



Raymarine Limited

8-Pulse Width Radome Radars

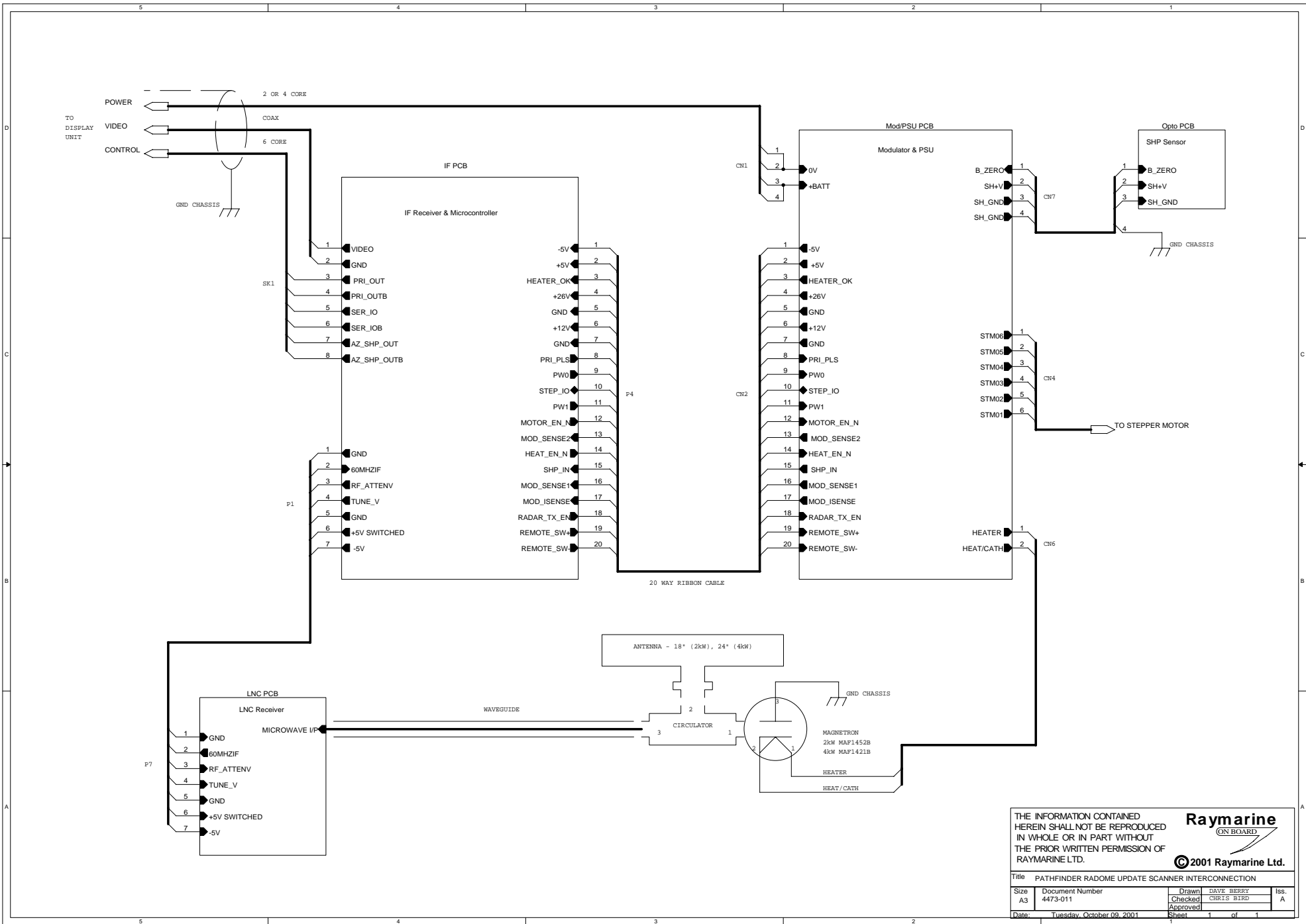
FCC ID: PJ5MTX2-8P & PJ5MTX4-8P

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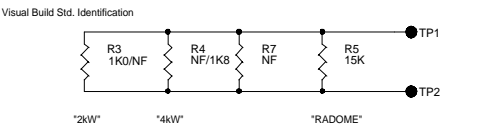
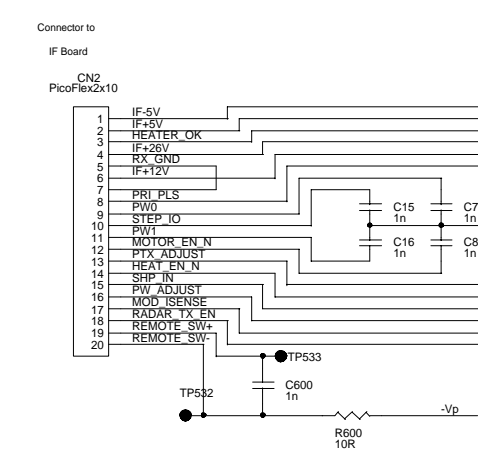
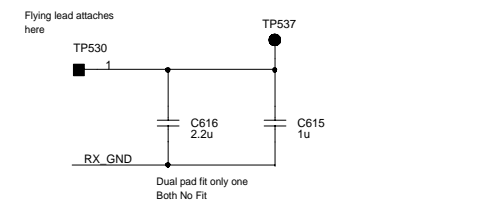
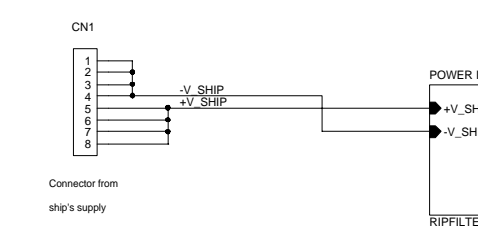
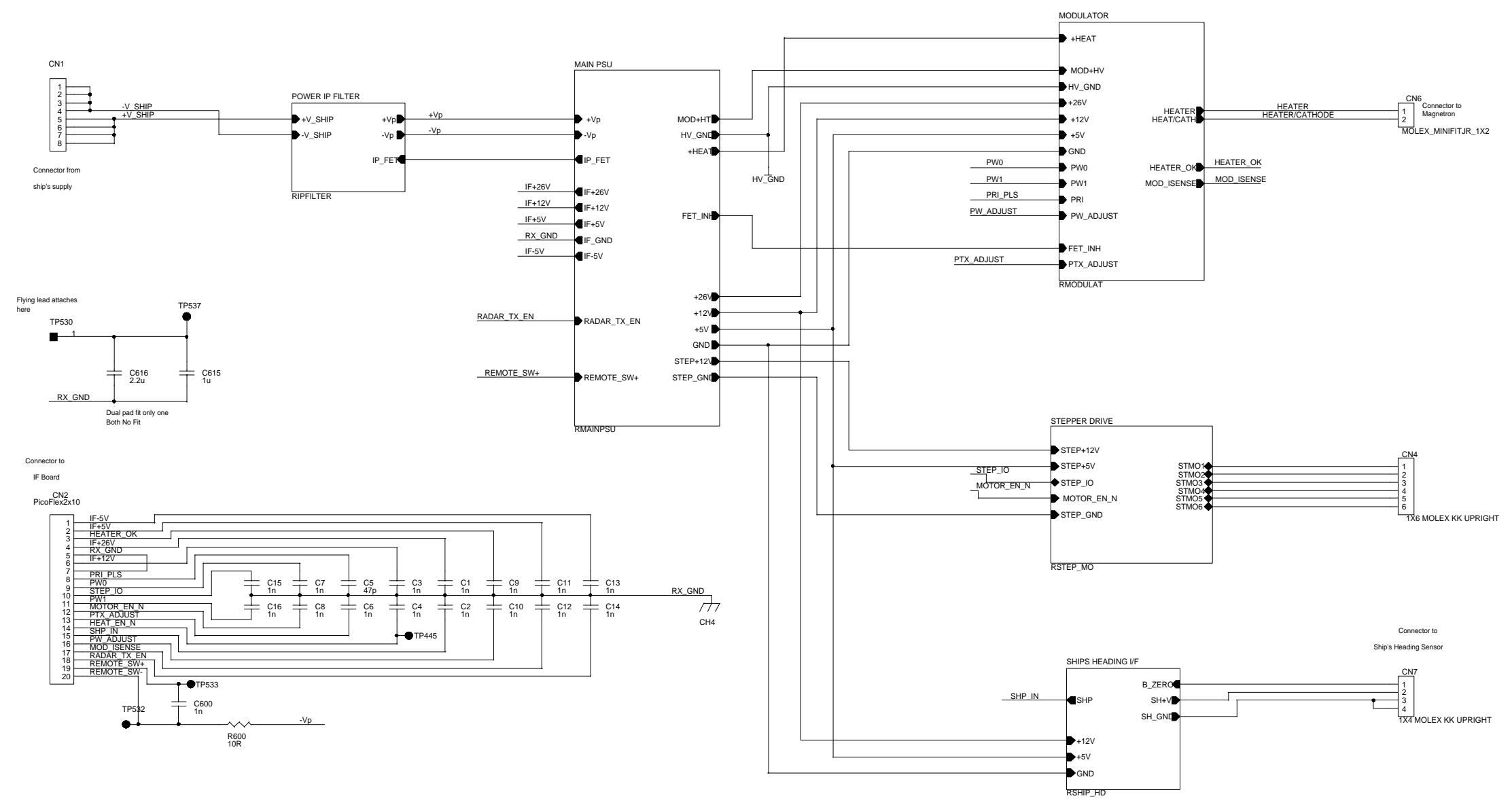


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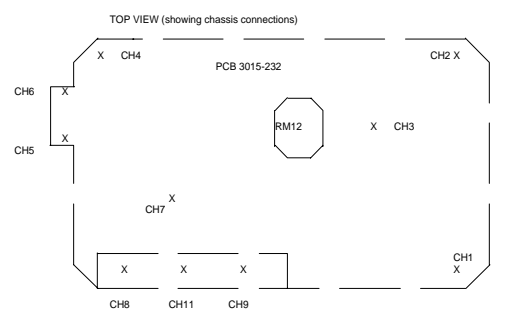
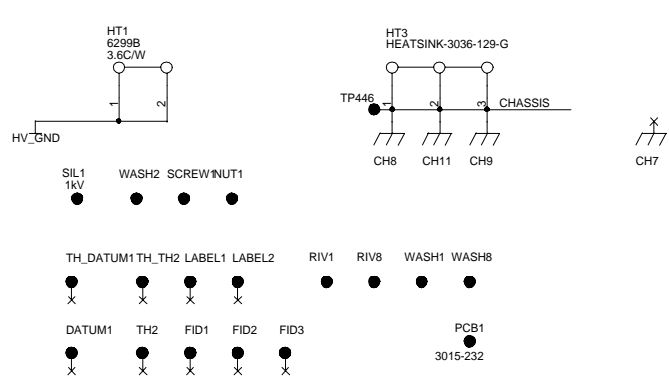
Title: PATHFINDER RADOME UPDATE SCANNER INTERCONNECTION			
Size: A3	Document Number: 4473-011	Drawn: DAVE BERRY	Iss: A
		Checked: CHRIS BIRD	
		Approved:	
Date: Tuesday, October 09, 2001		Sheet: 1	of: 1



Orcad Schematic / Part Field Allocation :

- #1 Footprint
- #2 Build Option (2R,4R,ALL,NF)
- #3 Tolerance/Rating
- #4 not used
- #5 not used
- #6 2kW Radome Build Option p/n
- #7 4kW Radome Build Option p/n
- #8 not used

Note:
Some part values change with build type
these are written as 2kW/4kW



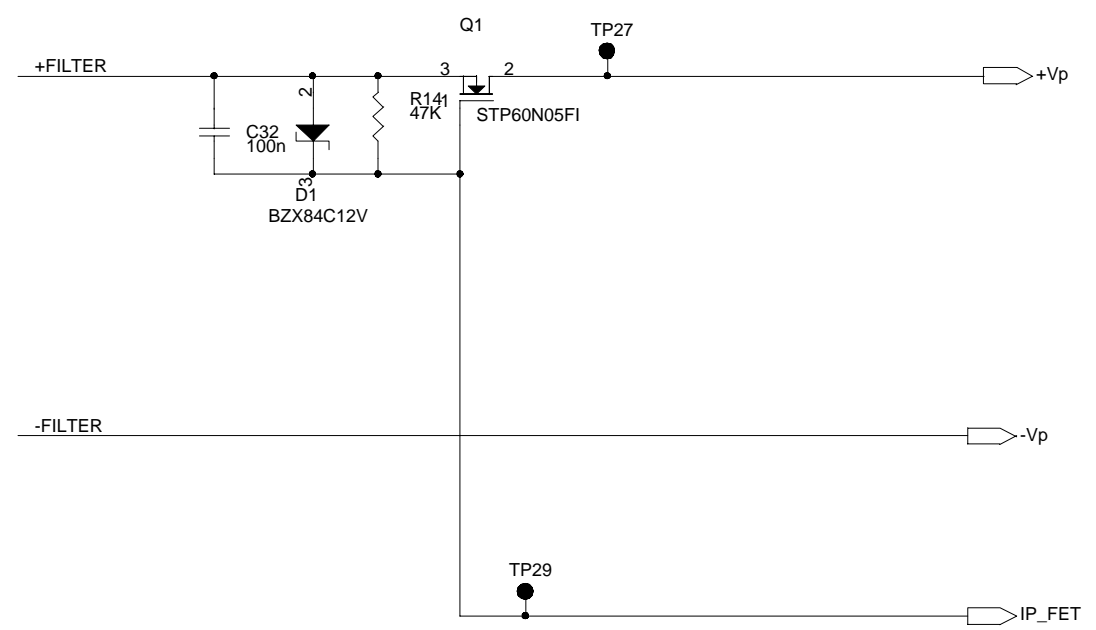
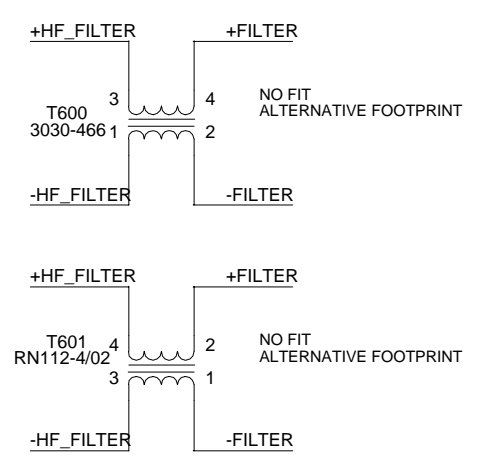
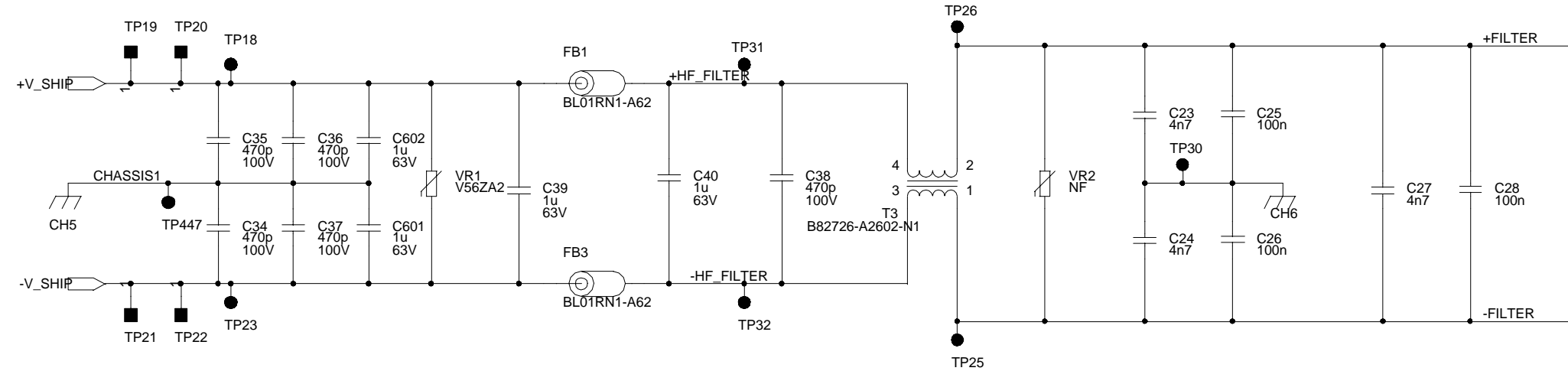
F	Mod M-01-0112 refers to alterations due to EMC changes. R621 changes to 330R. C616 becomes No Fit. Flying Lead Assy removed. Still refers to Issue B of PCB	25/09/01
E	Test Points with refs. higher than 600 inc. changed to be 500's. Still refers to Issue B of PCB	12/03/01
D	Alterations due to EMC failures. Refers to Issue B of PCB	20/02/01
C	Corrections to previous issue	05/02/01
B	Refers to Issue A of PCB	11/10/00
Axx	Initial drafts	01/08/00
Issue	Description of Change	Date

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Title	Pathfinder Radar : Radome2 Modulator		
Size	Document Number	Drawn	Iss.
A2	4473-002	Checked	F
Date:	Thursday, September 27, 2001	Approved	
		Sheet	1 of 6

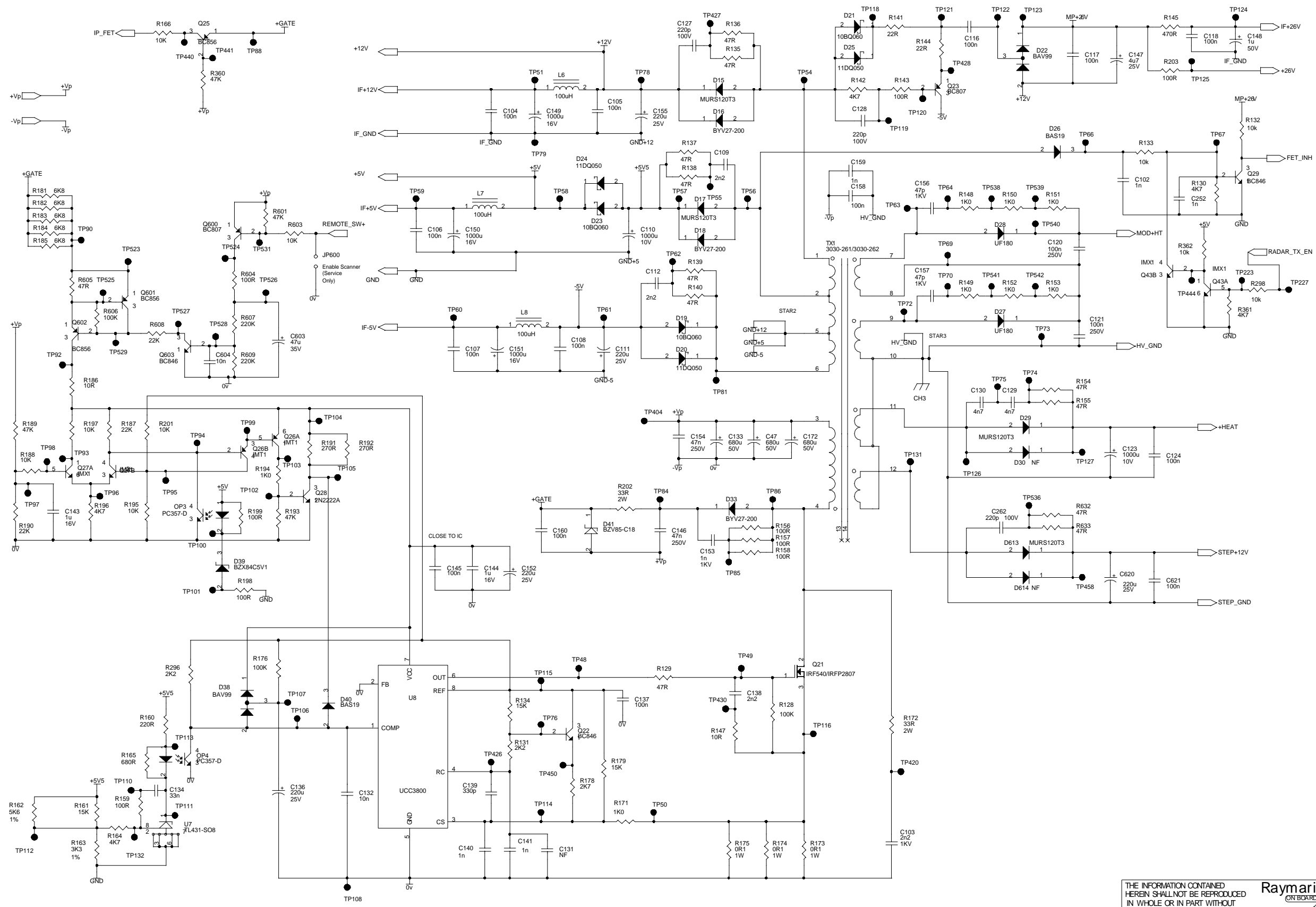


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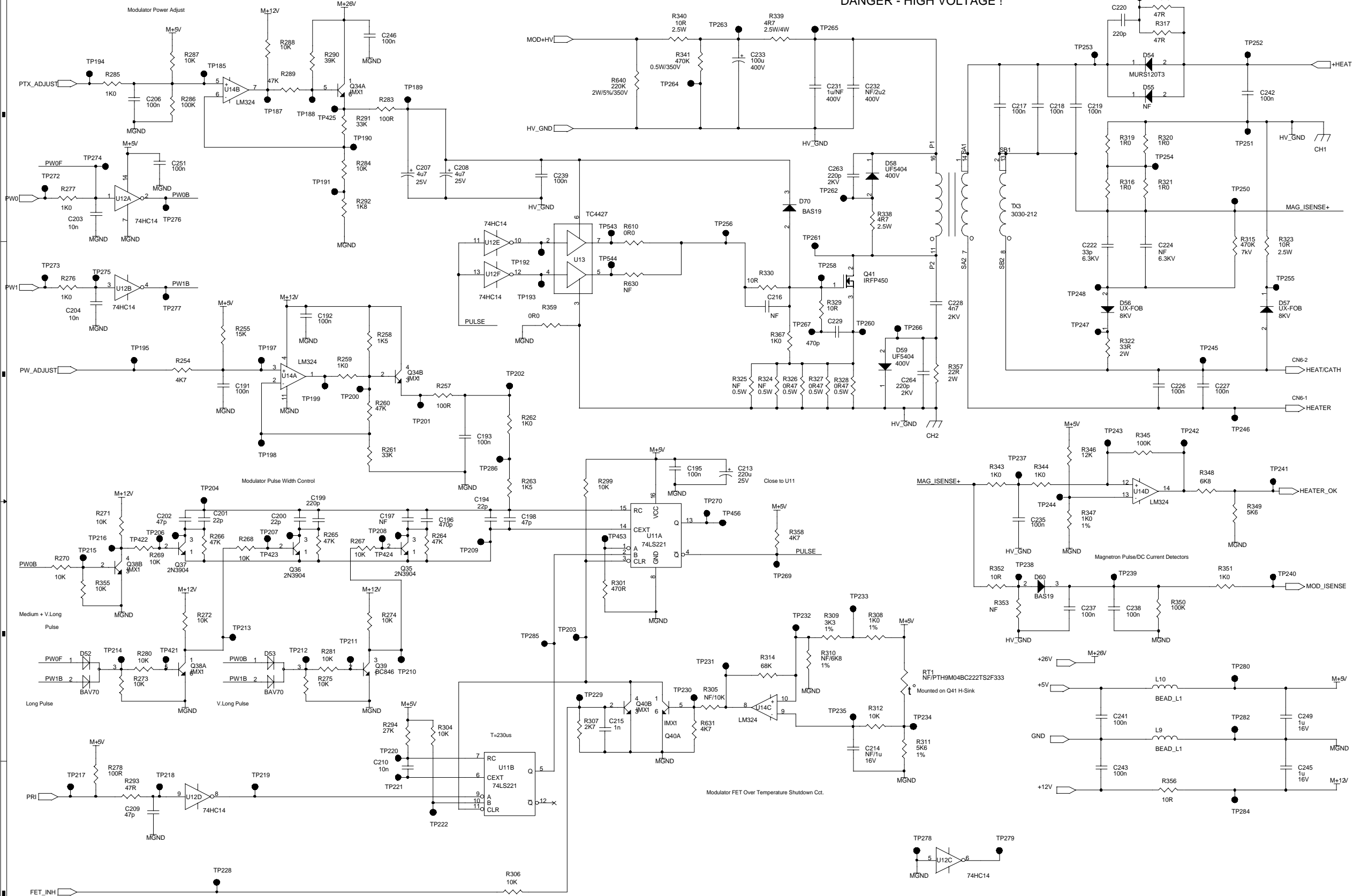
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Title POWER I/P FILTER			
Size A3	Document Number 4473-002	Drawn _____	Iss. F
Date: Tuesday, September 25, 2001		Checked _____	Approved _____
		Sheet 2	of 6



DANGER - HIGH VOLTAGE !

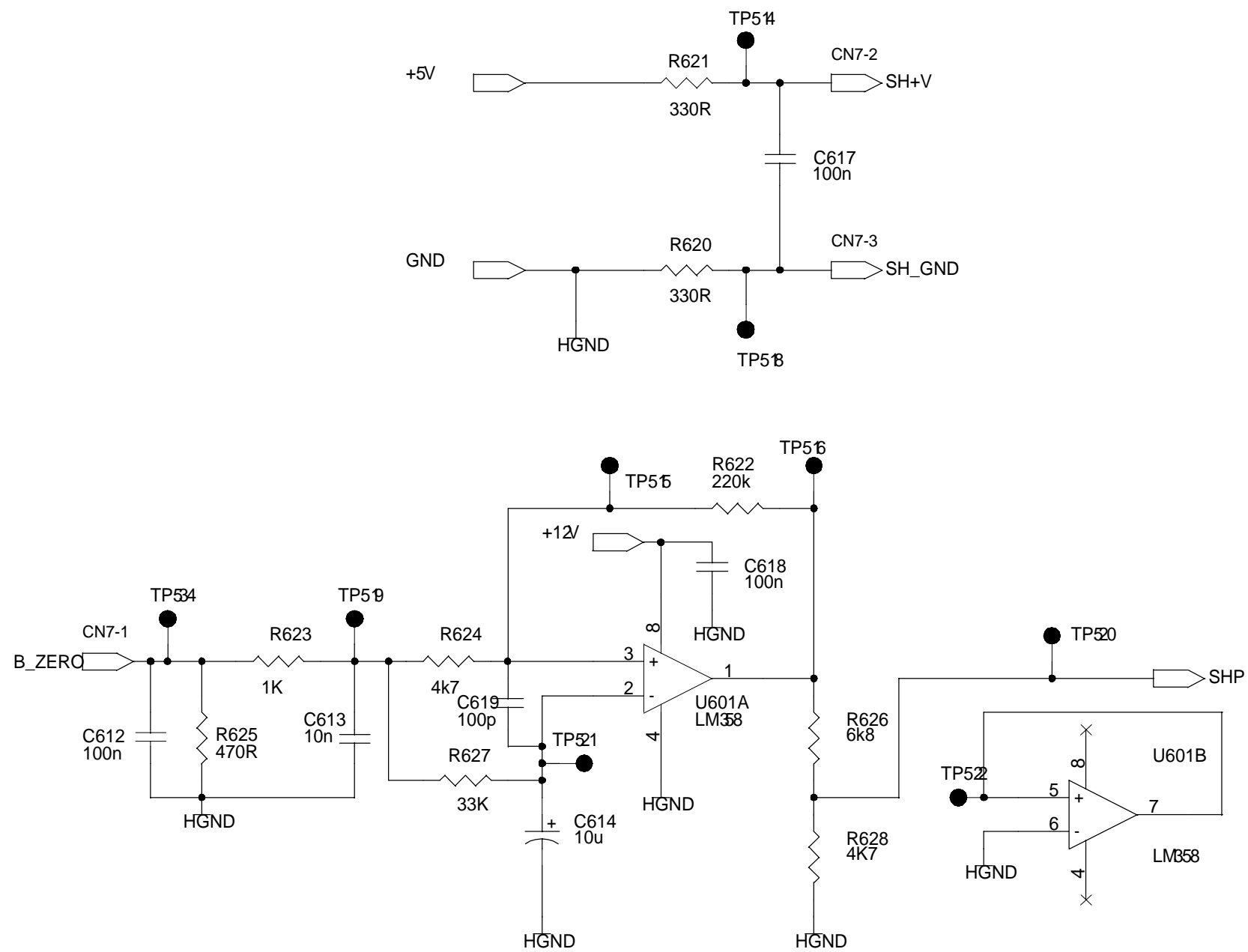


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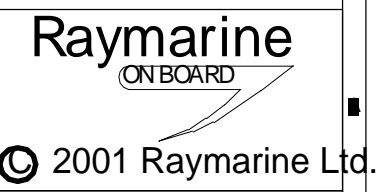
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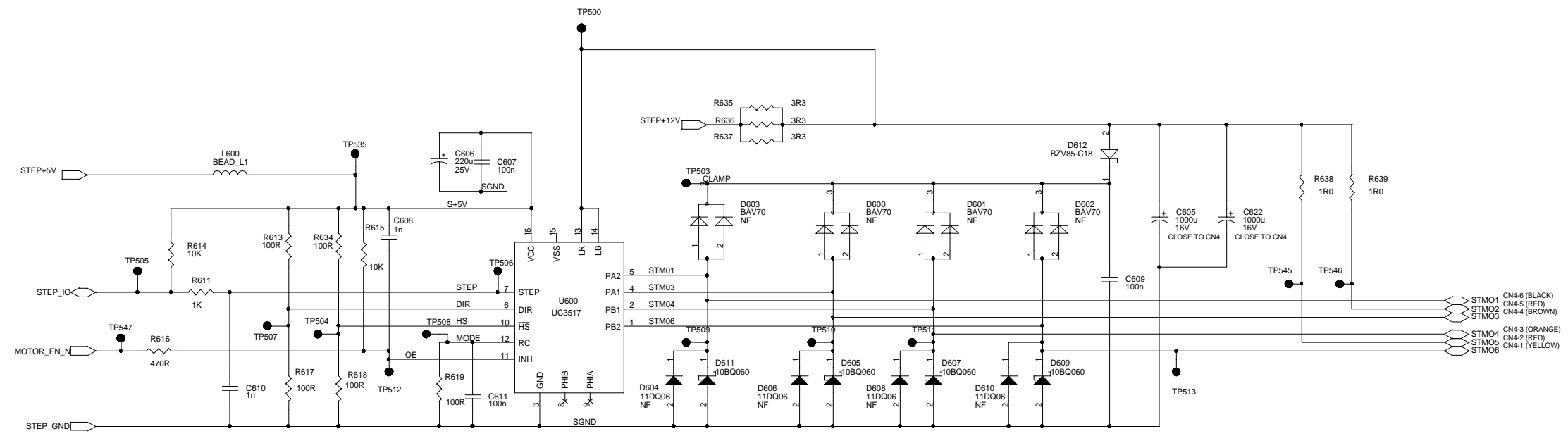
Title	MkJ Modulator	Drawn		Iss.	
Size	A2	Document Number	4473-002	Checked	
Date	Tuesday, September 25, 2001	Approved		Sheet	4 of 6



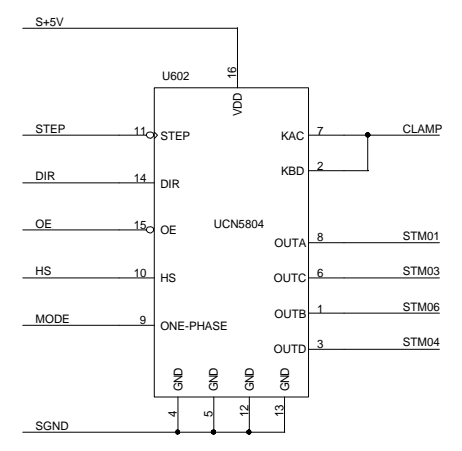
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Title Ships Heading Interface			
Size A4	Document Number 4473-002	Drawn	Iss. F
		Checked	
		Approved	
Date: Tuesday, September 25, 2001	Sheet 5	of 6	

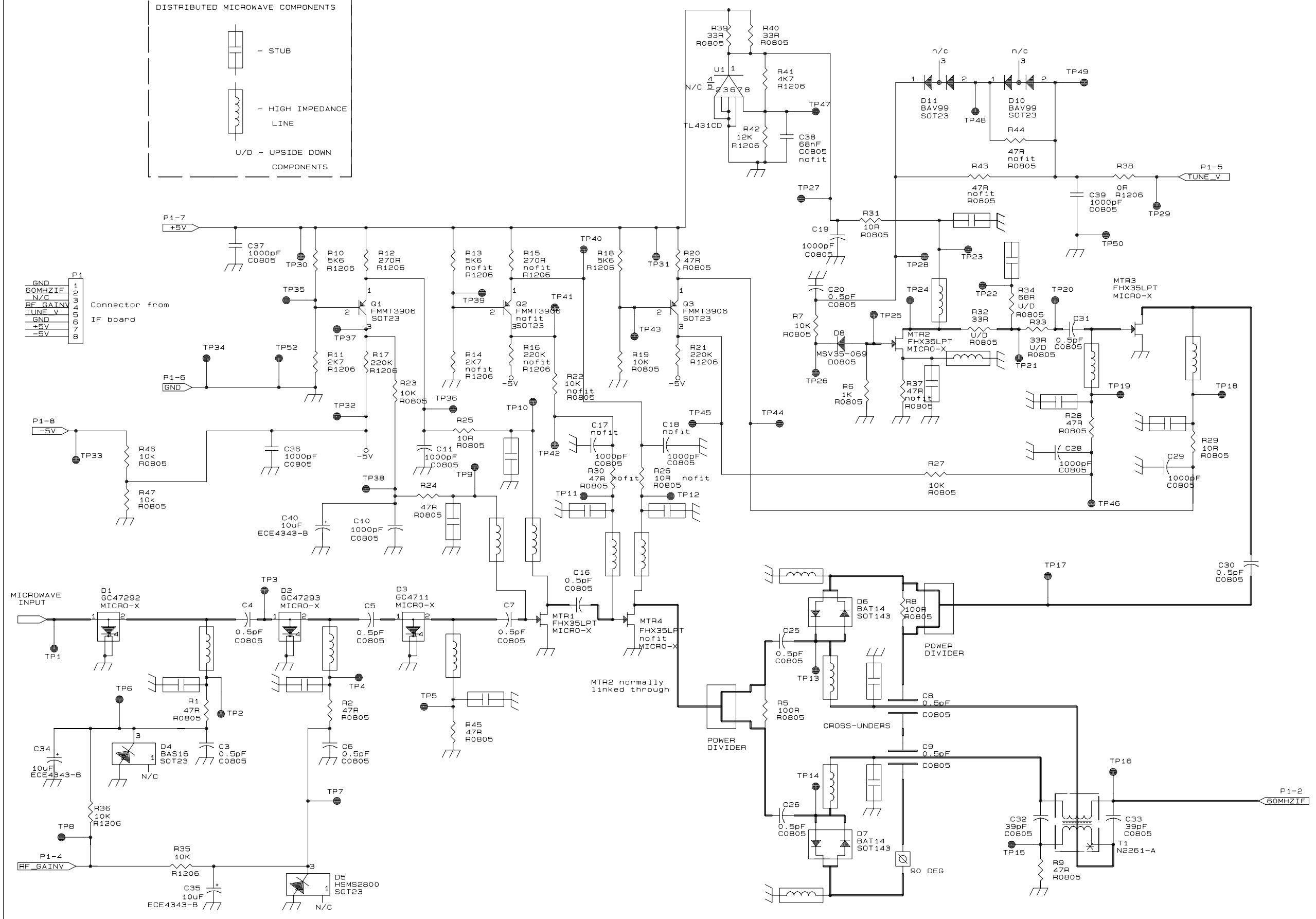


Alternative Stepper Motor Driver: UC3517.
 Charge Parts as follows -
 Fit U600 in place of U602.
 R617, R618 fit 100R
 R613, R634 NF
 D600, 601, 602, 603 fit BAV70
 R619 fit 47K
 C611 fit 100n



NOTE:
DISTRIBUTED MICROWAVE COMPONENTS

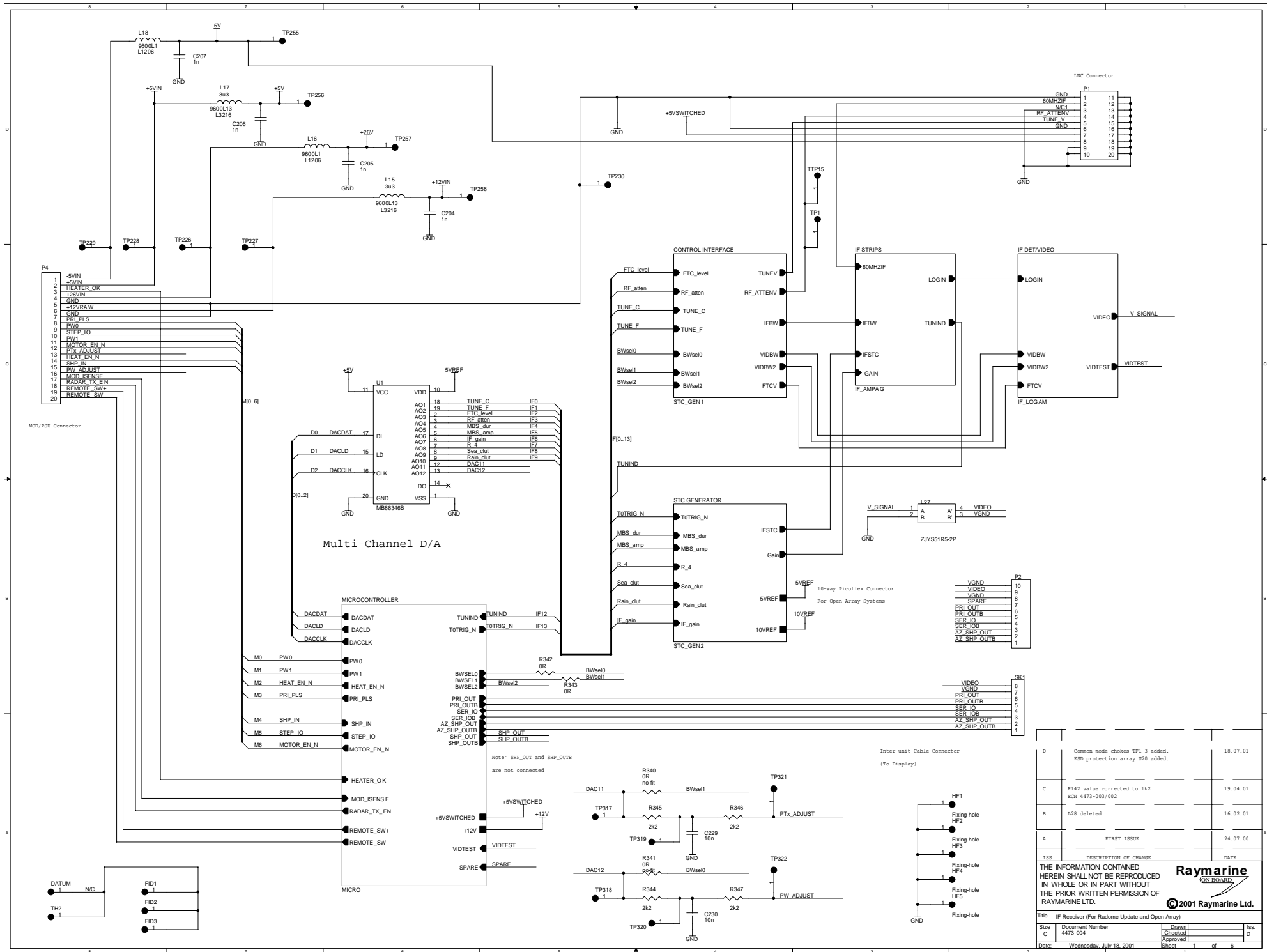
- STUB
- HIGH IMPEDANCE LINE
U/D - UPSIDE DOWN COMPONENTS



LOW NOISE CONVERTER / LIMITER

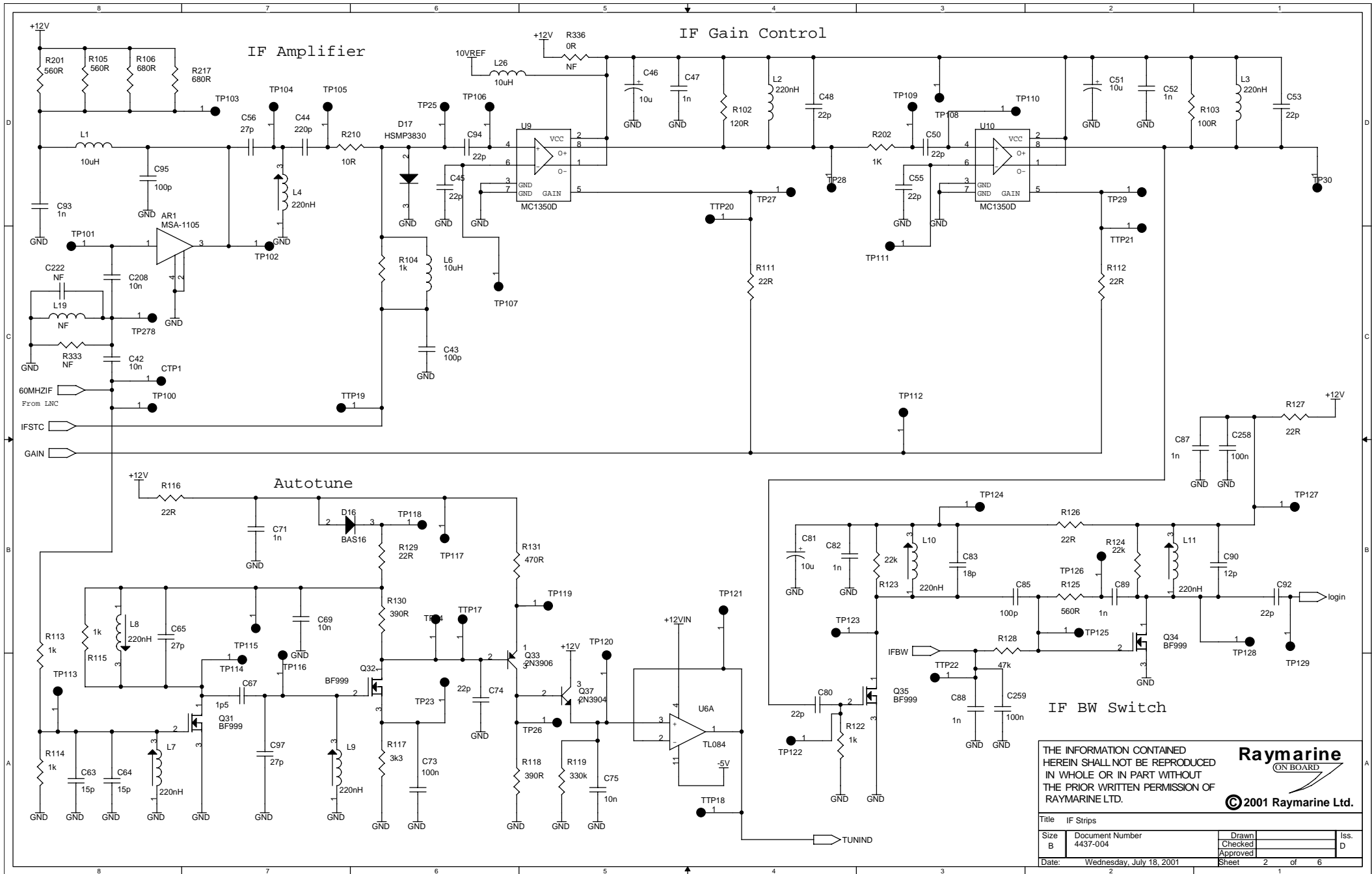
Revision L schematic reflects Issue F board

Raytheon Marine Europe ANCHORAGE PARK, PORTSMOUTH HAMPSHIRE PO3 5TD		
Title Low Noise Converter (LNC)		
Size	Document Number	REV
C	4346-028	L
Date:	October 13, 1997	Sheet 1 of 1



REV	DESCRIPTION OF CHANGE	DATE
D	Common-mode chokes TP1-3 added. ESD protection array U20 added.	18.07.01
C	R142 value corrected to 1k2 sctn 4473-003/002	19.04.01
B	L28 deleted	16.02.01
A	FIRST ISSUE	24.07.00

REV	DESCRIPTION OF CHANGE	DATE
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Title IF Receiver (For Ratsome Update and Open Array)		
Size C	Document Number 4473-004	Drawn _____ Checked _____ Approved _____
Date: Wednesday, July 18, 2001	Sheet 1 of 6	Rev. D

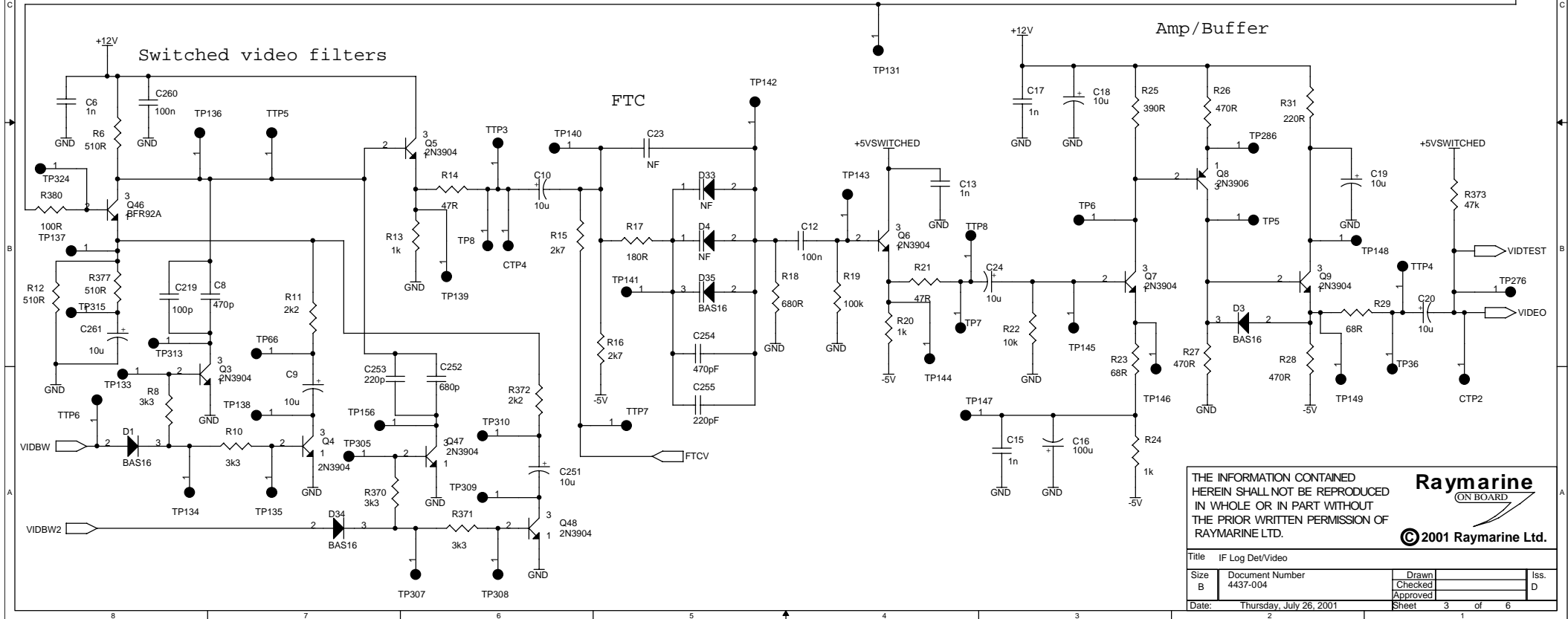
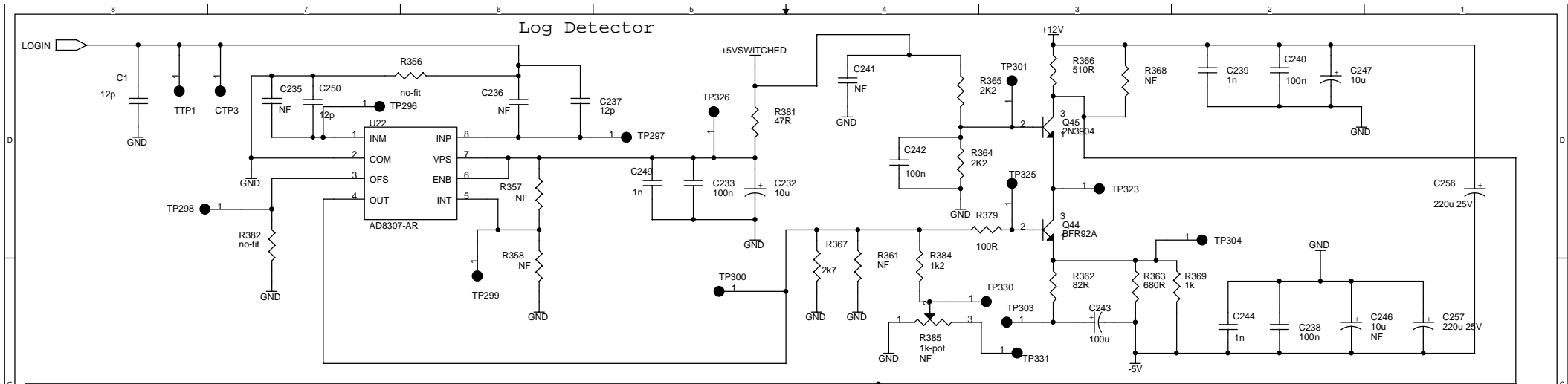


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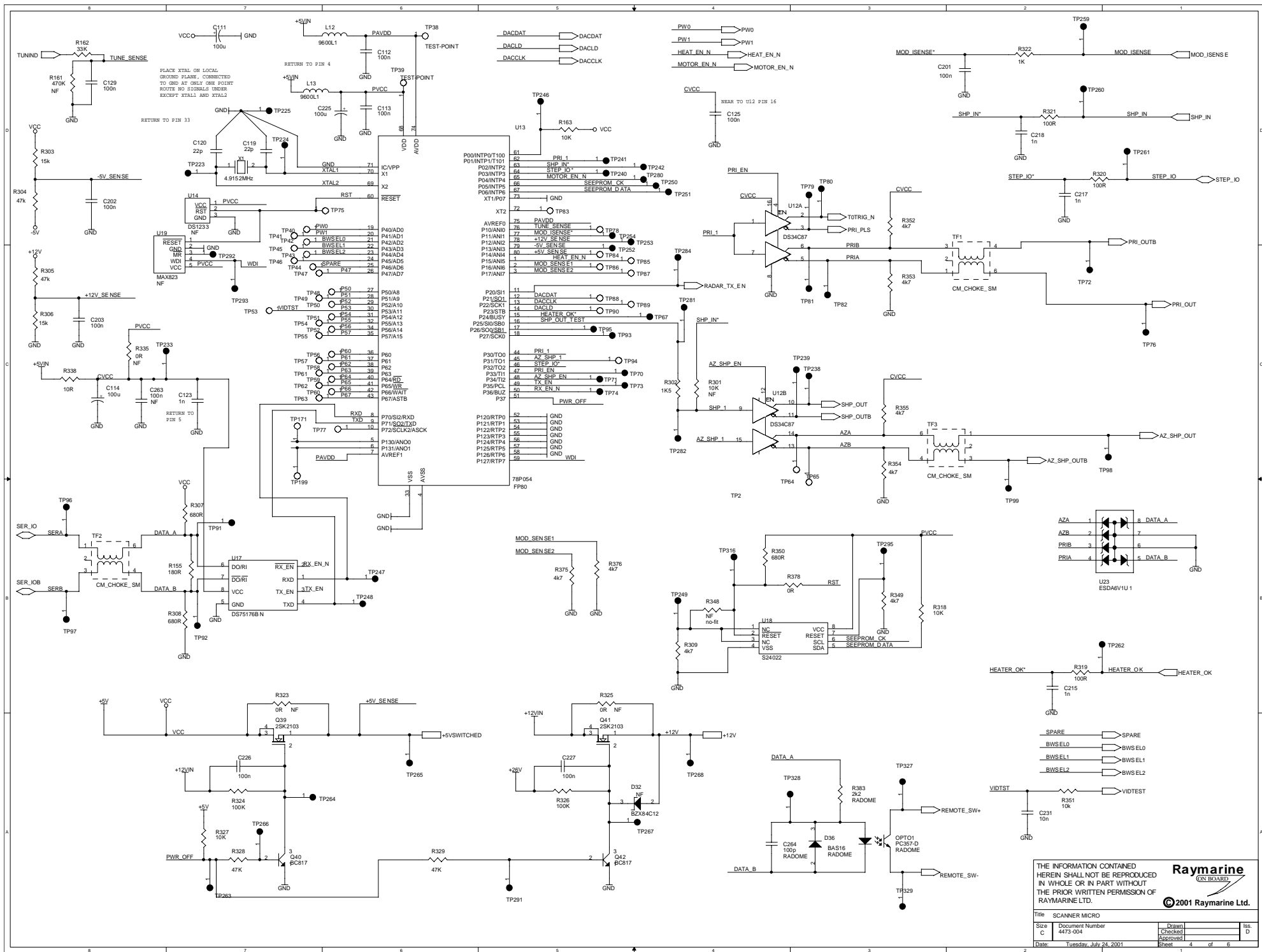
Title IF Strips			
Size B	Document Number 4437-004	Drawn	Iss. D
		Checked	
		Approved	
Date: Wednesday, July 18, 2001		Sheet 2	of 6



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Title IF Log Det/Video			
Size B	Document Number 4437-004	Drawn	Iss. D
		Checked	
		Approved	
Date: Thursday, July 26, 2001		Sheet 3	of 6

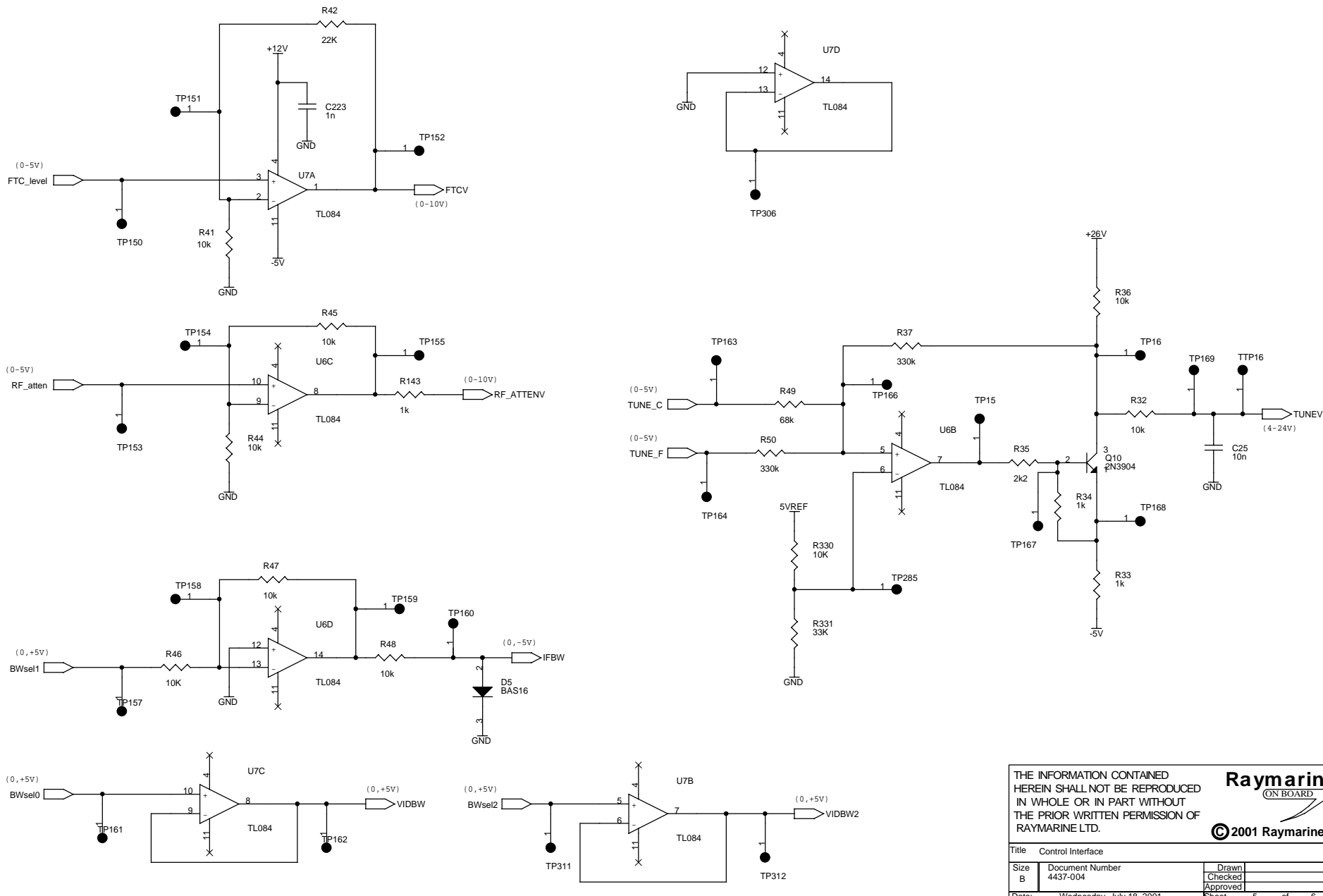


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Title: SCANNER MICRO			
Size: C	Document Number: 4473-004	Drawn: _____	Iss. D
Date: Tuesday, July 24, 2001		Checked: _____	
		Approved: _____	
		Sheet: 1	of 6

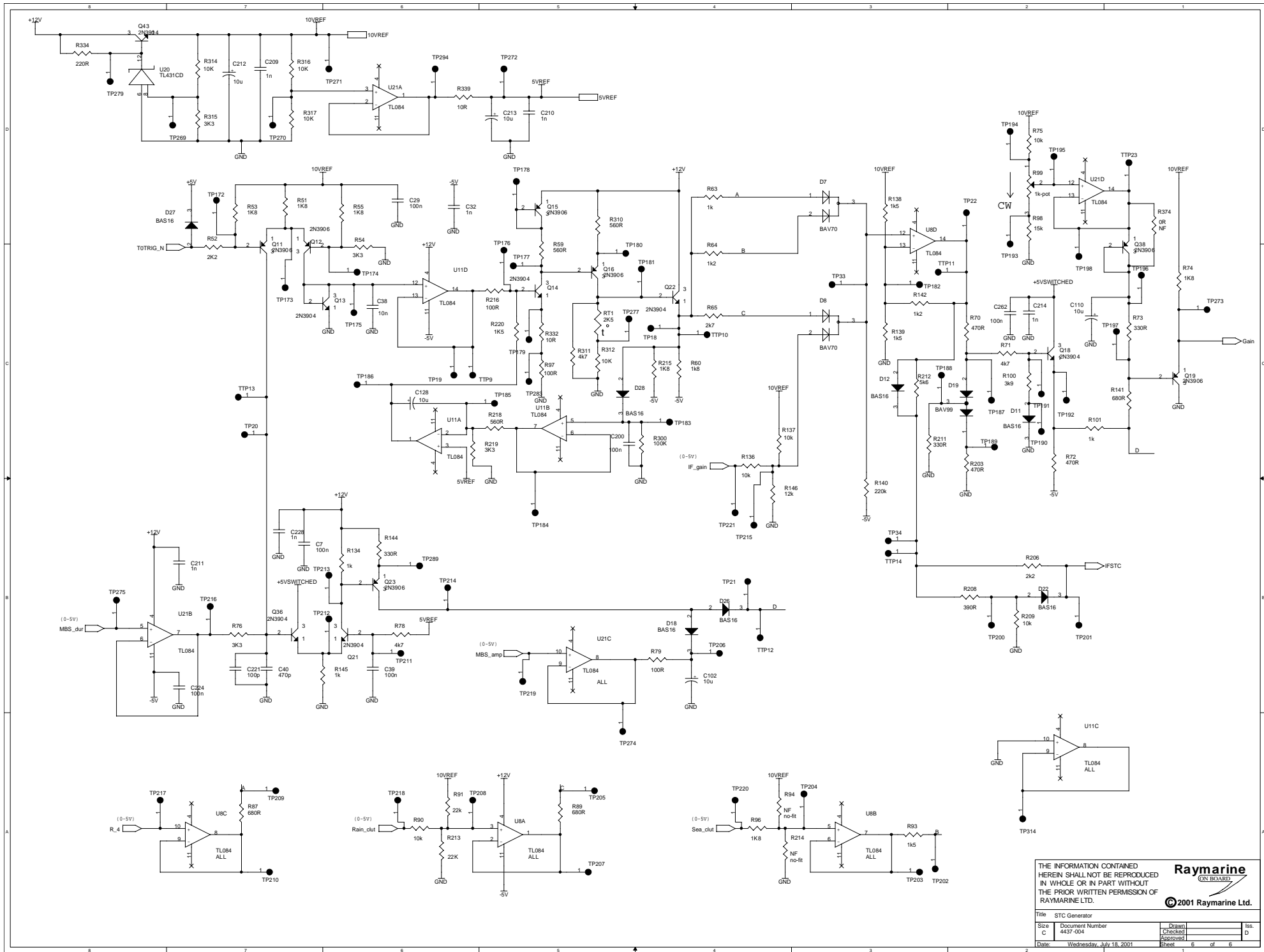


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Title Control Interface			
Size B	Document Number 4437-004	Drawn	Iss. D
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		Approved	
Date: Wednesday, July 18, 2001		Sheet 5	of 6



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Title: STC Generator		Drawn: _____		Iss: _____	
Size: C		Document Number: 4437-004		Checked: _____	
Date: Wednesday, July 18, 2001		Approved: _____		D: _____	
		Sheet: 1		6 of 6	