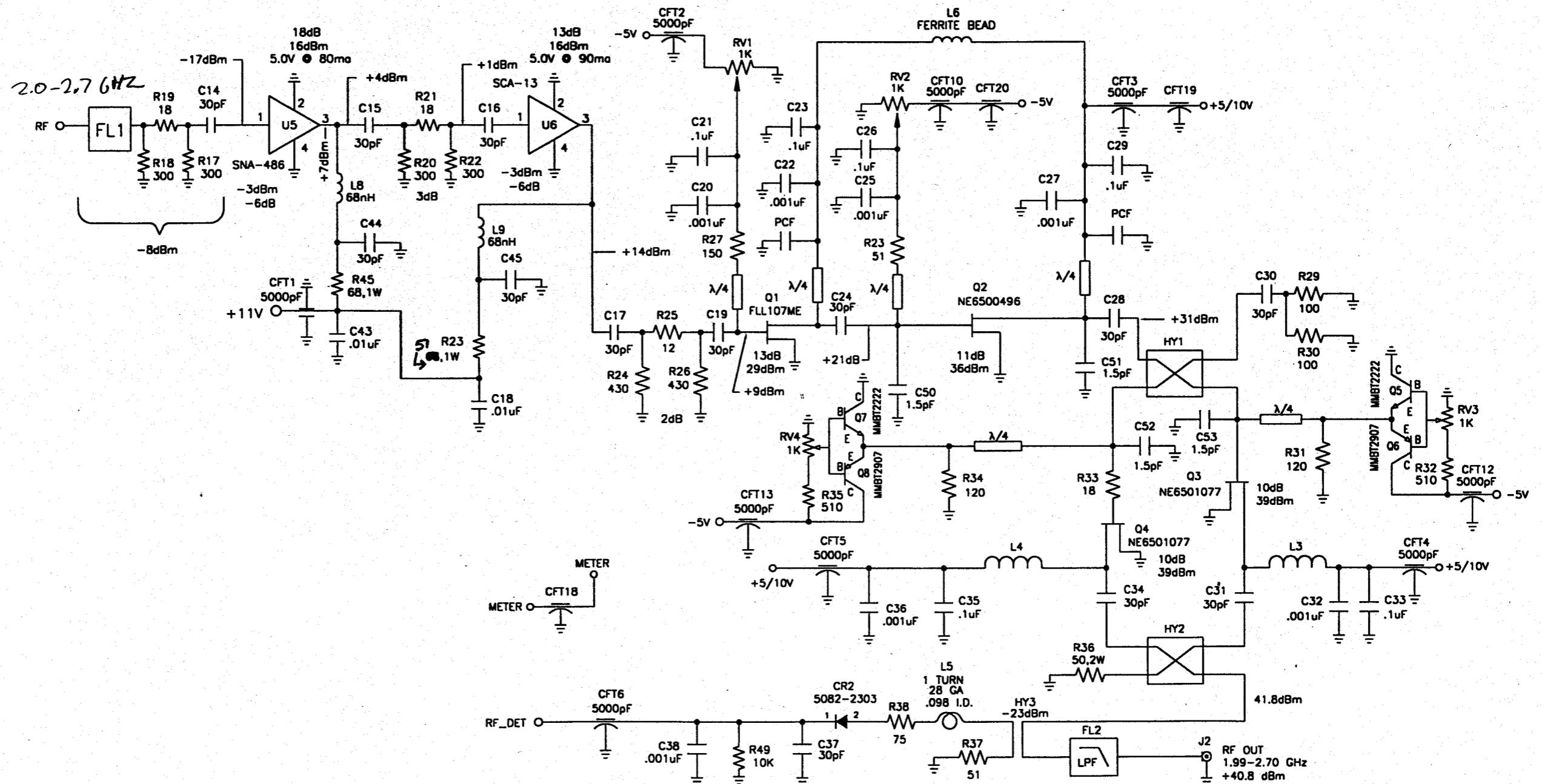


ZONE	REV	REVISION DESCRIPTION	DATE	CHG BY
	C1	SEE ECN #000147, ADDED DASH #	05/22/00	JAG
	D	SEE ECN #000147, NEW PCB ISSUED	11/07/00	JAG

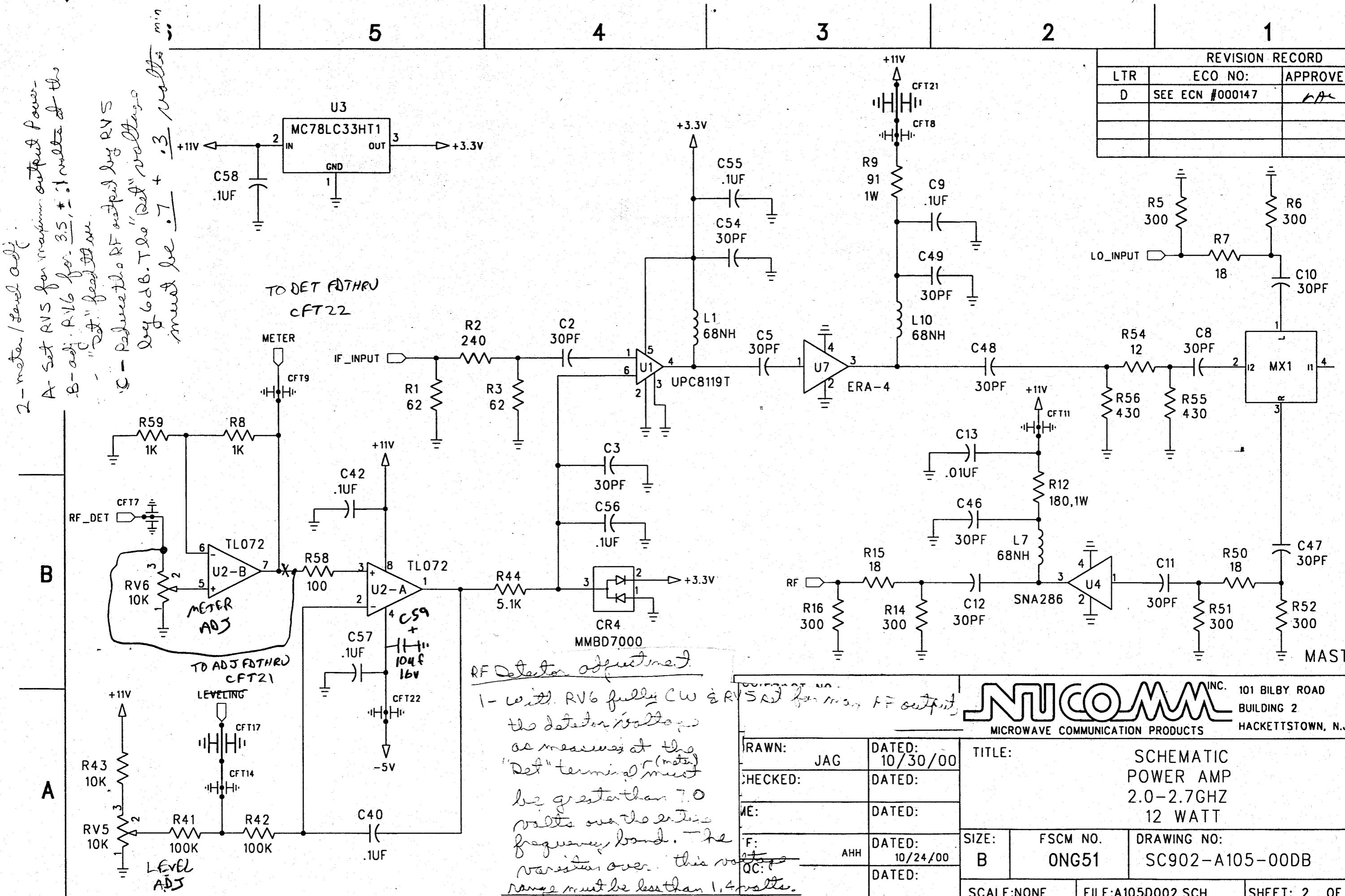


MAST

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. DO NOT SCALE PRINT		APPLICATIONS NEXT ASSY	CONTRACT NO.:		 SCHEMATIC 2.0-2.7 GHz 12 WATT POWER AMPLIFIER	
			DWN:	JAG		DATE 12/16/99
		CHK:				
		ME:				
ANGLES	.XX	.XXX	EE:	JBP		SIZE B
8°-15'	±.01	±.005		2/23/00		FSCM NO. 0NG51
MACHINE SURFACE 64 EXCEPT AS NOTED ✓			QC:			DWG NO. SC902-A105-00DB
SCHEMATIC				SCALE: ~		FILE #: A105D001.DWG

**SCHEMATIC
2.0-2.7 GHz 12 WATT
POWER AMPLIFIER**

JAG NOV 22, 2000 9:37 AM



Detector adjustment.

- With RV6 fully CW & RV5
the detector voltage
as measured at the
"Det" terminal ^(meter) must
be greater than 7.0
volts over the entire
frequency band. The
varistor over this voltage
range must be less than 1.4 mV.

- with RV6 fully CW & RV5 set for max AF output, +12 dB for interface

as measured at the
"Ref" terminal (meter)

be greater than 7.0

volts over the entire frequency band. This

Wester over. The range must be less than

RAWN:	JAG	DATED: 10/30/00
CHECKED:		DATED:
ME:		DATED:
F:	AHH	DATED: 10/24/00
QC:		DATED:

TITLE:

SCHEMATIC
POWER AMP
2.0-2.7GHZ
12 WATT

DRAWING NO:

DRAWING NO.:

SC902-A1

A105D002.SCH

SCALE: NONE

SIZE: B FSCM NO: ONG51

SCALE: NONE

DRAWING NO. SC902-A105-00DB

FILE:A105D002.SCH

1. **What is the primary purpose of the study?**

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4

4

1

ZONE	REV	REVISION DESCRIPTION	DATE	CHG BY	APPROVED
	B	REVISED RELEASE #719	01/15/03	WCB	LAC
	C	SEE ECN #030015 NEW PCB ISSUED	5/19/03	WCB	JBP

— AFTER ALL PARTS ARE SOLDERED
— APPLY HEATSINK COMPOUND ON TOP OF U3 AND
SPREAD TO CONTACT L7 AND C20

TOP OF PCB

TYP INSTALLATION OF E10,E11,E23,E26
E15 - E16 E6 - E9

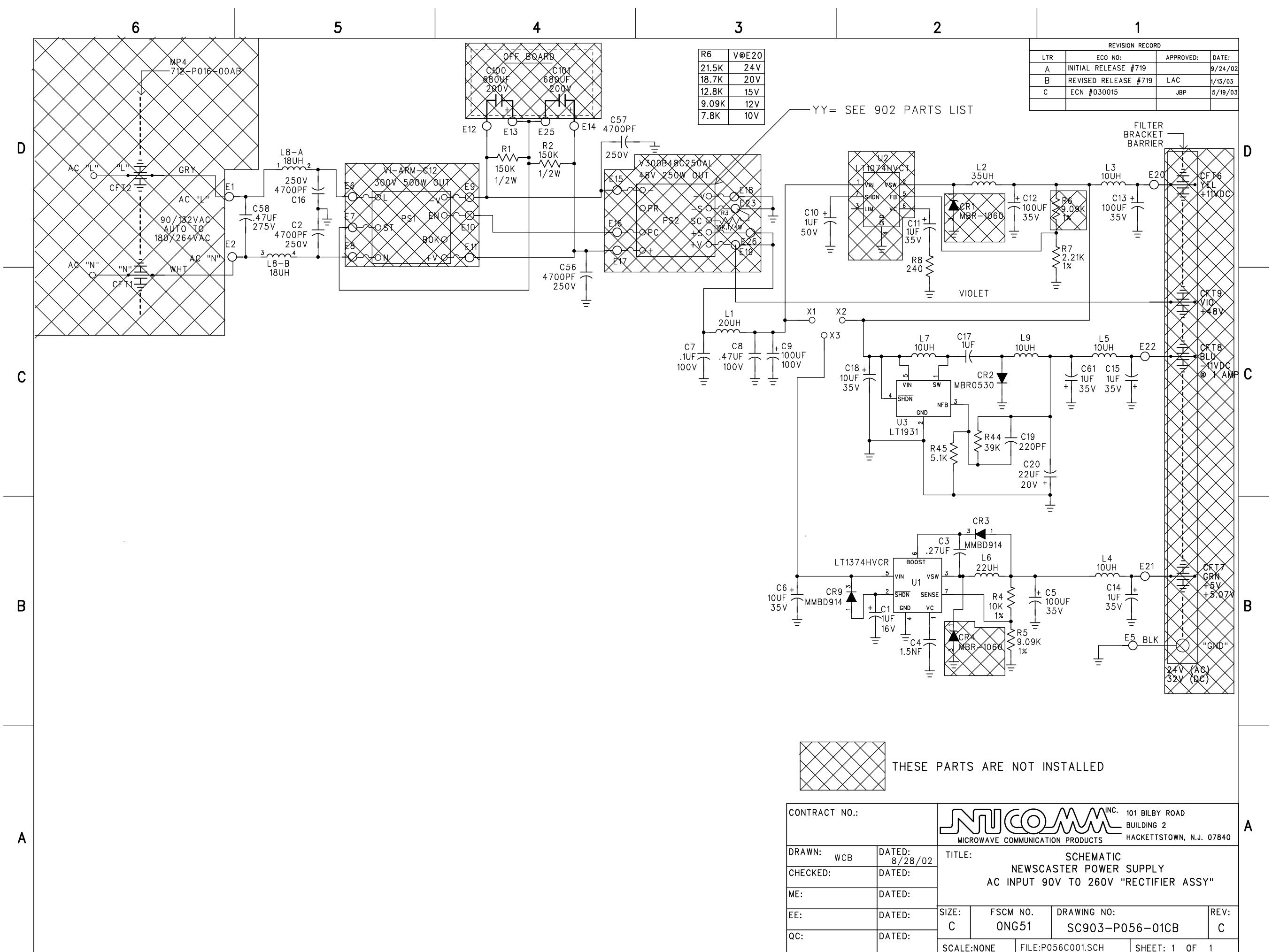
DETAIL A

NUCOMM INC.
721-P056-00CA REV C

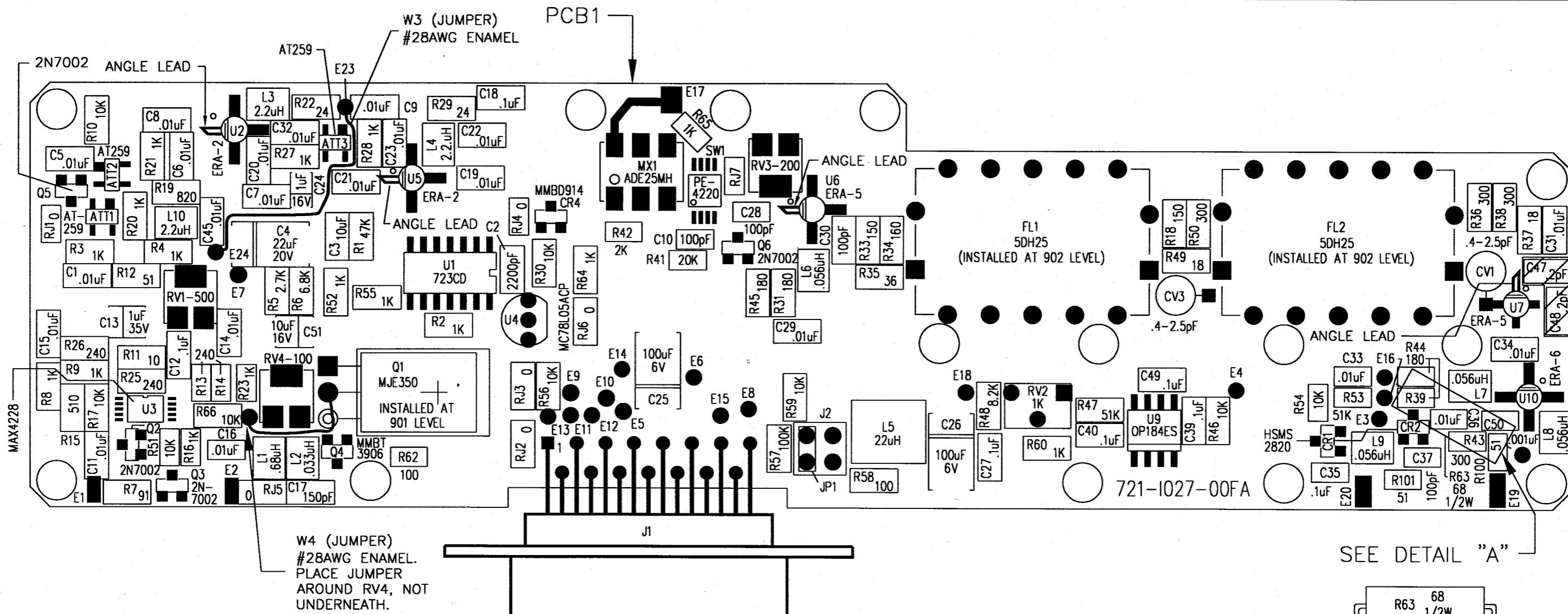
1 USE A SMALL AMOUNT OF RTV
UNDER C58.

MASTER

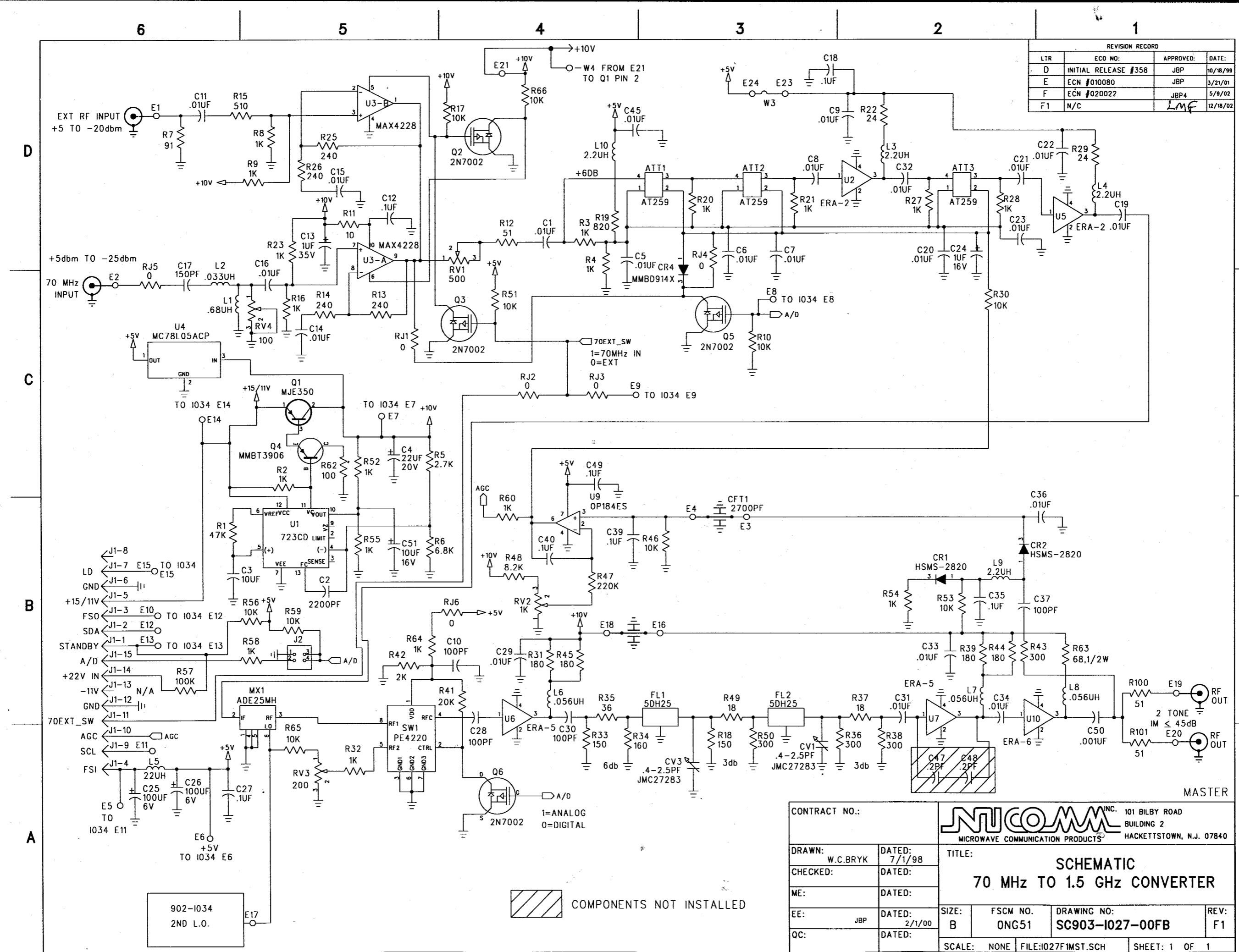
APPLICATIONS	CONTRACT NO.:				101 BILBY ROAD	
NEXT ASSY					BUILDING 1	
	DWN: WCB	DATE 8/29/02	HACKETTSTOWN, N.J. - 07840			
	CHK:		NEWSCASTER POWER SUPPLY PCB			
	ME:		AC INPUT 90V TO 260V			
	EE:		SIZE B	FSCM NO. 0NG51	DWG NO. AS903-P056-00CB	REV C
	QC:		SCALE: NTS	FILE #: P056C001.DWG	SHEET 1 OF 1	



ZONE	REV	REVISION DESCRIPTION	DATE	CHG BY	APPROVED
	F	SEE ECN #020022, NEW PCB ISSUED	09/03/02	RMM	LMF
	F1	CHANGE BARE WIRES TO ENAMEL & U9 BEVEL EDGE	12/18/02	JAG	LMF



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. DO NOT SCALE PRINT	APPLICATIONS		CONTRACT NO.:	
	NEXT ASSY			
TOLERANCE ON	DWN: JAG	DATE 04/13/01		
ANGLES .XX .XXX	CHK:			
0°-15° ±.01 ±.005	ME:			
MACHINE SURFACE 64 EXCEPT AS NOTED ✓	EE:			
SCHEMATIC	QC:			
	SIZE B	FSCM NO. 0NG51	DWG NO. AS903-I027-00FB	REV F1
	SCALE: 1=1	FILE #: I027F101.DWG		
			SHEET 1 OF 1	



4

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2

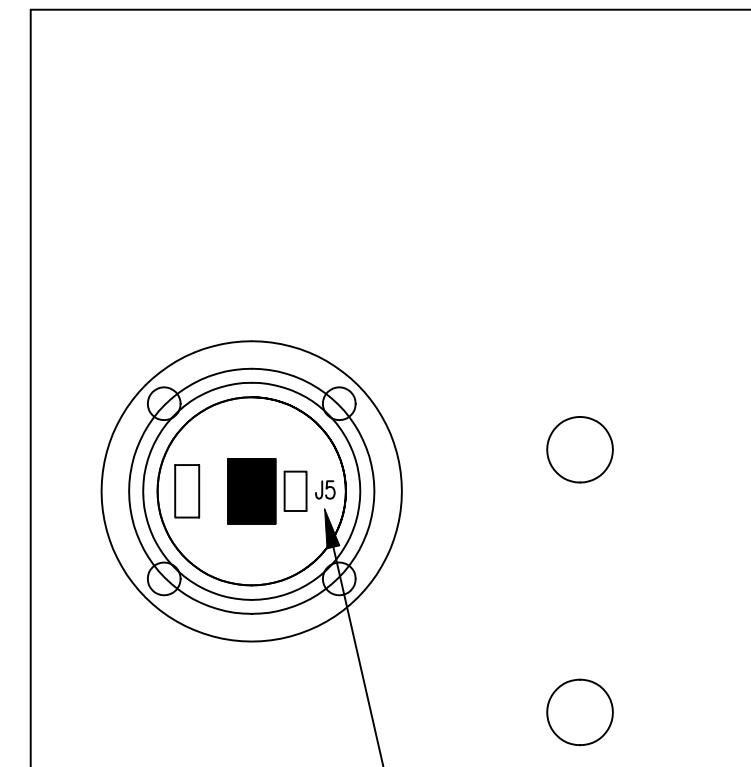
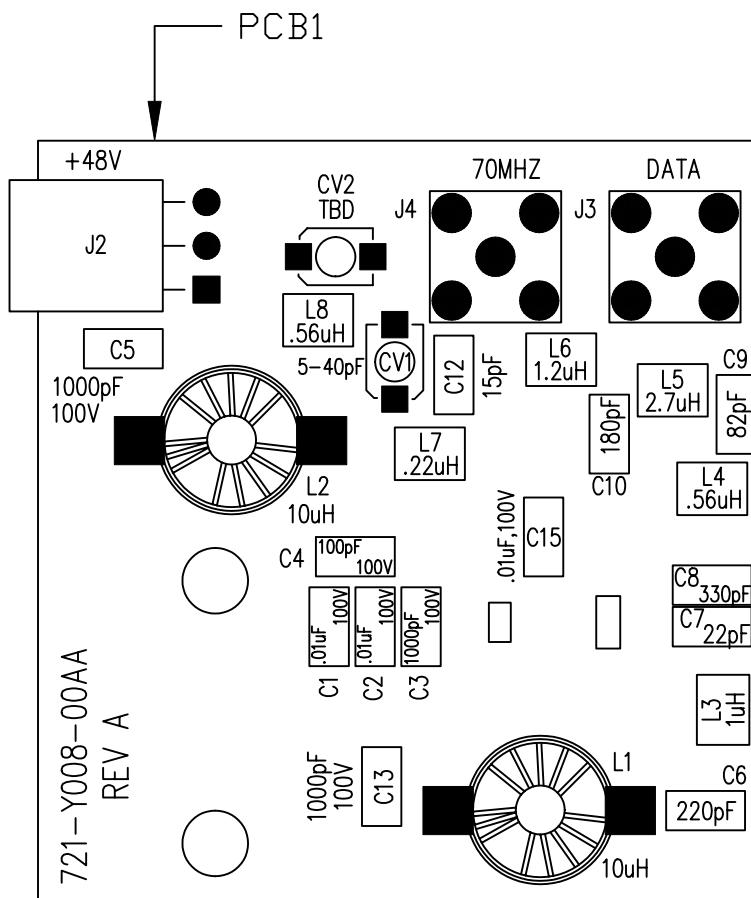
1

REVISION DESCRIPTION

ZONE	REV	REVISION DESCRIPTION	DATE	CHG BY	APPROVED
	A3	ECN #010092, ADDED REVISION	07/09/01	JAG	JPB4
	A5	ADDED NEW L1 & L2 AND CHANGED CV3/C11 DETAIL	11/19/02	JAG	LMF

D

D



INSTALL AT THE 901 LEVEL

MASTER

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. DO NOT SCALE PRINT		APPLICATIONS	CONTRACT NO.:		Nucomm™ 101 BILBY ROAD BUILDING 1 HACKETTSTOWN, N.J. - 07840	
		NEXT ASSY				
TOLERANCE ON			DWN:	DATE		
ANGLES	.XX	.XXX	JAG	11/16/00		
0°-15'	±.01	±.005	CHK:			
MACHINE SURFACE 64 EXCEPT AS NOTED ✓			ME:			
SCHEMATIC			EE:	1/17/01		
			JPB4			
			QC:			
SIZE B		FSCM NO. 0NG51	DWG NO. AS902-Y008-00AB	REV A5		
SCALE: 1=1		FILE #: Y008A501.DWG	SHEET 1 OF 1			

6

5

4

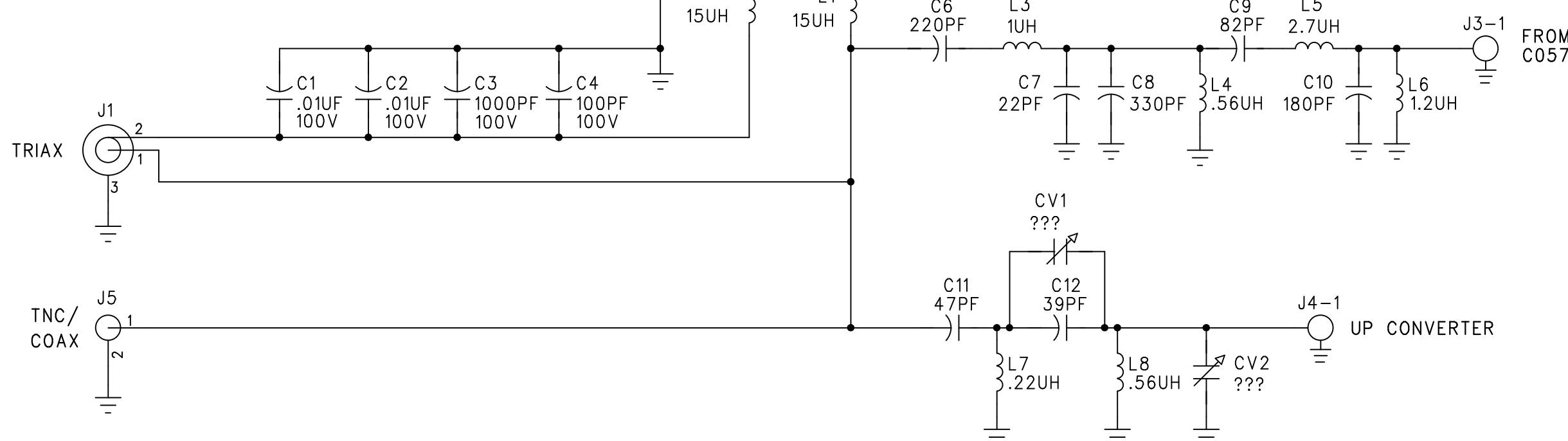
3

2

1

D

D



C

C

B

B

A

A

REVISION RECORD

REVISION:	ECN NUMBER:	APPROVED:	DATE:
A1	ECN #010048	JPB4	02/21/01
A2	ECN #010092	JPB4	04/09/01
A3	ECN #010092, ADD REVISION	JPB4	7/9/01
A5	ADDED NEW L1 & L2		11/19/02

MASTER

CONTRACT NO.:


 101 BILBY ROAD
 BUILDING 2
 HACKETTSTOWN, N.J. 07840

DRAWN: JAG DATED: 11/13/00

TITLE:

CHECKED: DATED:

ME: DATED:

EE: JPB4 DATED: 1/17/01

QC: DATED:

SIZE: B FSCM NO. ONG51 DRAWING NO: SC902-Y008-00AB REV: A5

SCALE: NONE FILE: Y008A500.SCH SHEET: 1 OF 1

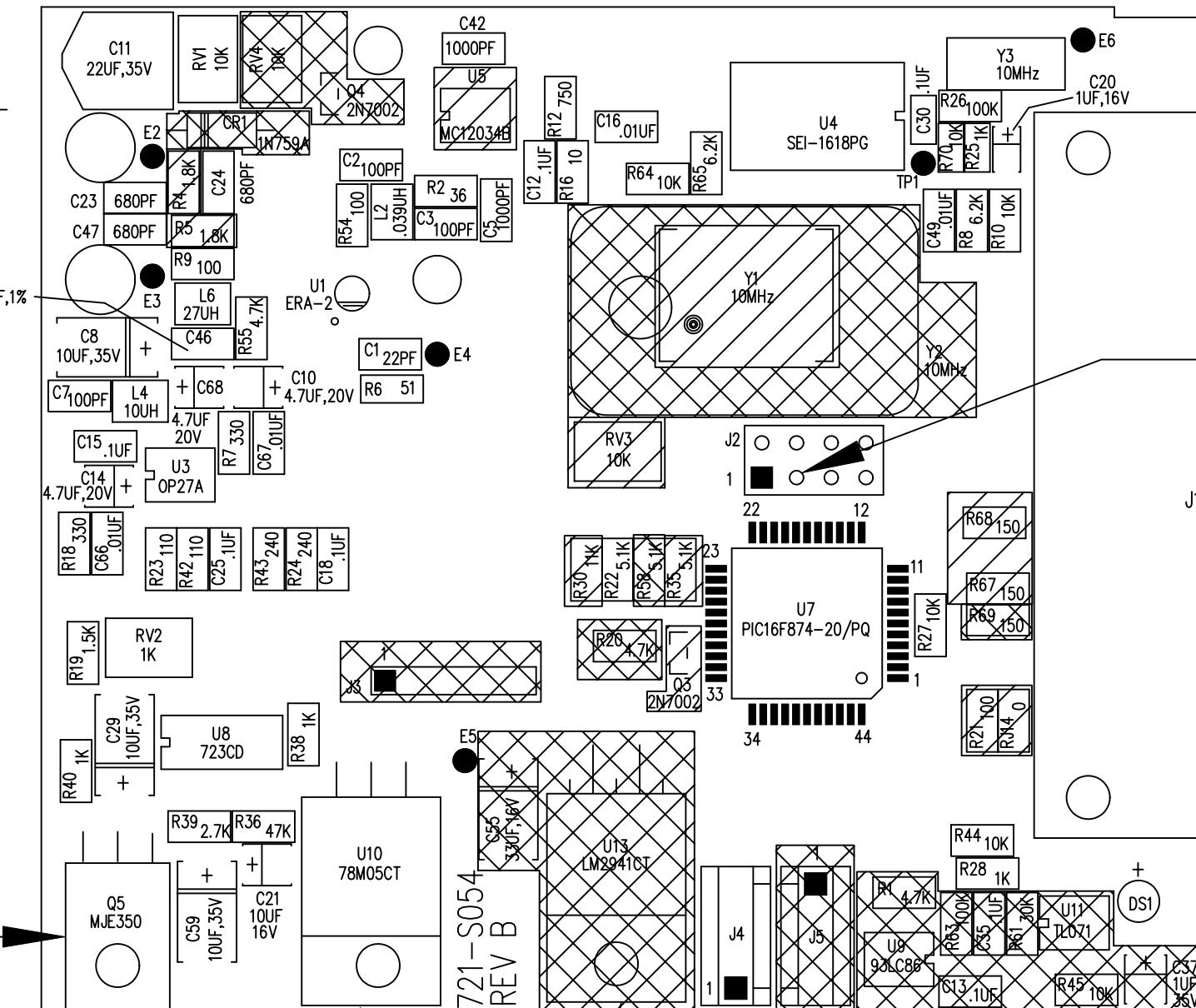
 SCHEMATIC
 TNC/TRIAx INTERCONNECT

INDICATES COMPONENTS
INSTALLED AT 903 LEVEL

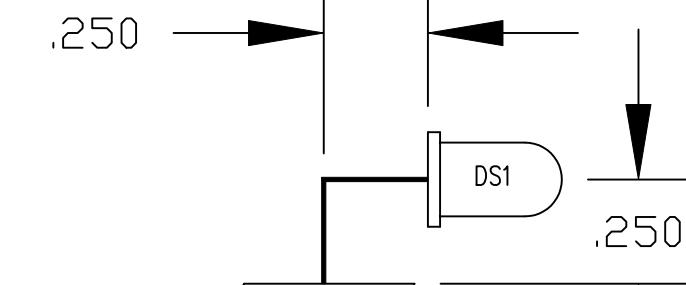
ZONE	REV	REVISION DESCRIPTION	DATE	CHG BY	APPROVED
	C	SEE ECN #010142 NEW PCB ISSUED	8/13/01	WCB	JPB
	C1	REVISED	09/23/02	RMM	LMF

INDICATES COMPONENTS
INSTALLED AT THIS LEVEL

INDICATES COMPONENTS
NOT INSTALLED



CUT PIN 3 FLUSH



VIEW "A-A"

UNLESS OTHERWISE
SPECIFIED DIMENSIONS
ARE IN INCHES.
DO NOT SCALE PRINT

TOLERANCE ON

ANGLES .XX .XXX

0°-15° ±.01 ±.005

MACHINE SURFACE 64
EXCEPT AS NOTED ✓

SCHEMATIC

APPLICATIONS
NEXT ASSY

CONTRACT NO.:

Nucomm™

101 BILBY ROAD
BUILDING 1
HACKETTSTOWN, N.J. - 07840

**MICROPROCESSOR
CONTROL BOARD**

DWN: WCB

DATE 10/3/00

CHK:

ME:

EE: JPB

6/14/01

QC:

SIZE B

FSCM NO. ONG51

DWG NO. AS902-S054-01CB

REV C1

SCALE: 1/1 FILE #: S054C101.DWG

SHEET 1 OF 2