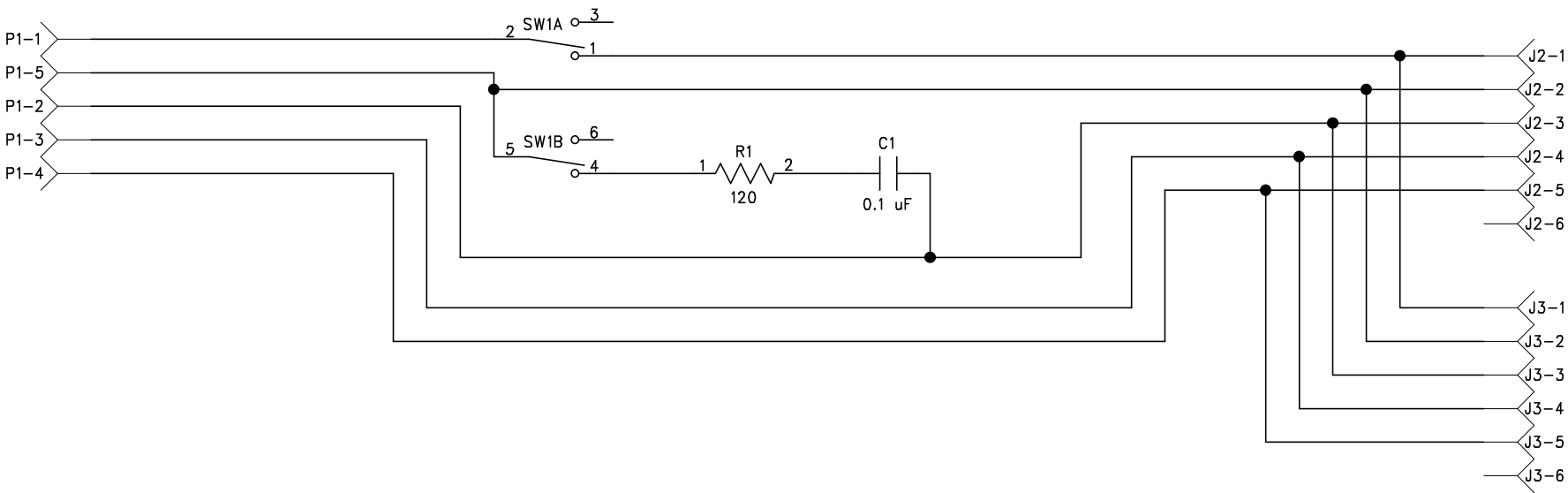


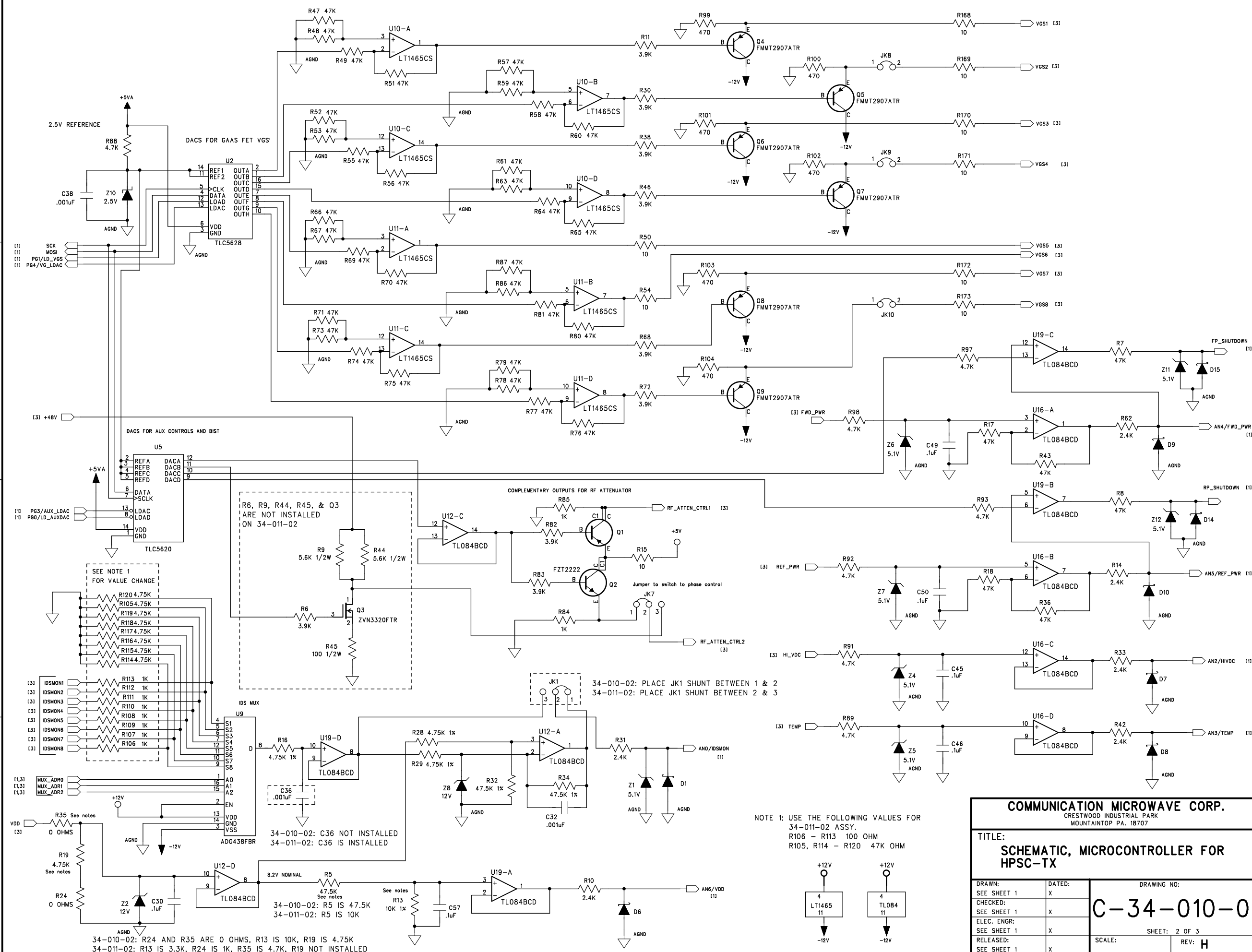
REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:



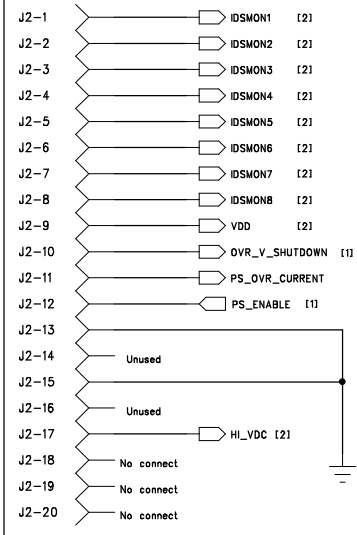
NOTES:

- 1. DPDT SWITCH SW1 IS CLOSED ONLY AT LAST UNIT IN NETWORK TO TERMINATE PC TX NET & PROVIDE FRAME GND.
- 2. SCHEMATIC OF ISSUE 1 PC BOARD.

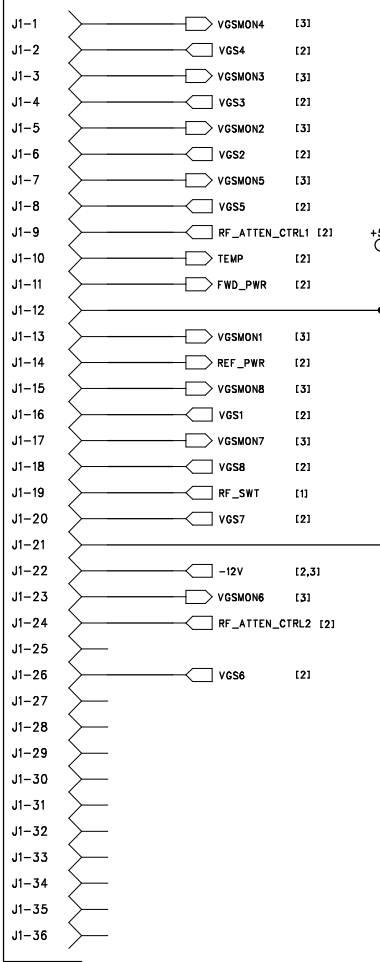
COMMUNICATION MICROWAVE CORP.			
CRESTWOOD INDUSTRIAL PARK MOUNTAINTOP PA. 18707			
TITLE:		RS-485 COMMUNICATIONS INTERFACE, SB050B PS CHASSIS	
DRAWN: D. PAJSKI	DATED: 6-20-95	DRAWING NO: B-33-304-01	
CHECKED: A.BRAGALONE	5/09/00		
ELEC. ENGR:		SHEET: 1 OF 1	
RELEASED: D.WIKE	5/09/00	SCALE:	REV: A



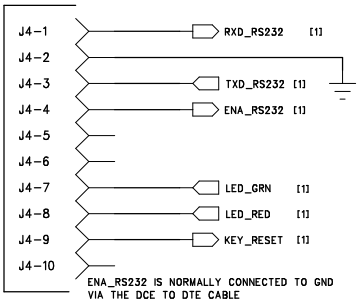
P/S CONNECTOR



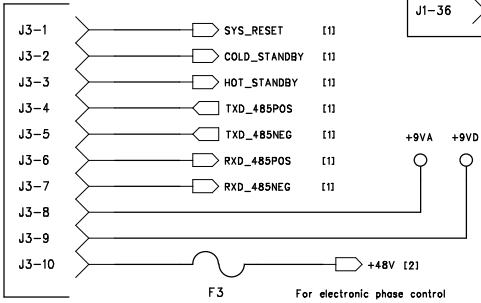
RF POWER AMPLIFIER CONNECTOR



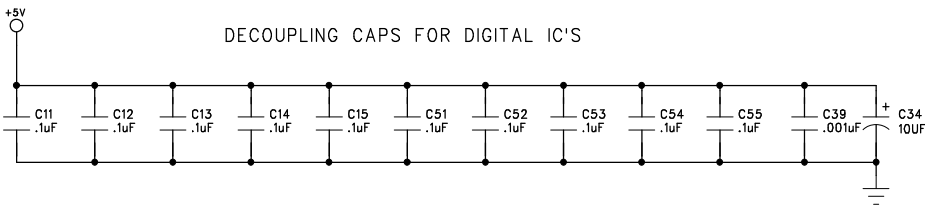
FRONT PANEL RS232 CABLE CONNECTOR



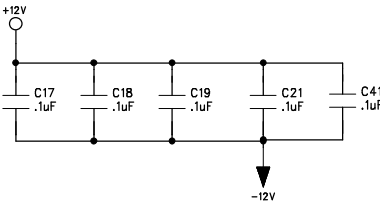
BACKPLANE CONNECTOR



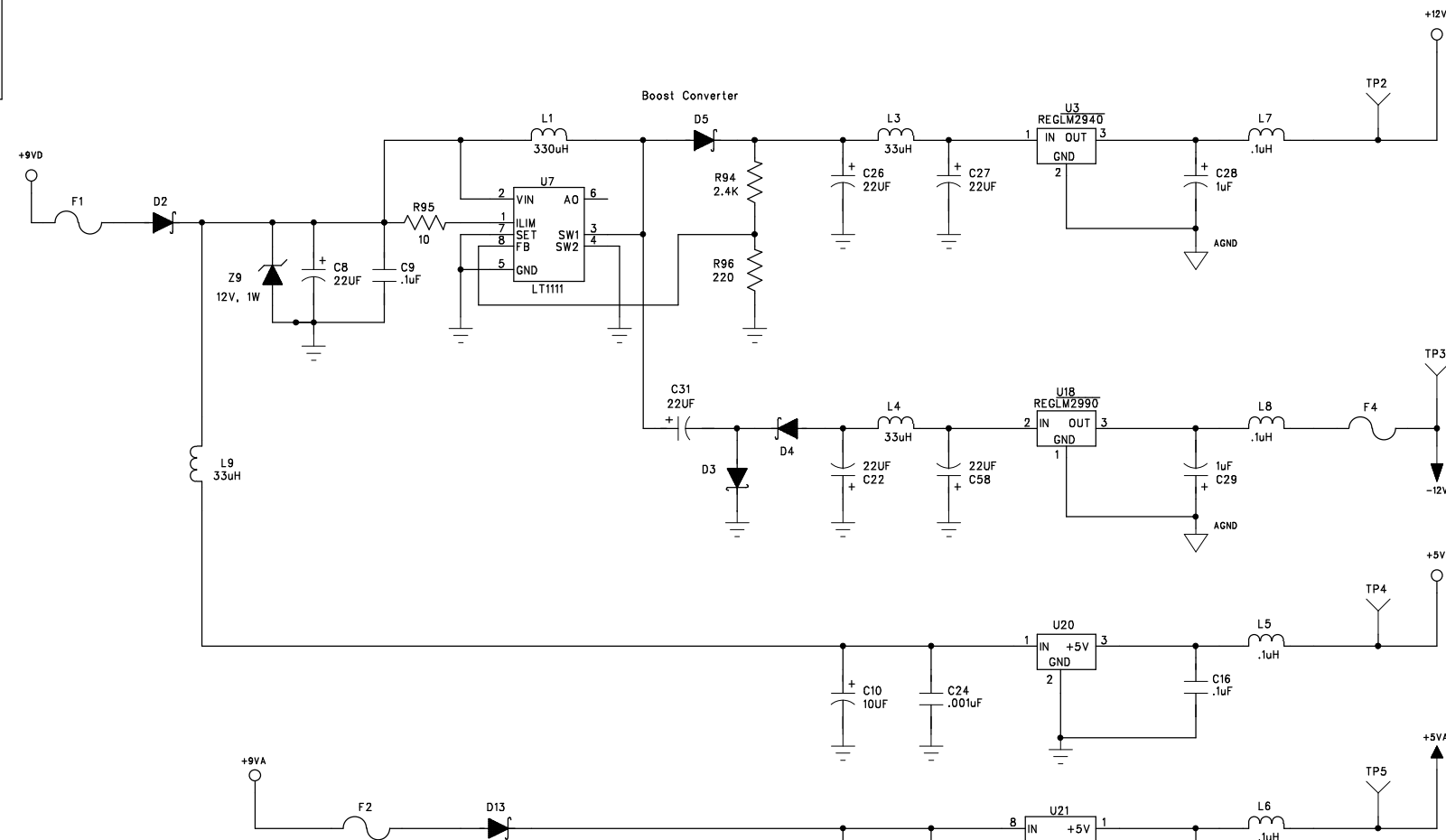
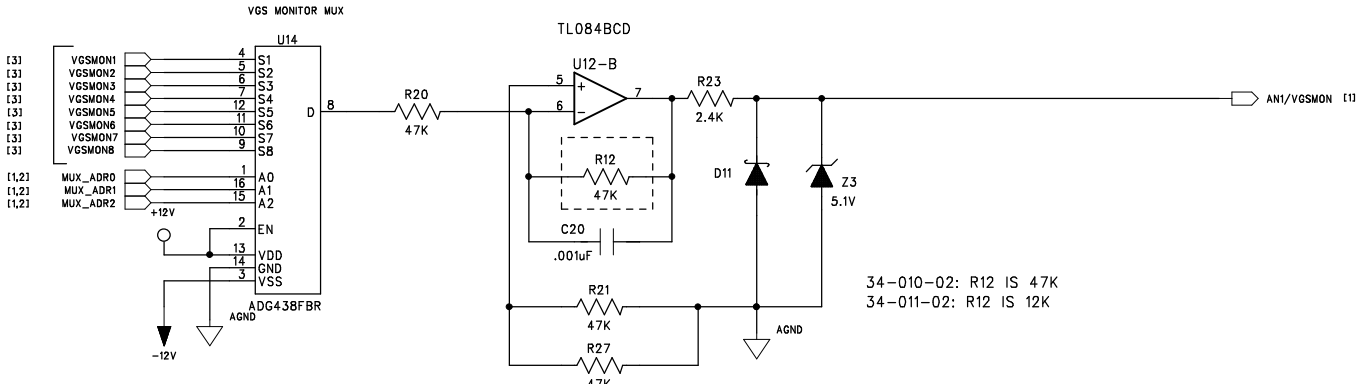
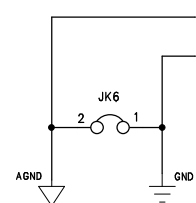
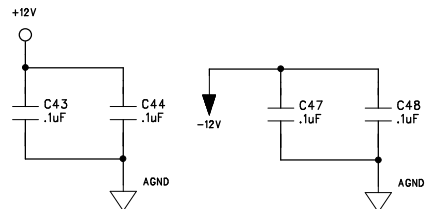
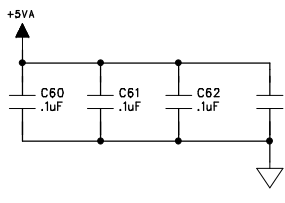
DECOUPLING CAPS FOR DIGITAL IC'S



DECOUPLING CAPS FOR ANALOG OP AMPS

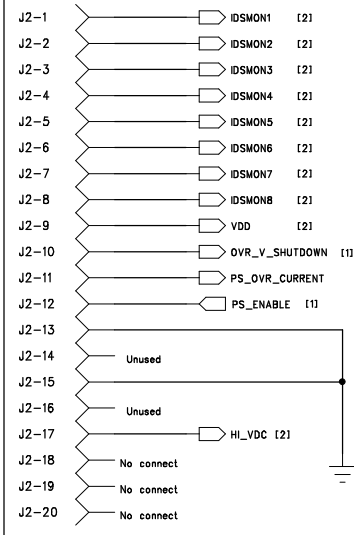


DECOUPLING CAPS FOR ANALOG 5V SUPPLY

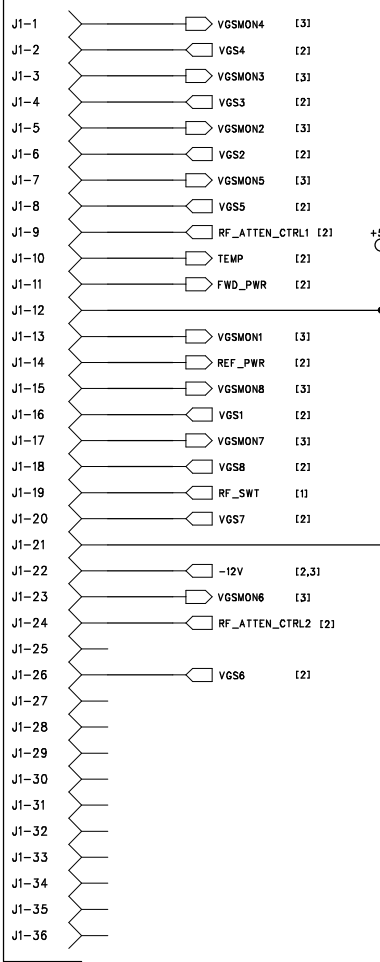


COMMUNICATION MICROWAVE CORP. CRESTWOOD INDUSTRIAL PARK MOUNTAINTOP PA. 18707		
TITLE: SCHEMATIC, MICROCONTROLLER FOR HPSC-TX		
DRAWN: SEE SHEET 1	DATED: X	DRAWING NO: C-34-010-01
CHECKED: SEE SHEET 1	X	SHEET: 3 OF 3
ELEC. ENGR: SEE SHEET 1	X	REV: H
RELEASED: SEE SHEET 1	X	SCALE:

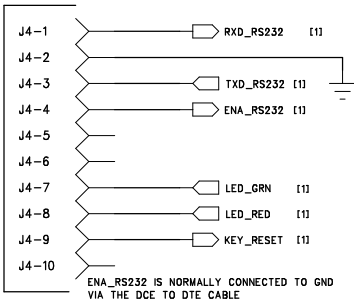
P/S CONNECTOR



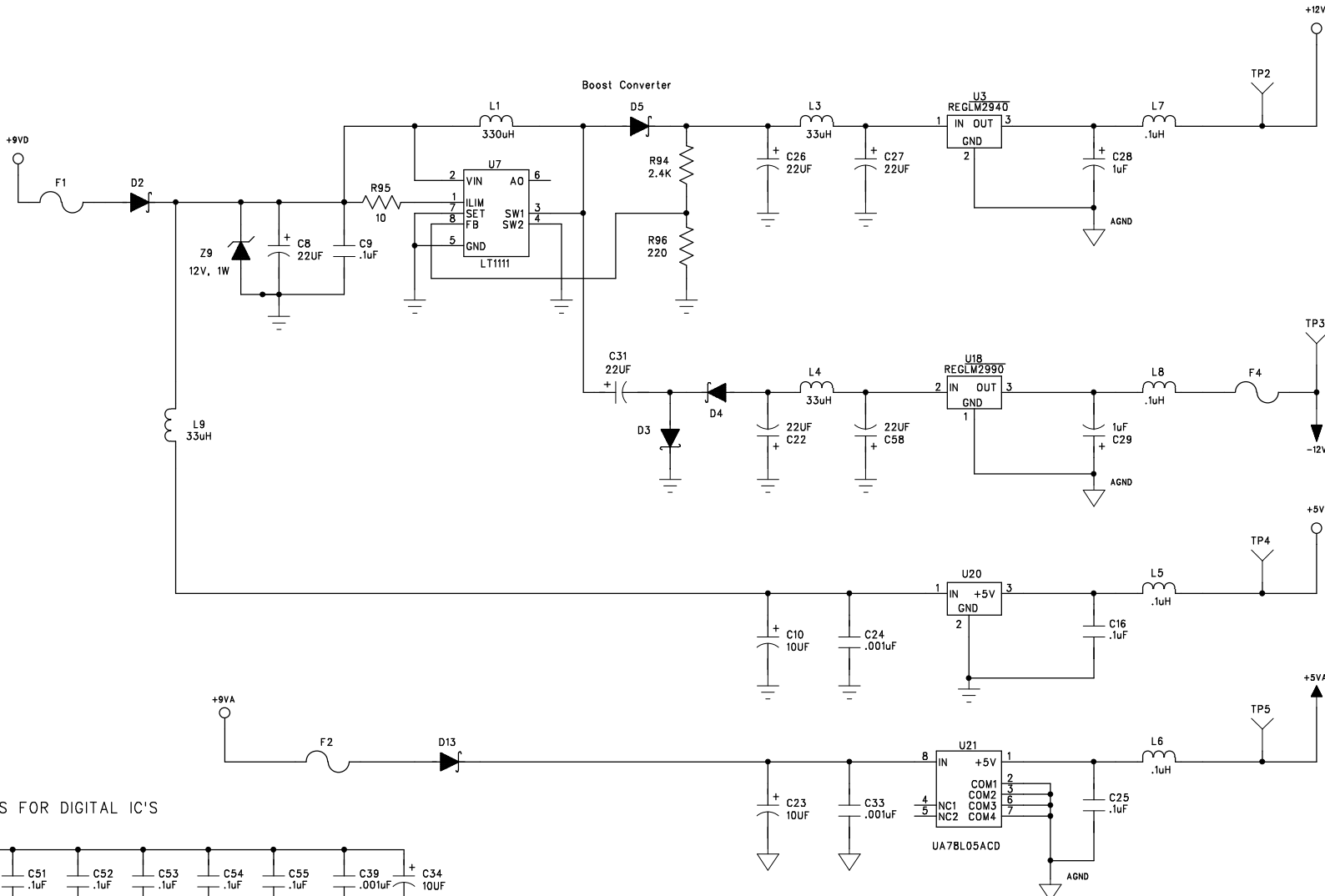
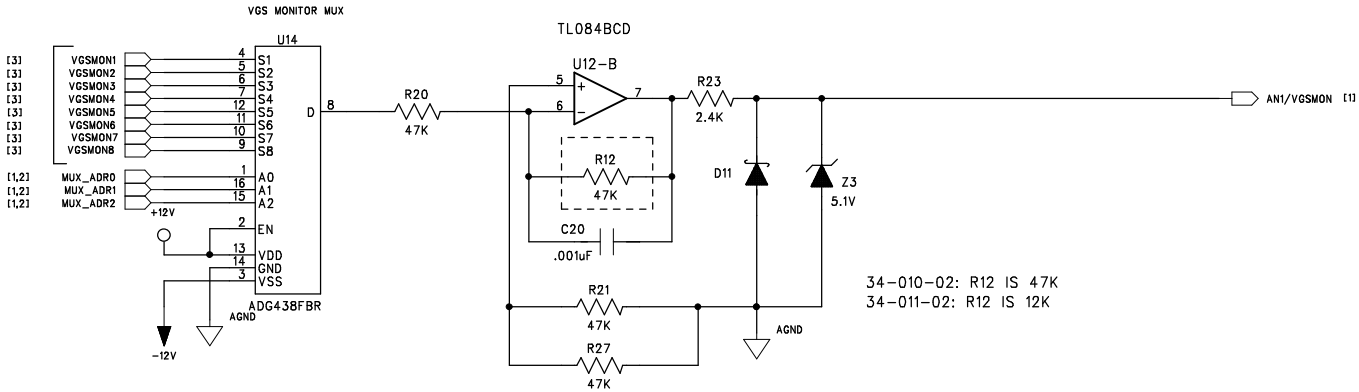
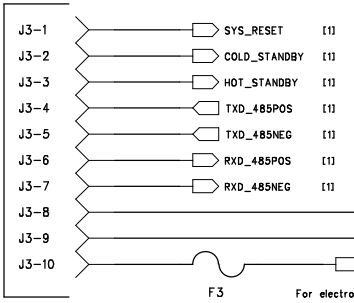
RF POWER AMPLIFIER CONNECTOR



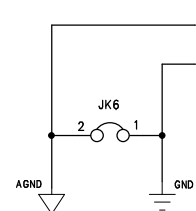
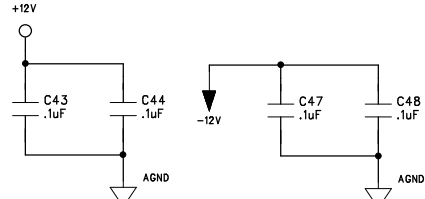
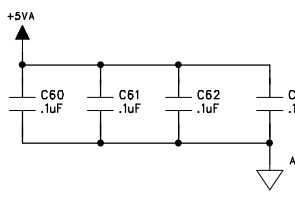
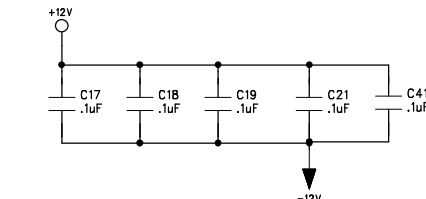
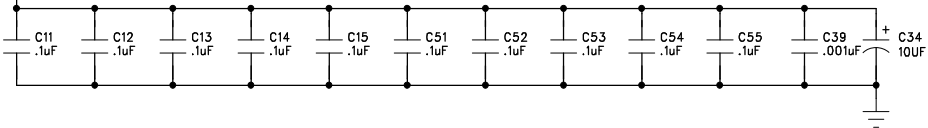
FRONT PANEL RS232 CABLE CONNECTOR



BACKPLANE CONNECTOR



DECOUPLING CAPS FOR DIGITAL IC'S

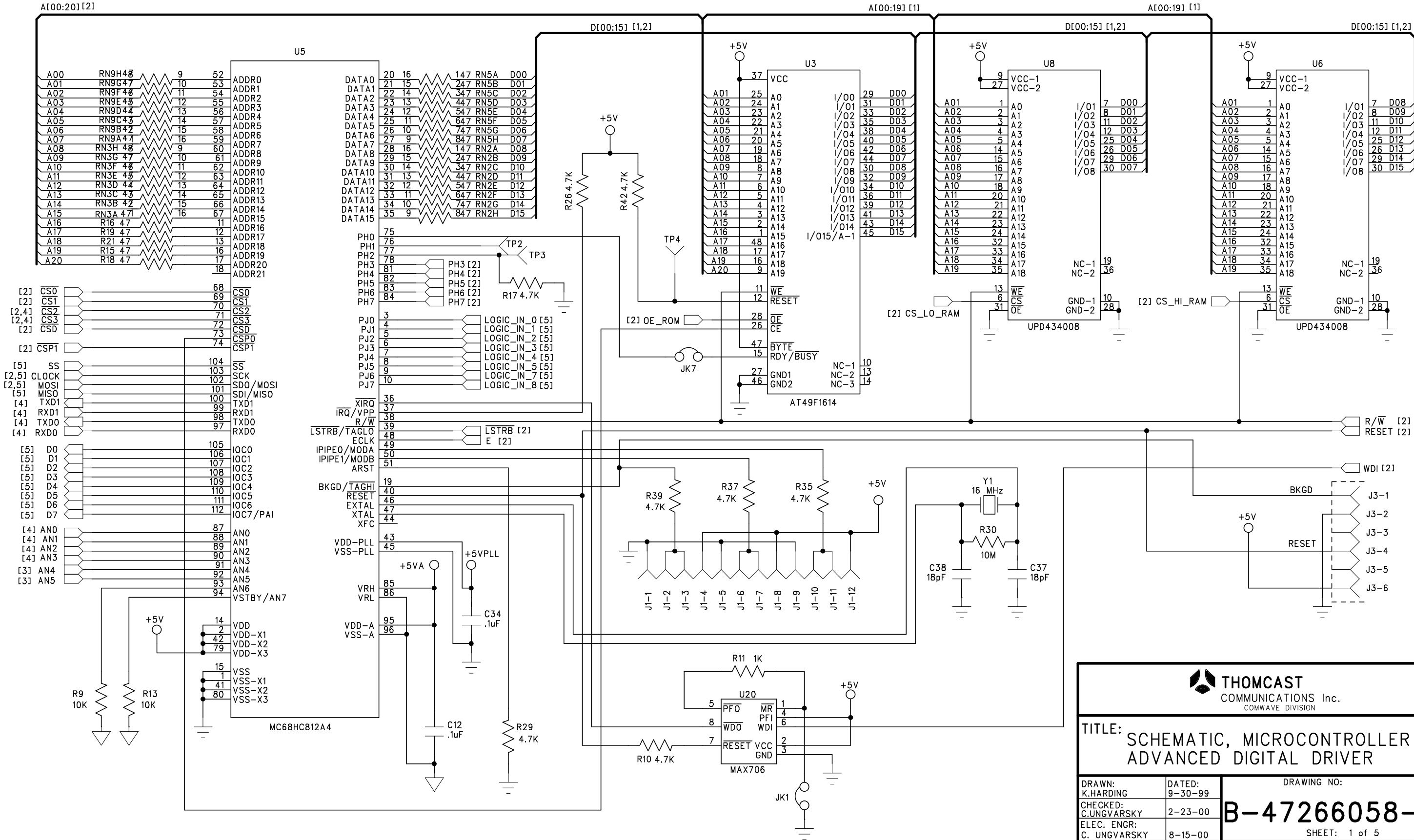


COMMUNICATION MICROWAVE CORP.
CRESTWOOD INDUSTRIAL PARK
MOUNTAINTOP PA. 18707

TITLE:
**SCHEMATIC, MICROCONTROLLER FOR
HPSC-TX**

DRAWN: SEE SHEET 1	DATED: X	DRAWING NO: C-34-010-01
CHECKED: SEE SHEET 1	X	
ELEC. ENGR: SEE SHEET 1	X	
RELEASED: SEE SHEET 1	X	
SCALE:	REV: H	

REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

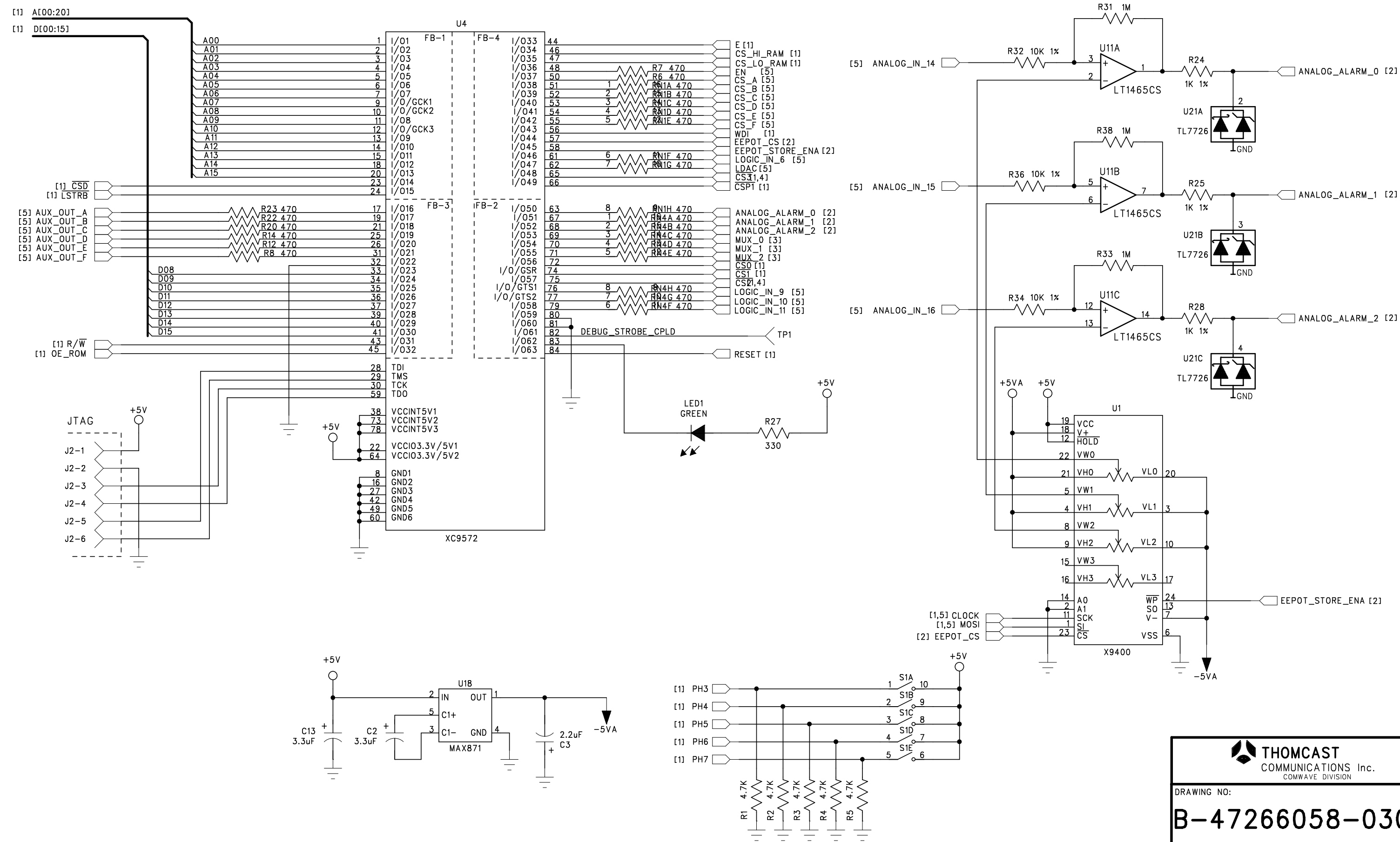




COMMUNICATIONS Inc.
COMWAVE DIVISION

TITLE: SCHEMATIC, MICROCONTROLLER FOR
ADVANCED DIGITAL DRIVER

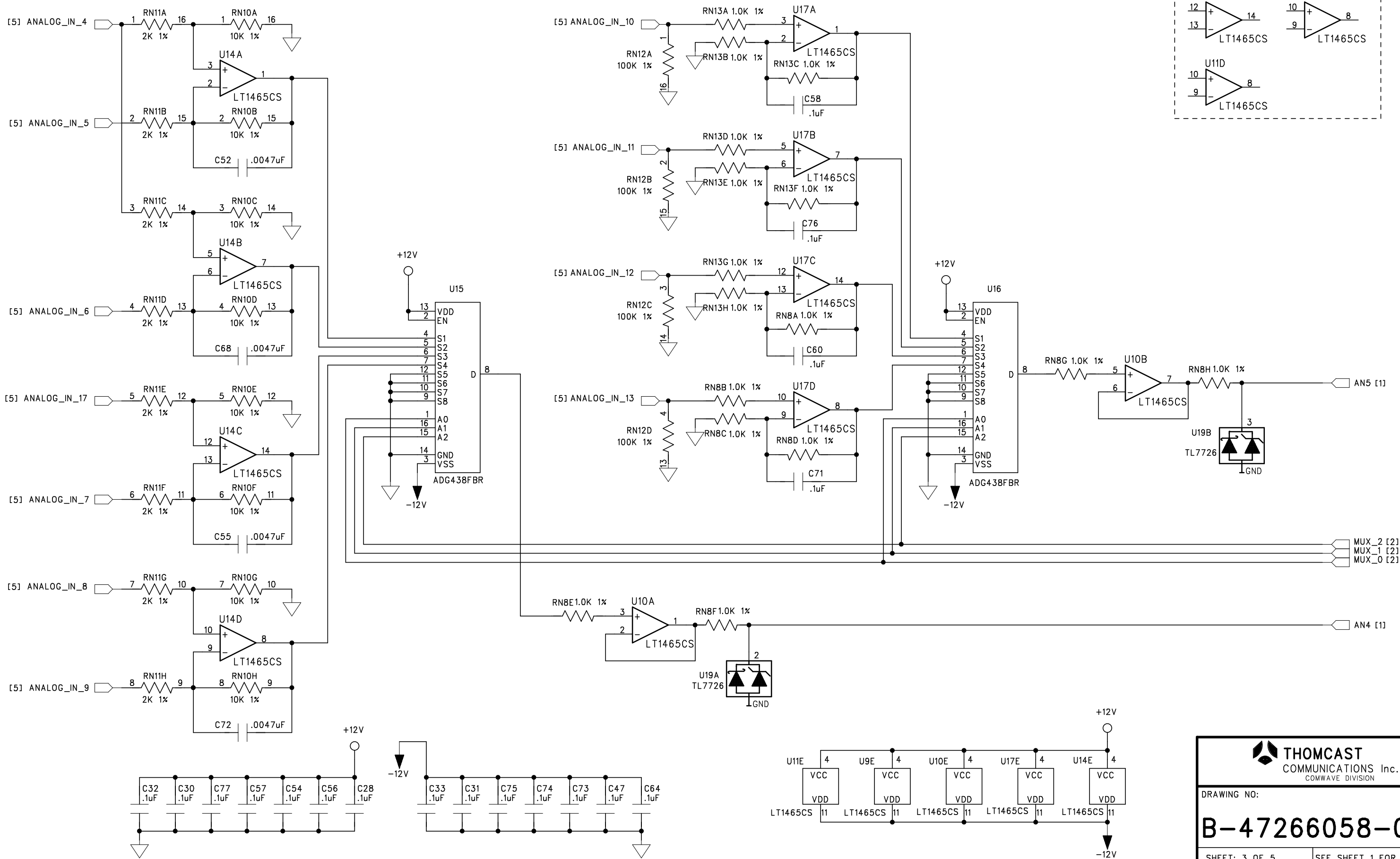
DRAWN: K.HARDING	DATED: 9-30-99	DRAWING NO:	
CHECKED: C.UNGVARSKY	2-23-00	B-47266058-030	
ELEC. ENGR: C. UNGVARSKY	8-15-00	SHEET: 1 of 5	
RELEASED: C. UNGVARSKY	8-15-00	SCALE:	REV: A

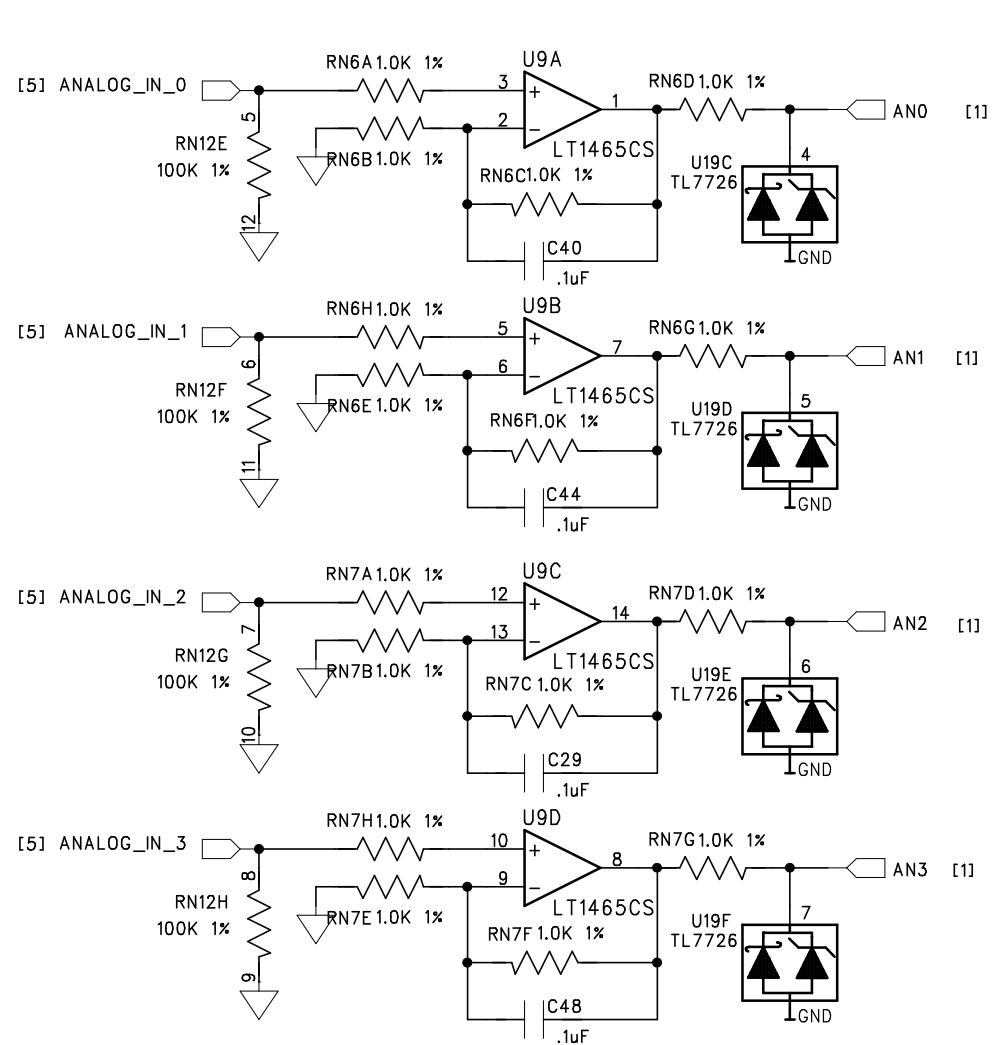


**THOMCAST**
COMMUNICATIONS Inc.
COMWAVE DIVISION

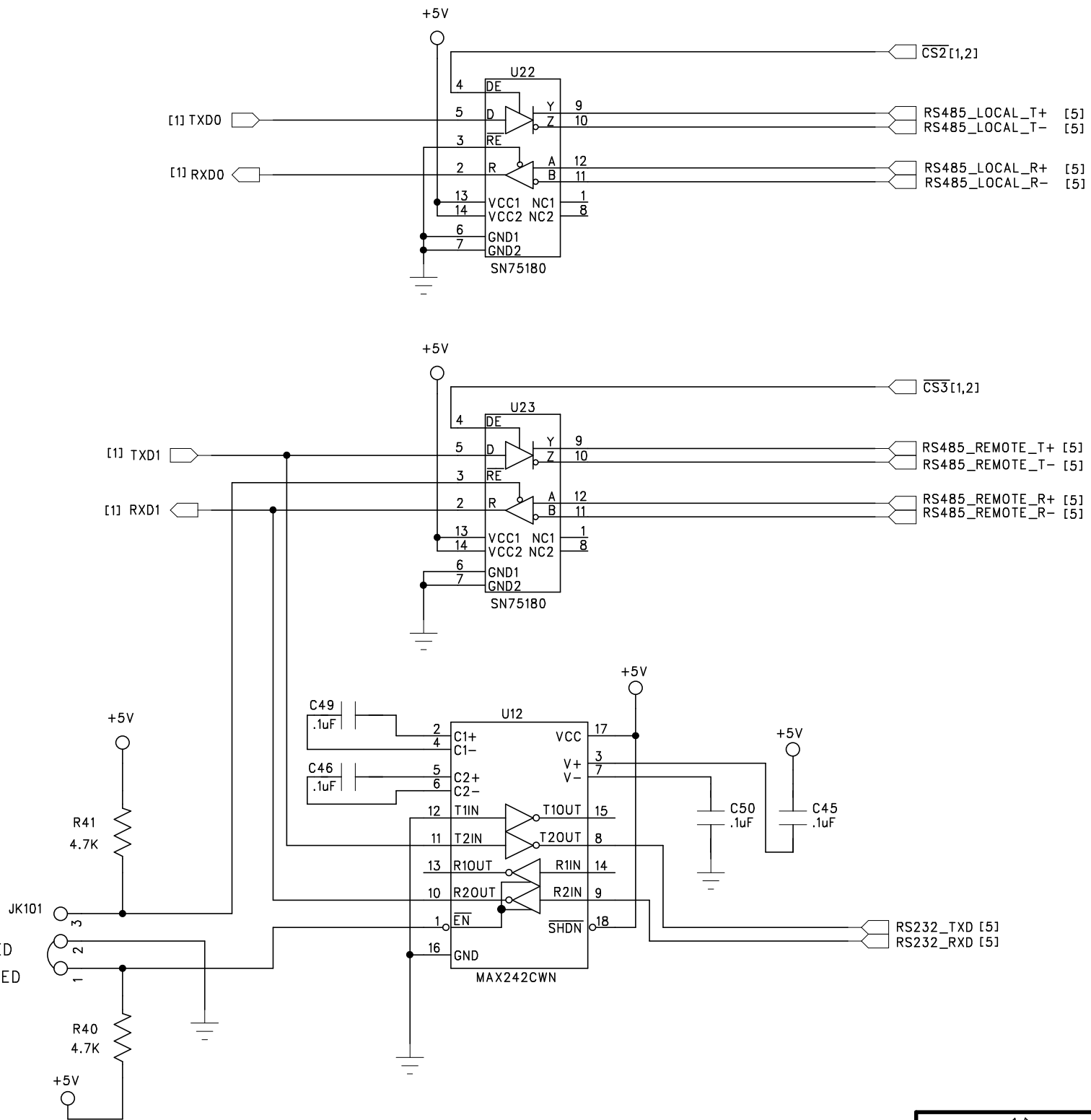
DRAWING NO:
B-47266058-030

SHEET: 2 OF 5 SEE SHEET ONE FOR REV

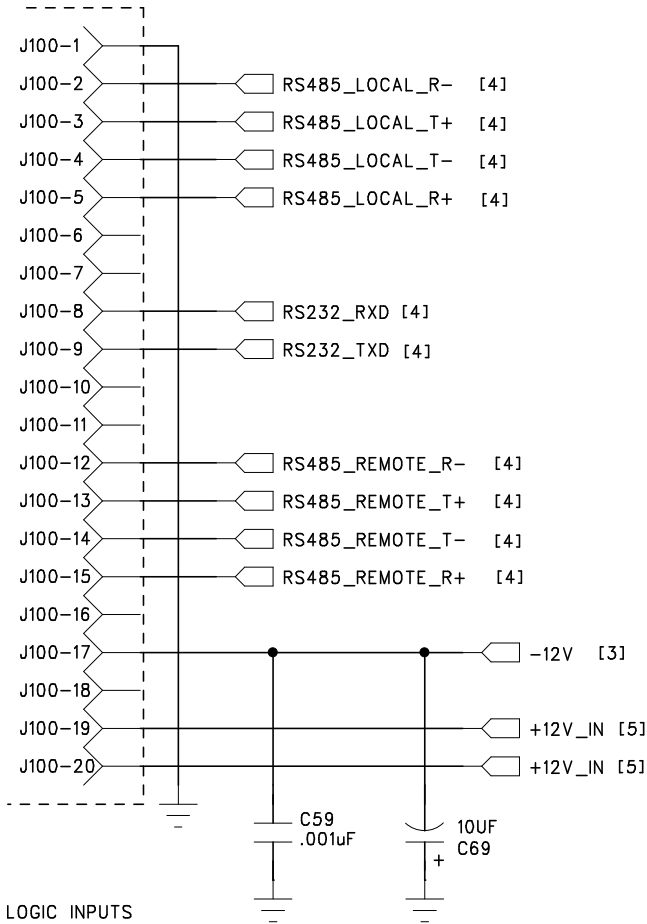




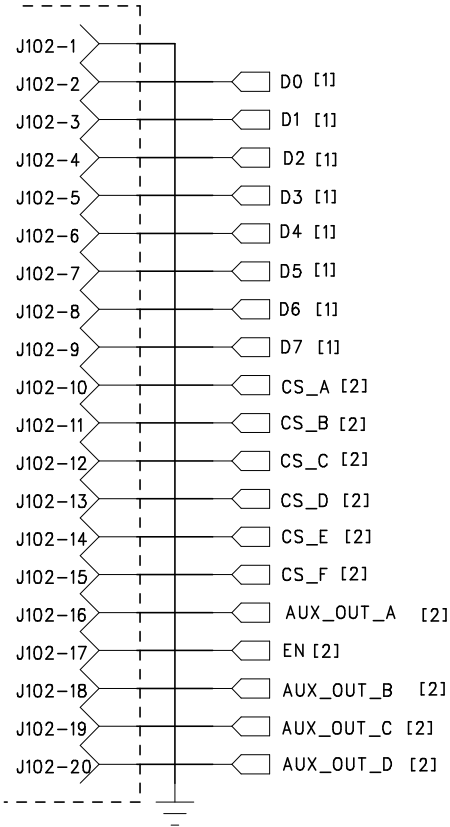
JK101 POSITIONS 1 & 2 = U12 RX ENABLED
JK101 POSITIONS 2 & 3 = U23 RX ENABLED



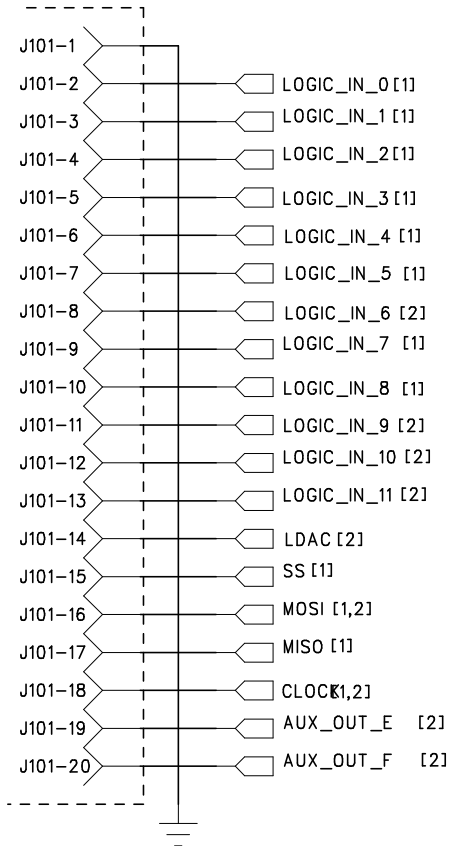
POWER & COMMUNICATIONS



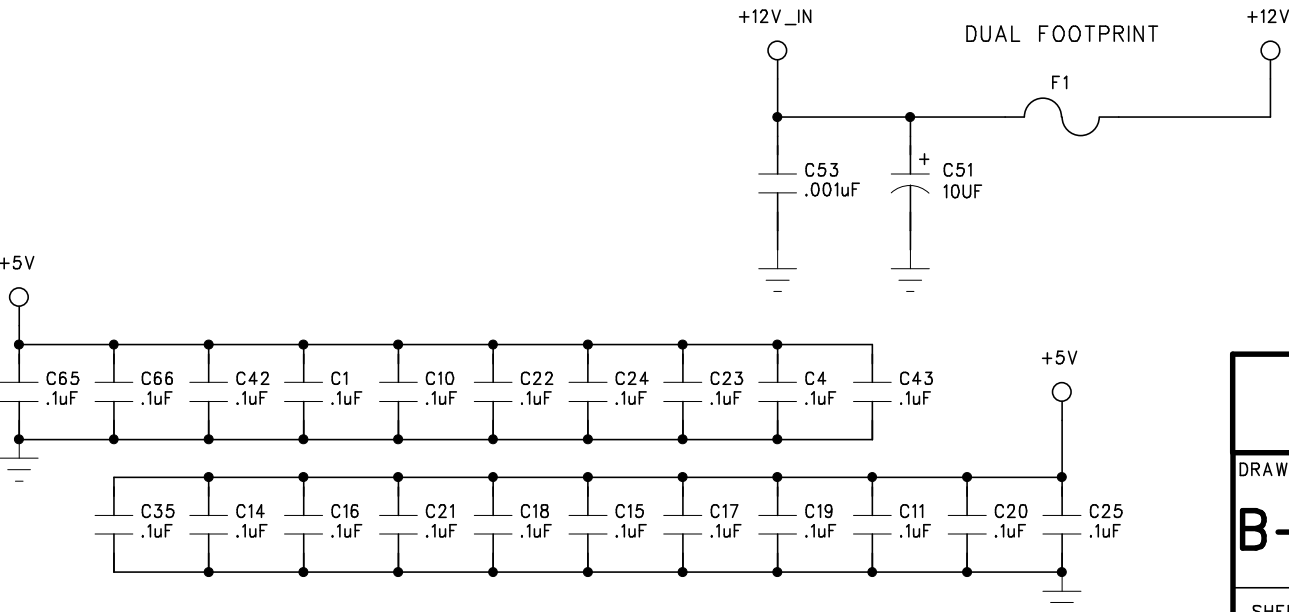
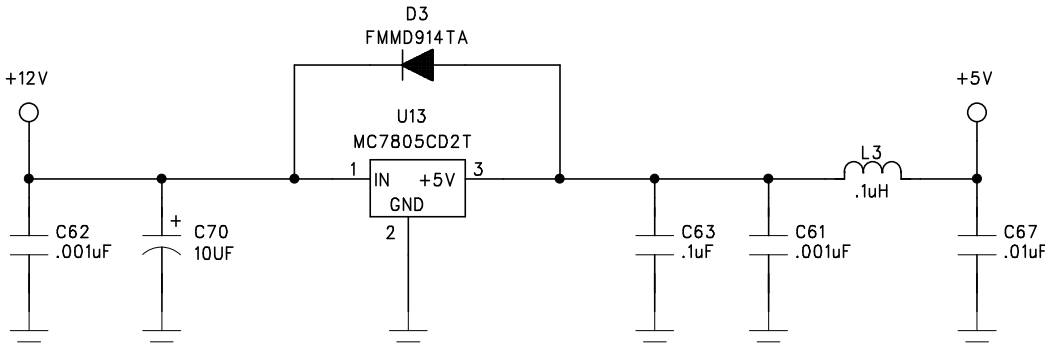
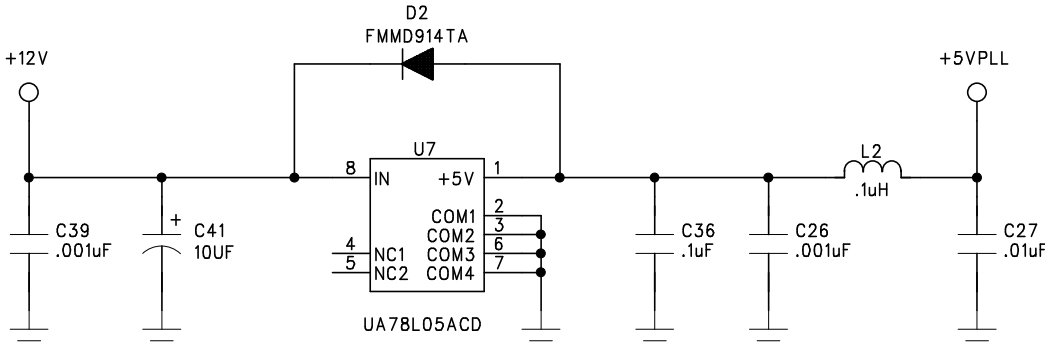
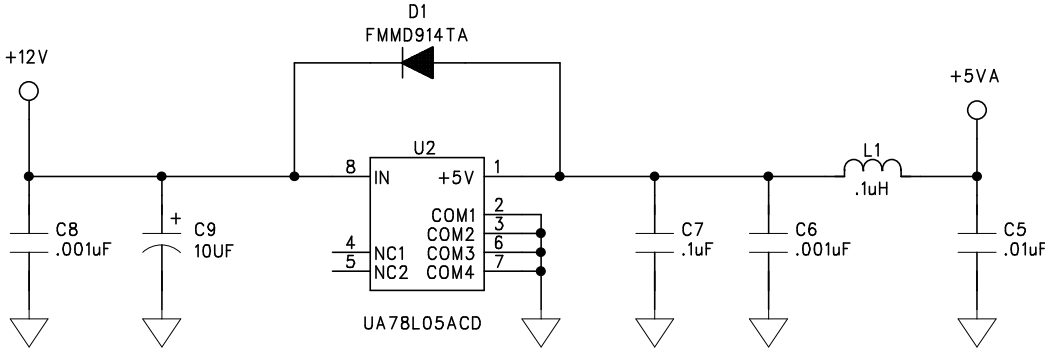
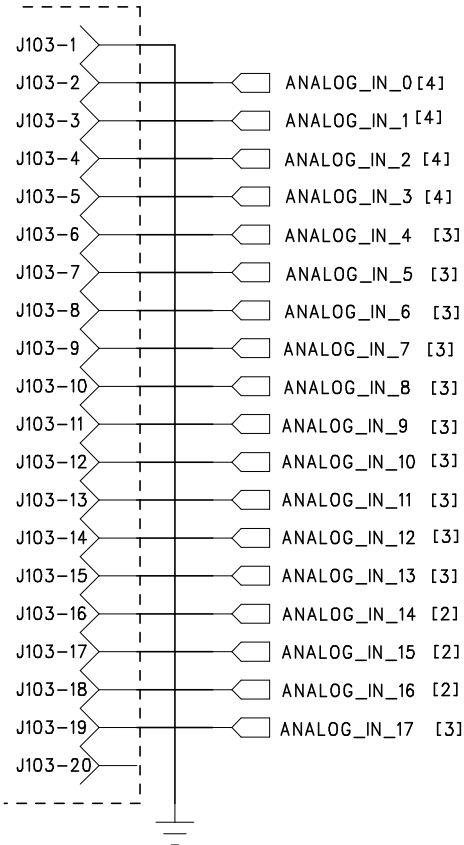
DIGITAL OUTPUTS



LOGIC INPUTS



ANALOG INPUTS





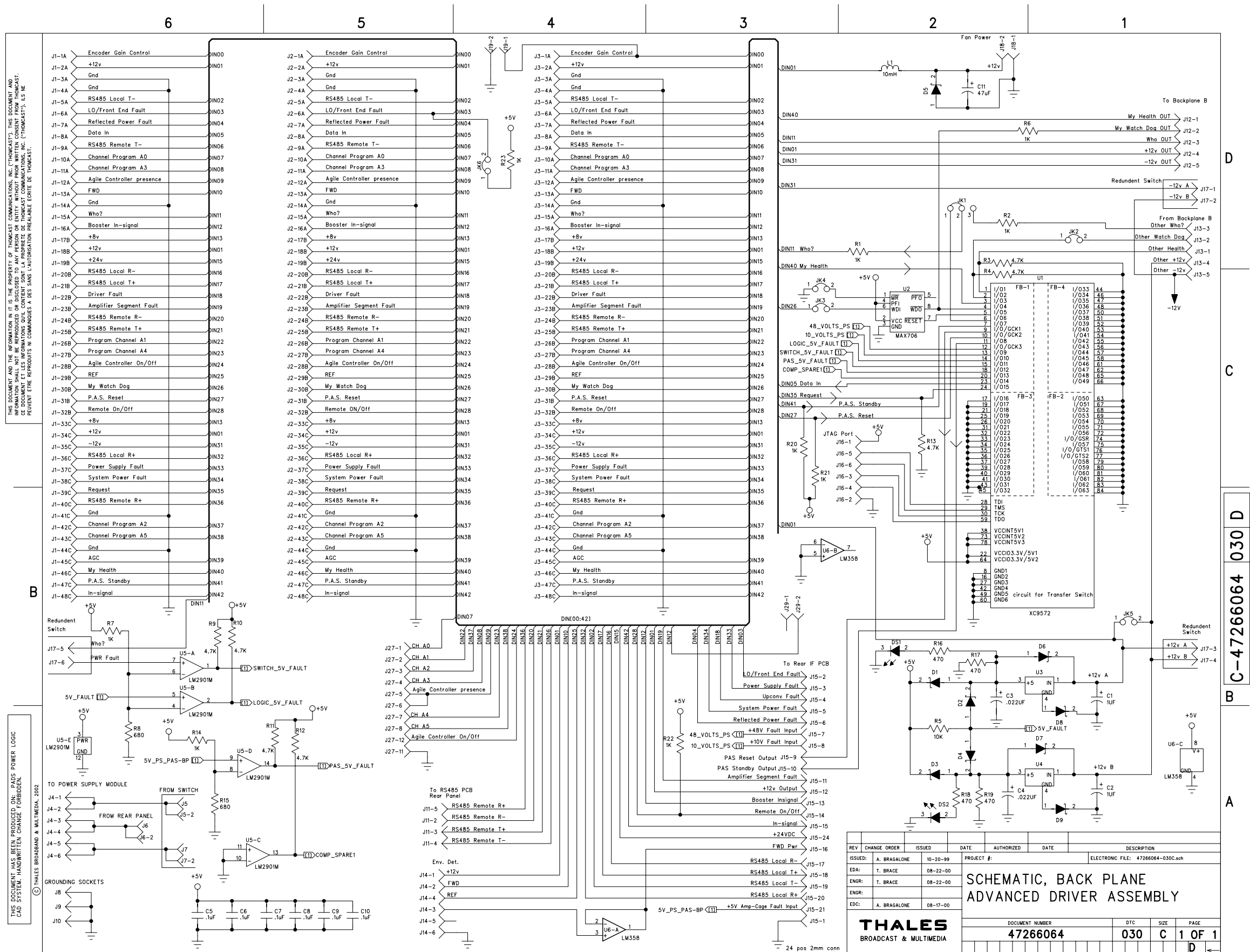
THOMCAST
COMMUNICATIONS Inc.
COMWAVE DIVISION

DRAWING NO:

B-47266058-030

SHEET: 5 OF 5

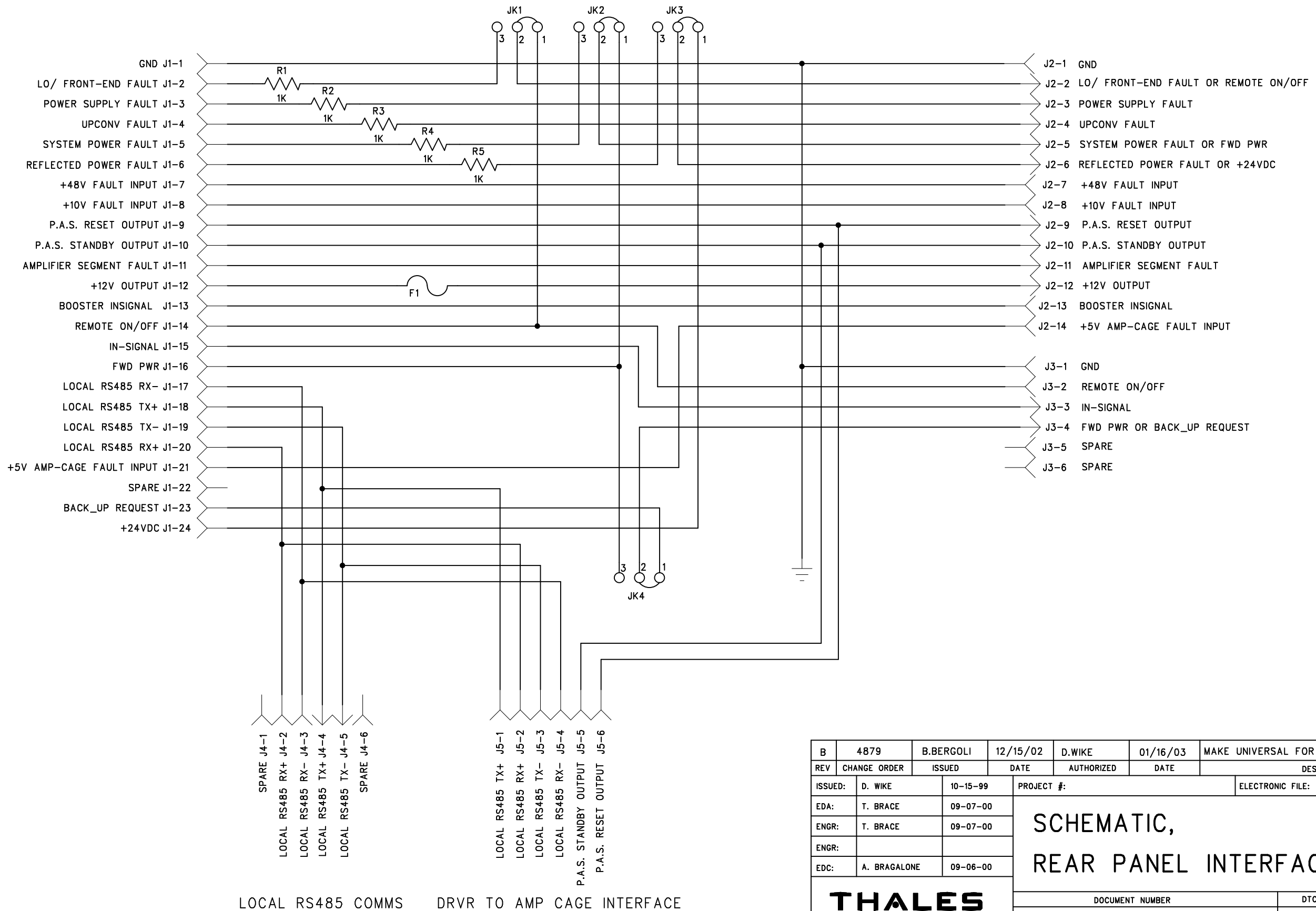
SEE SHEET 1 FOR REVISION



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THIS DOCUMENT HAS BEEN PRODUCED ON: PADS POWER LOGIC
CAD SYSTEM. HANDWRITTEN CHANGE FORBIDDEN.

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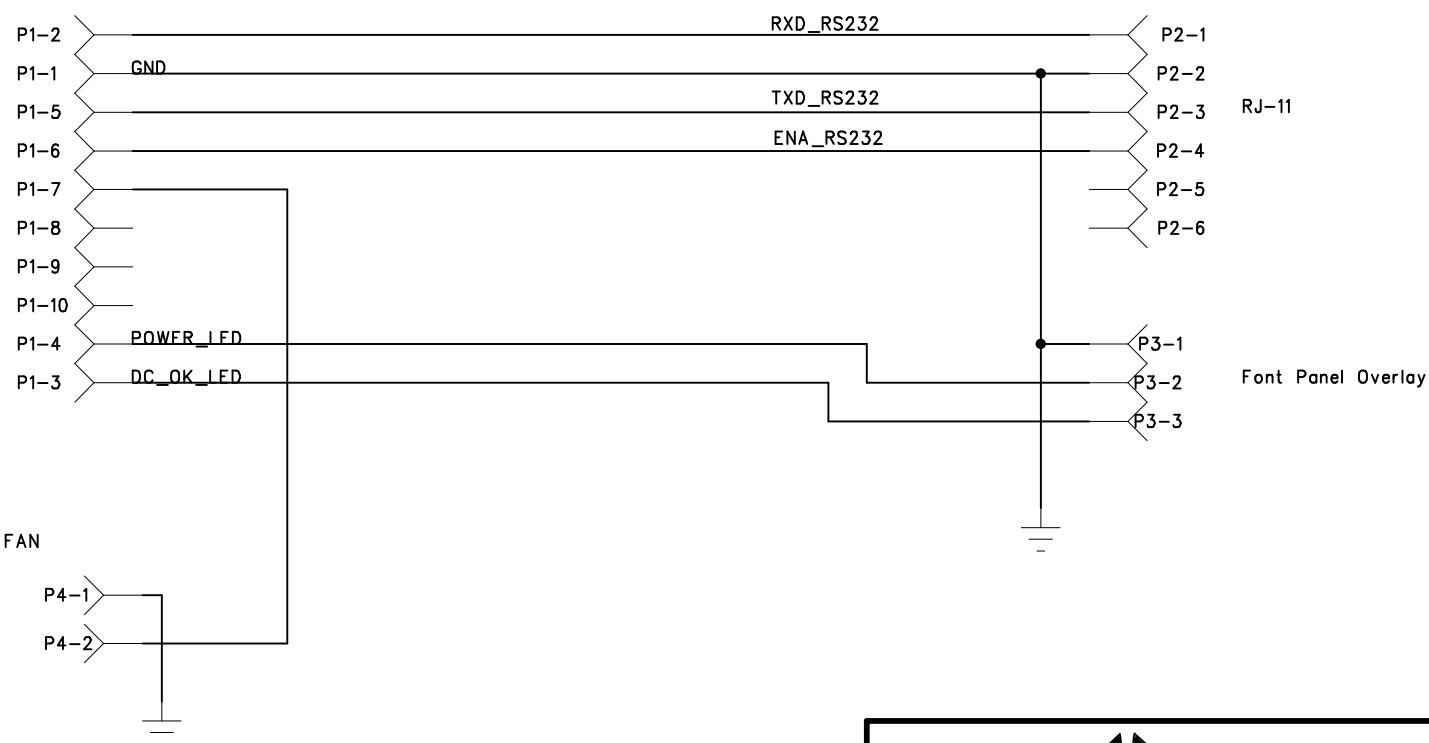


AGILE CONTROLLER INTERFACE

[illegible]

REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

TO DC CONVERTER PCB



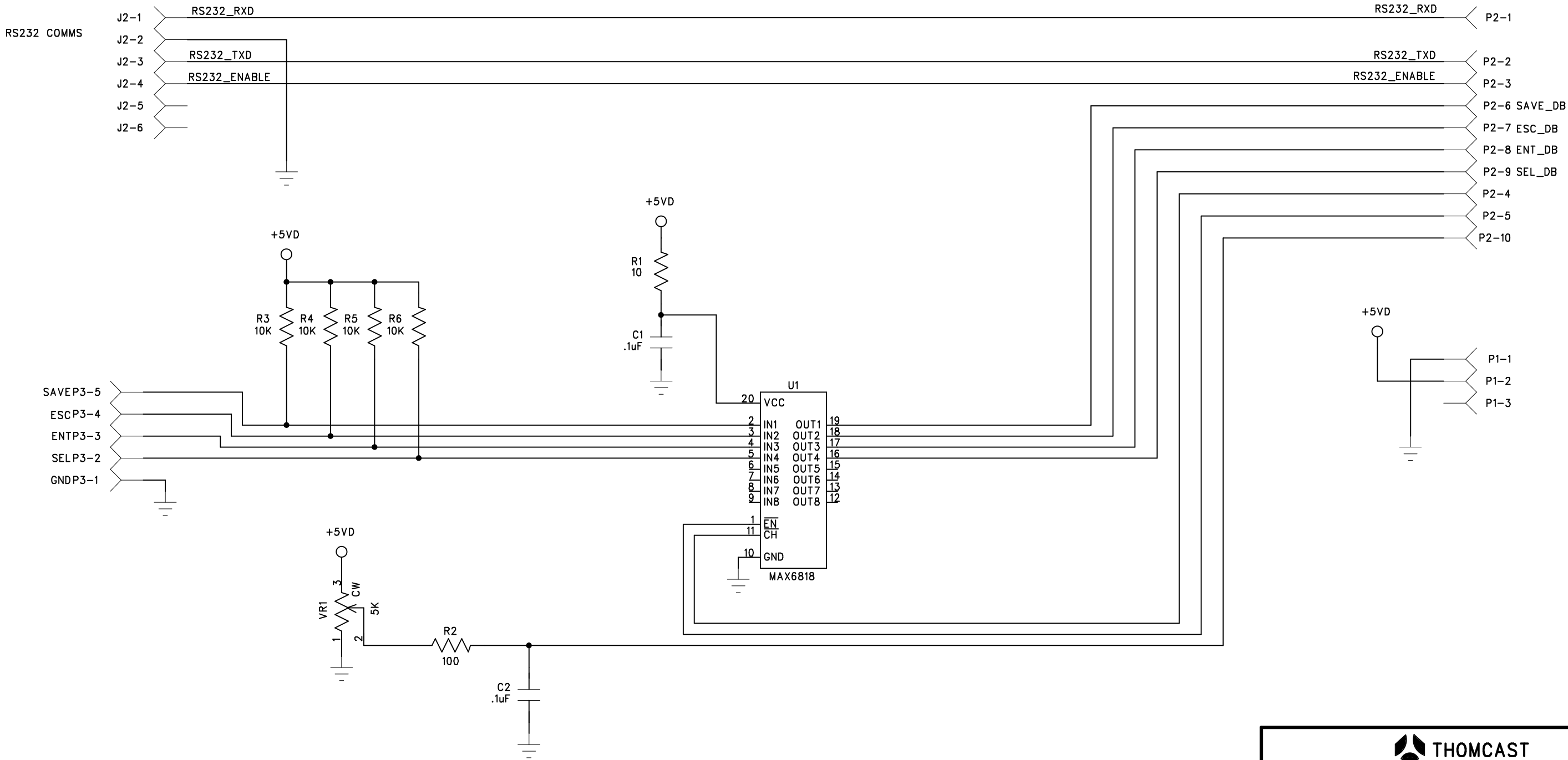
TO FAN



TITLE: Display Circuit Card
Power Supply Module

DRAWN: CHRIS SMITH	DATED: 8/24/99	DRAWING NO: A-47266070-030	
CHECKED: C. SMITH	9-6-00	SHEET: 1 OF 1	
ELEC. ENGR: T. BRACE	9-7-00		
RELEASED: T. JERARD	9-14-00	SCALE:	REV: A

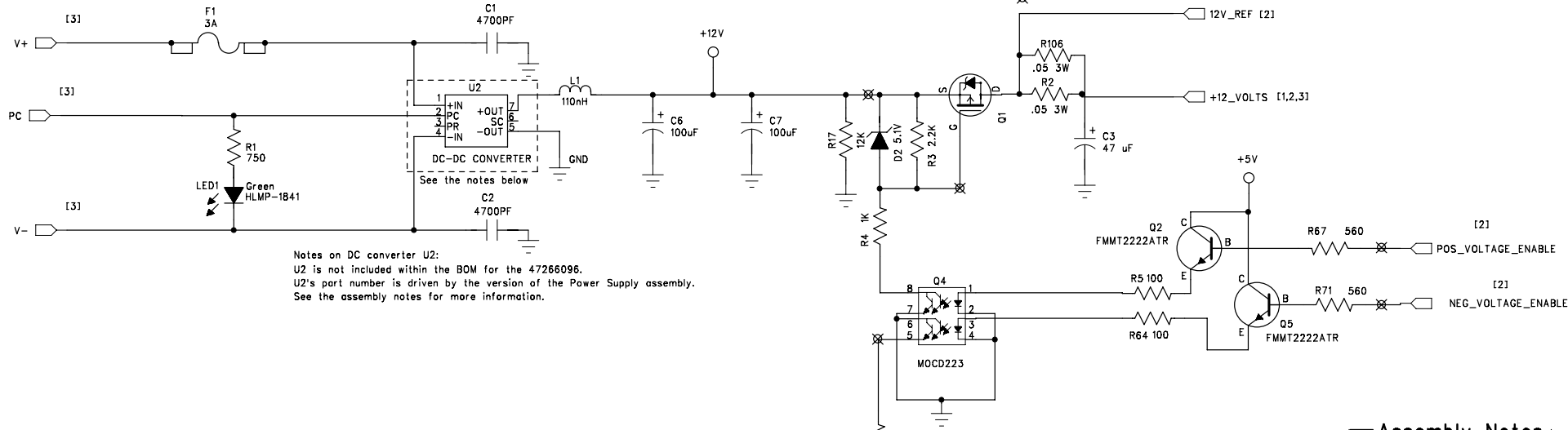
REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:



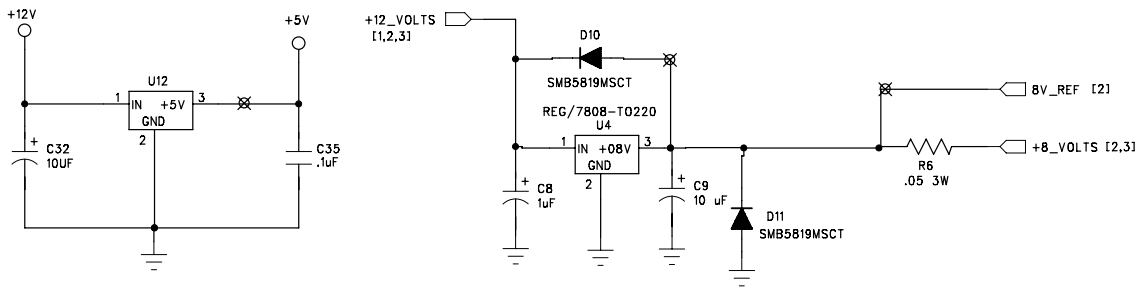
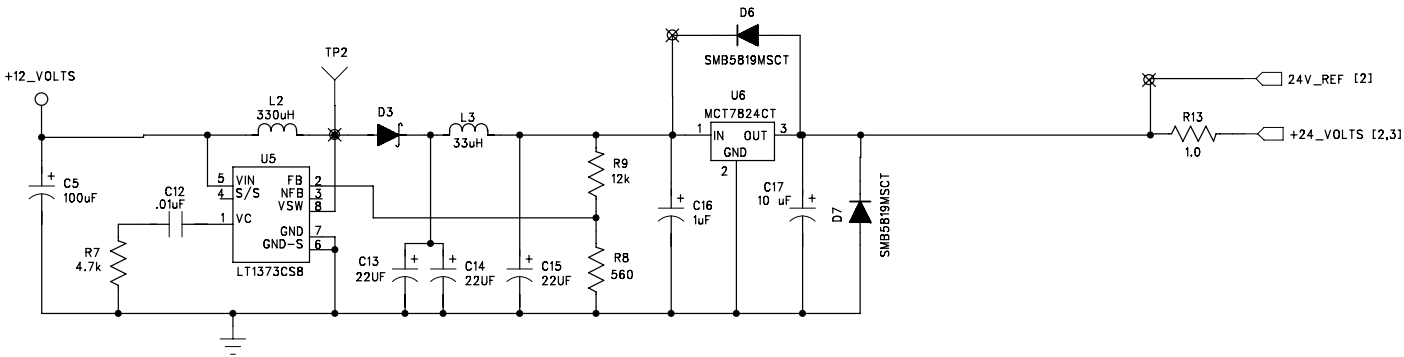
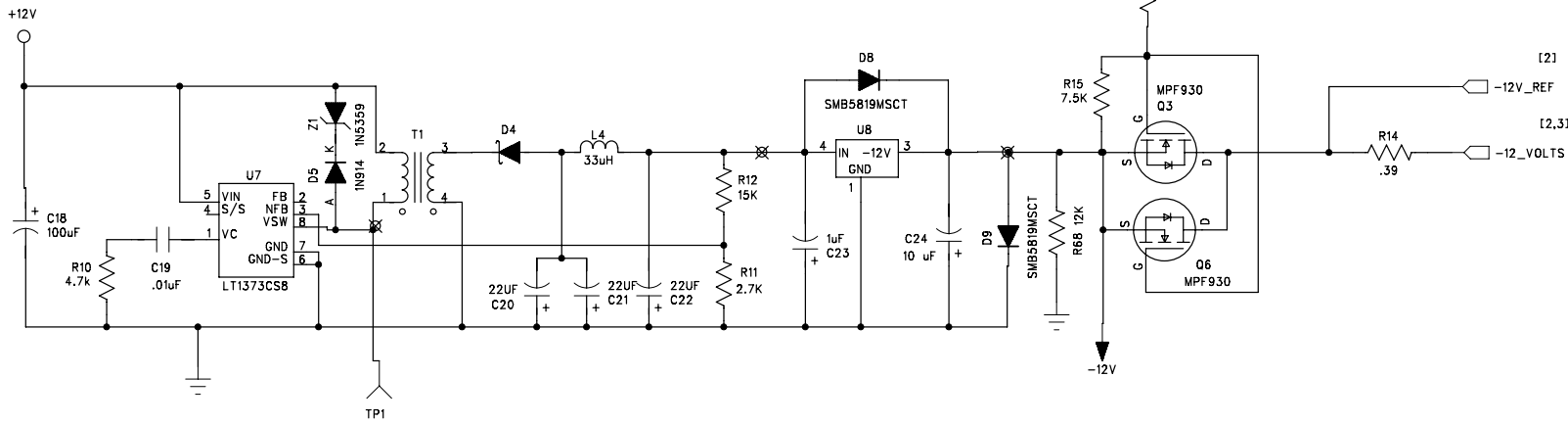
TITLE: SCHEMATIC, FRONT PANEL
UPCONVERTER PLUG-IN

DRAWN: K.HARDING	DATED: 9-29-99	DRAWING NO:	
CHECKED: A.CASTRO	8-29-00	B-47266086-030	
ELEC. ENGR: T. BRACE	8-24-00		
RELEASED: T. JERARD	9-14-00	SCALE:	REV: A

REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:
B	00-041	K.SIMEONE	12-14-00



Notes on DC converter U2:
U2 is not included within the BOM for the 47266096.
U2's part number is driven by the version of the Power Supply assembly.
See the assembly notes for more information.



Assembly Notes

This PCB is configured for both AC and DC front end power supply versions.
For use in the 47266099-01 version, DC front end, ensure:
JK1, and JK2 are added (closed)
U2, part number 750080-01 is installed on the extrusion.
J7 and J8 are unsued.

For use in the 47266099-02 version, AC front end, ensure:
JK1, and JK2 are OPEN.
U2, part number 750311-01 is installed on the extrusion.
J7 and J8 are harnessed to the AC Filter board.

Verrify that the correct settings are made prior to module testing or,
damage to the PCB and DC converter modules will occur.

Test Notes

The input and output from the DC converter are isolated from each other.
When using a dual trace oscilloscope, do not connect one probe to the input
pins, and the other probe to the output pins simultaneously (without an
use of an isolation transformer) or damage to the converter module and
oscilloscope will result.

COMMUNICATION MICROWAVE CORP.			
CRESTWOOD INDUSTRIAL PARK MOUNTAINTOP, PA. 18707			
TITLE: DC CONVERTER BOARD POWER SUPPLY MODULE			
DRAWN: C. Smith	DATED: 9-9-99	DRAWING NO: C-47266096-030	
CHECKED: C. SMITH	9-21-00	SHEET: 1 OF 3	
EDC: T. JERARD	9-21-00	SCALE:	
RELEASED: C. SMITH	9-21-00	REV: 8	

REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

