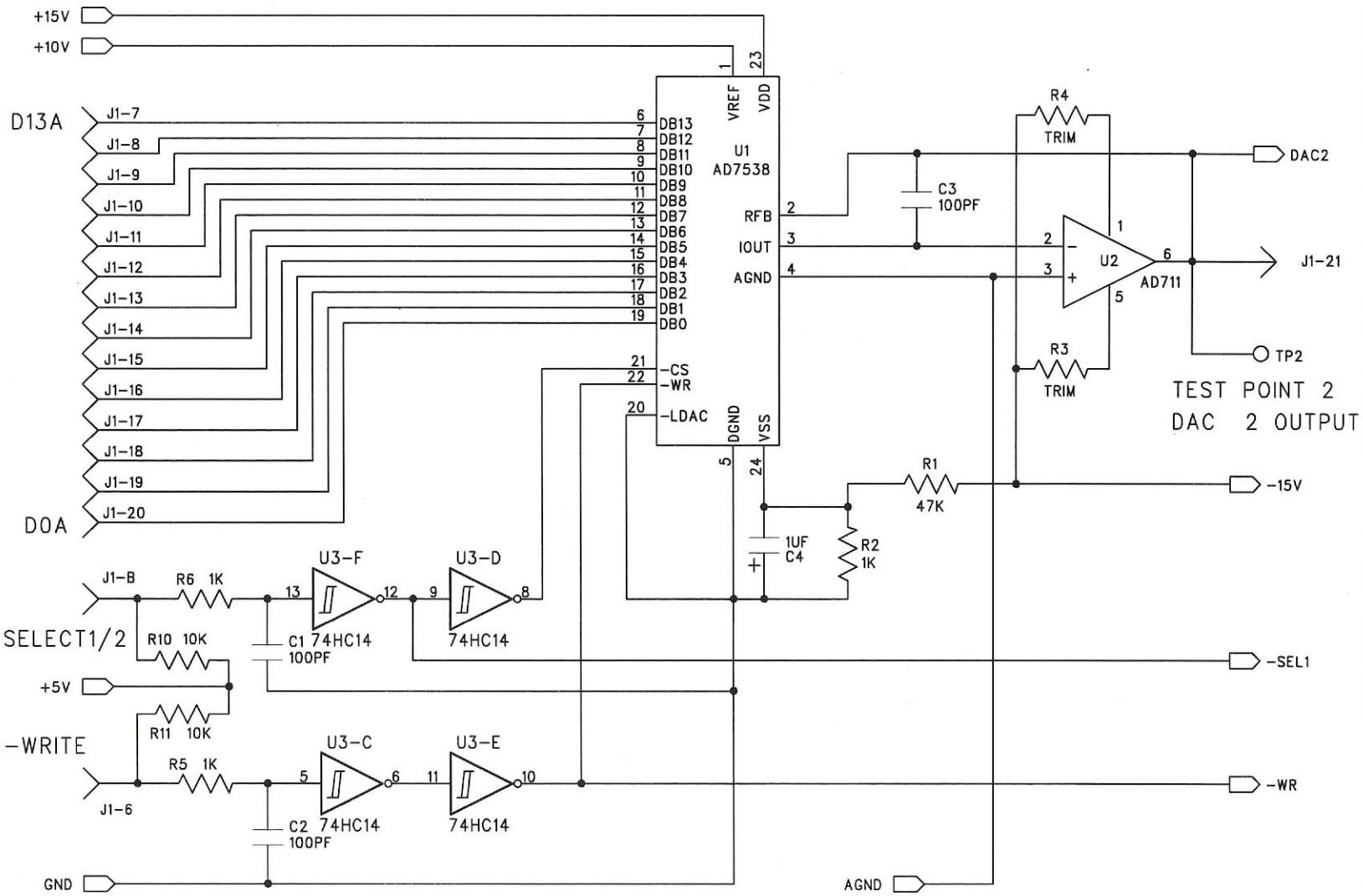
FROTHINGHAM ELECTRONICS CORP



DAC #1

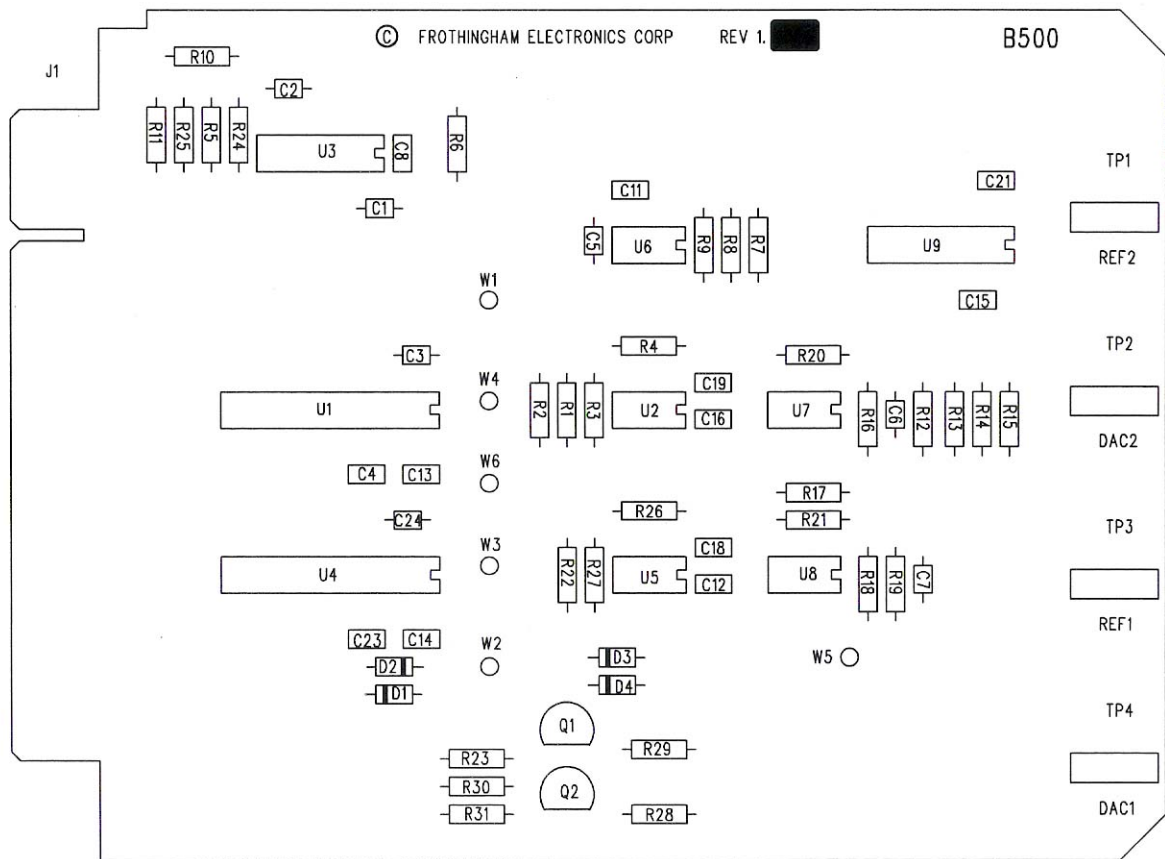
TITLE | B500 DUAL 14 BIT DAC

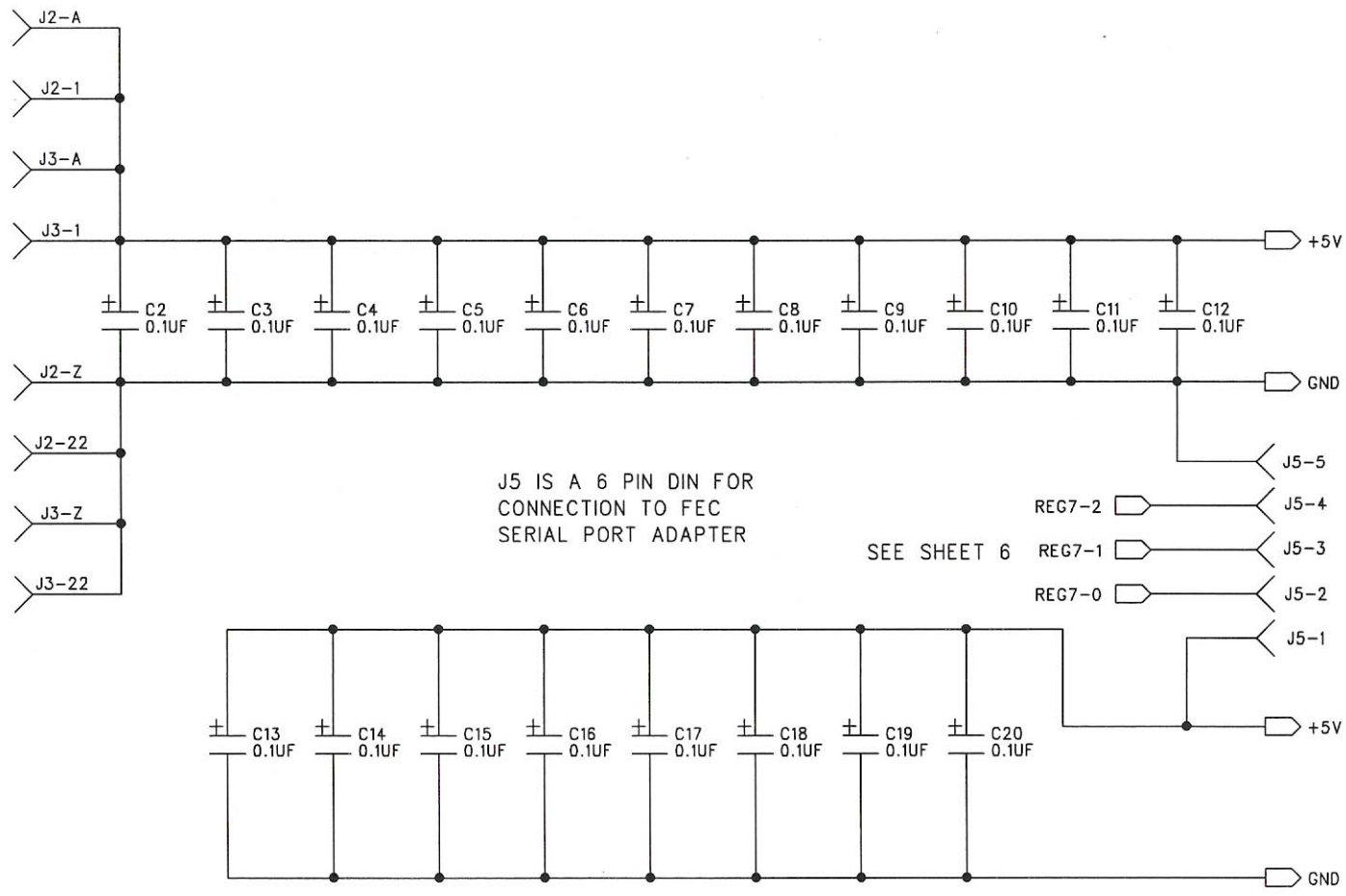
Dwg# SB500 | Rev | Date 6/26/92 | Sheet 2 of 4 | FROTHINGHAM ELECTRONICS CORP



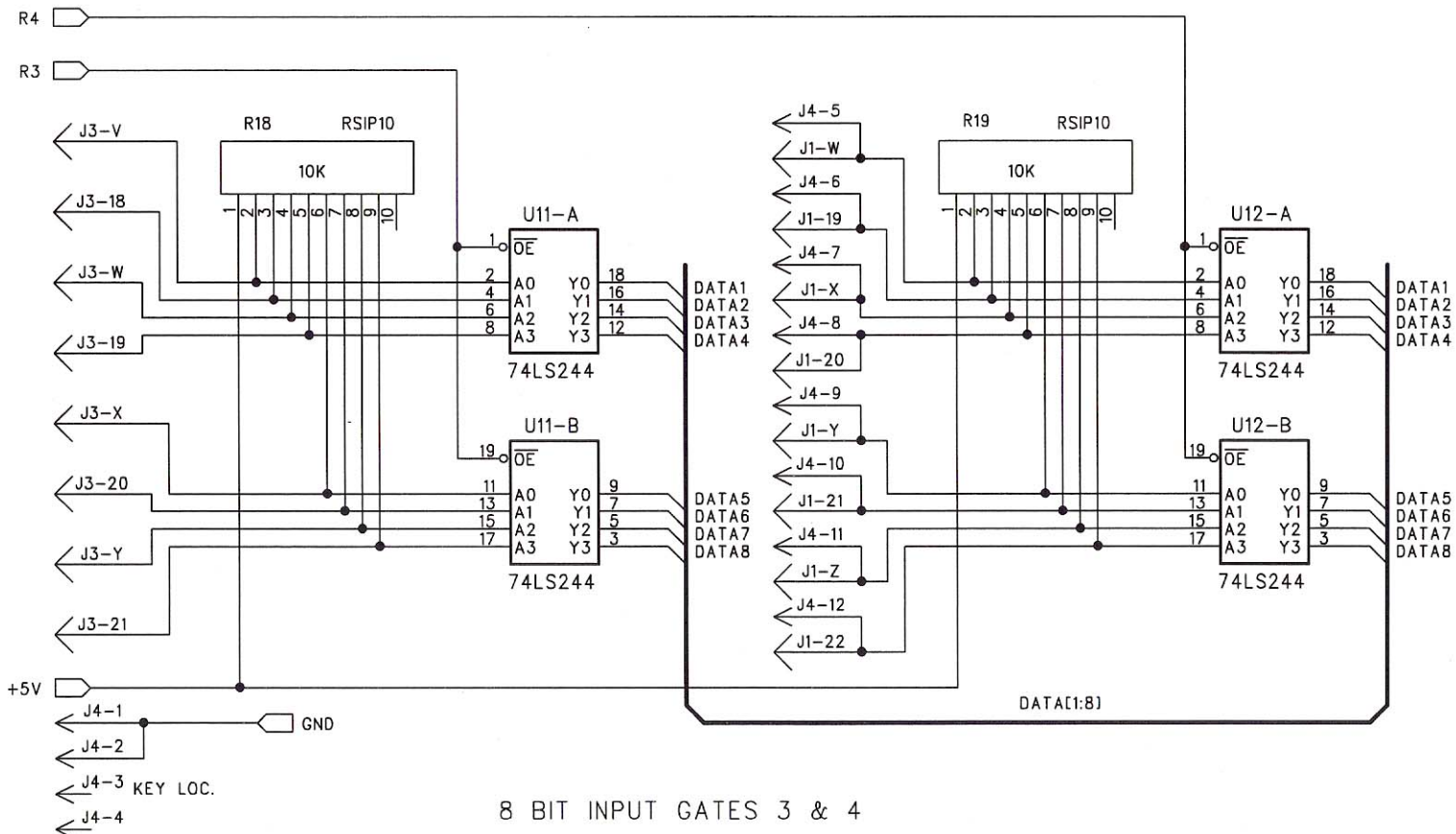
TITLE B500 DUAL 14 BIT DAC

Dwg# SB500 Rev Date 6/26/92 Sheet 1 of 4 FROTHINGHAM ELECTRONICS CORP



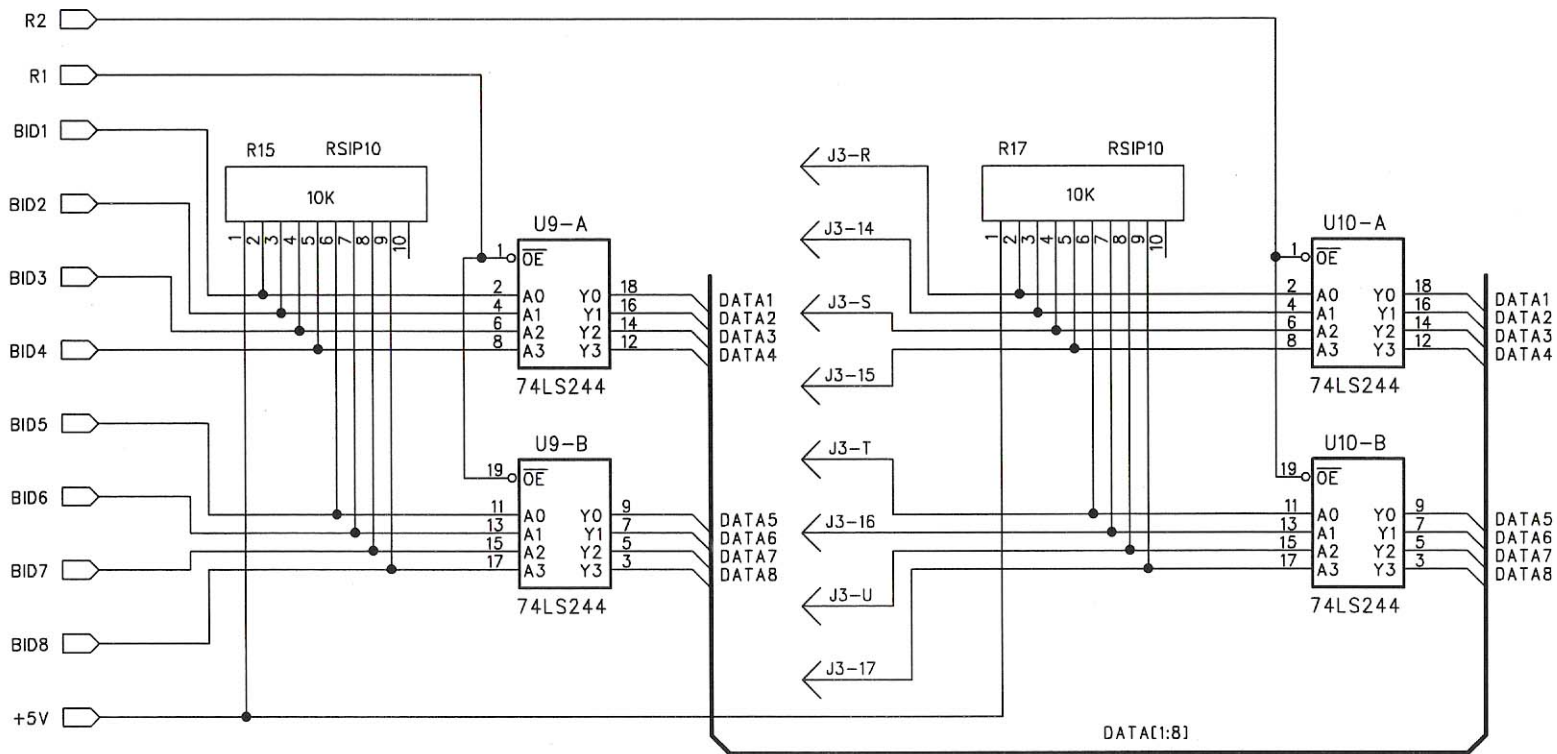


TITLE	B499C 80 BIT COMPUTER INTERFACE				
Dwg# SB499C	Rev 1.01	Date 06/06/02	Sheet 9	of 9	FROTHINGHAM ELECTRONICS CORP

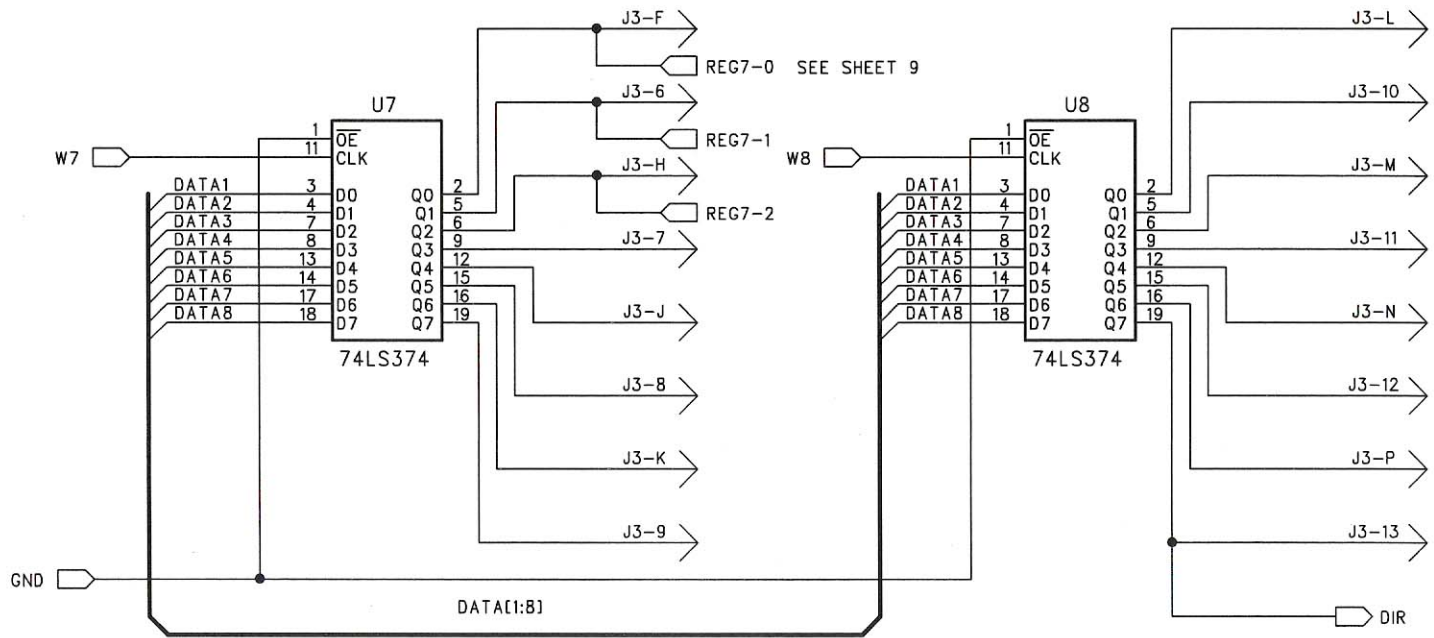


J4 IS A 12 PIN SIP HEADER

TITLE	B499C	80 BIT COMPUTER INTERFACE								
Dwg#	SB499C	Rev	1.01	Date	06/06/02	Sheet	8	of	9	FROTHINGHAM ELECTRONICS CORP

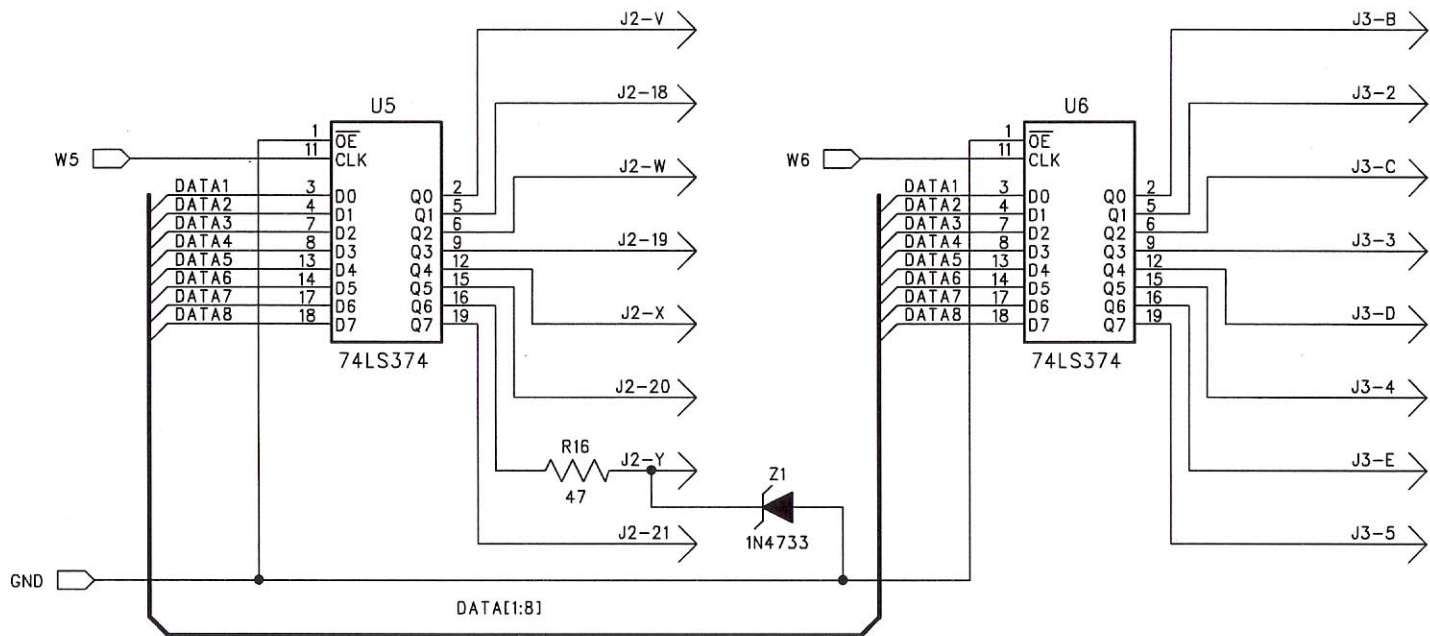


8 BIT INPUT GATES 1 & 2



8 BIT OUTPUT REGISTERS 7 & 8

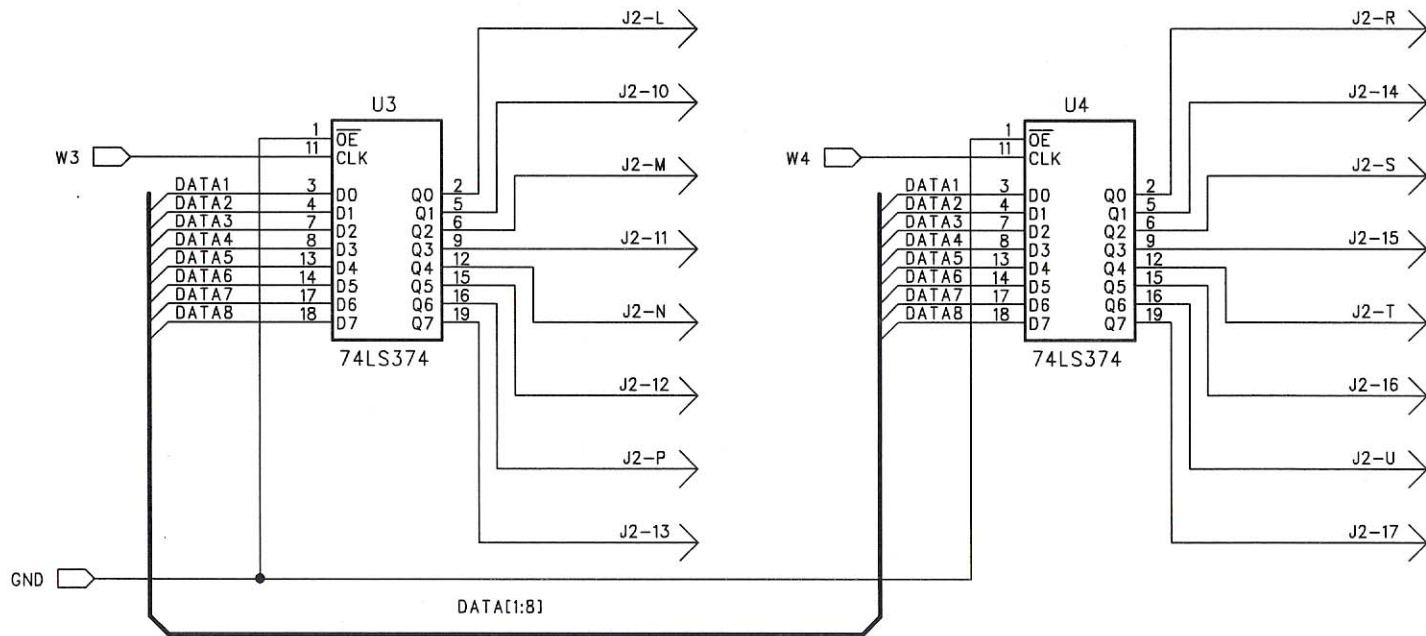
TITLE	B499C 80 BIT COMPUTER INTERFACE									
Dwg#	SB499C	Rev	1.01	Date	06/06/02	Sheet	6	of	9	FROTHINGHAM ELECTRONICS CORP



8 BIT OUTPUT REGISTERS 5 & 6

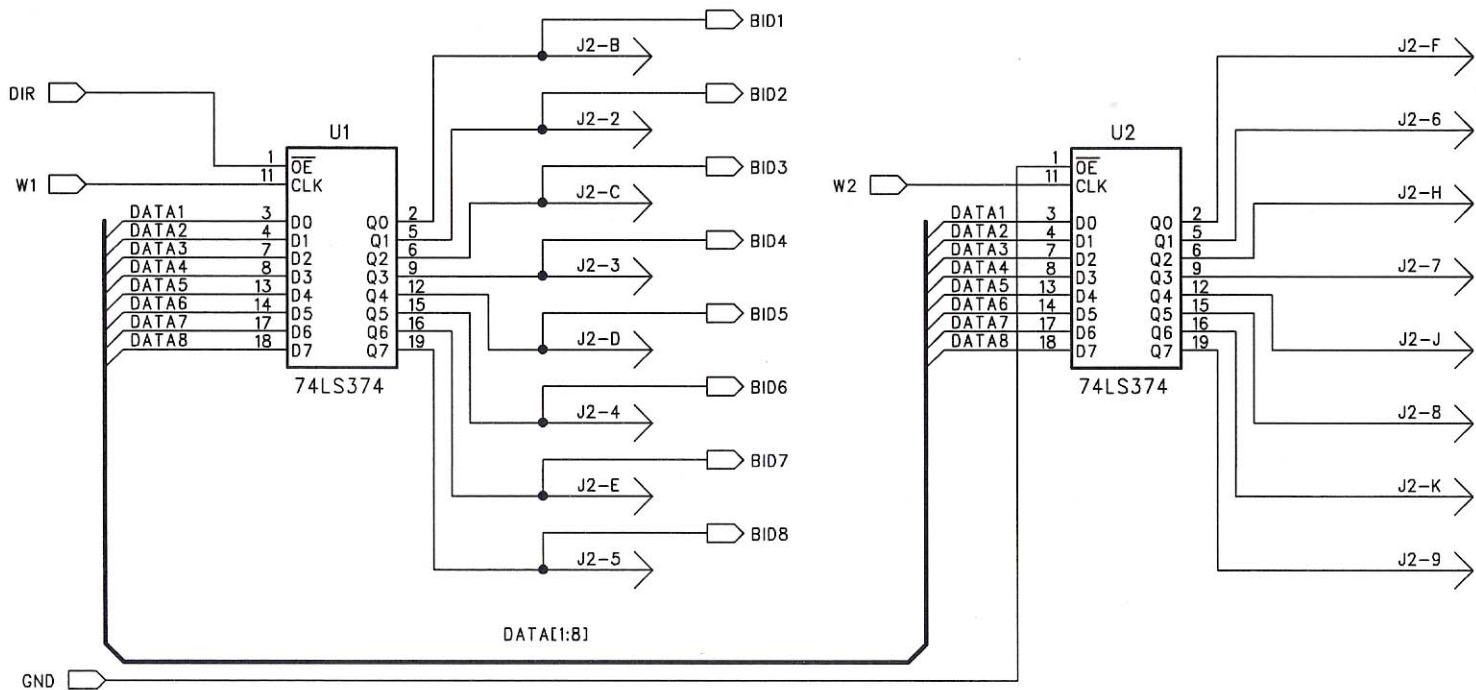
Note: J2-Y controls 2KV supply, Low = "ON"
 (APPLIES TO FEC100/200)

TITLE	B499C 80 BIT COMPUTER INTERFACE				
Dwg# SB499C	Rev 1.01	Date 06/06/02	Sheet 5	of 9	FROTHINGHAM ELECTRONICS CORP



8 BIT OUTPUT REGISTERS 3 & 4

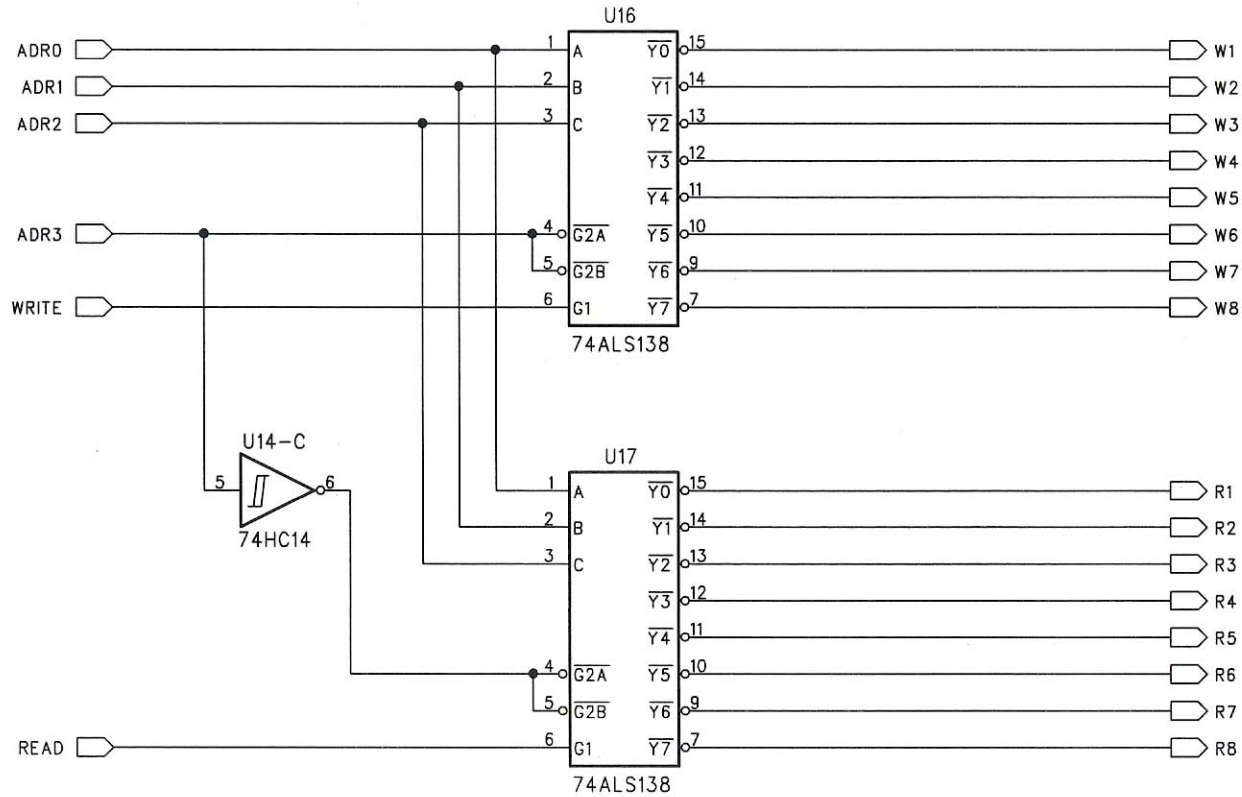
TITLE	B499C 80 BIT COMPUTER INTERFACE				
Dwg# SB499C	Rev 1.01	Date 06/06/02	Sheet 4	of 9	FROTHINGHAM ELECTRONICS CORP



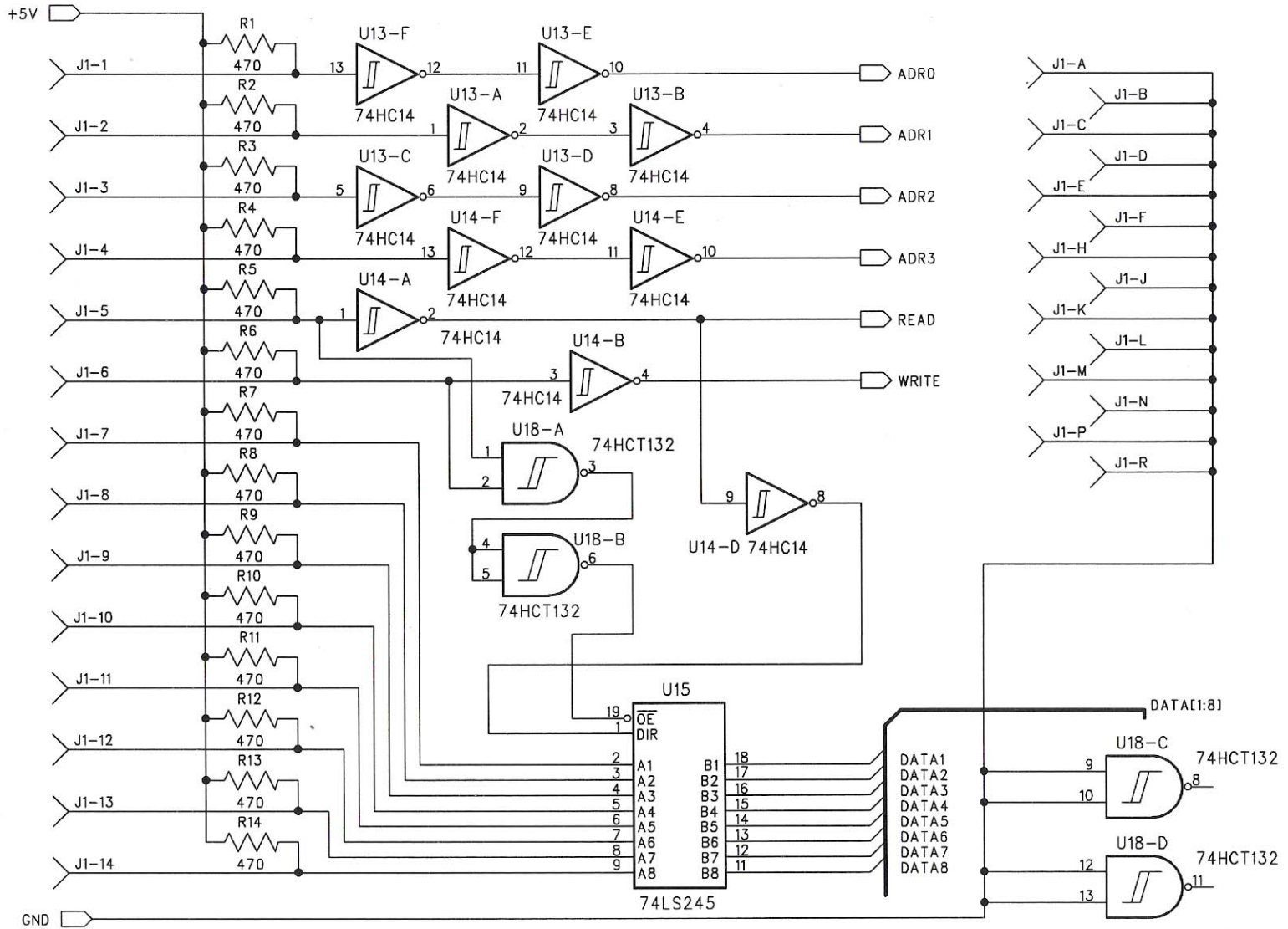
8 BIT OUTPUT REGISTERS 1 & 2

TITLE		B499C 80 BIT COMPUTER INTERFACE									
Dwg#	SB499C	Rev	1.01	Date	06/06/02	Sheet	3	of	9	FROTHINGHAM ELECTRONICS CORP	

Note: Revision C is a minor change vs. Rev. B
 Pullups added on sheets 7 and 8 and minor layout improvements

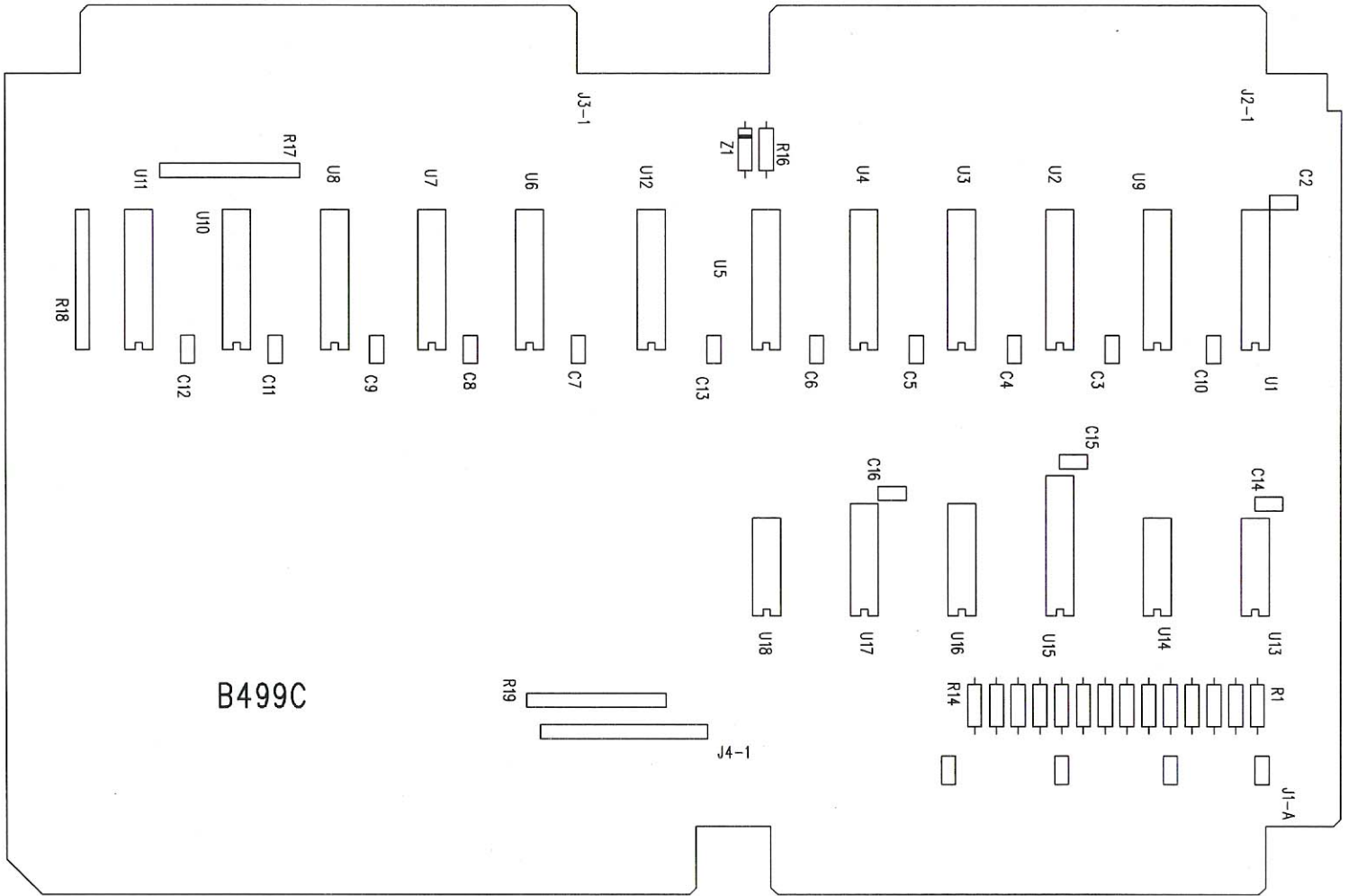


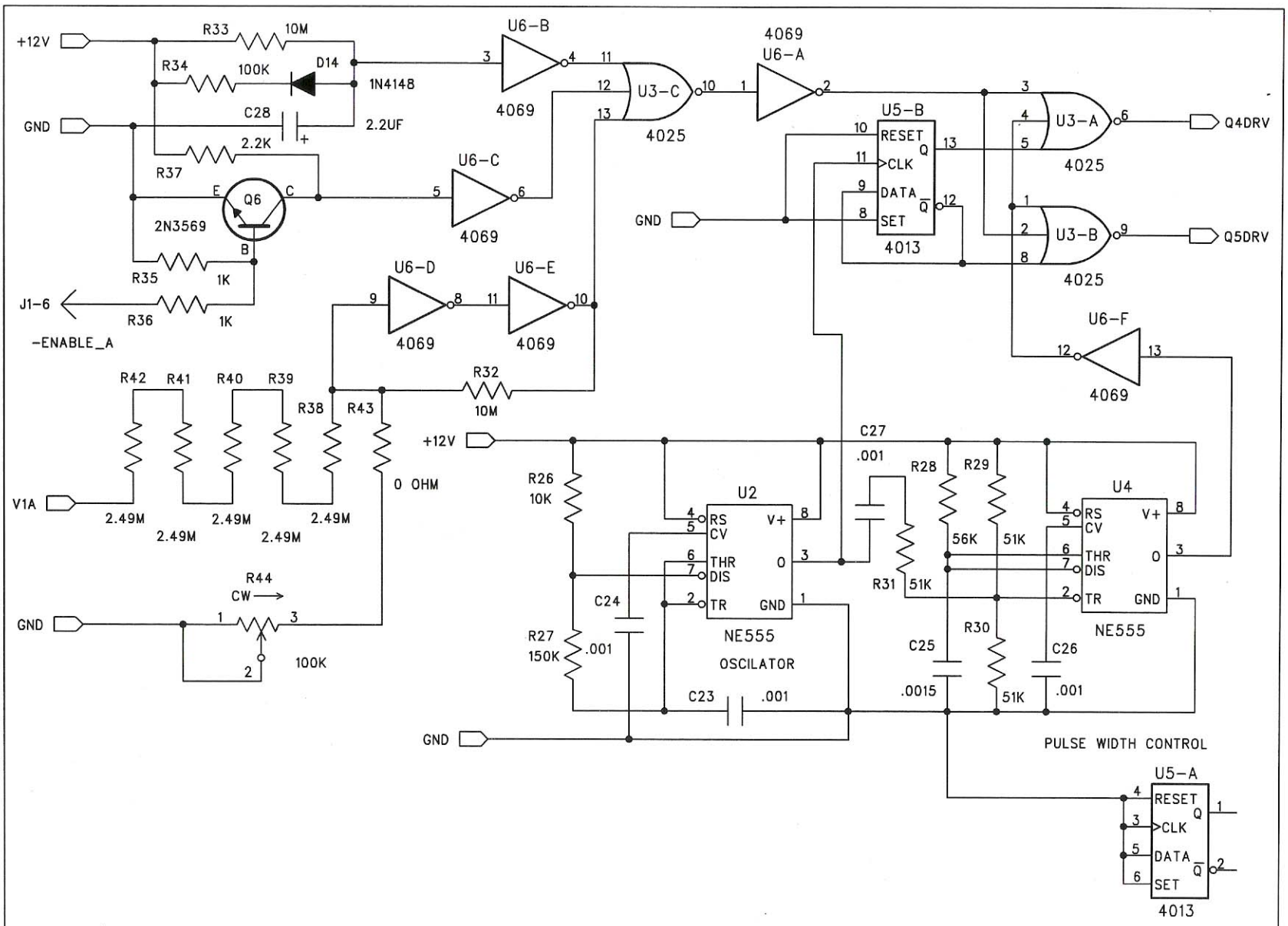
TITLE	B499C 80 BIT COMPUTER INTERFACE									
Dwg#	SB499C	Rev	1.01	Date	06/06/02	Sheet	2	of	9	FROTHINGHAM ELECTRONICS CORP



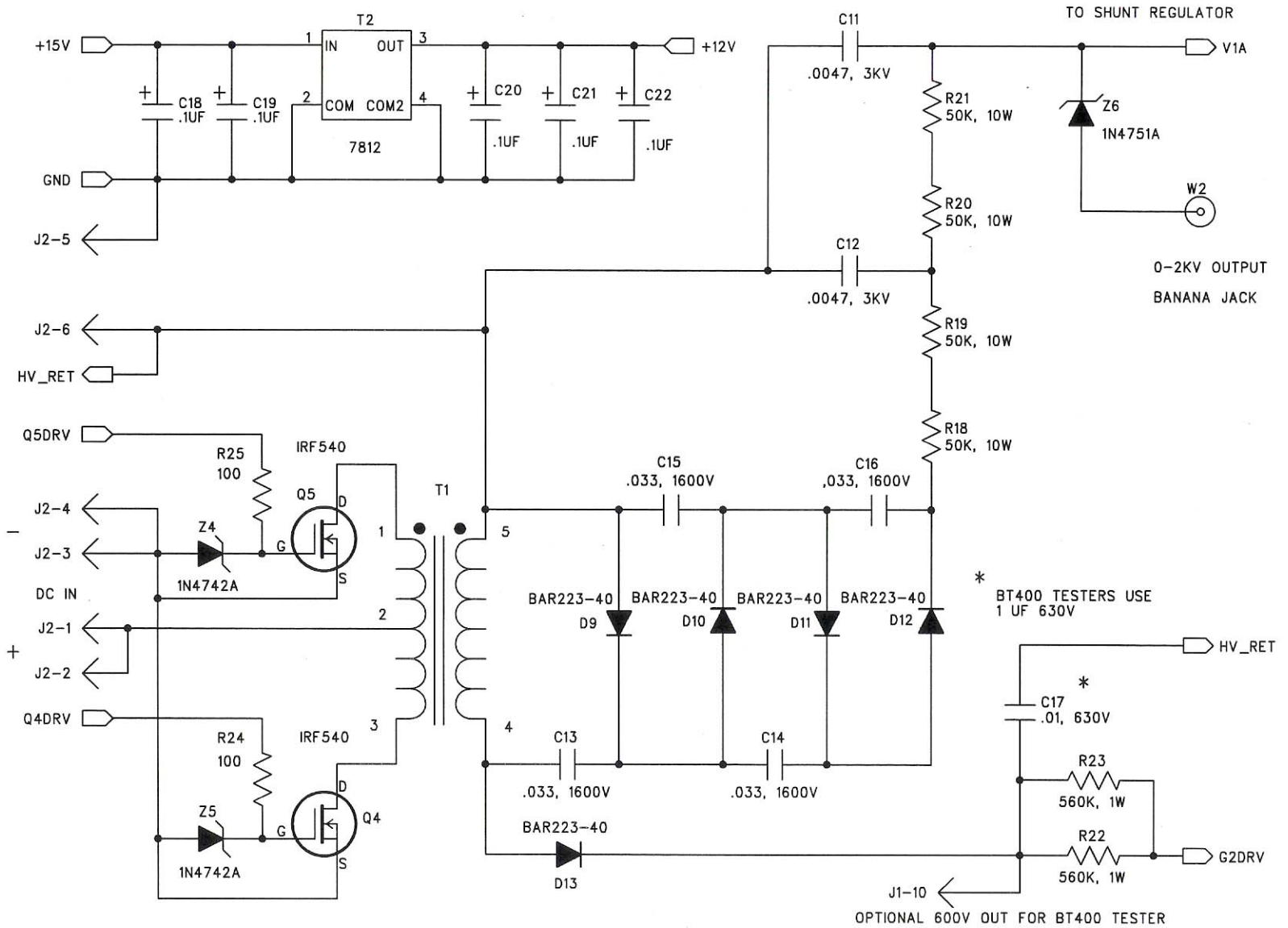
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Dwg# SB499C | Rev 1.01 | Date 06/06/02 | Sheet 1 | of 9 | FROTHINGHAM ELECTRONICS CORP





TITLE	B411B 2KV TEST SUPPLY				
Dwg#	SB411	Rev	1.02	Date	5/24/04
Sheet	3	of	3	FROTHINGHAM ELECTRONICS CORP	



TITLE B411B 2KV TEST SUPPLY

Dwg# SB411

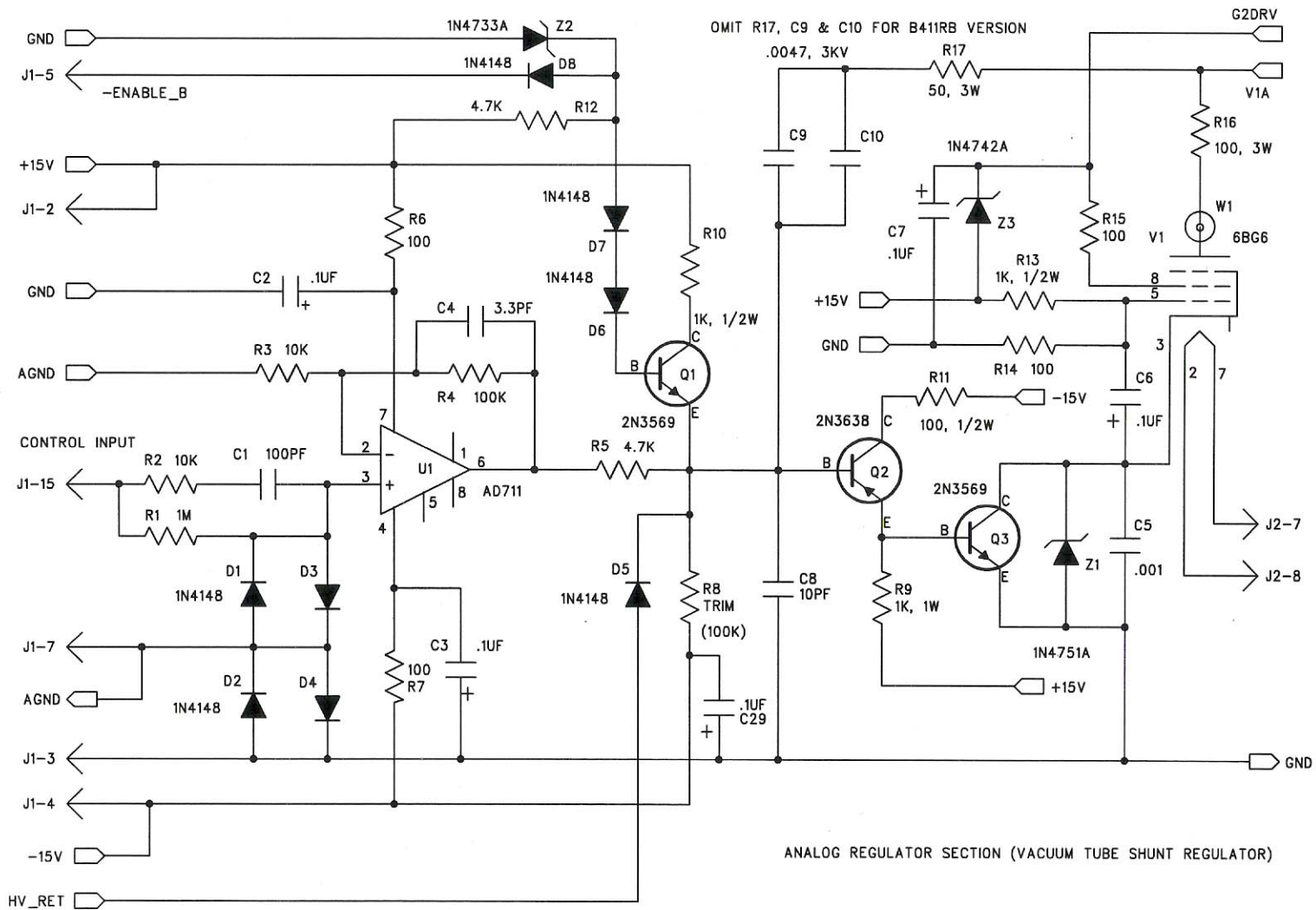
Rev 1.02

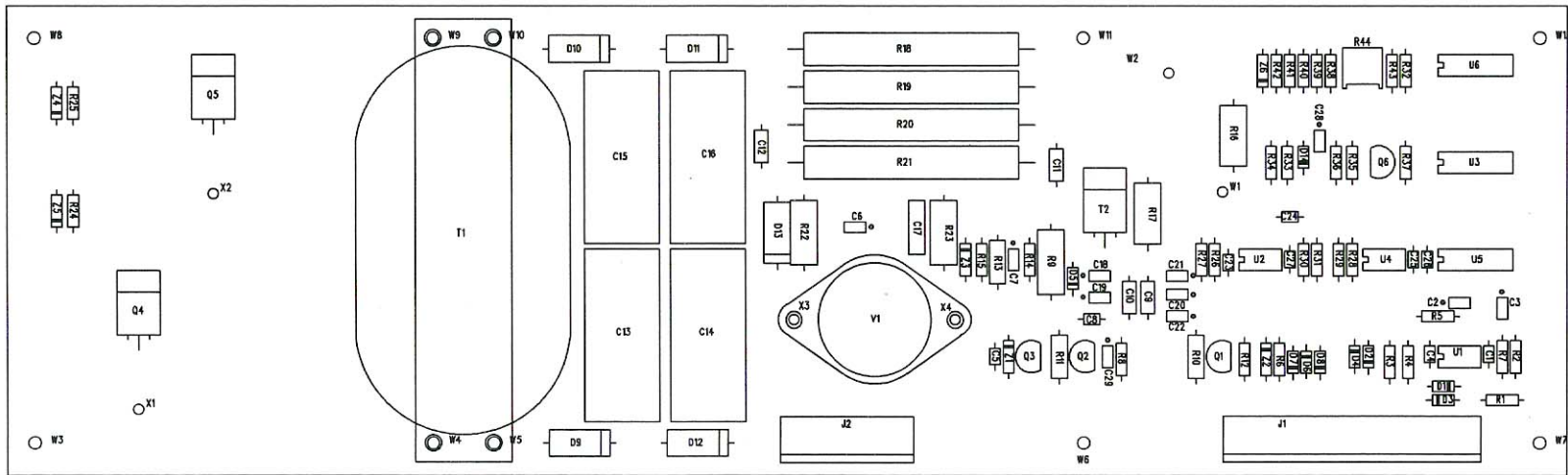
Date 5/24/04

Sheet 2

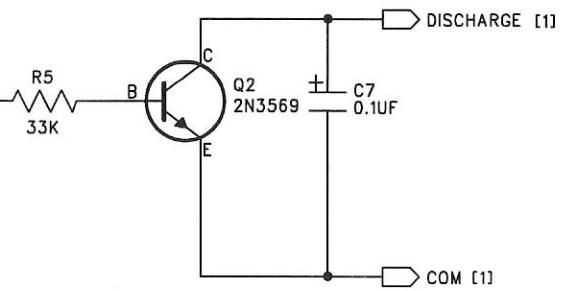
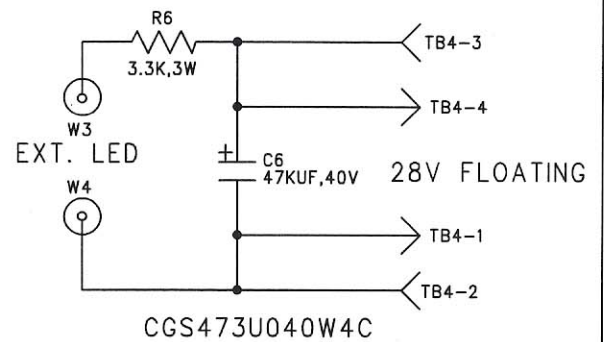
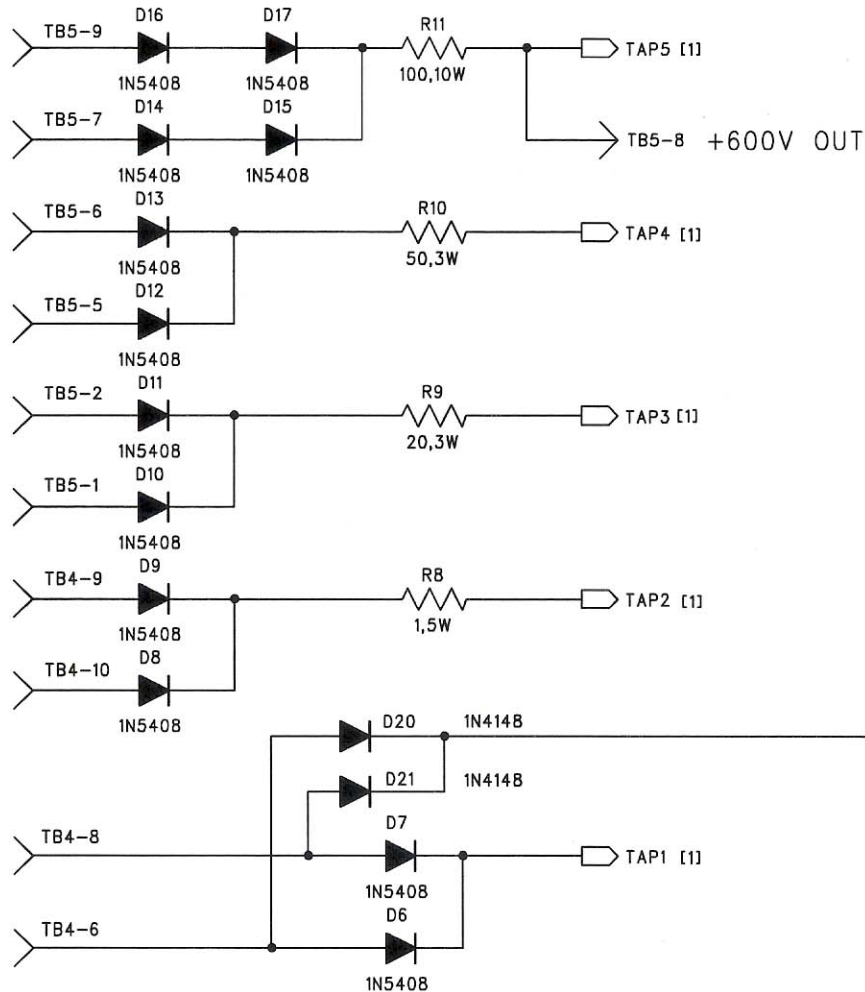
of 3

FROTHINGHAM ELECTRONICS CORP





B411B 08/16/00 Frothingham Electronics Corp.

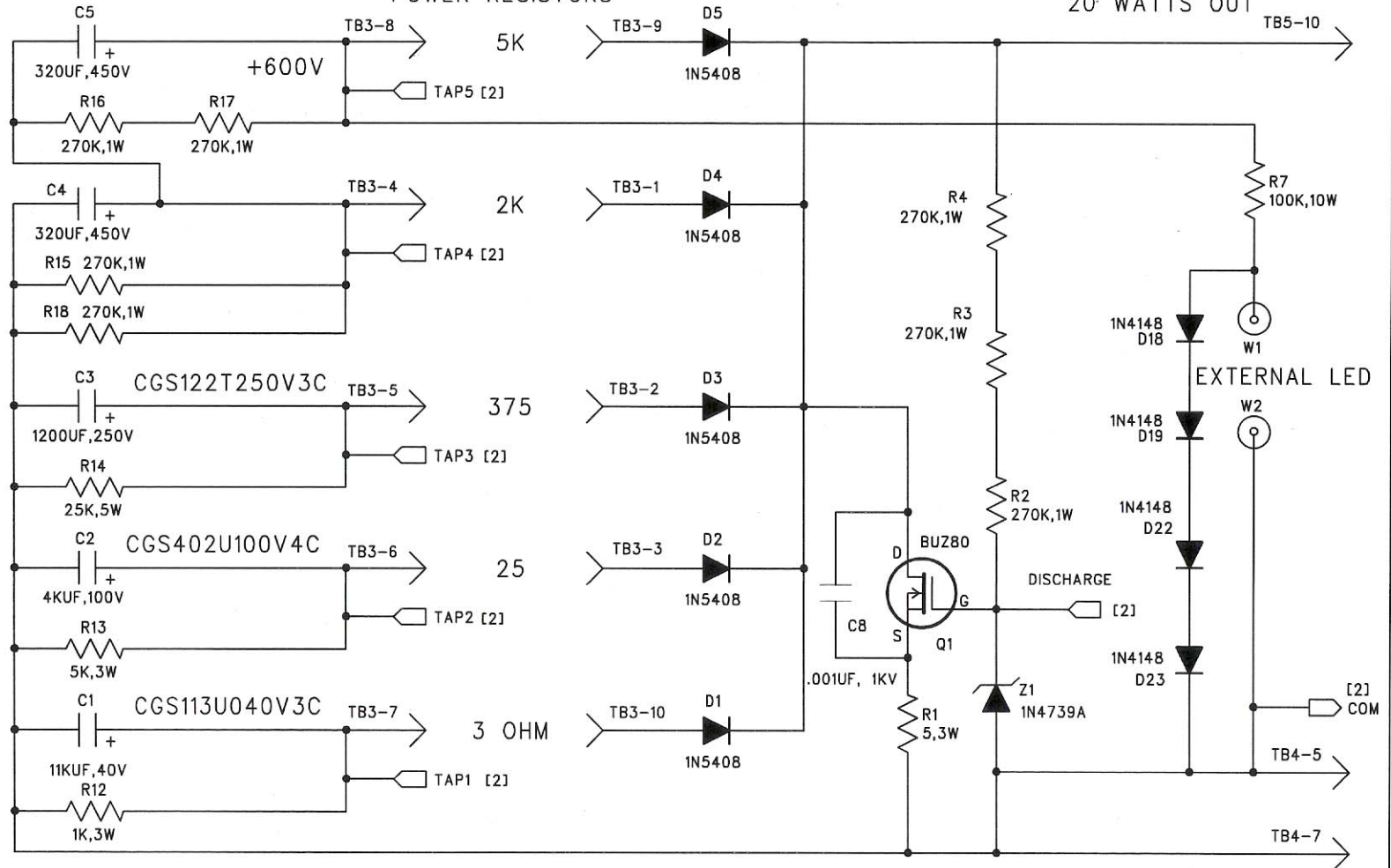


TITLE	B407B PC BOARD FOR RAW BIAS SUPPLY FEC100/200									
Dwg#	524	Rev	B	Date	03/17/95	Sheet	2	of	2	FROTHINGHAM ELECTRONICS CORP

CGS321T450V3C
2 PLACES

TO EXTERNAL
100 WATT
POWER RESISTORS

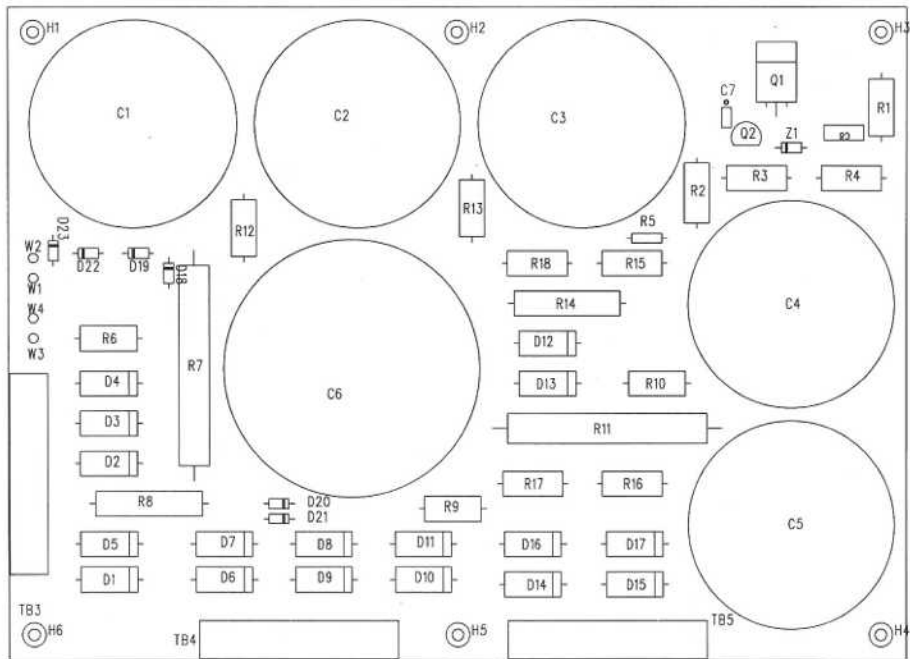
20 WATTS OUT

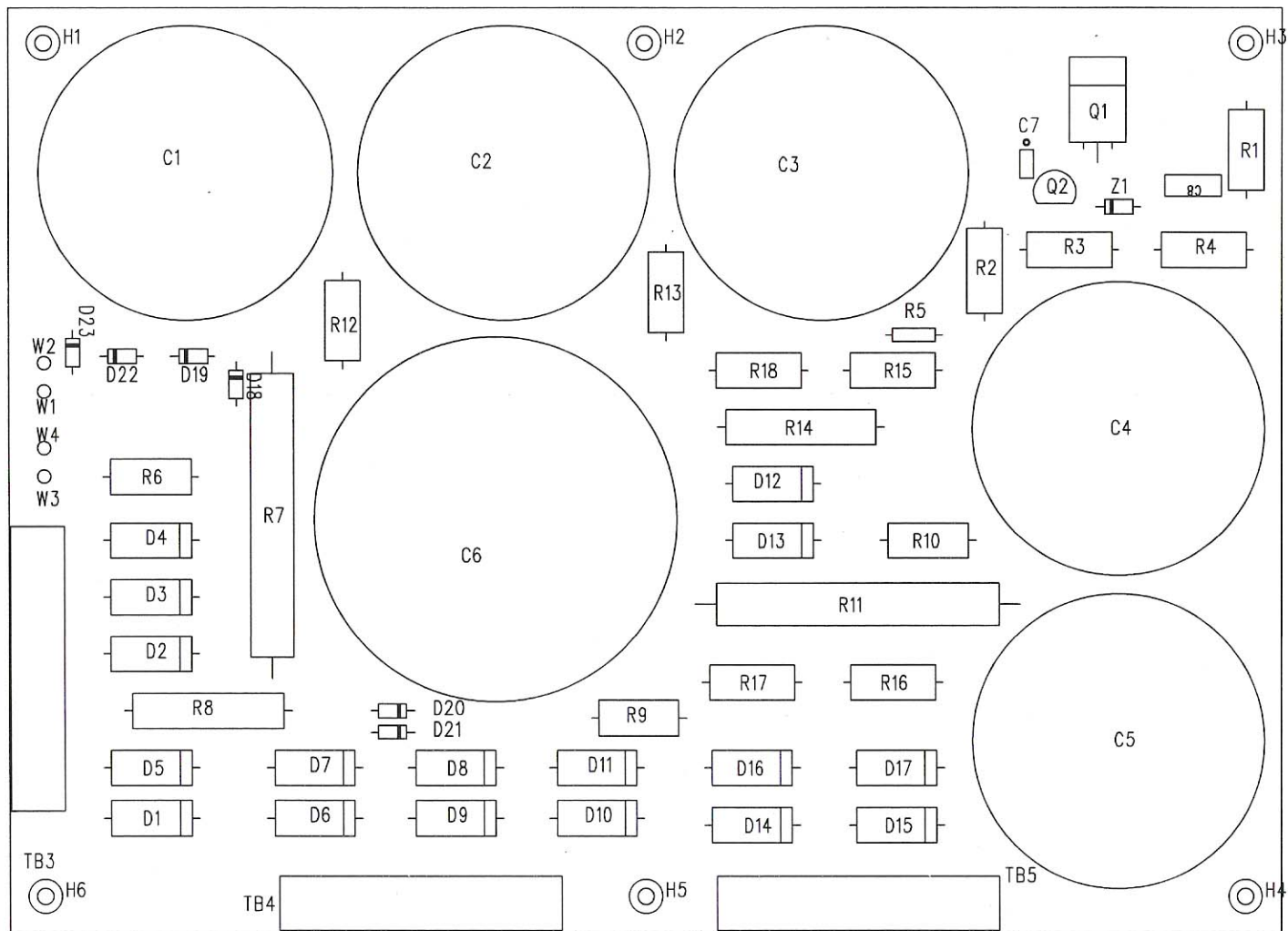


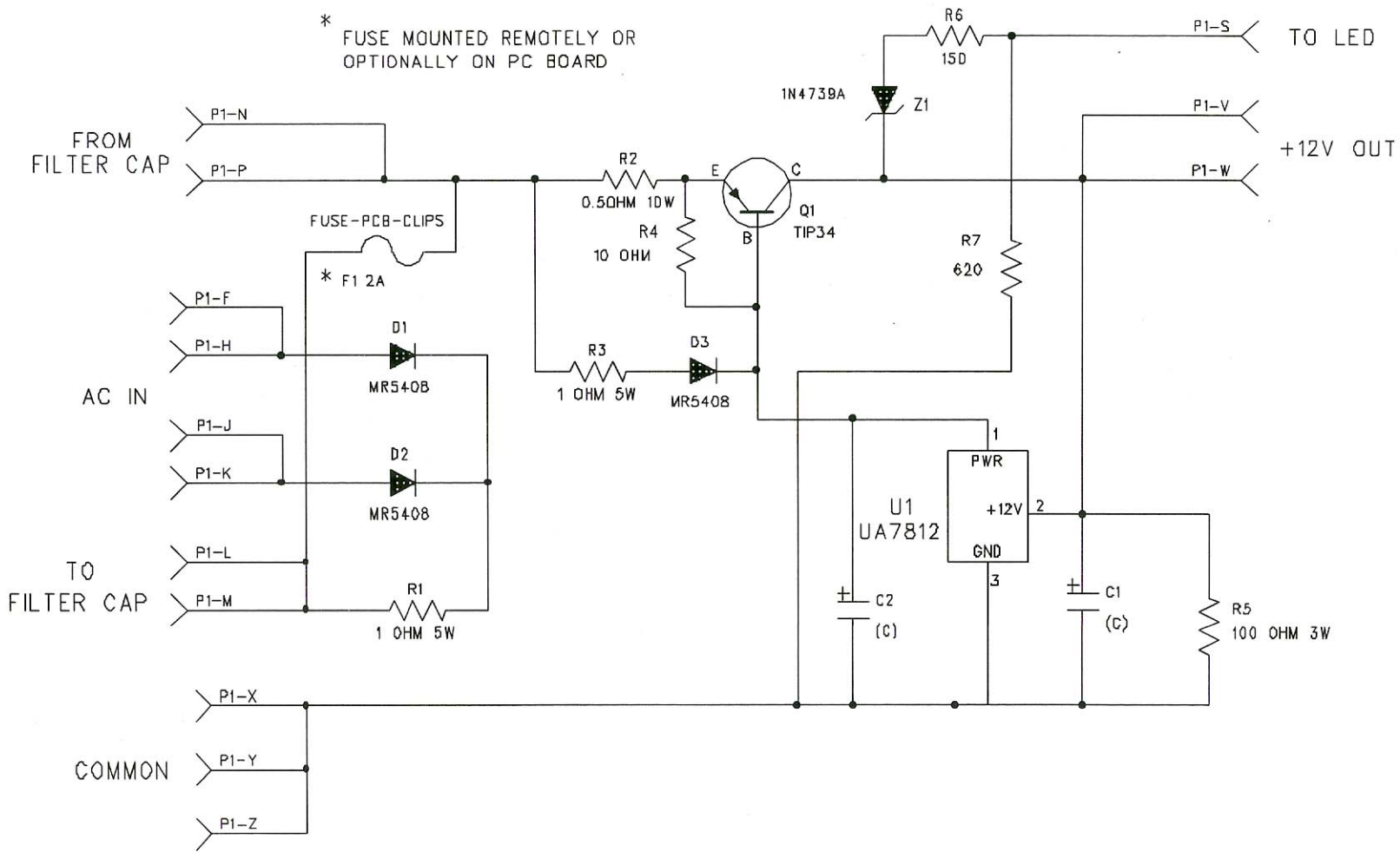
CAPACITORS MAY VARY, REPLACE WITH EITHER SAME TYPE OR WITH VALUES SHOWN HERE

TITLE B407B PC BOARD FOR RAW BIAS SUPPLY FEC100/200

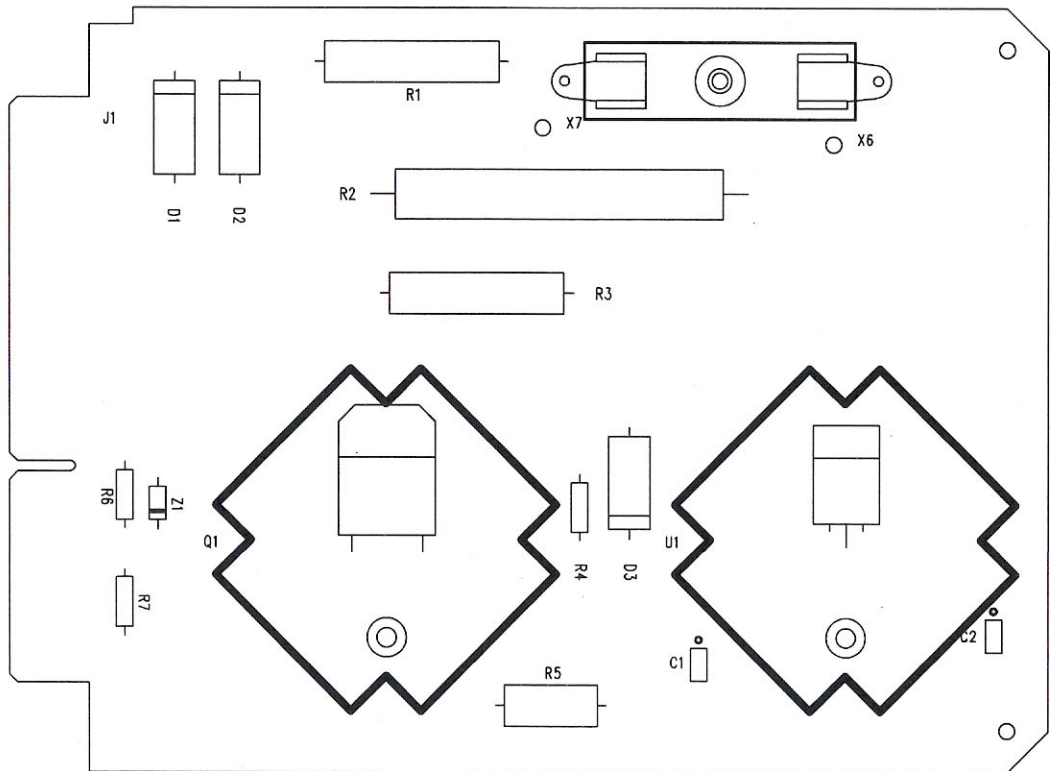
Dwg# 524 Rev B Date 03/17/95 Sheet 1 of 2 FROTHINGHAM ELECTRONICS CORP

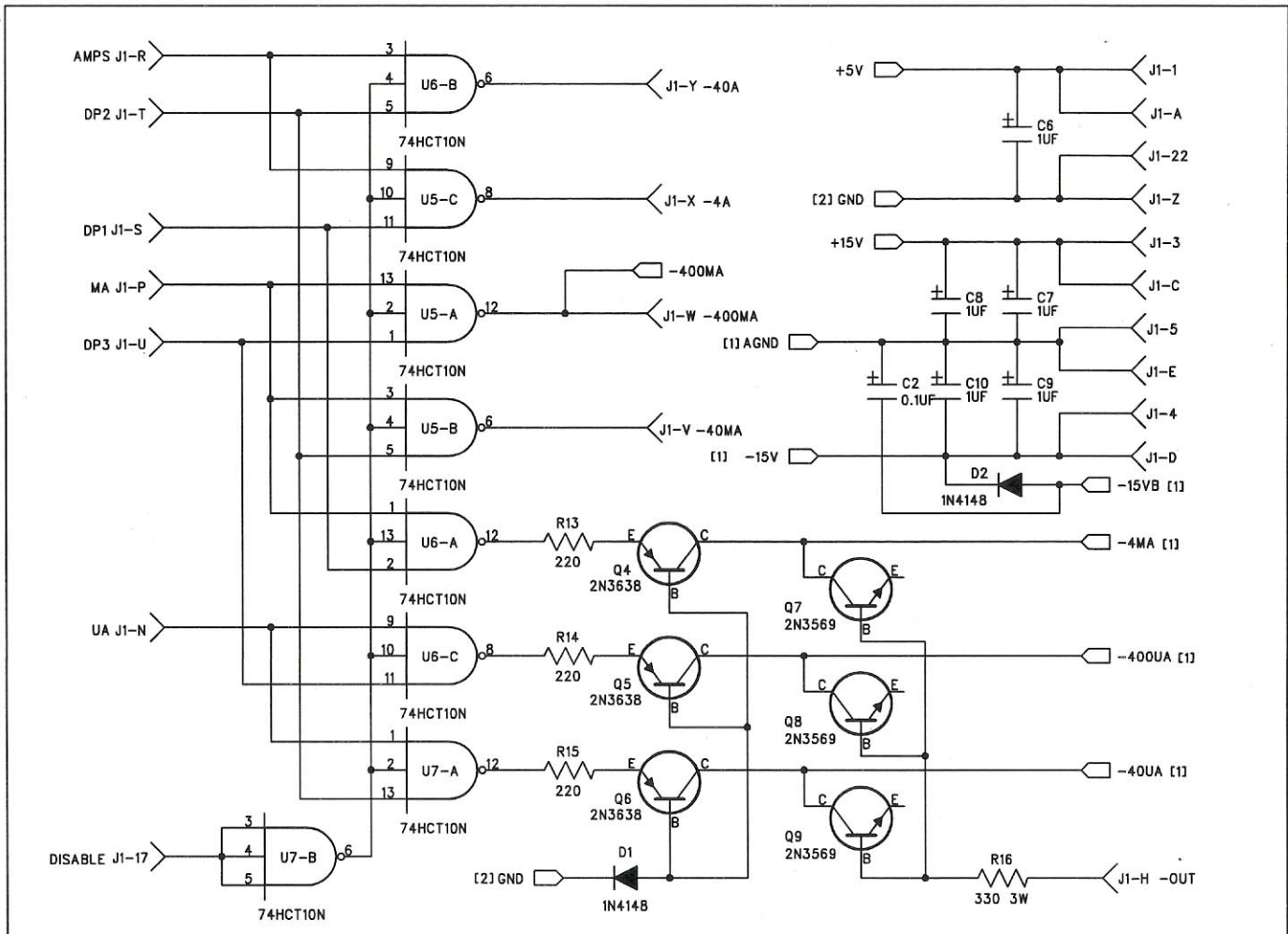




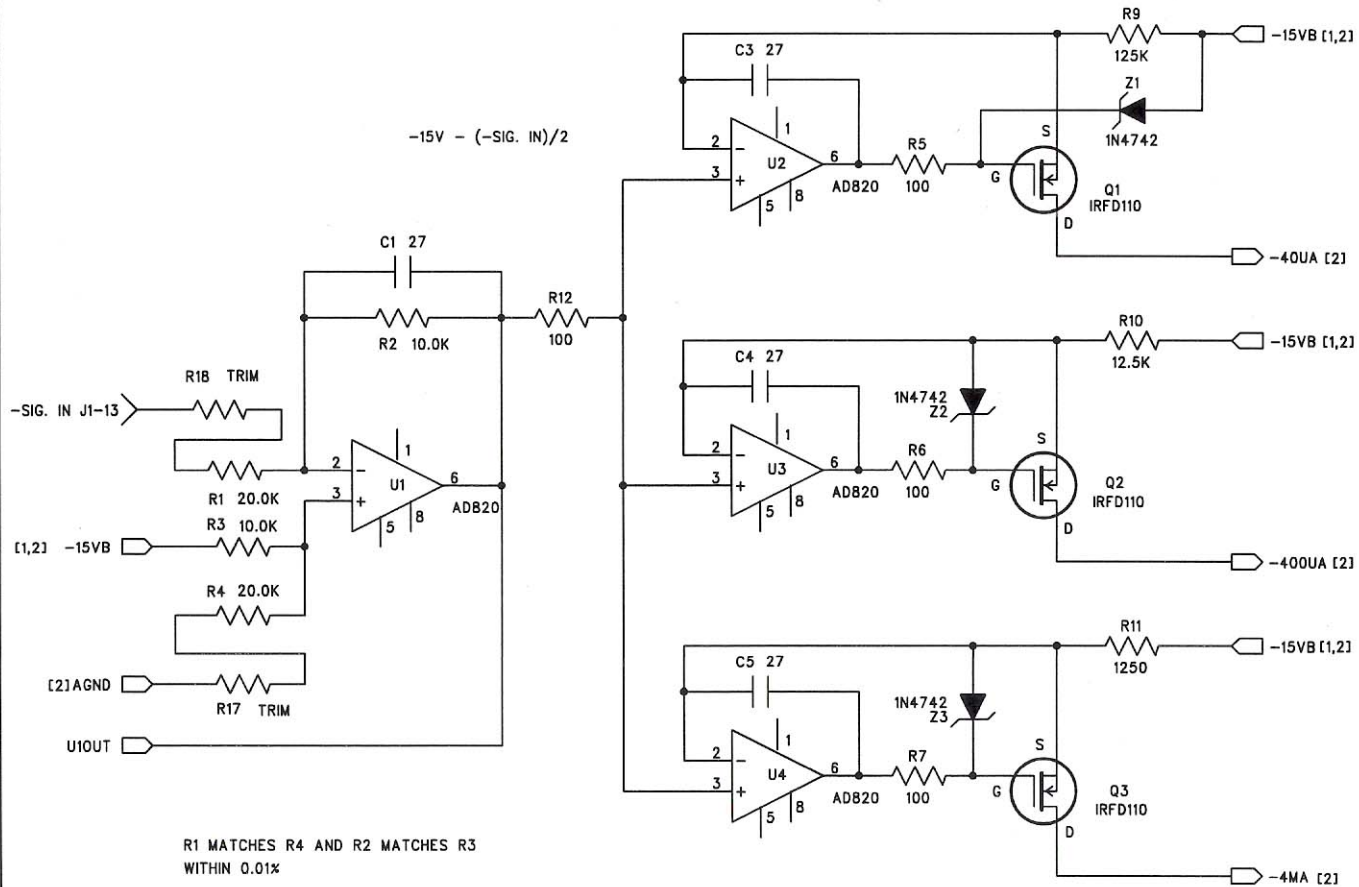


FUSE HOLDER OPTIONAL

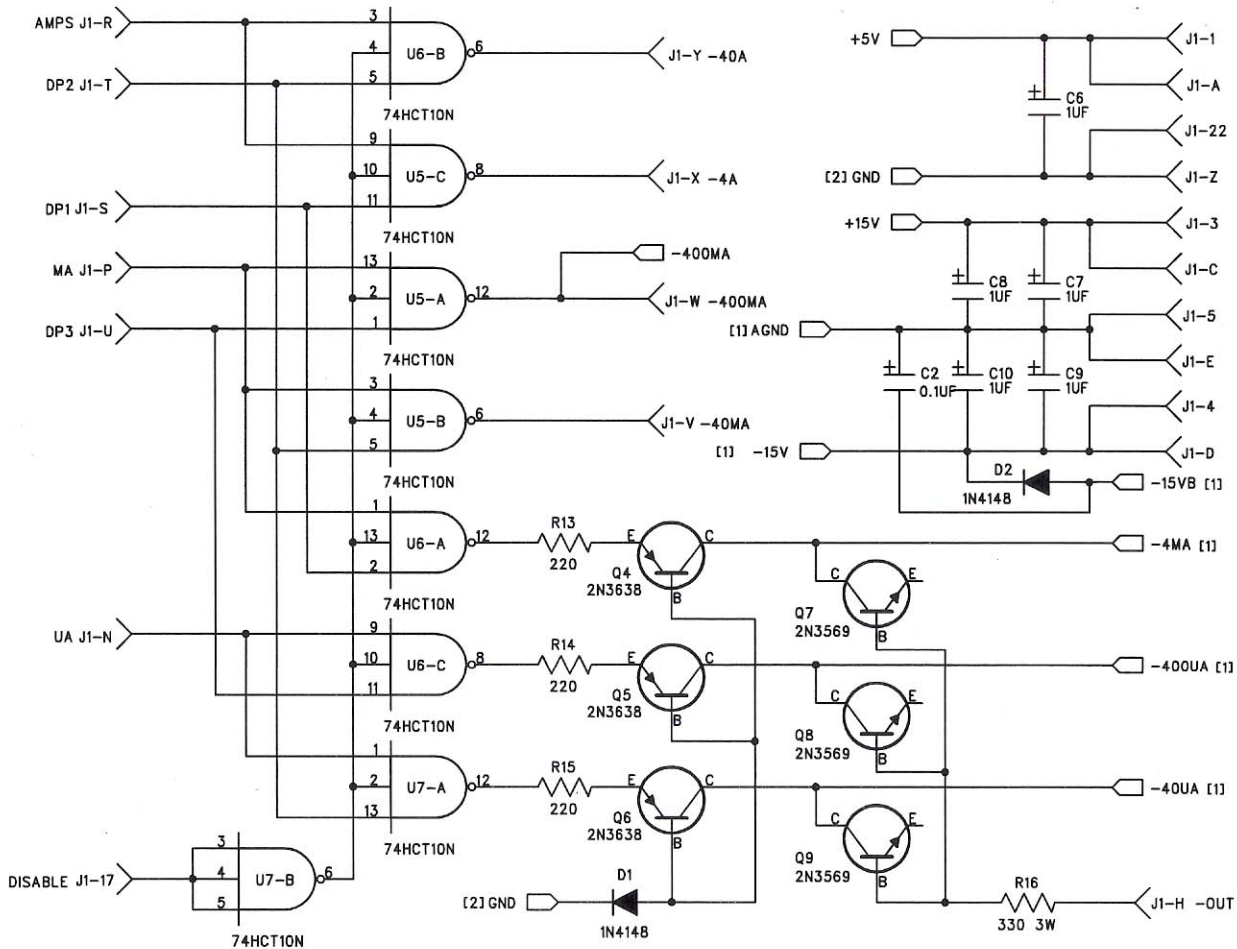




TITLE	B400E -REFERENCE CURRENT GENERATOR									
Dwg#	SB400E	Rev	1.00	Date	06/09/04	Sheet	2	of	2	FROTHINGHAM ELECTRONICS CORP

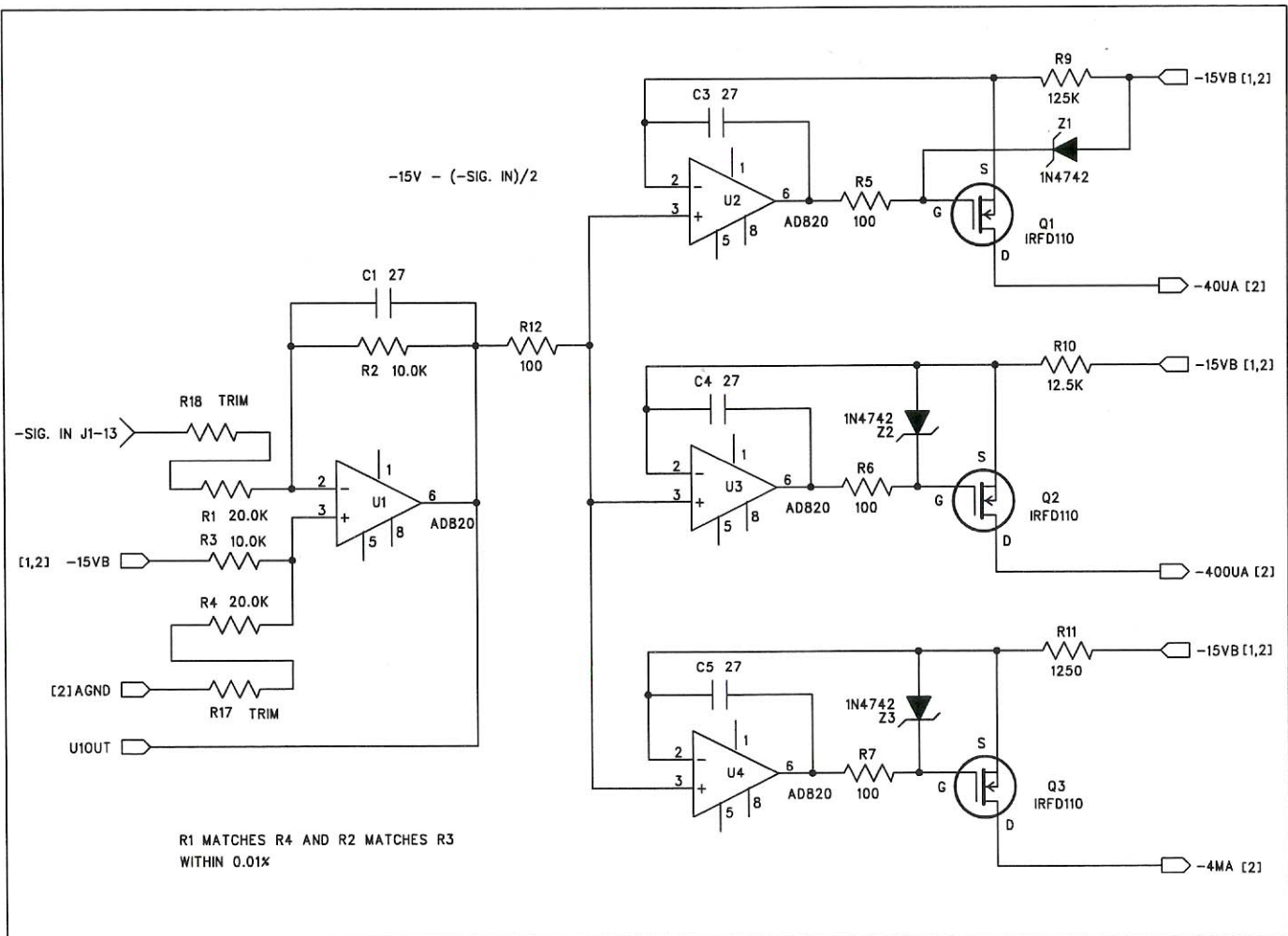


TITLE	B400E -REFERENCE CURRENT GENERATOR				
Dwg#	SB400E	Rev	1.00	Date	06/09/04
Sheet	1	of	2	FROTHINGHAM ELECTRONICS CORP	

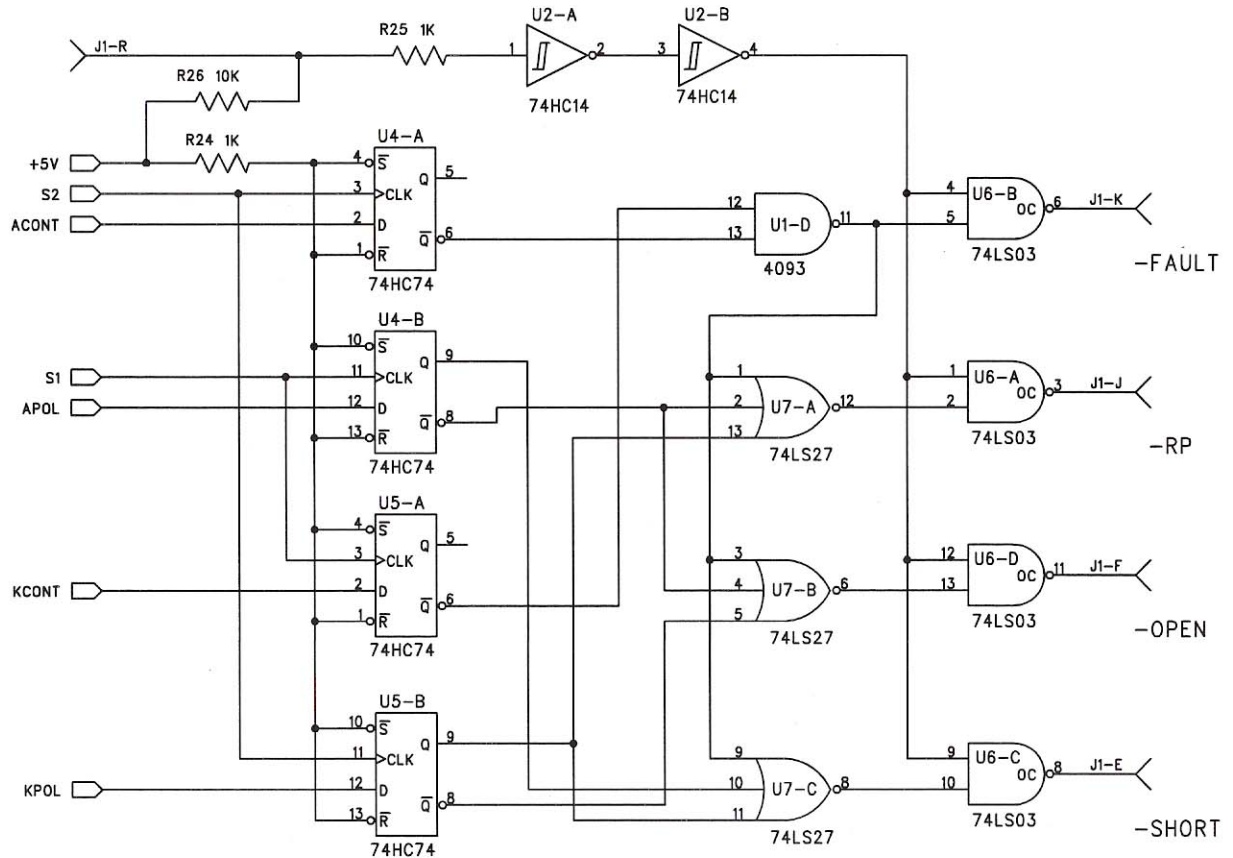


TITLE B400E -REFERENCE CURRENT GENERATOR

Dwg# SB400E Rev 1.00 Date 06/09/04 Sheet 2 of 2 FROTHINGHAM ELECTRONICS CORP



TITLE	B400E -REFERENCE CURRENT GENERATOR									
Dwg#	SB400E	Rev	1.00	Date	06/09/04	Sheet	1	of	2	FROTHINGHAM ELECTRONICS CORP



TITLE B368D POLARITY AND KELVIN CONTACT CHECK

Dwg# SB368D

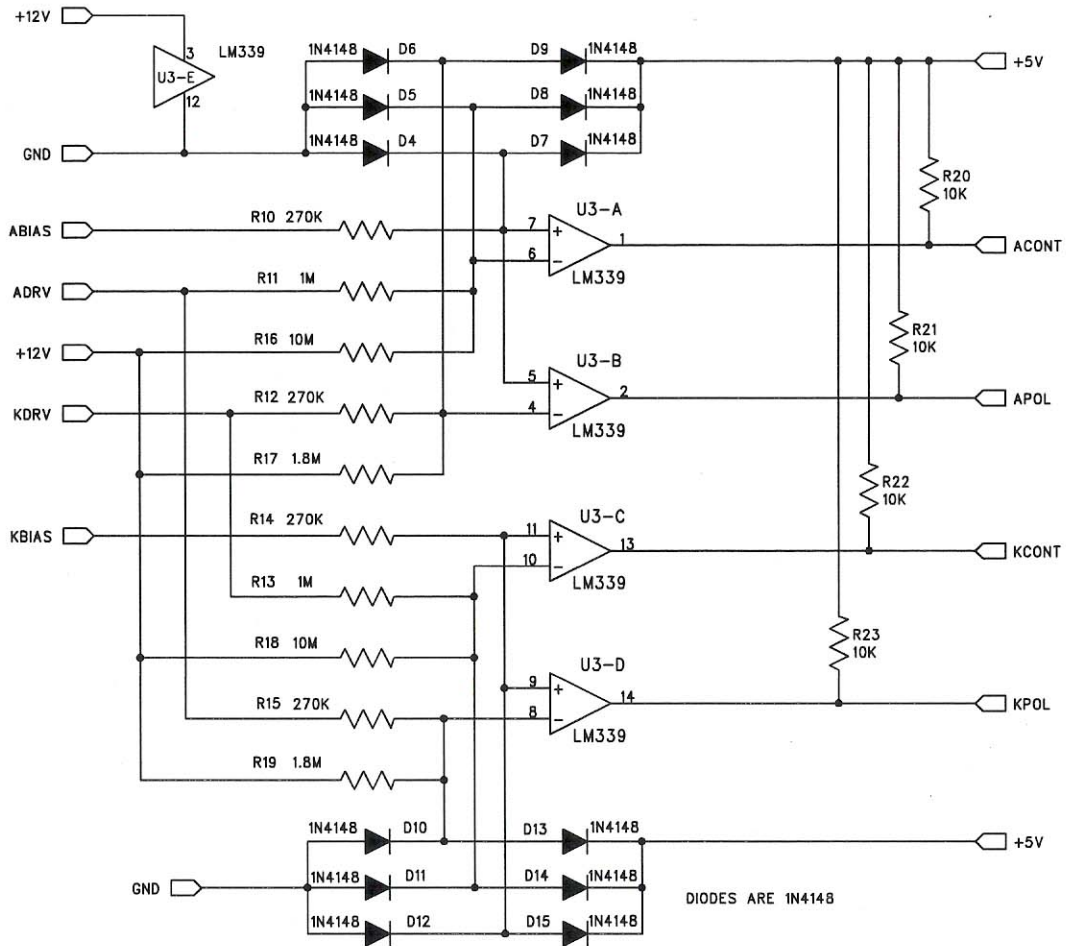
Rev 1.03

Date 10/12/05

Sheet 3

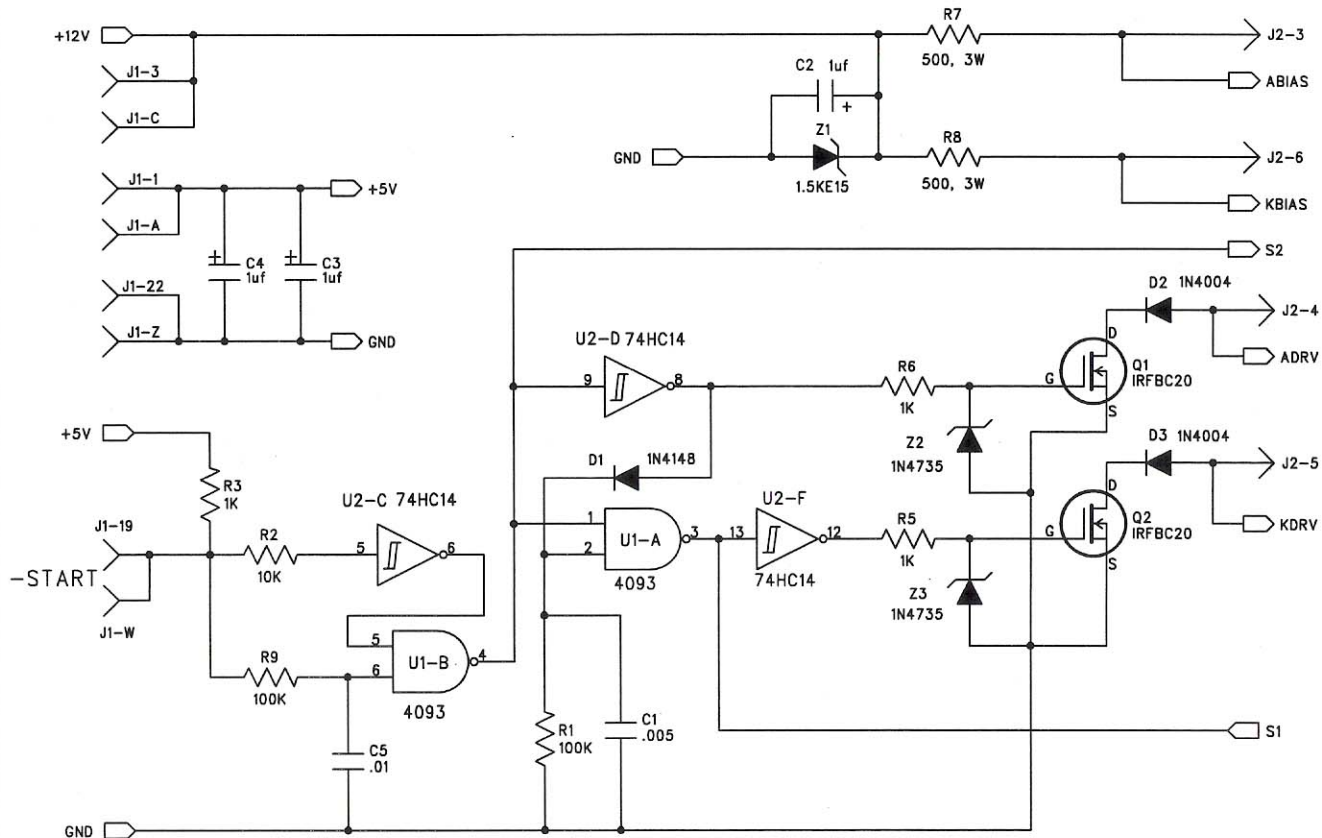
of 3

FROTHINGHAM ELECTRONICS CORP

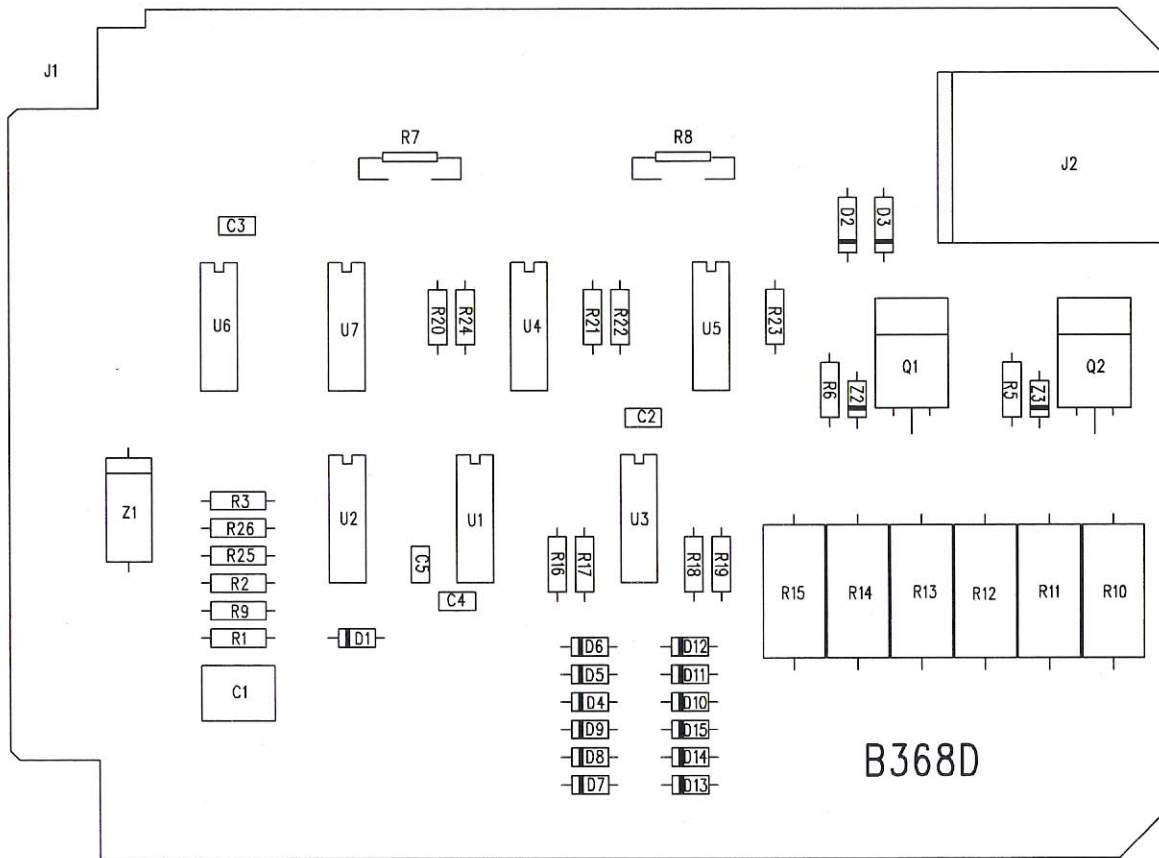


TITLE	B368D	POLARITY AND KELVIN CONTACT CHECK
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Dwg# SB368D	Rev 1.03	Date 10/12/05	Sheet 2	of 3	FROTHINGHAM ELECTRONICS CORP
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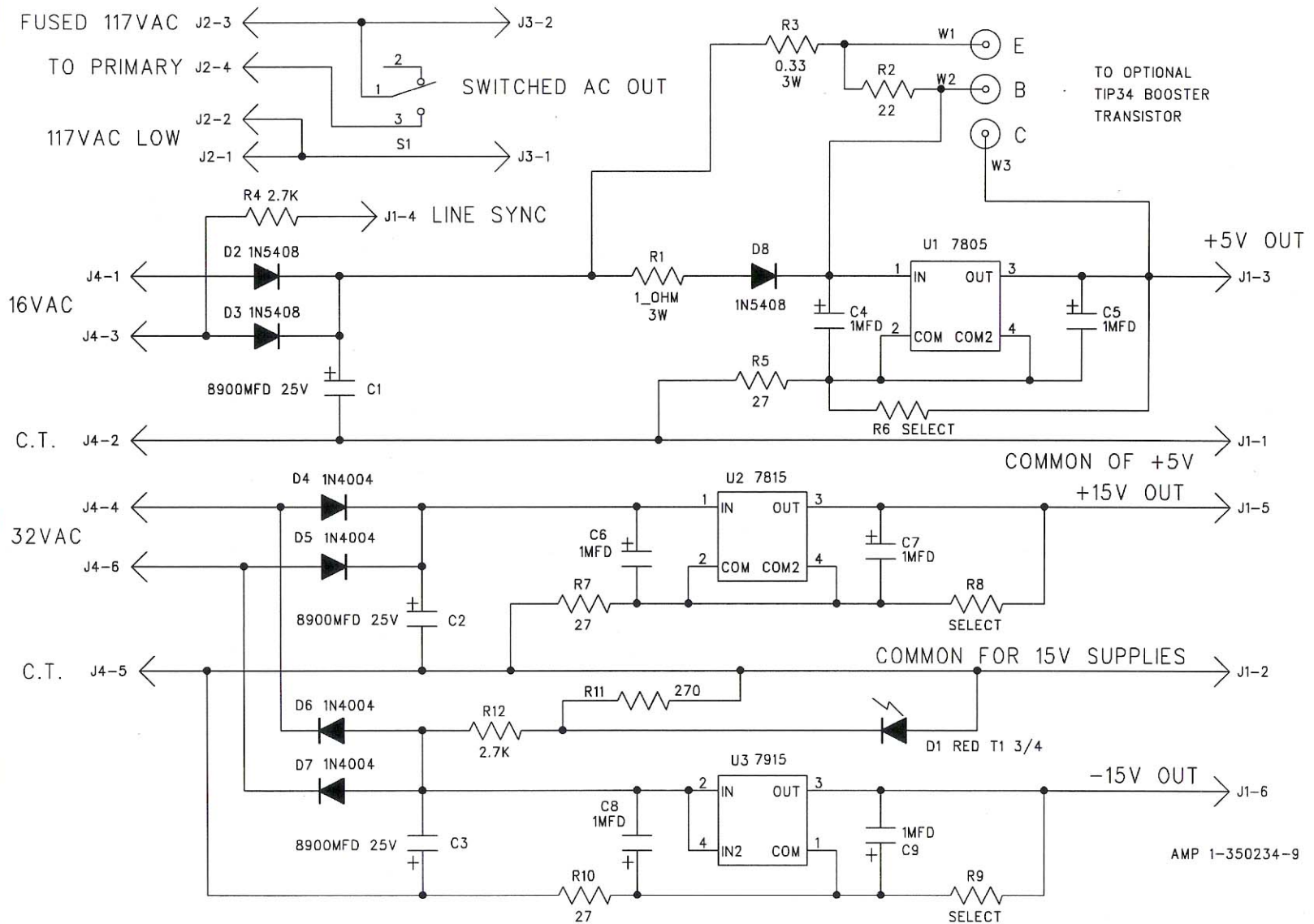


TITLE	B368D POLARITY AND KELVIN CONTACT CHECK									
Dwg#	SB368D	Rev	1.03	Date	10/12/05	Sheet	1	of	3	FROTHINGHAM ELECTRONICS CORP



B368 Assembly Drawing 04/05/99

Frothingham Electronics Corp.



AMP 1-350234-9

TITLE B362D BASE1 POWER SUPPLY REGULATOR +5V +15V -15V

Dwg# SB362D Rev 5.01 Date 04/05/99 Sheet 1 of 1 FROTHINGHAM ELECTRONICS CORP