

NORTHROP GRUMMAN PROPRIETARY LEVEL I

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

NOTES: UNLESS OTHERWISE SPECIFIED

1. PART NUMBERS SHOWN ARE FOR REFERENCE ONLY.
FOR COMPLETE PART NUMBERS, SEE NEXT ASSEMBLY
PARTS LIST.

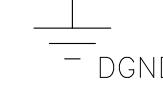
2. PARTIAL REFERENCE DESIGNATIONS ARE SHOWN.
FOR COMPLETE DESIGNATIONS, PREFIX WITH
UNIT NUMBER AND SUBASSEMBLY DESIGNATIONS.

3. RESISTOR VALUES ARE IN OHMS.
CAPACITOR VALUES ARE IN MICROFARADS (μ F), $+/-10\%$. 10V
INDUCTOR VALUES ARE IN MICROHENRIES (μ H)

4. REFERENCE DRAWINGS: DTE2244359
ASSEMBLY DRAWING: DTE2244350
PARTS LIST: PLDTE2244350

5. THE FOLLOWING SYMBOLS INDICATE PULLUP/PULLDOWN
RESISTORS:
↑ = PULLUP ↓ = PULLDOWN

6. DIGITAL GROUND IS INDICATED BY:



DGND

7. SIGNAL NAMES SUFFIXED WITH AN "X"
INDICATE NEGATED OR ACTIVE LOW.

8. REFERENCE DESIGNATIONS SHOWN BUT COMPONENTS NOT INSTALLED IF MARKED WITH "DNI"

SHEET	DESCRIPTION
1	TITLE
2	BACKPLANE CONNECTOR
3	MEZZANINE CONNECTOR
4	RED SWITCH
5	BLACK SWITCH
6	EEPROM
7	ACNIP1 & ACNIP2 PHY
8	ACNIP3 & ACNIP4 PHY
9	ACAIC & ACAIC FMV PHY
10	AMCTR1 & AMCTR2 PHY
11	AMCTR3 & AMCTR4 PHY
12	RED PHY
13	BLACK PHY
14	POWER DISTRIBUTION
15	EXTERNAL SWITCHES
16	CLOCK DISTRIBUTION
17	RESET

NORTHROP GRUMMAN PROPRIETARY LEVEL I

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NORTHROP GRUMMAN PROPRIETARY LEVEL I

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REVISION PRIOR TO USE

QTY REQD PER ASSY	DAI	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	MATERIAL	SPEC	REF DES	FIND NO
PARTS LIST							
UNLESS OTHERWISE SPECIFIED						DO NOT SCALE DRAWING	
						CONTRACT NO	
						ORIGINATOR	
						B.GEE	
						CHECKER	2019/06/12
						MFG	
						QA	
						R&D	
						PCMO	
						EDMC	
						THIRD ANGLE PROJECTION	
						SCALE: NONE	
						SHEET 1 OF 17	

DRAWING NO: D2244351

TITLE: 15120 INNOVATION DRIVE, SAN DIEGO, CALIFORNIA 92128

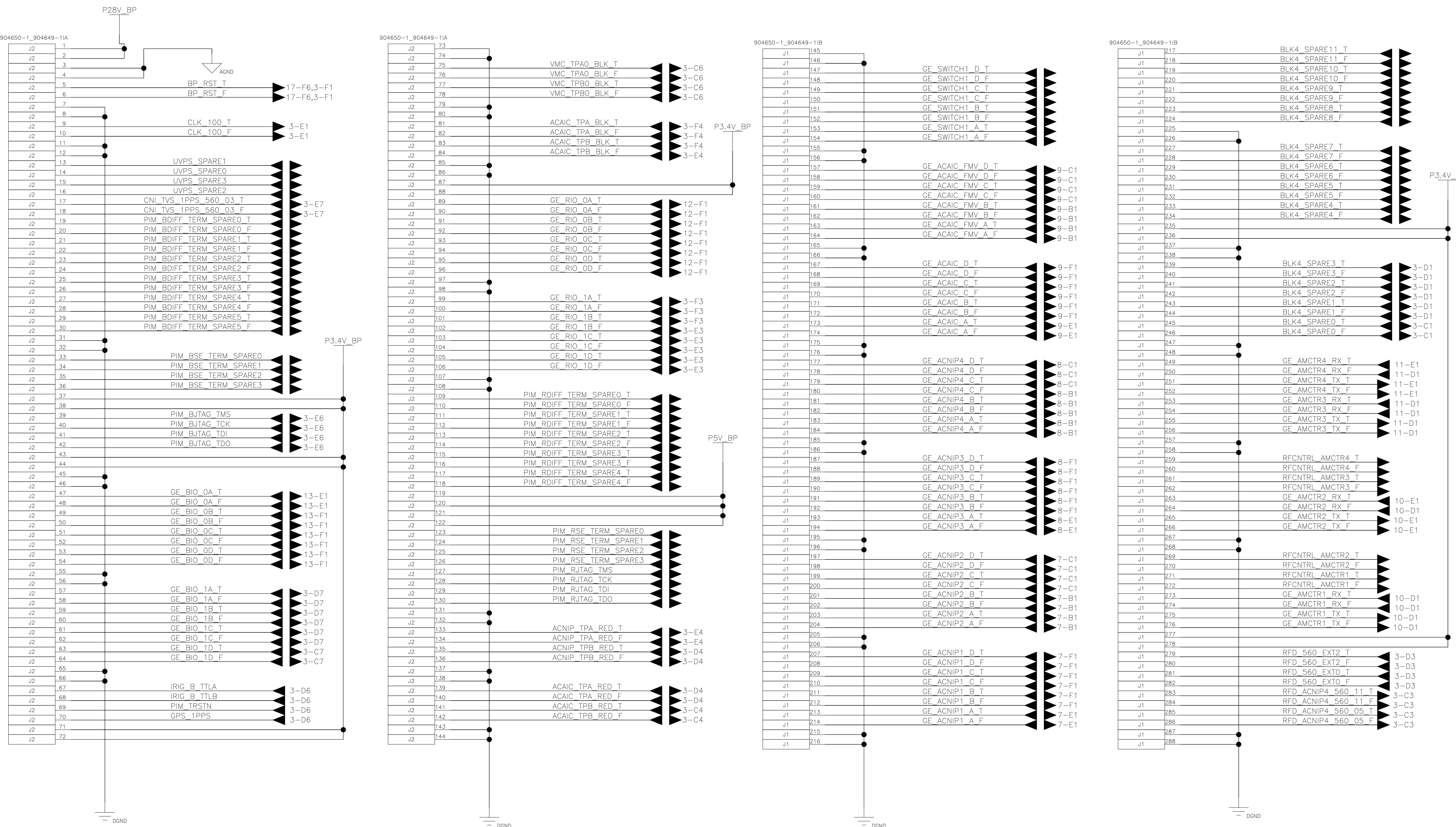
ICNG

SCHEMATIC DIAGRAM

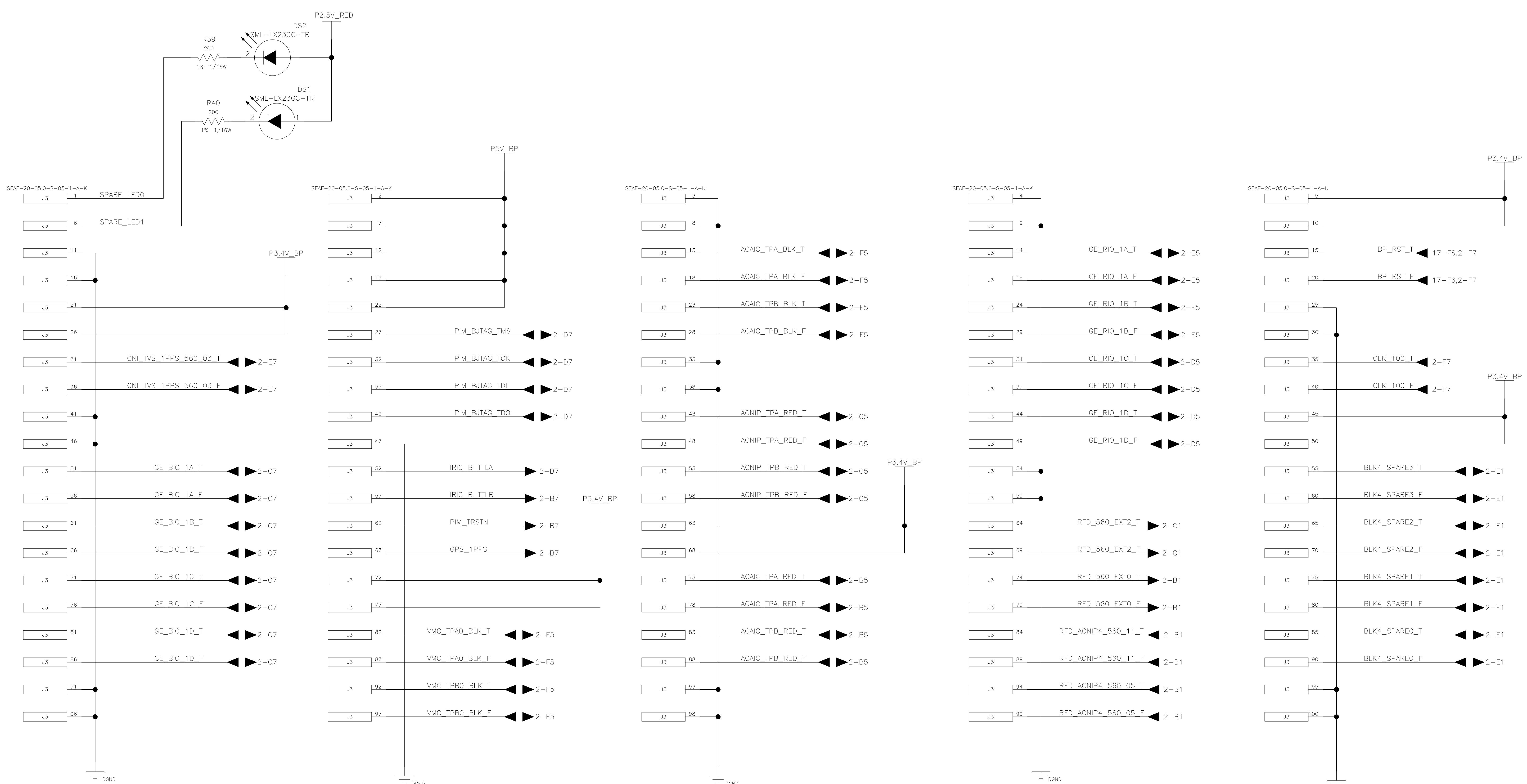
SIZE: E DRAWING NO: D2244351 REV: 1

SCALE: NONE SHEET 1 OF 17

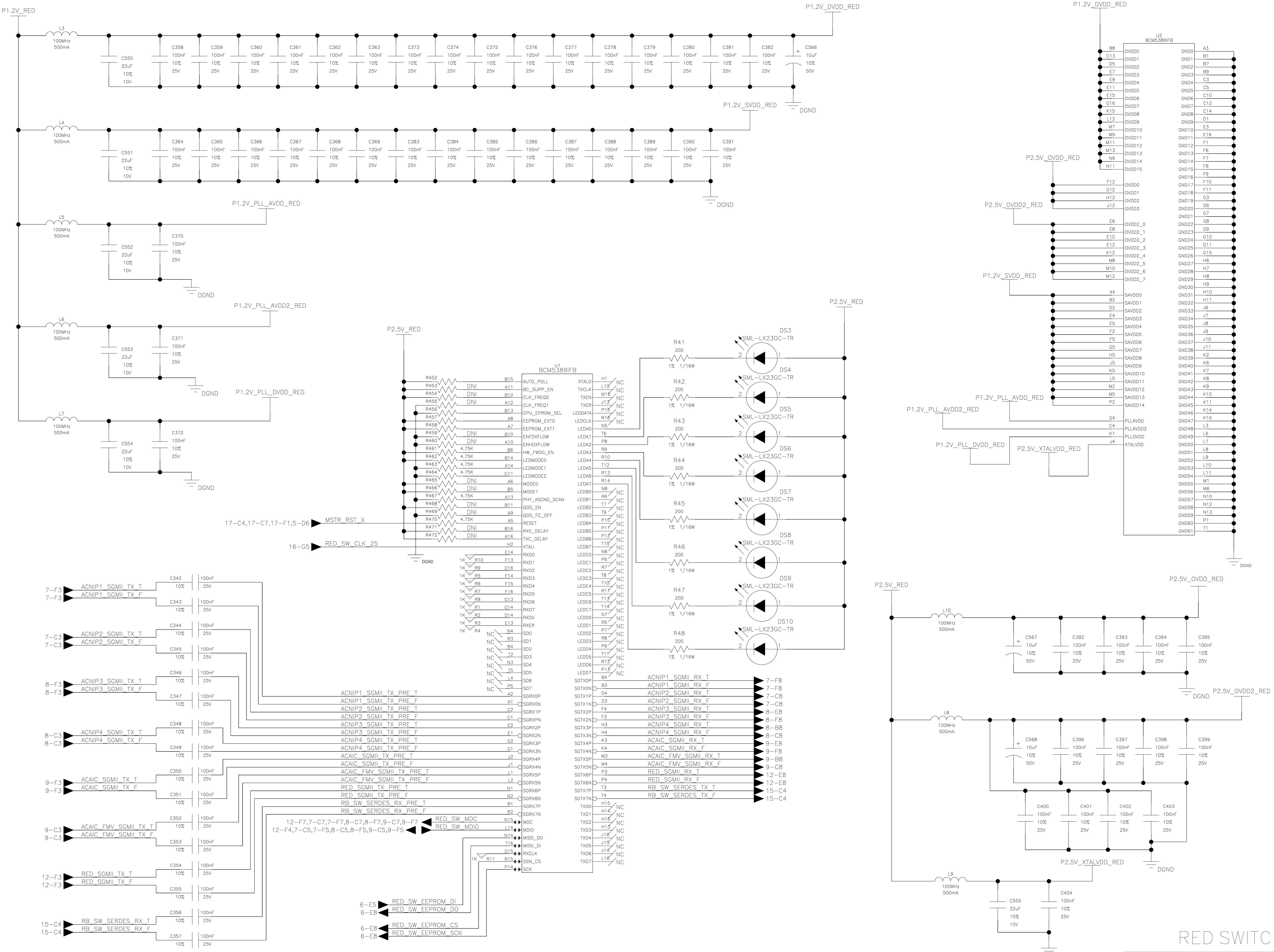
NORTHROP GRUMMAN PROPRIETARY LEVEL I



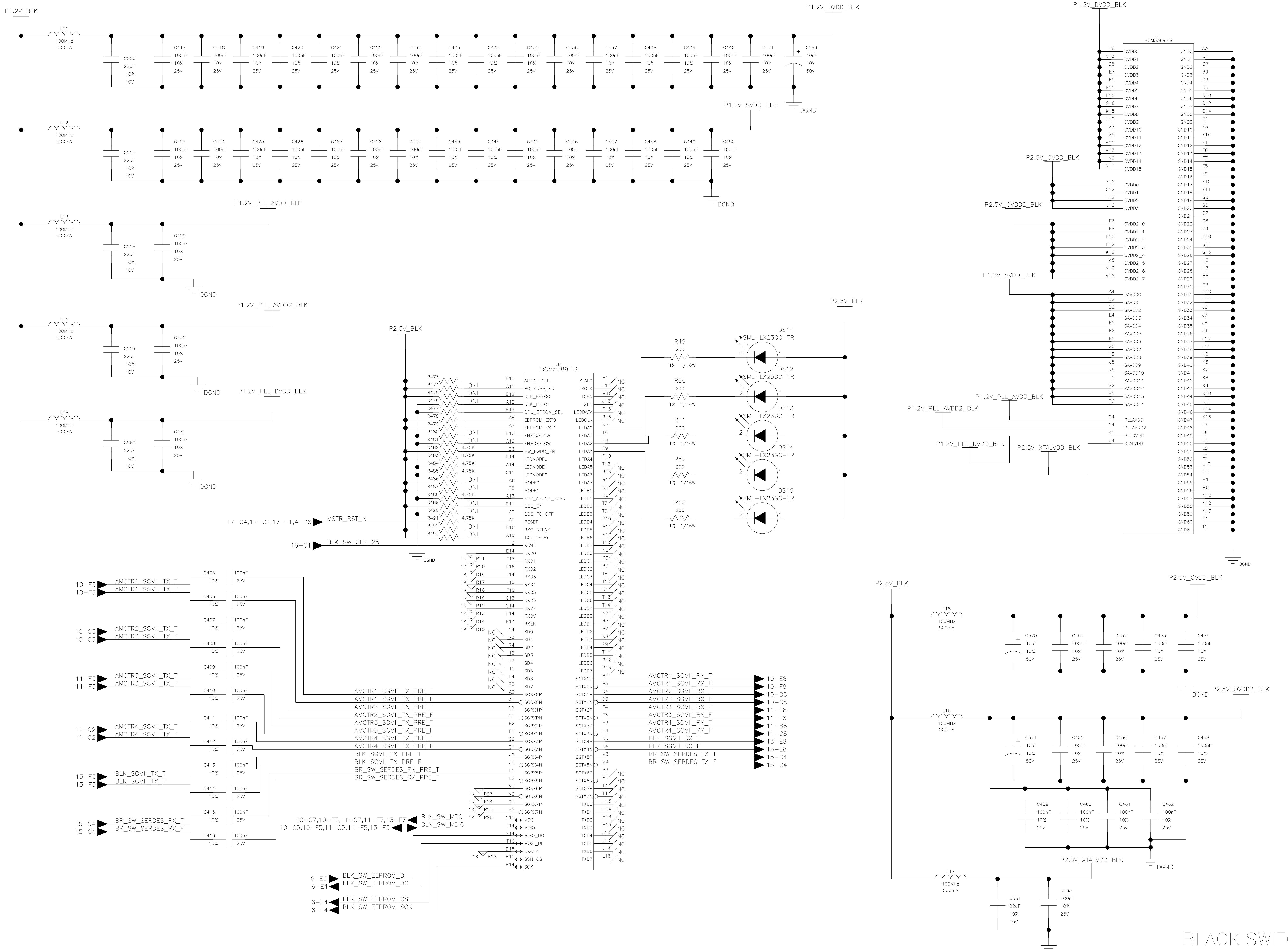
NORTHROP GRUMMAN PROPRIETARY LEVEL I



NORTHROP GRUMMAN PROPRIETARY LEVEL I



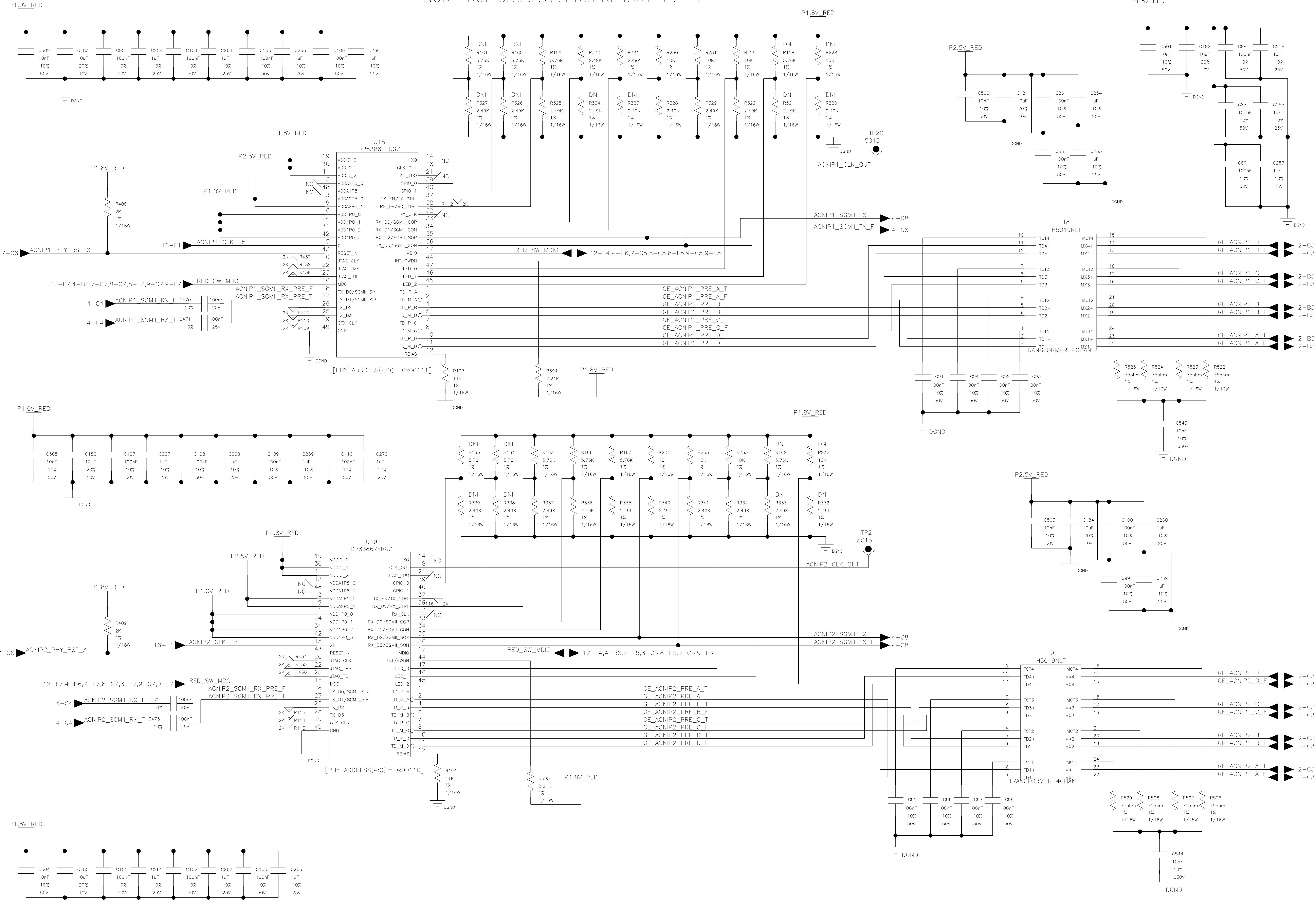
NORTHROP GRUMMAN PROPRIETARY LEVEL I



NORTHROP GRUMMAN PROPRIETARY LEVEL I



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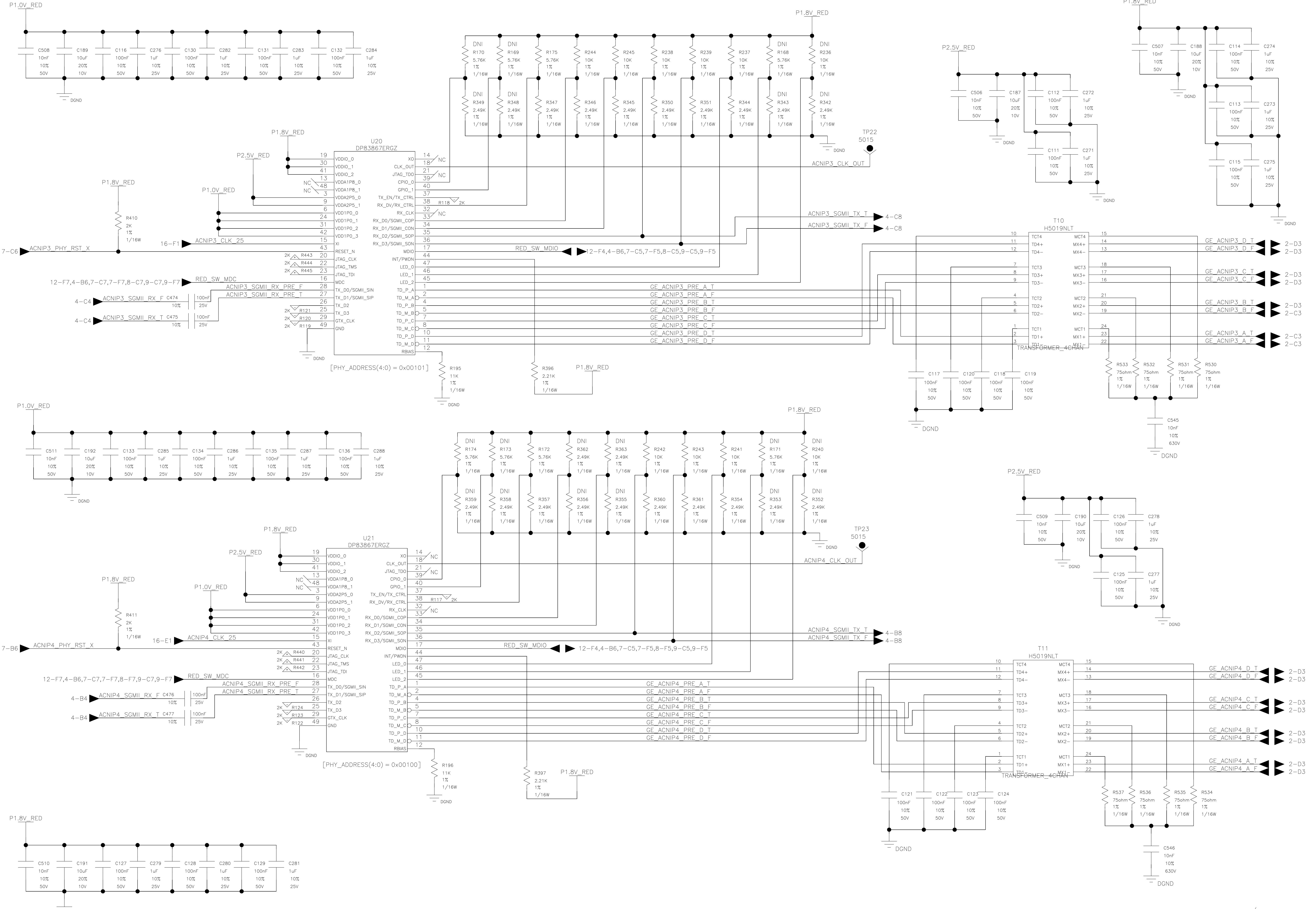
NORTHROP GRUMMAN PROPRIETARY | LEVEL 1

ACNIP1 / 2 PHY

SIZE	DAI	DRAWING NO	REV
F	65409	D2244351	1

SCALE NONE SHEET 7

NORTHROP GRUMMAN PROPRIETARY LEVEL I



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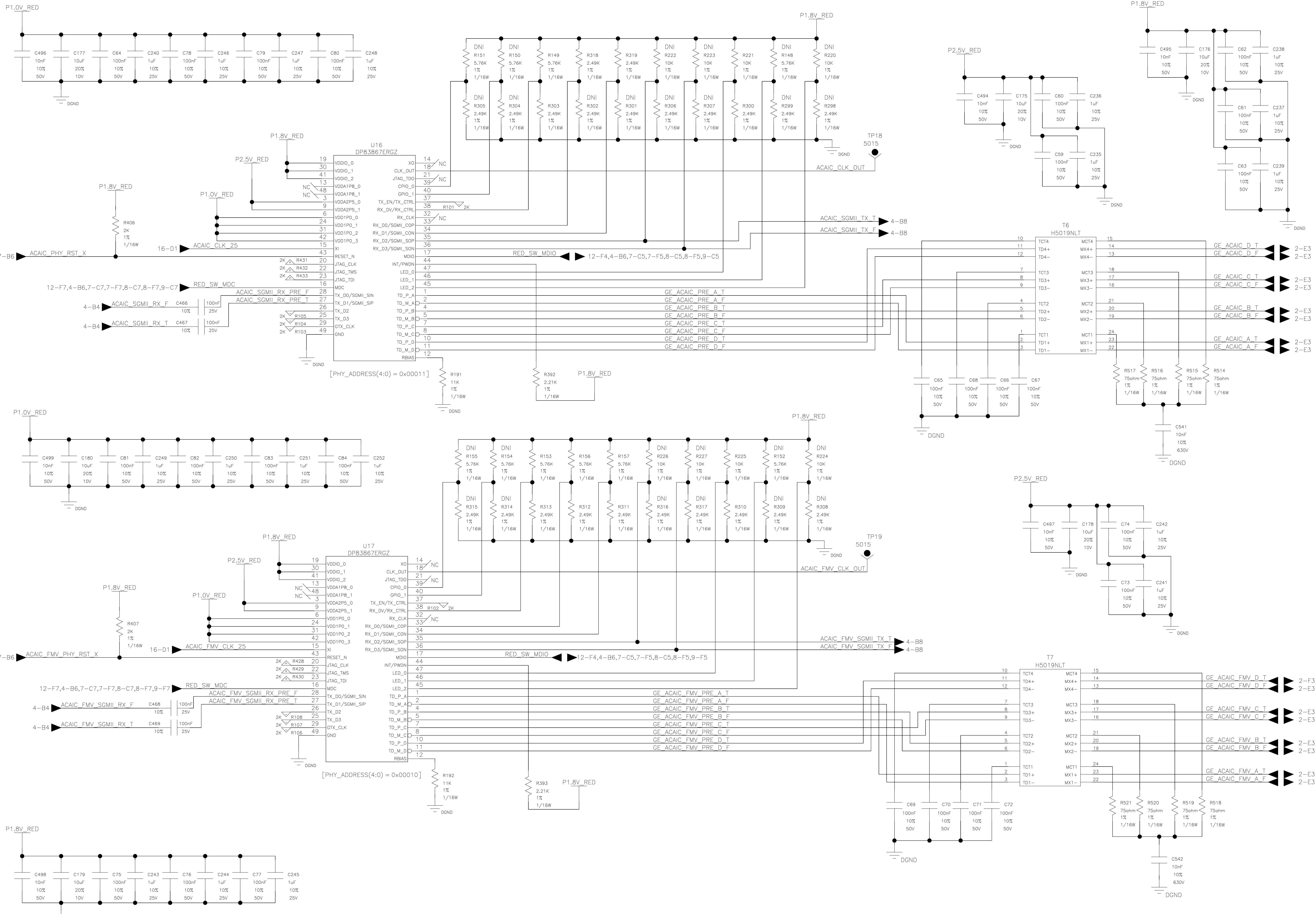
NORTHROP GRUMMAN PROPRIETARY | LEVEL 1

ACNIP3/4 PHY

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SCALE NONE SHEET 8

NORTHROP GRUMMAN PROPRIETARY LEVEL I

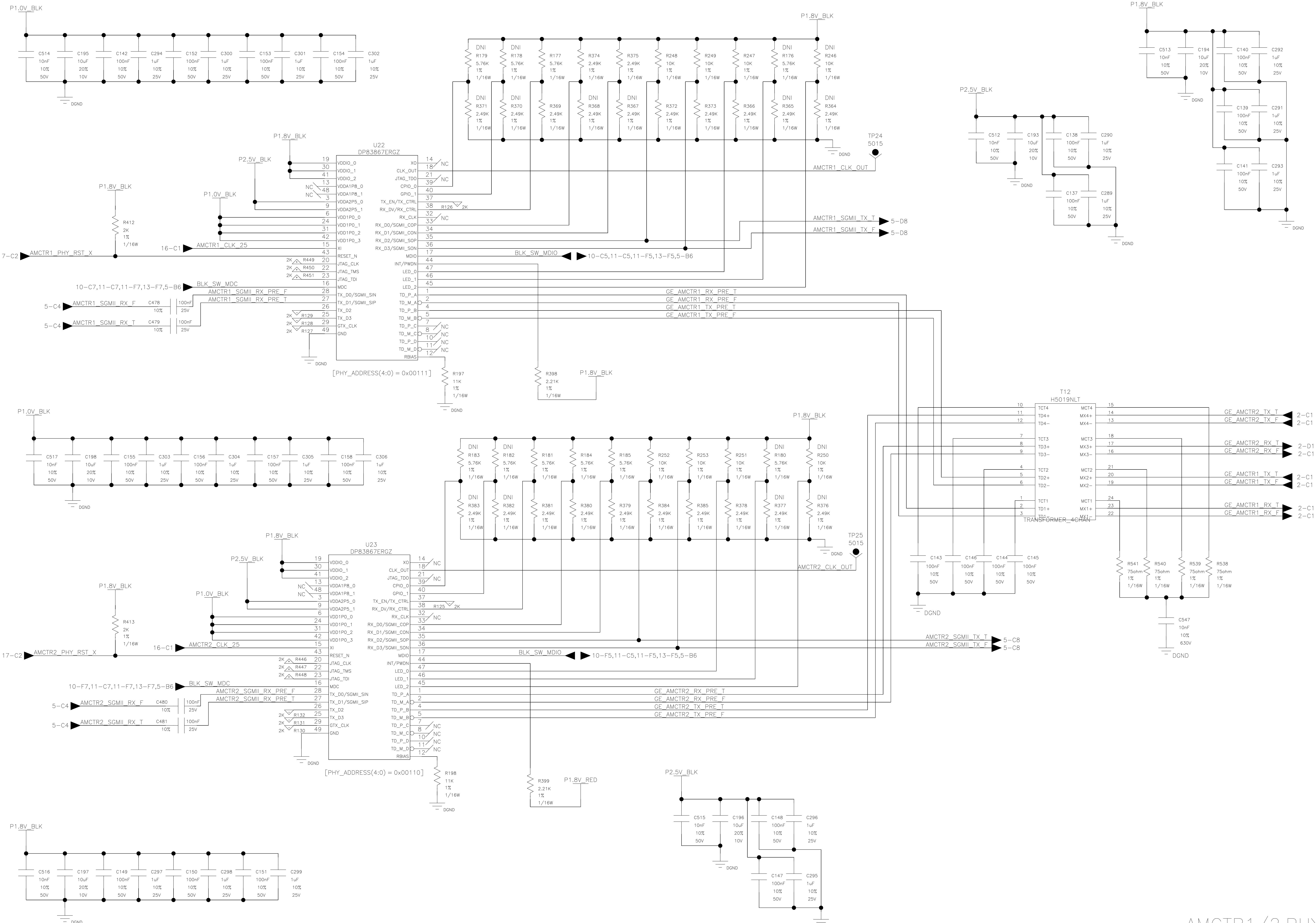


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NORTHROP GRUMMAN PROPRIETARY | LEVEL 1

SIZE E	DAI 65409	DRAWING NO D2244351	REV 1
SCALE NONE			SHEET 9

NORTHROP GRUMMAN PROPRIETARY LEVEL I



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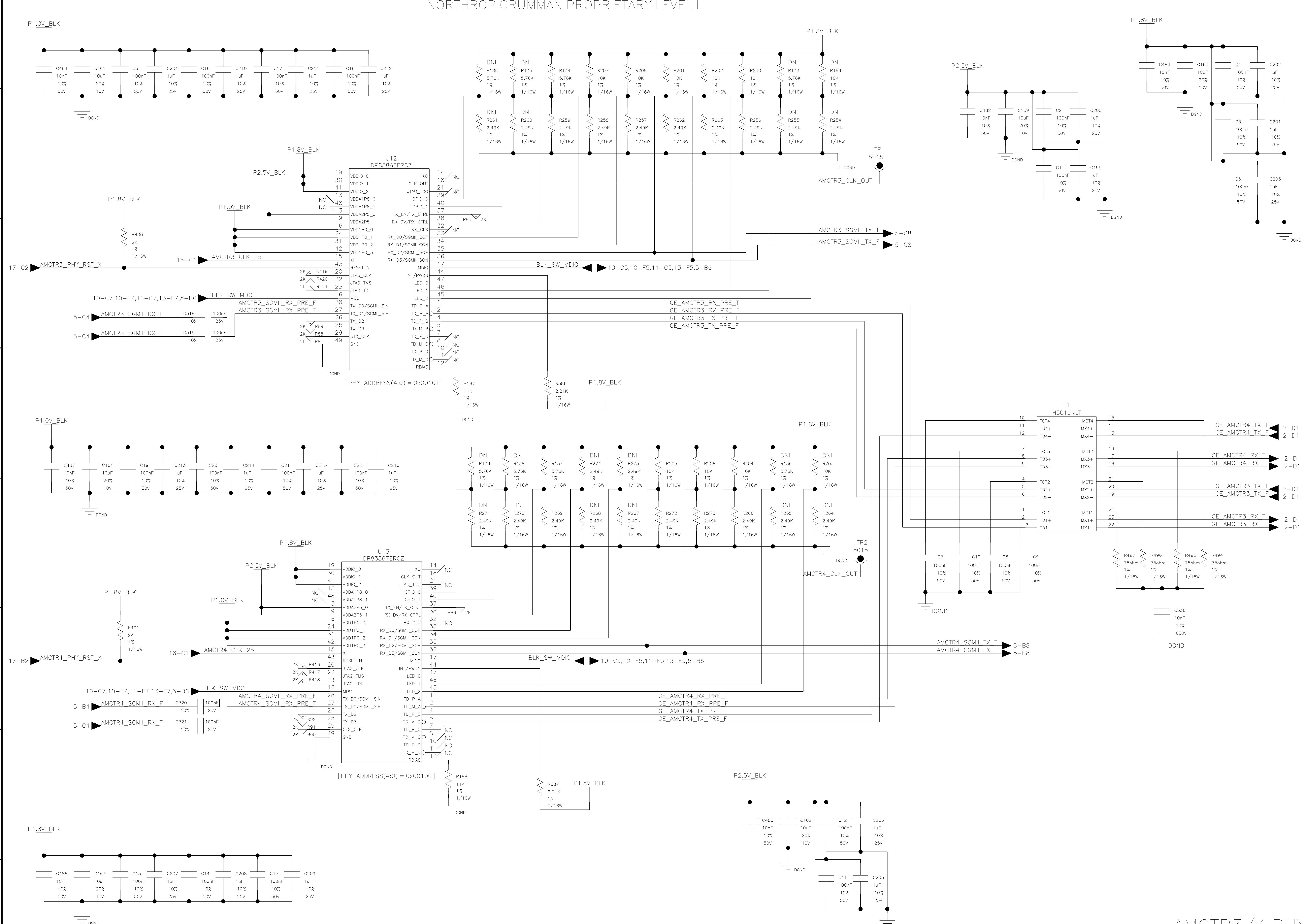
NORTHROP GRUMMAN PROPRIETARY | LEVEL 1

AMCTR1 /2 PHY

SIZE	DAI	DRAWING NO	REV
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SCALE NONE SHEET 10

NORTHROP GRUMMAN PROPRIETARY LEVEL I



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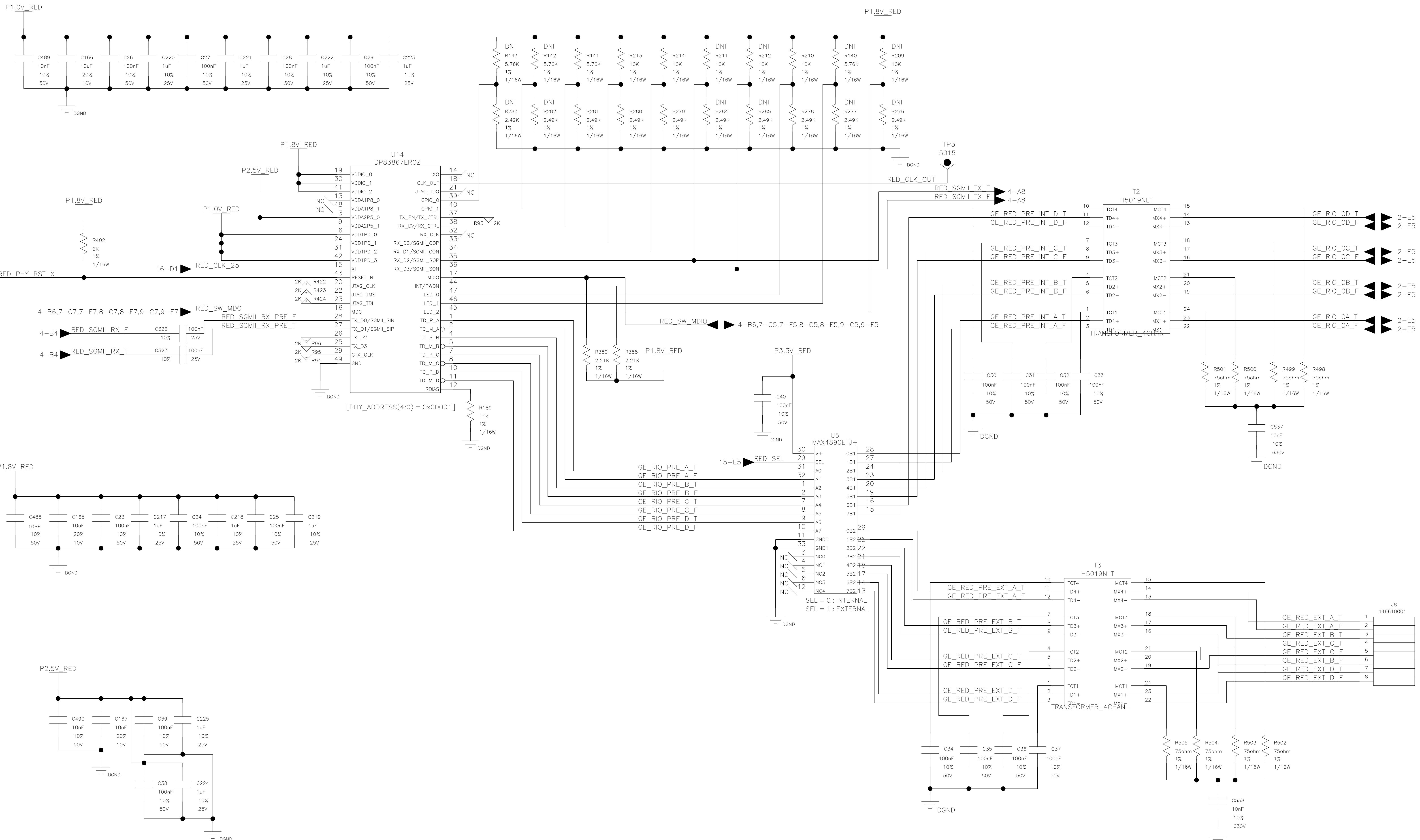
NORTHROP GRUMMAN PROPRIETARY | LEVEL 1

AMCTR3/4 PHY

SIZE	DAI	DRAWING NO	REV
E	65409	D2244351	1

SCALE NONE SHEET 11

NORTHROP GRUMMAN PROPRIETARY LEVEL I



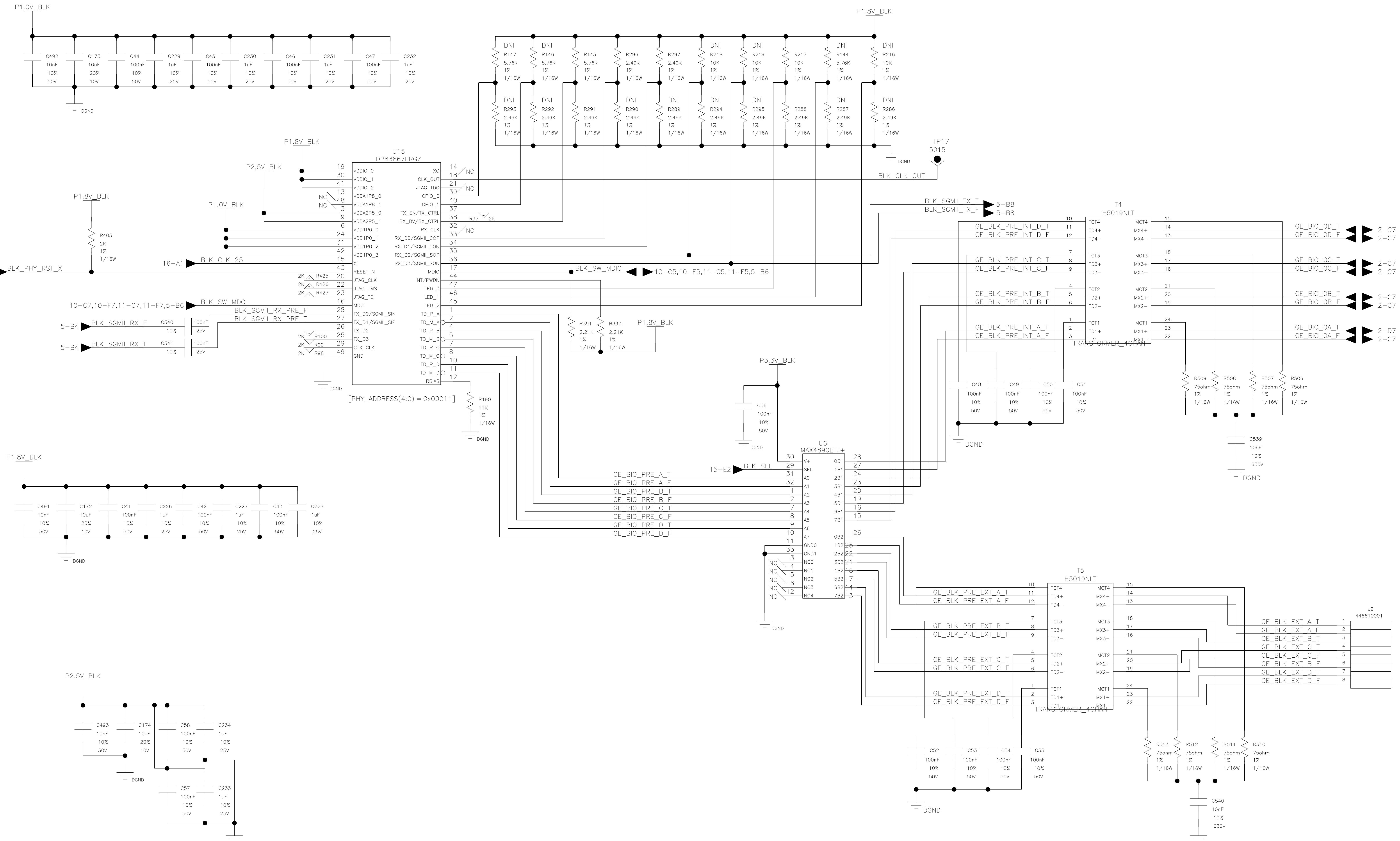
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NORTHROP GRUMMAN PROPRIETARY | LEVEL 1

RED PHY

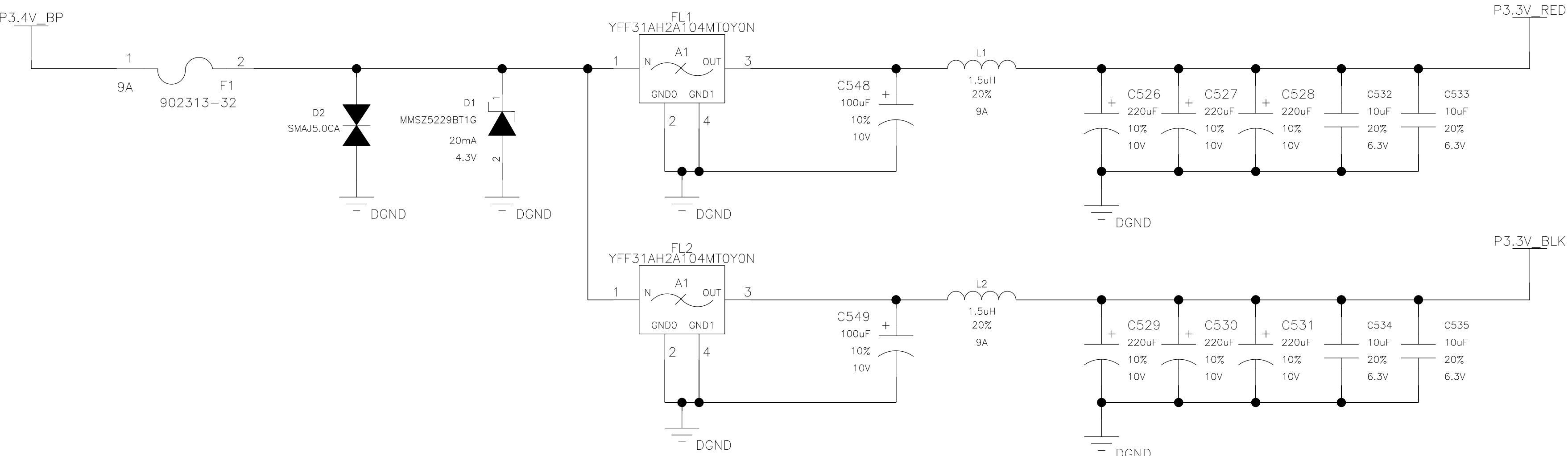
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SCALE NONE			SHEET 12

NORTHROP GRUMMAN PROPRIETARY LEVEL I

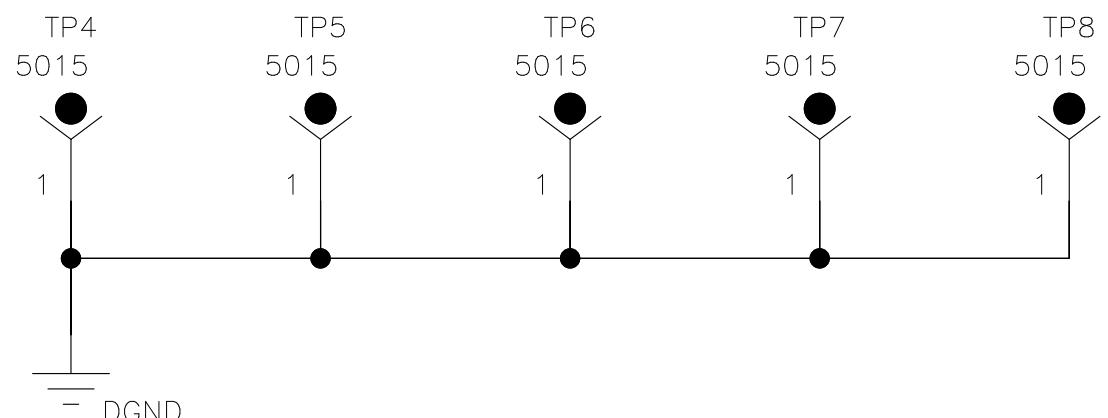


NORTHROP GRUMMAN PROPRIETARY LEVEL I

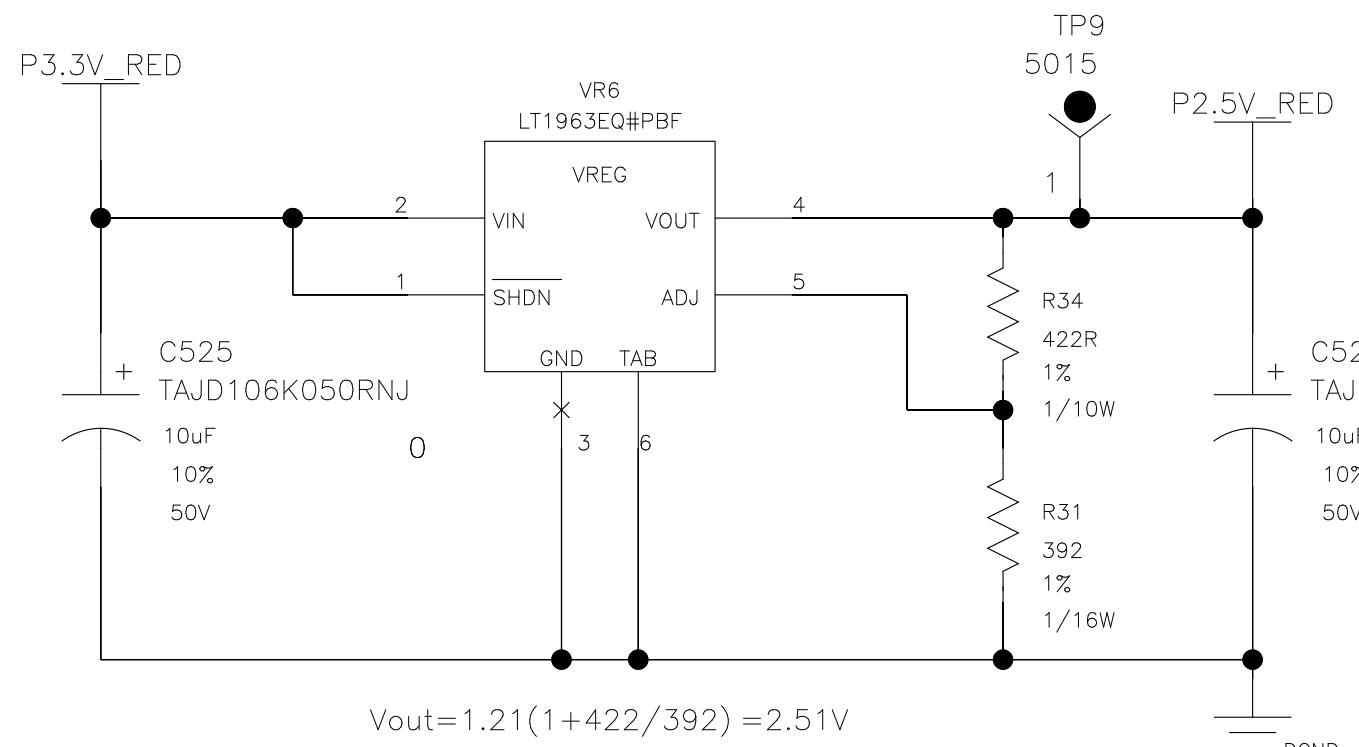
POWER FILTERING



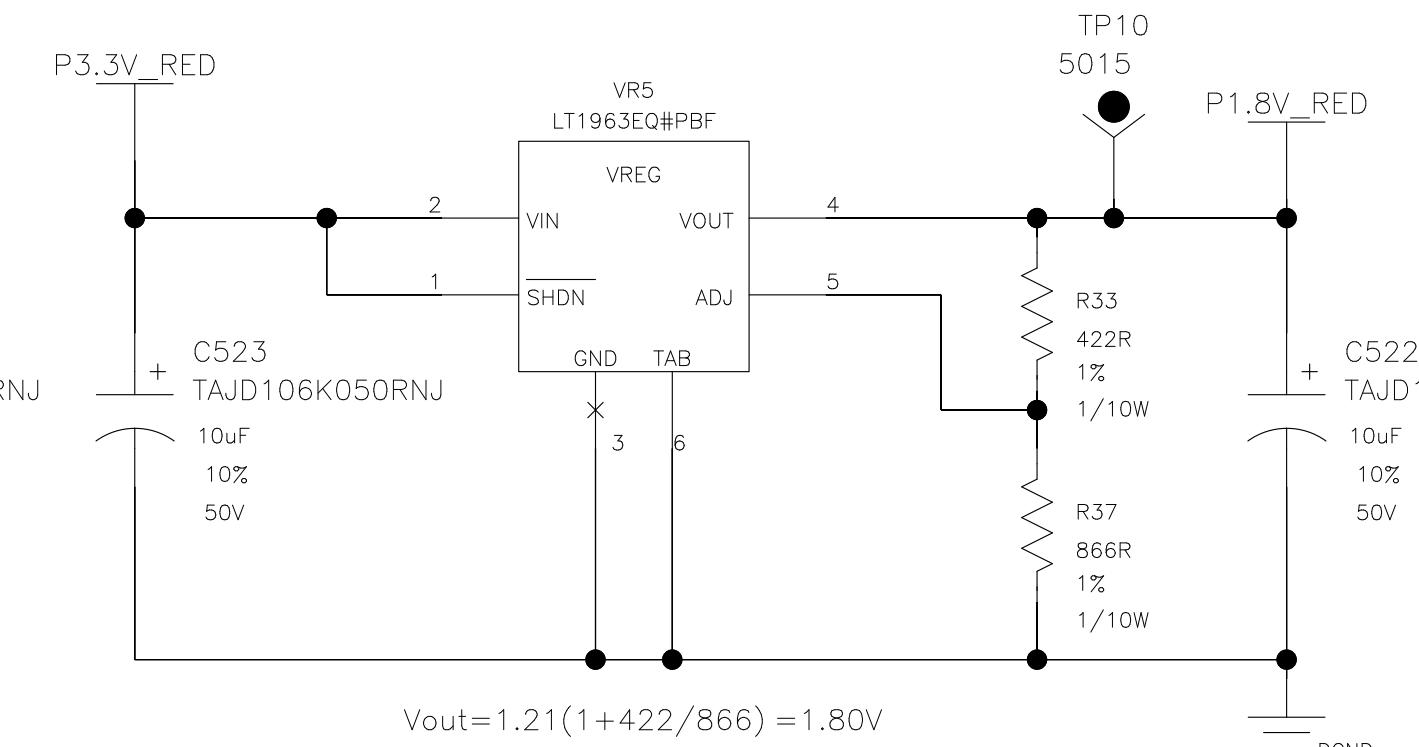
GND TESTPOINTS



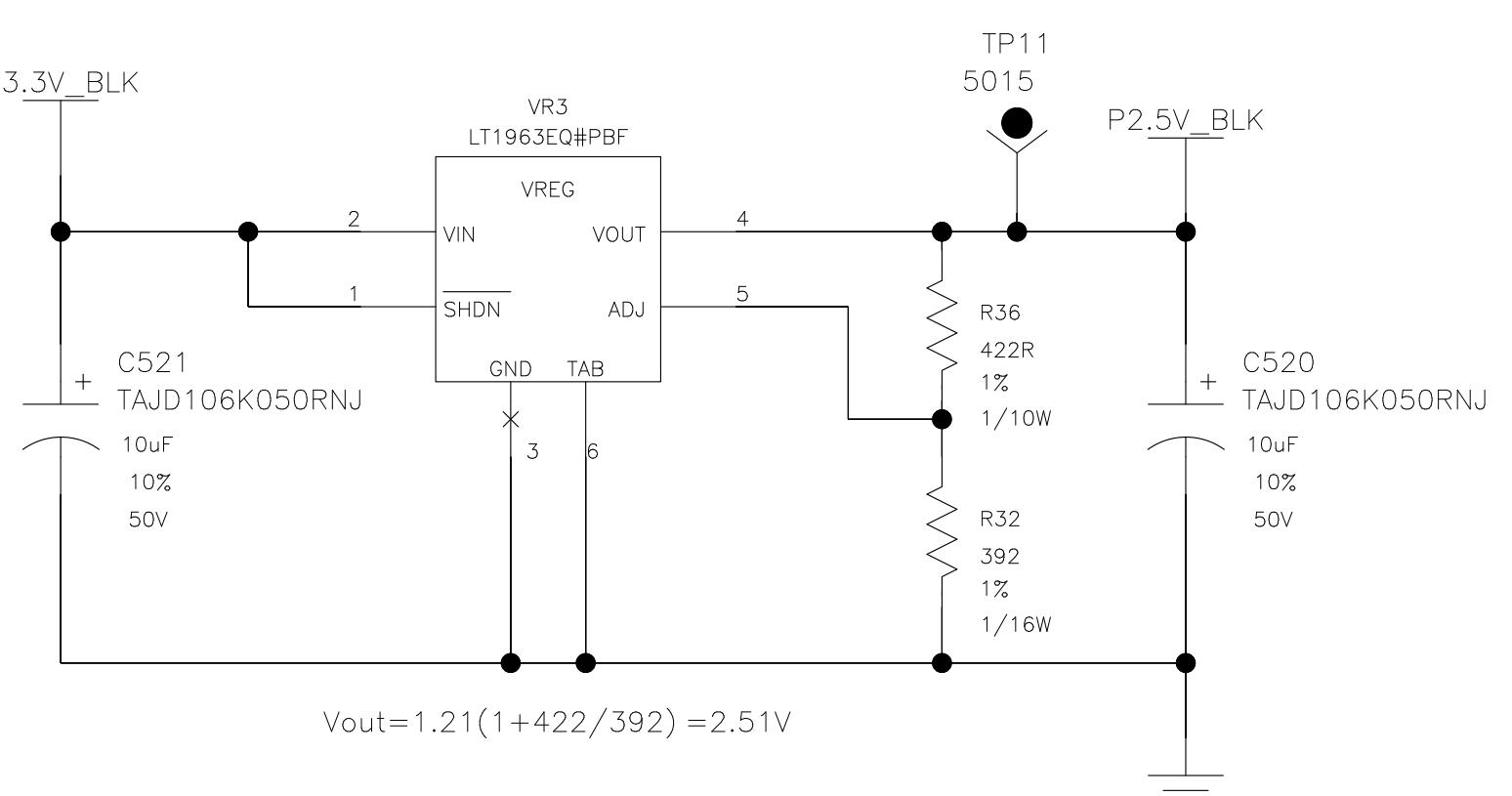
RED 2.5V REGULATOR



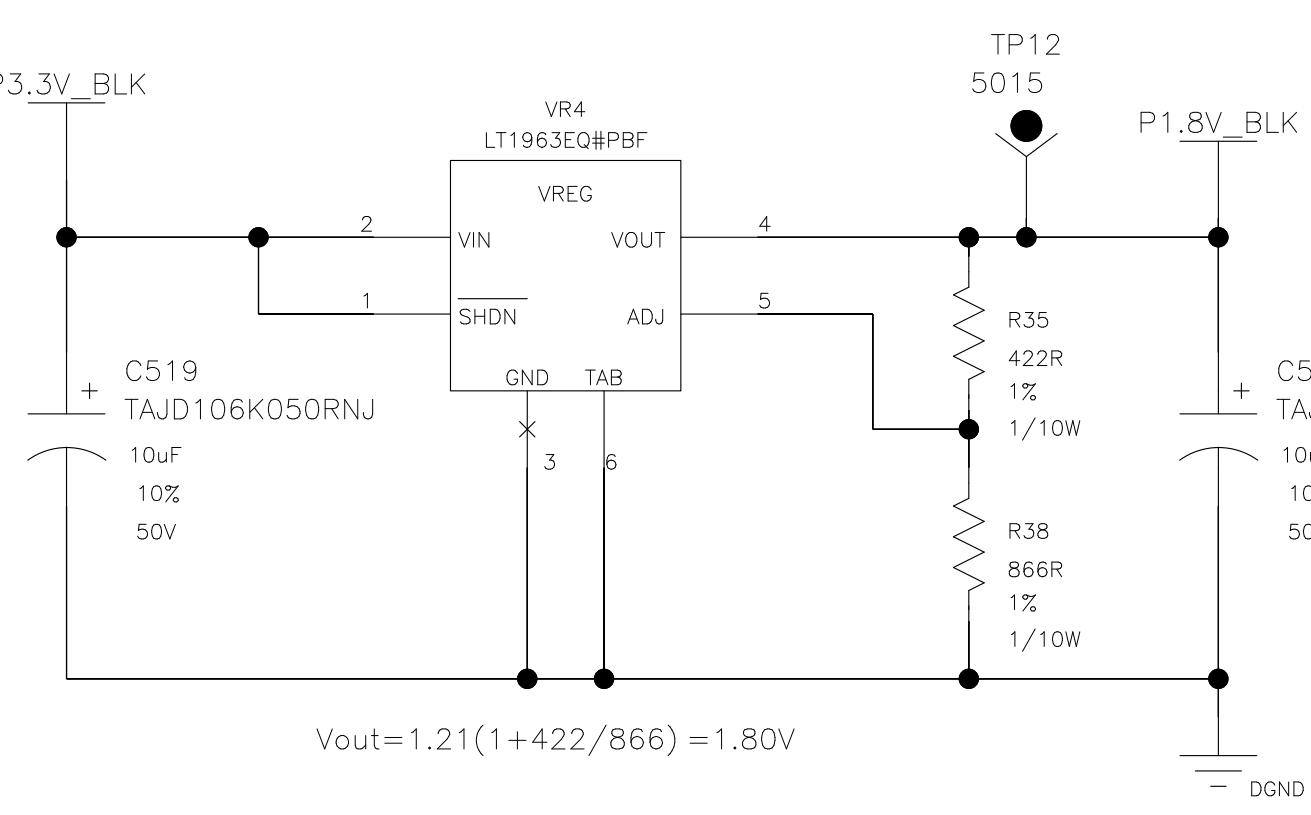
RED 1.8V REGULATOR



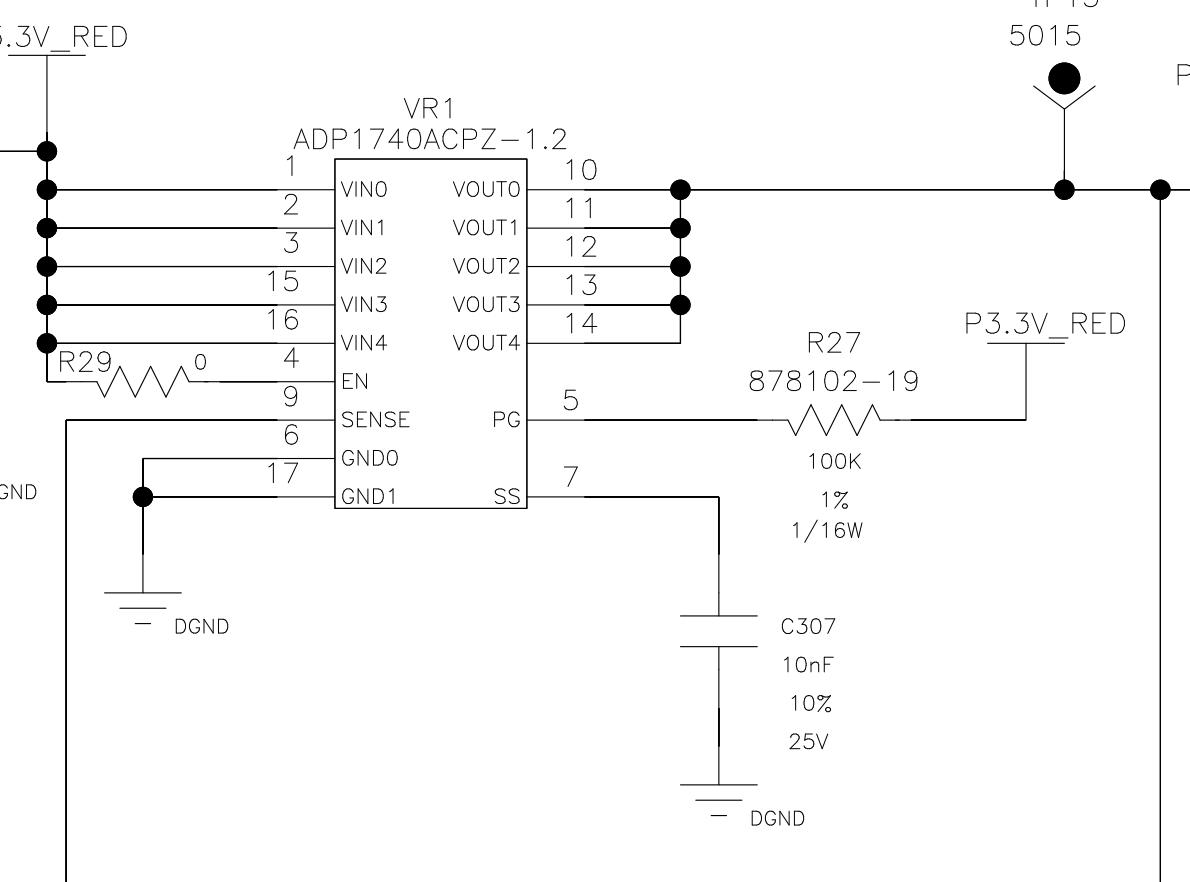
BLK 2.5V REGULATOR



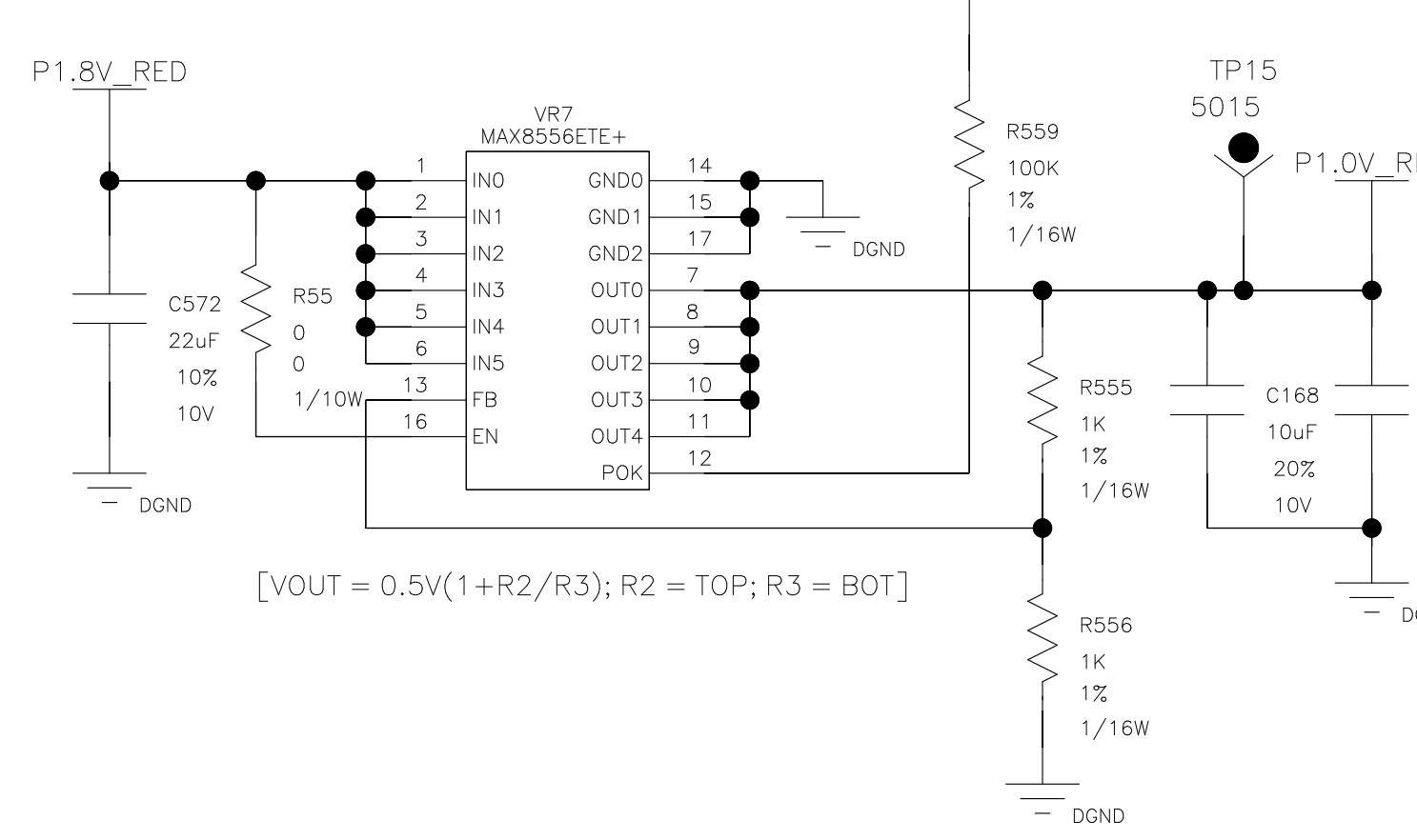
BLK 1.8V REGULATOR



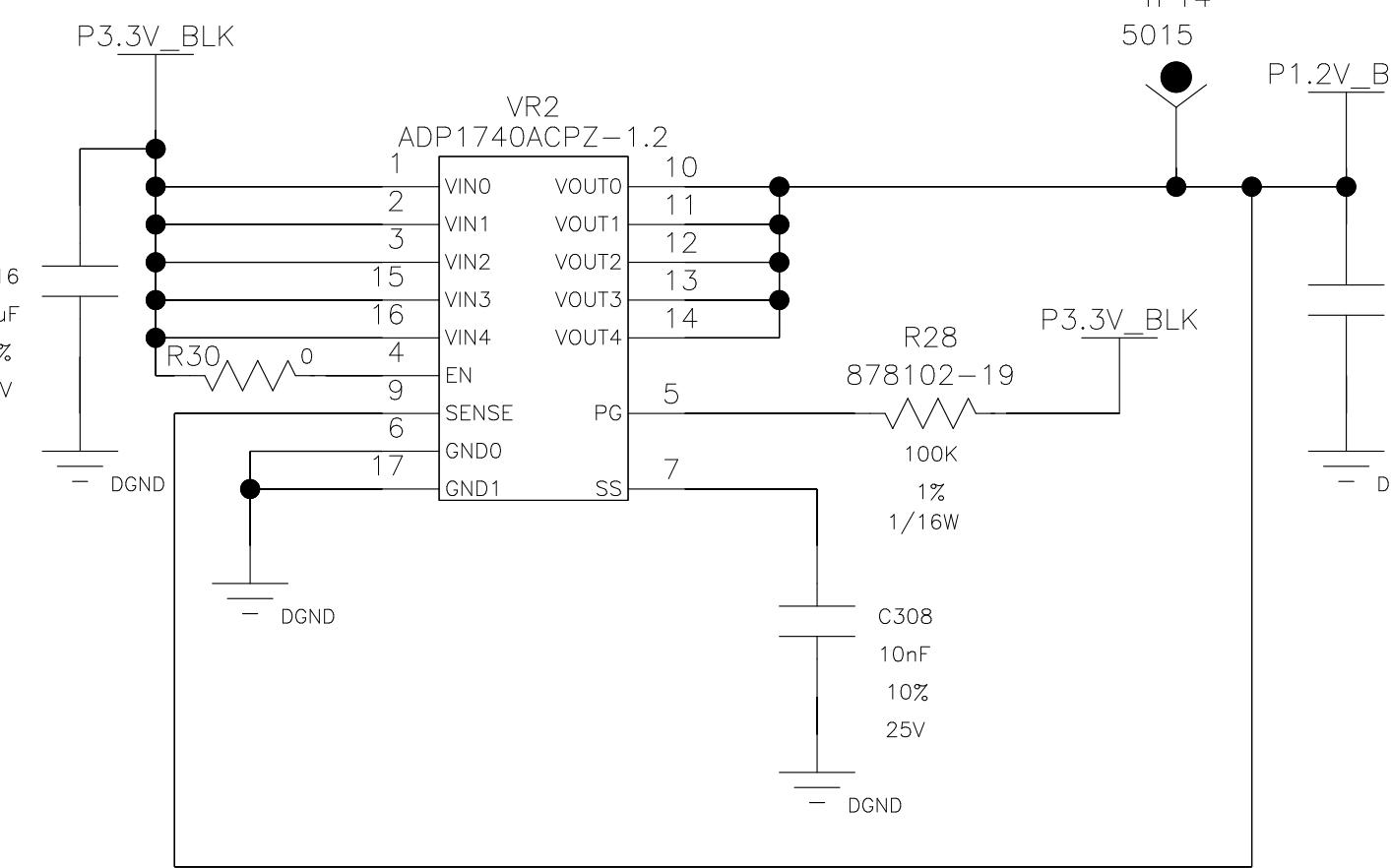
RED 1.2V REGULATOR



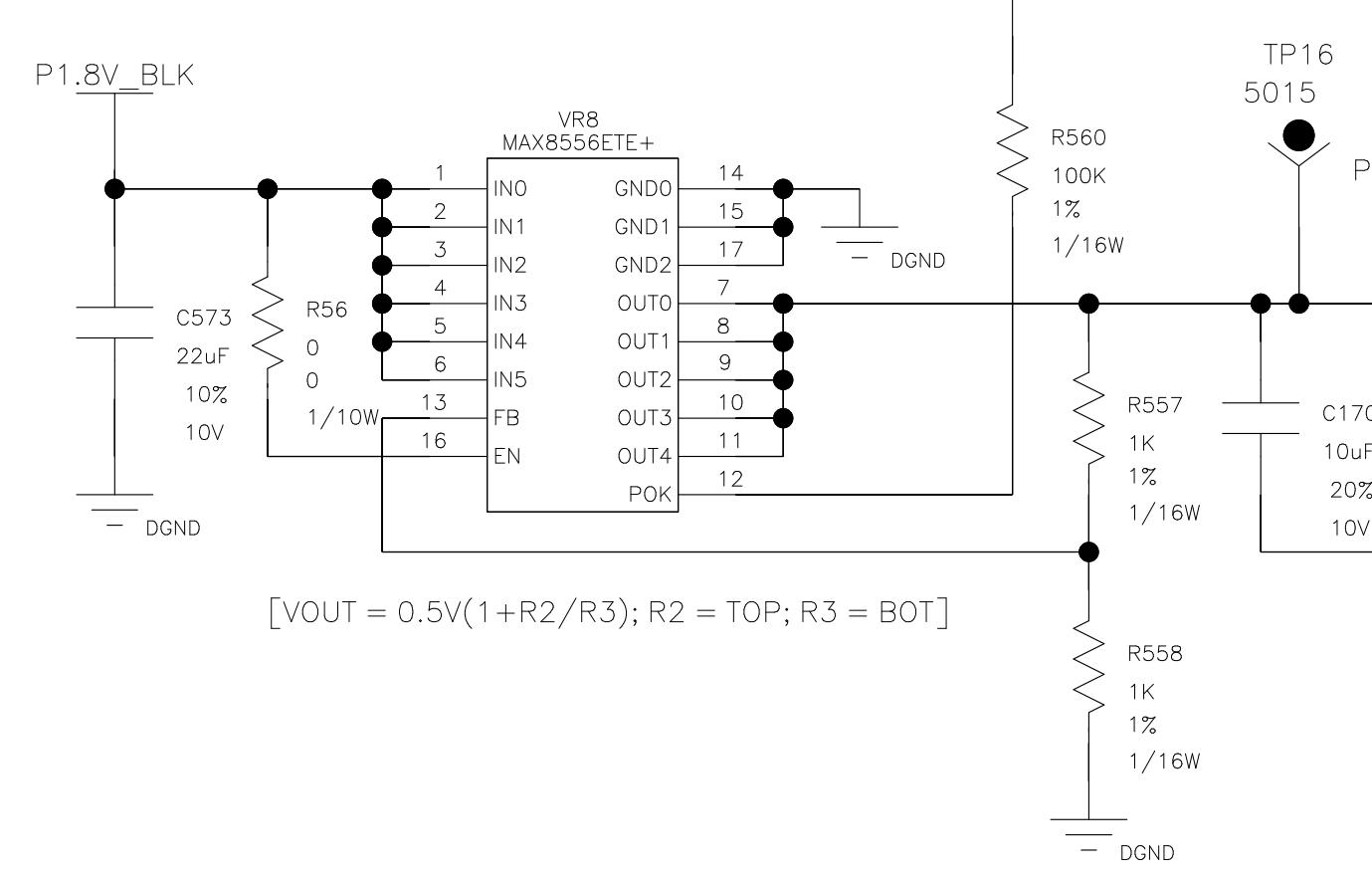
RED 1.0V REGULATOR



BLK 1.2V REGULATOR



BLK 1.0V REGULATOR



POWER DISTR

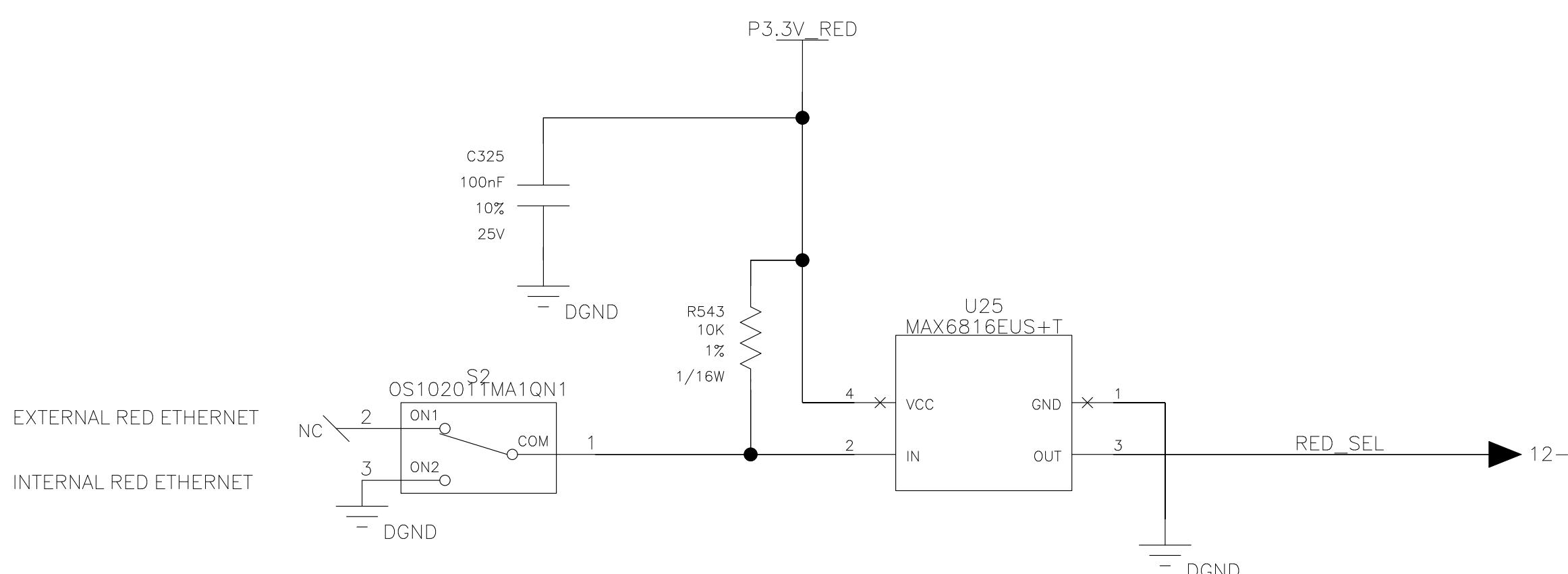
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NORTHROP GRUMMAN PROPRIETARY LEVEL I

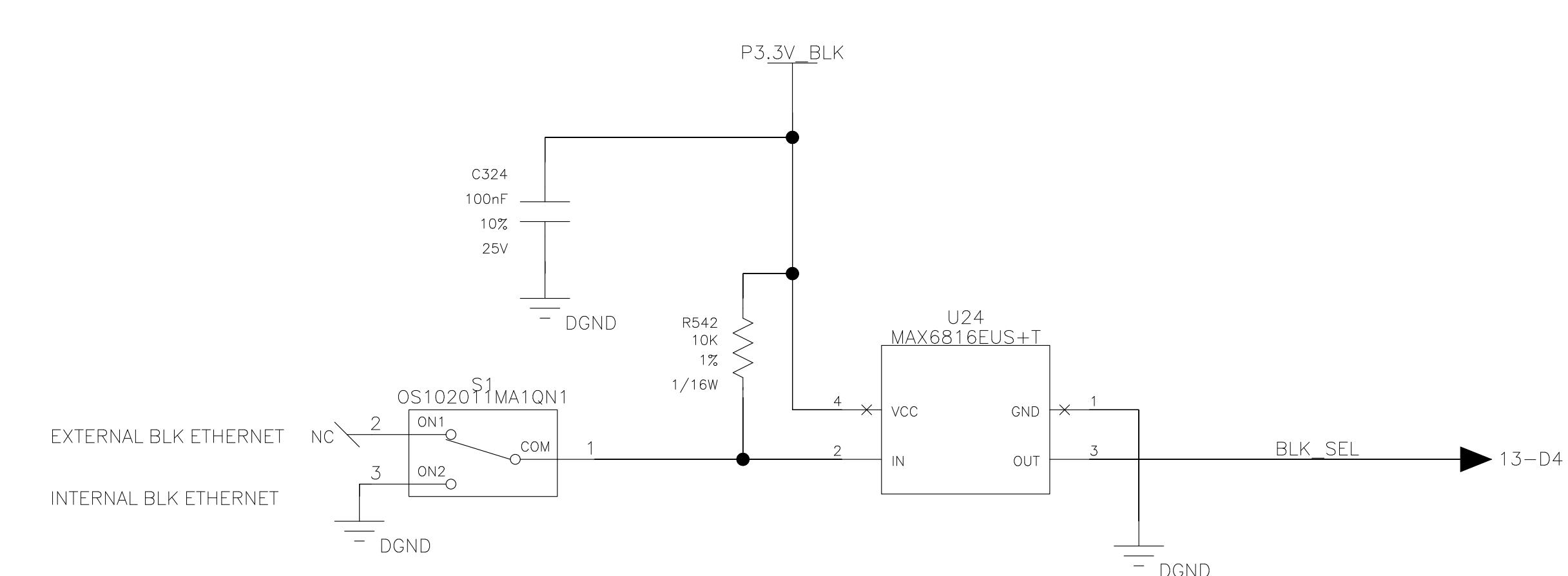
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SCALE NONE			SHEET 14

NORTHROP GRUMMAN PROPRIETARY LEVEL I

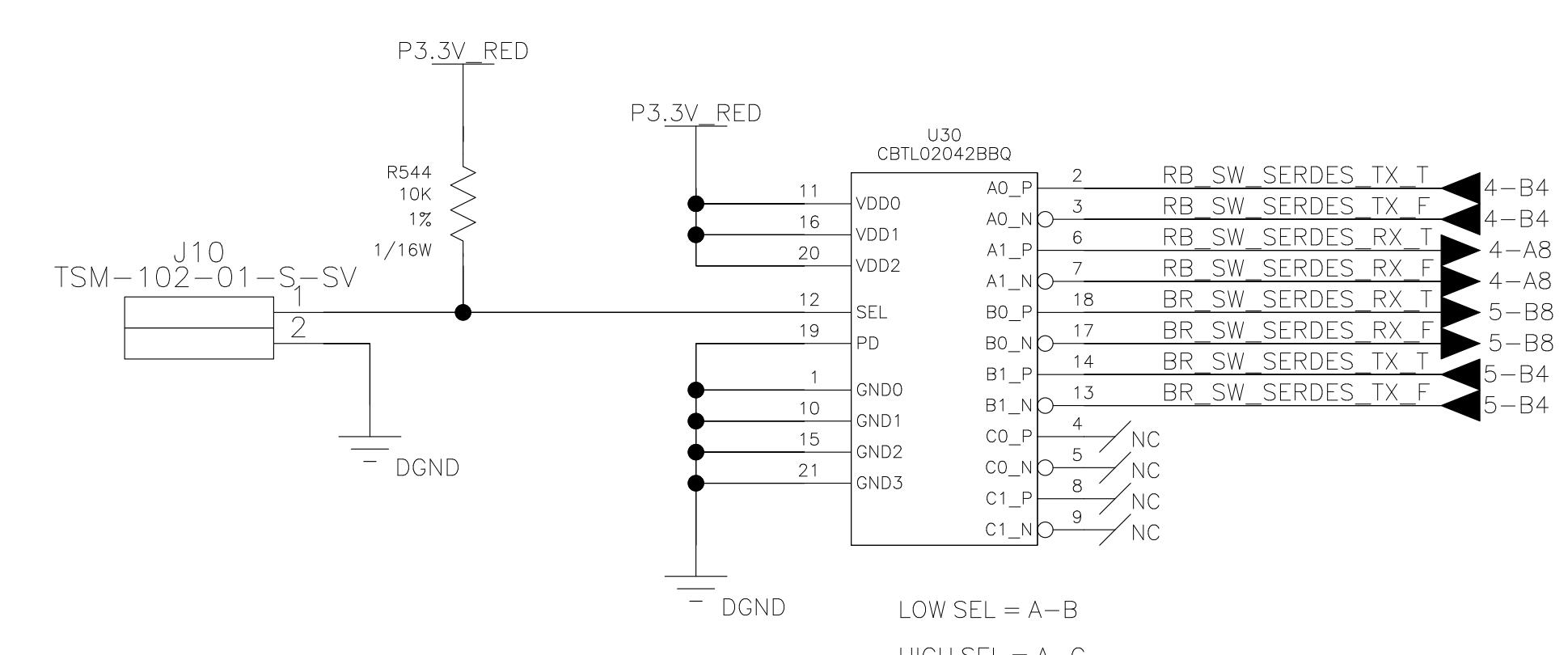
EXTERNAL RED ETHERNET SWITCH



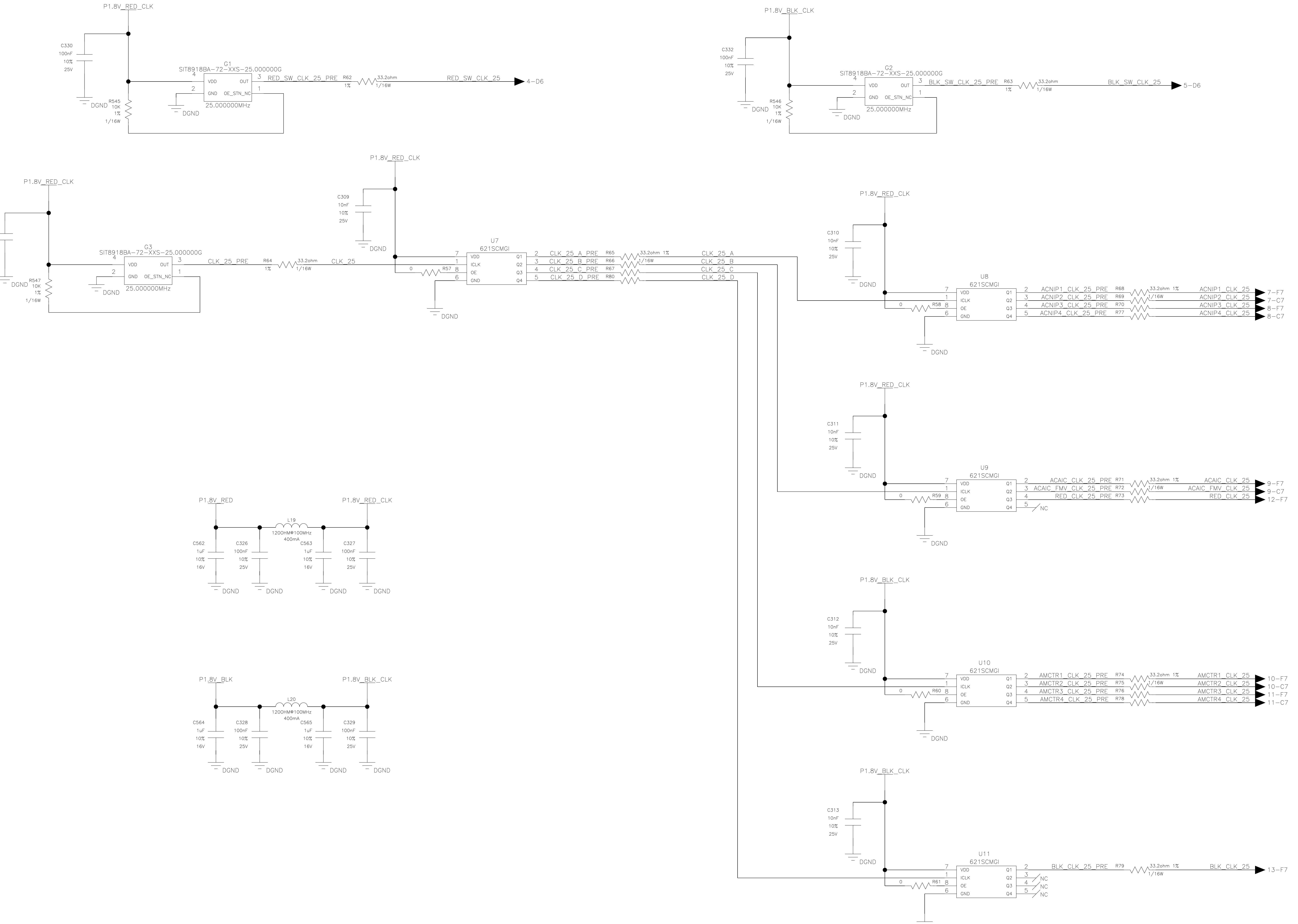
EXTERNAL BLK ETHERNET SWITCH



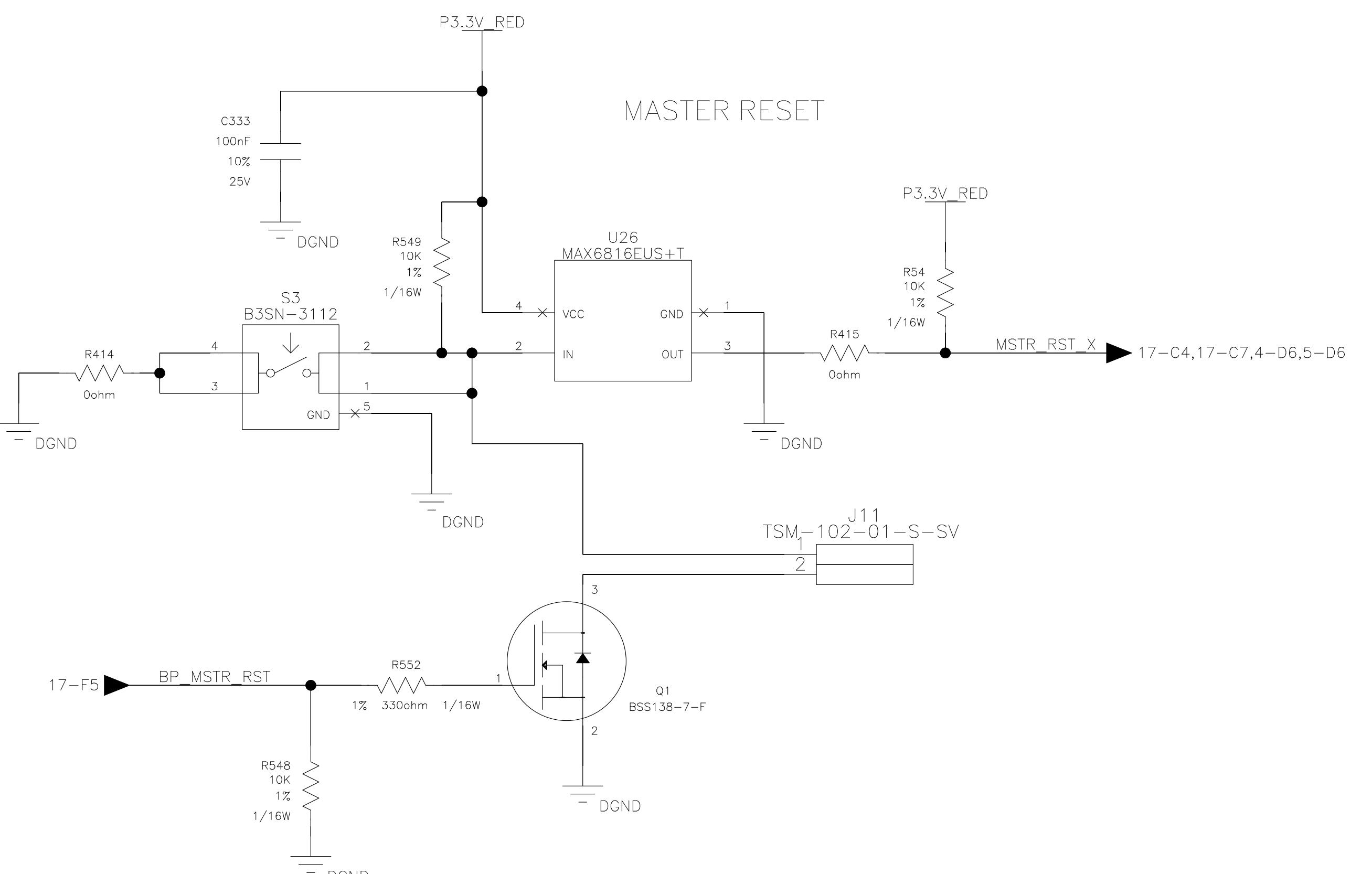
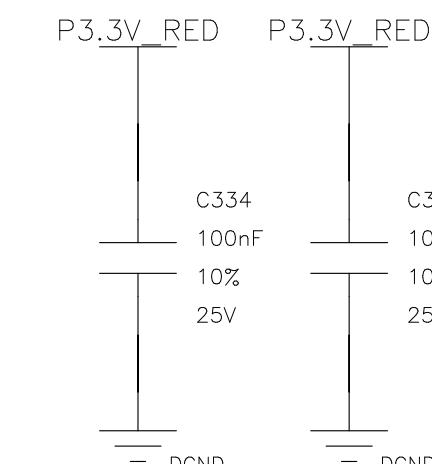
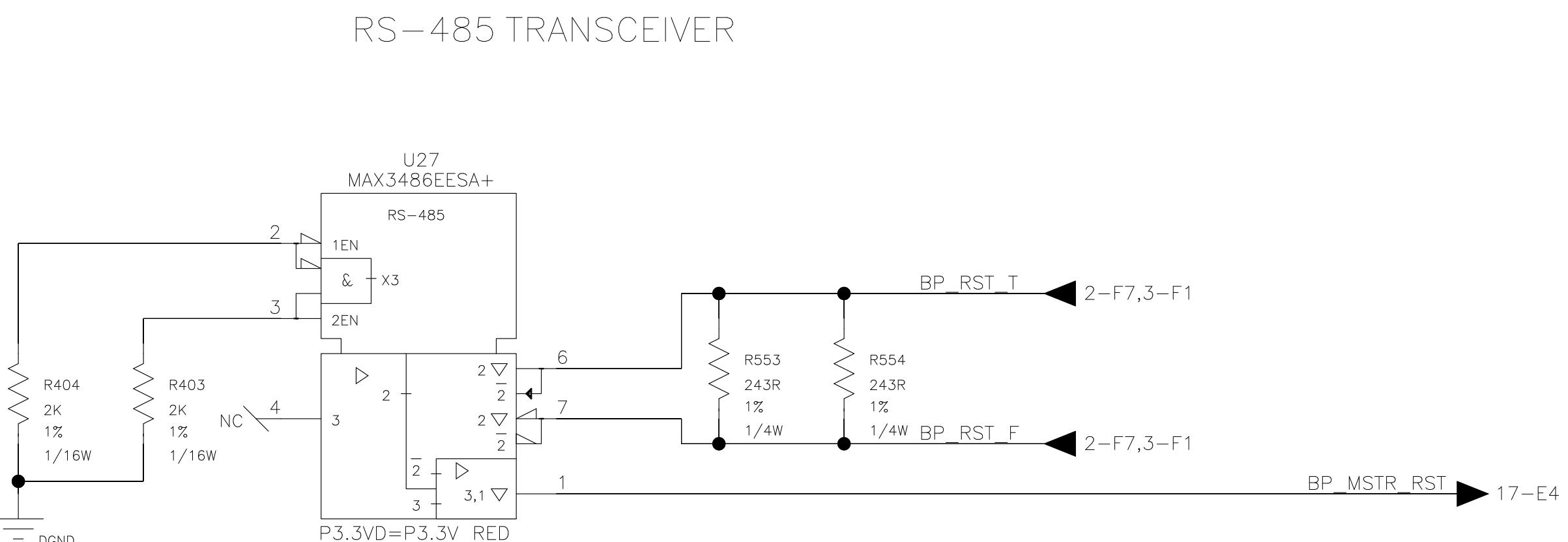
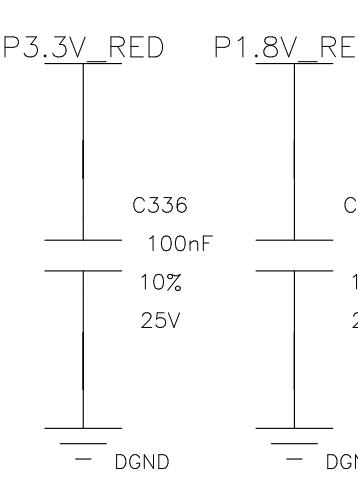
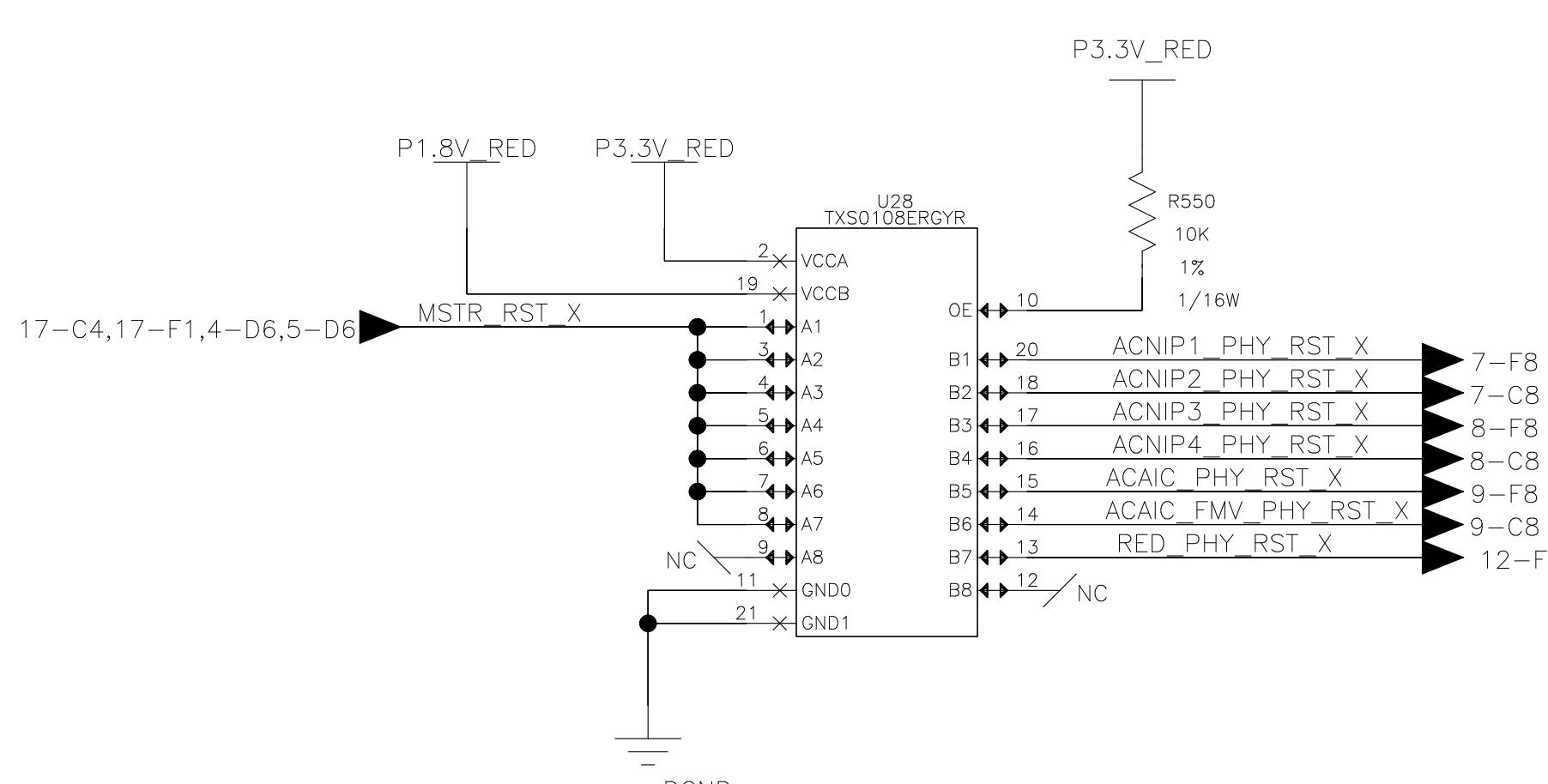
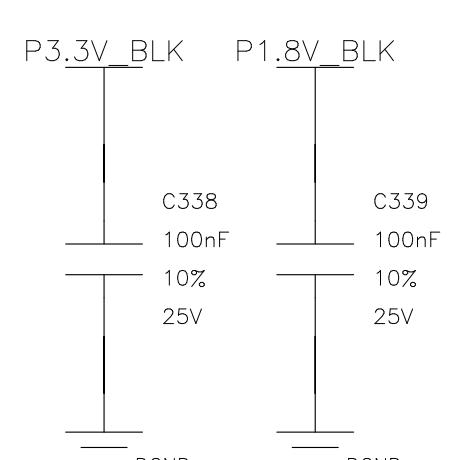
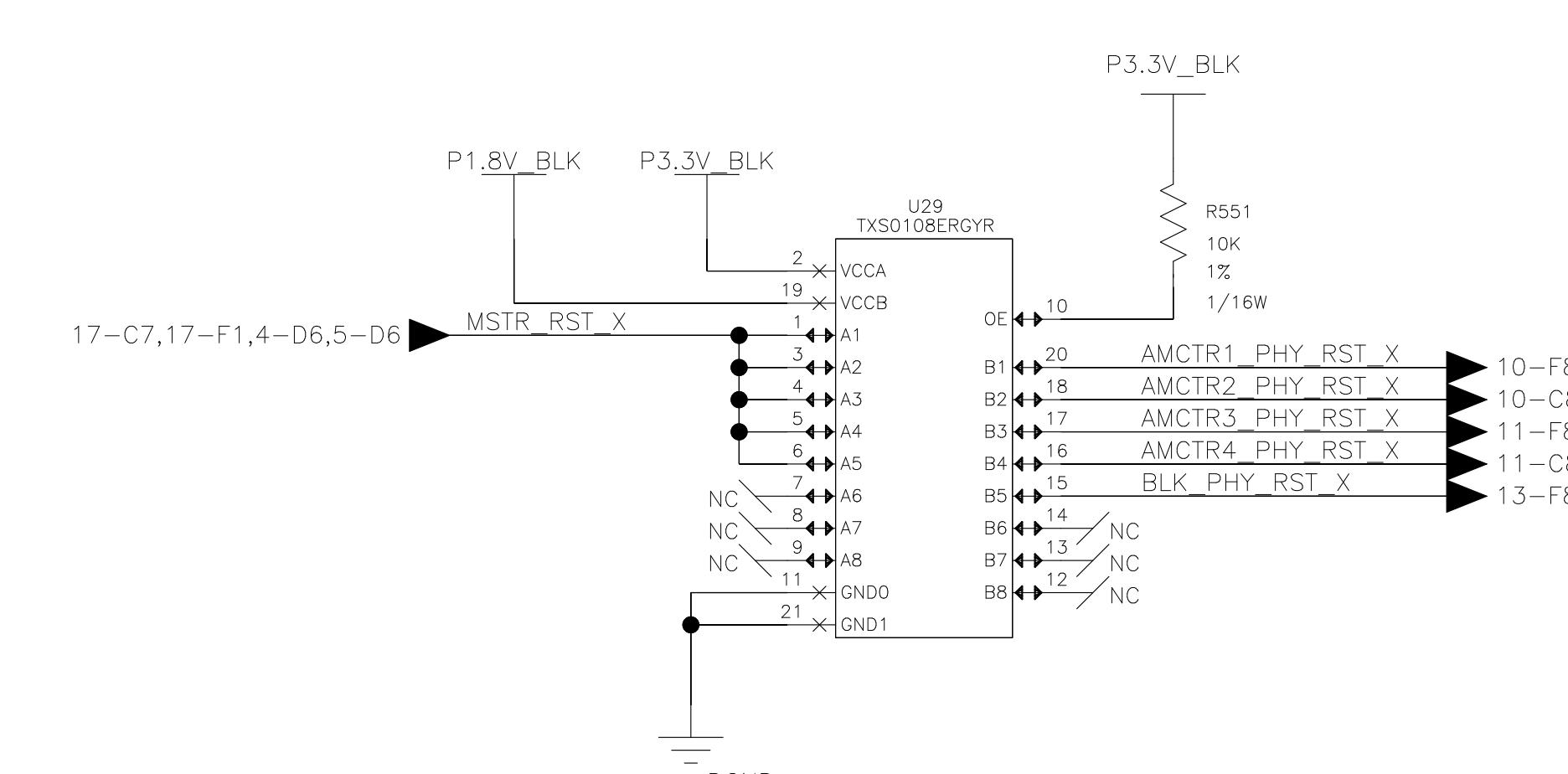
EXTERNAL RED/BLACK JUMPER SWITCH



NORTHROP GRUMMAN PROPRIETARY LEVEL I



NORTHROP GRUMMAN PROPRIETARY LEVEL I

**RED PHYS****3.3V to 1.8V TRANSLATOR****BLK PHYS****3.3V to 1.8V TRANSLATOR**

RESET