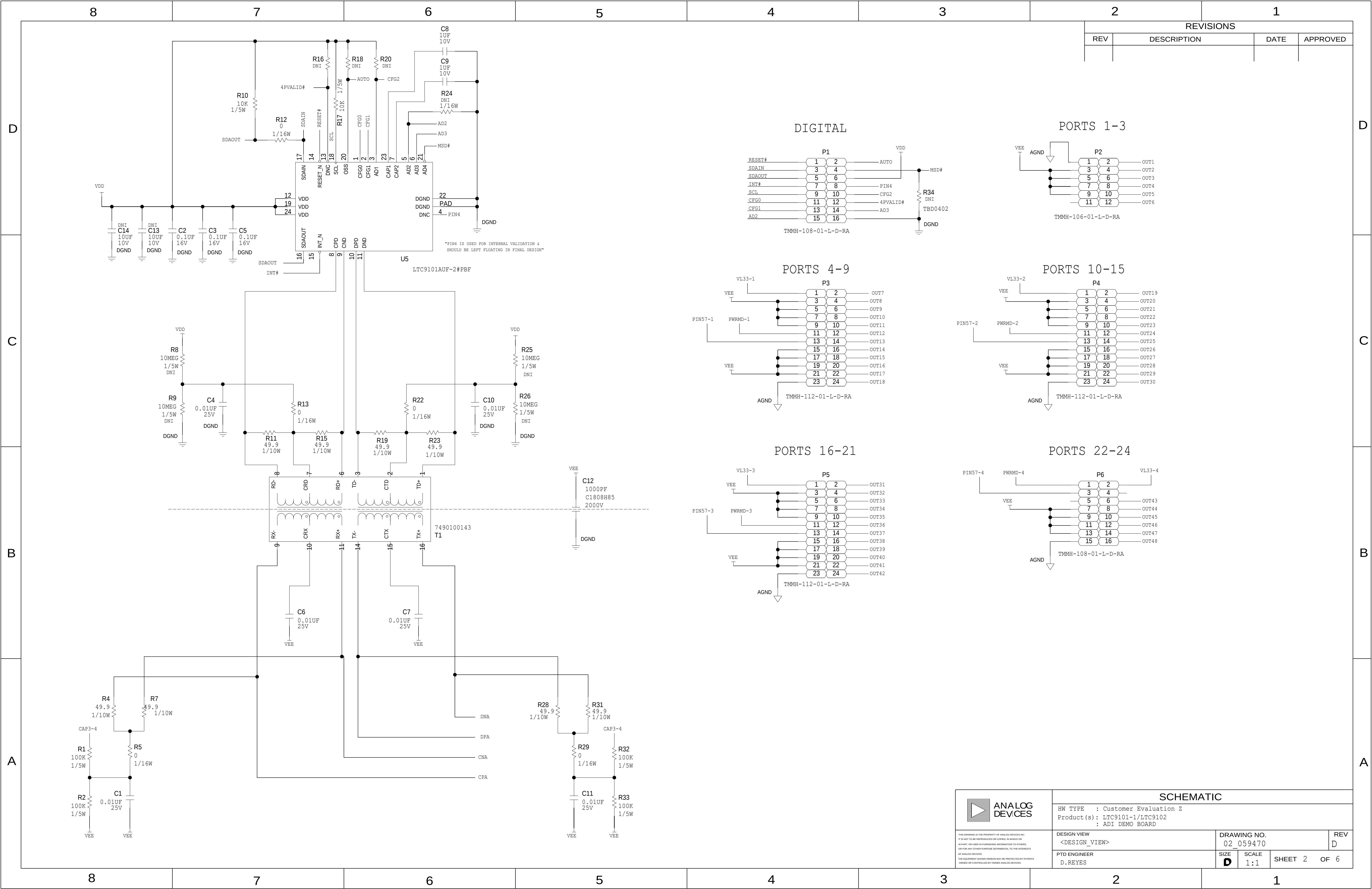
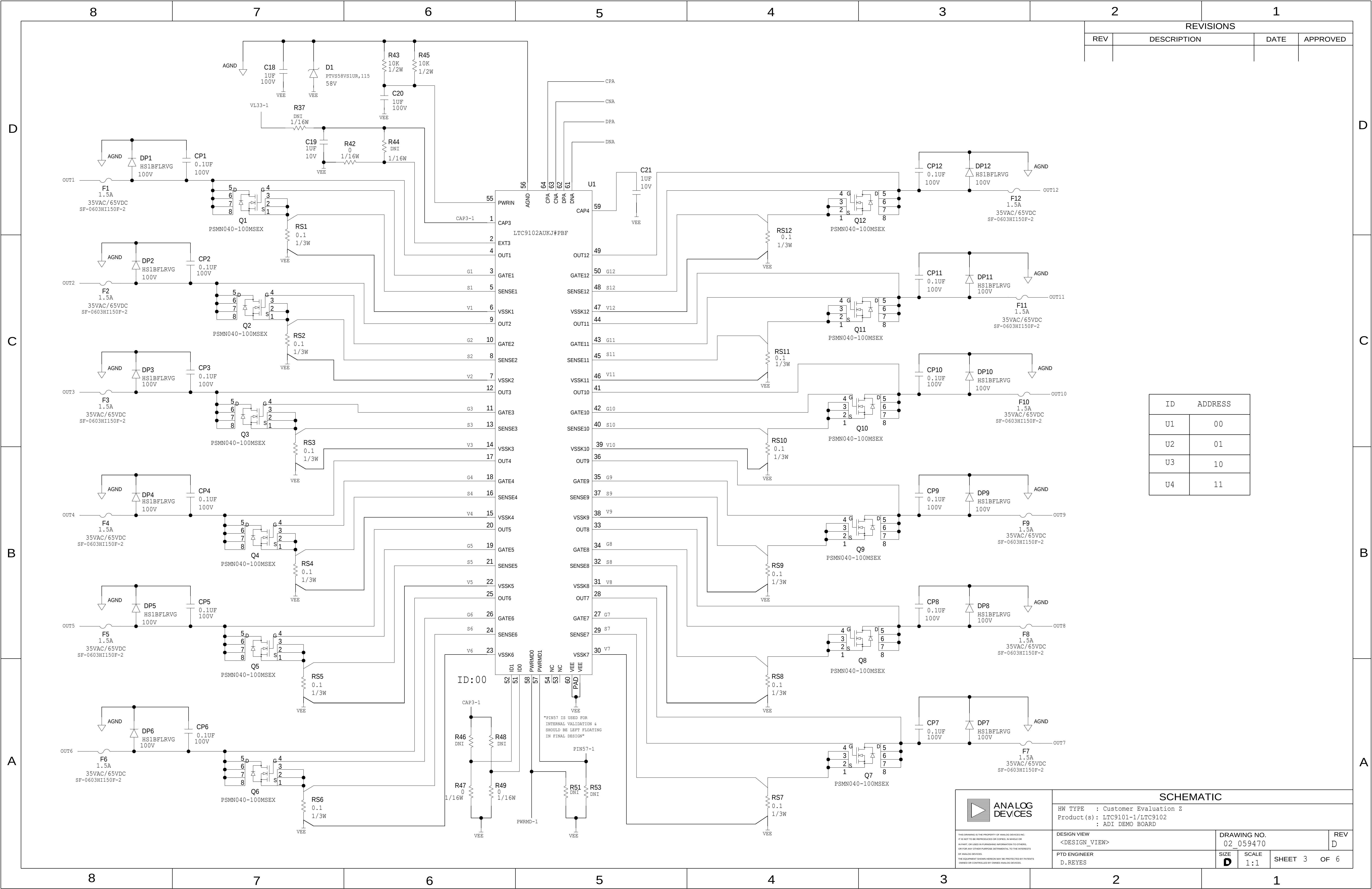
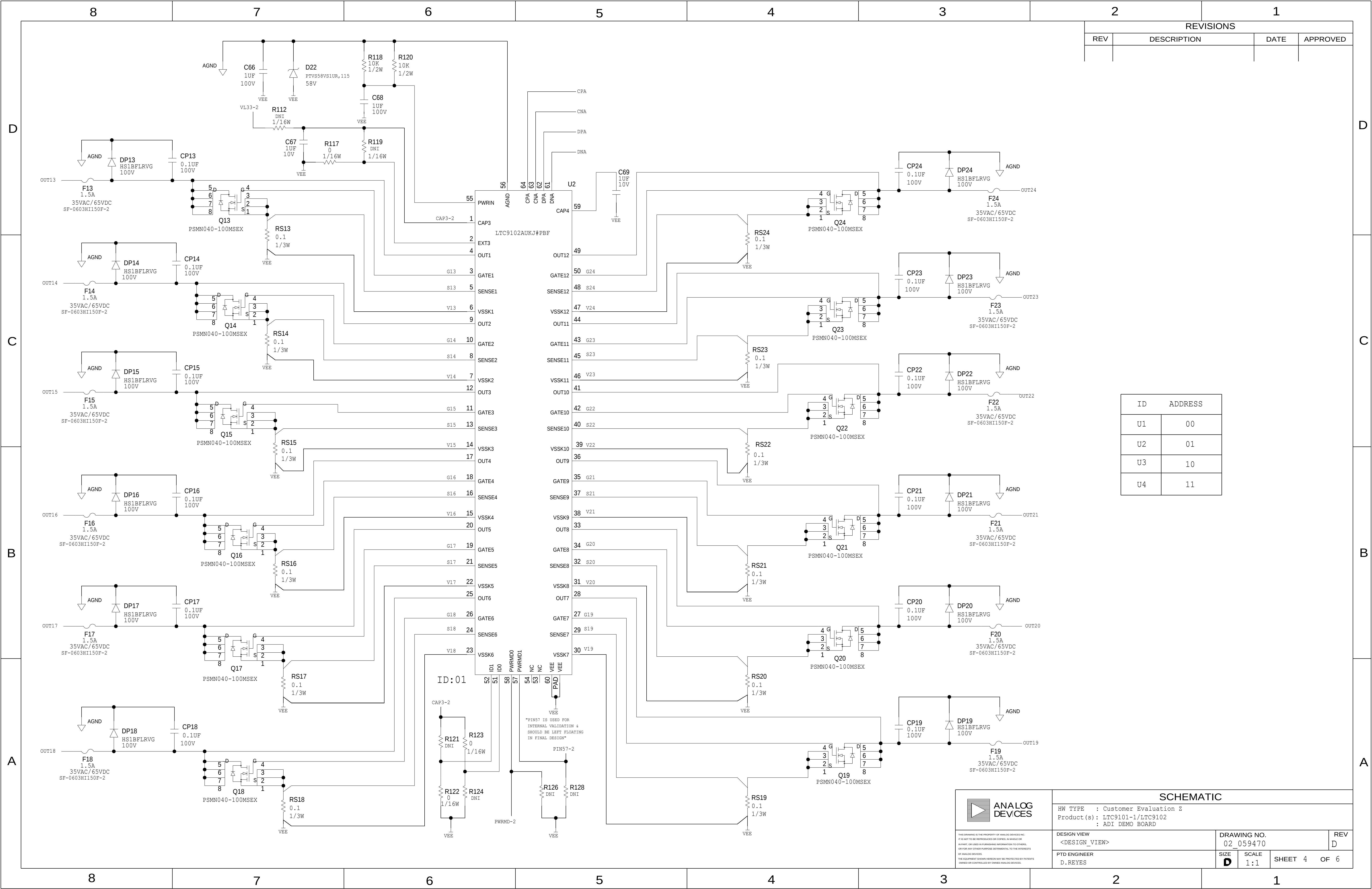


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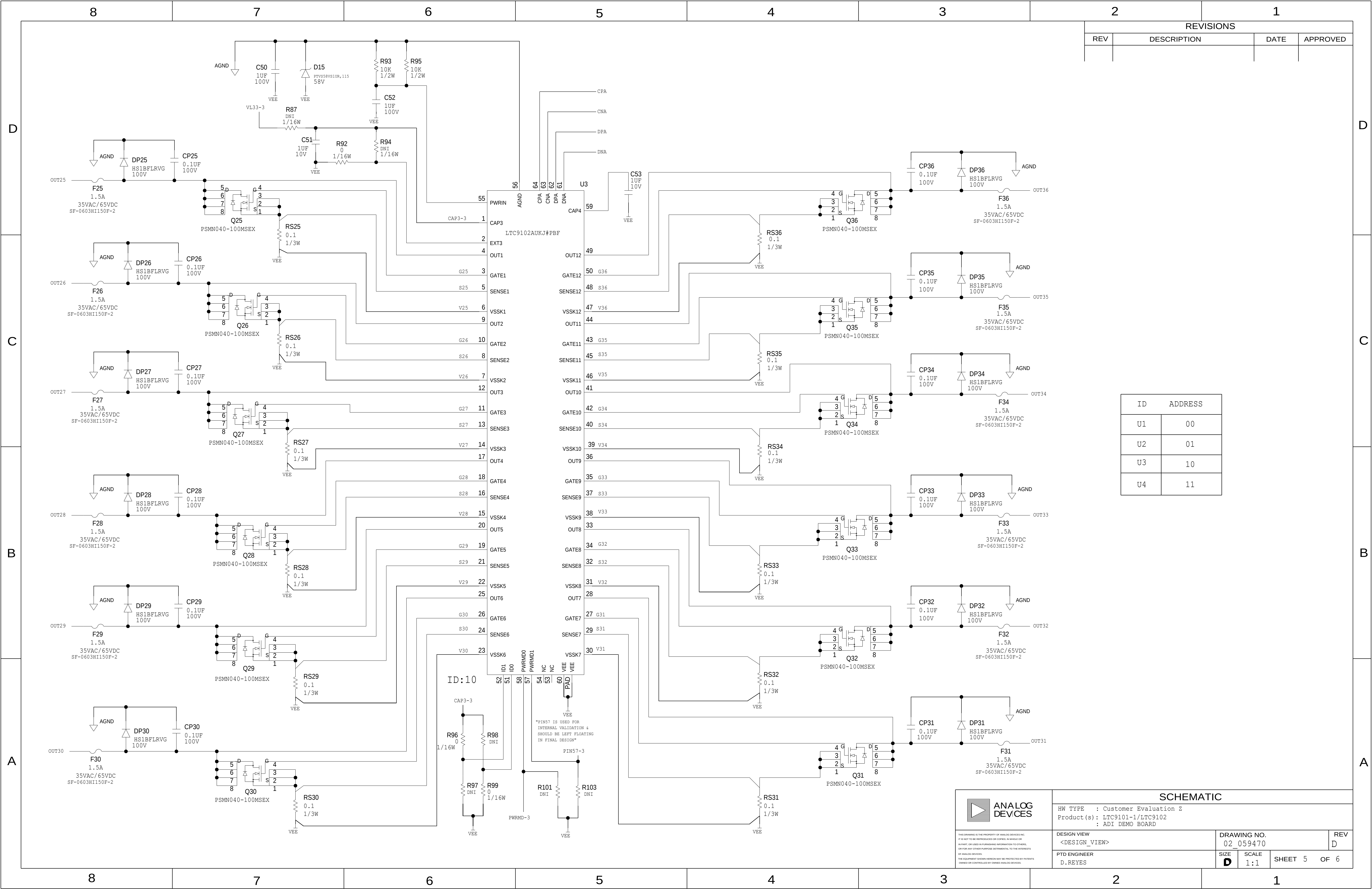




REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

ID	ADDRESS
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U2	01
U3	10
U4	11

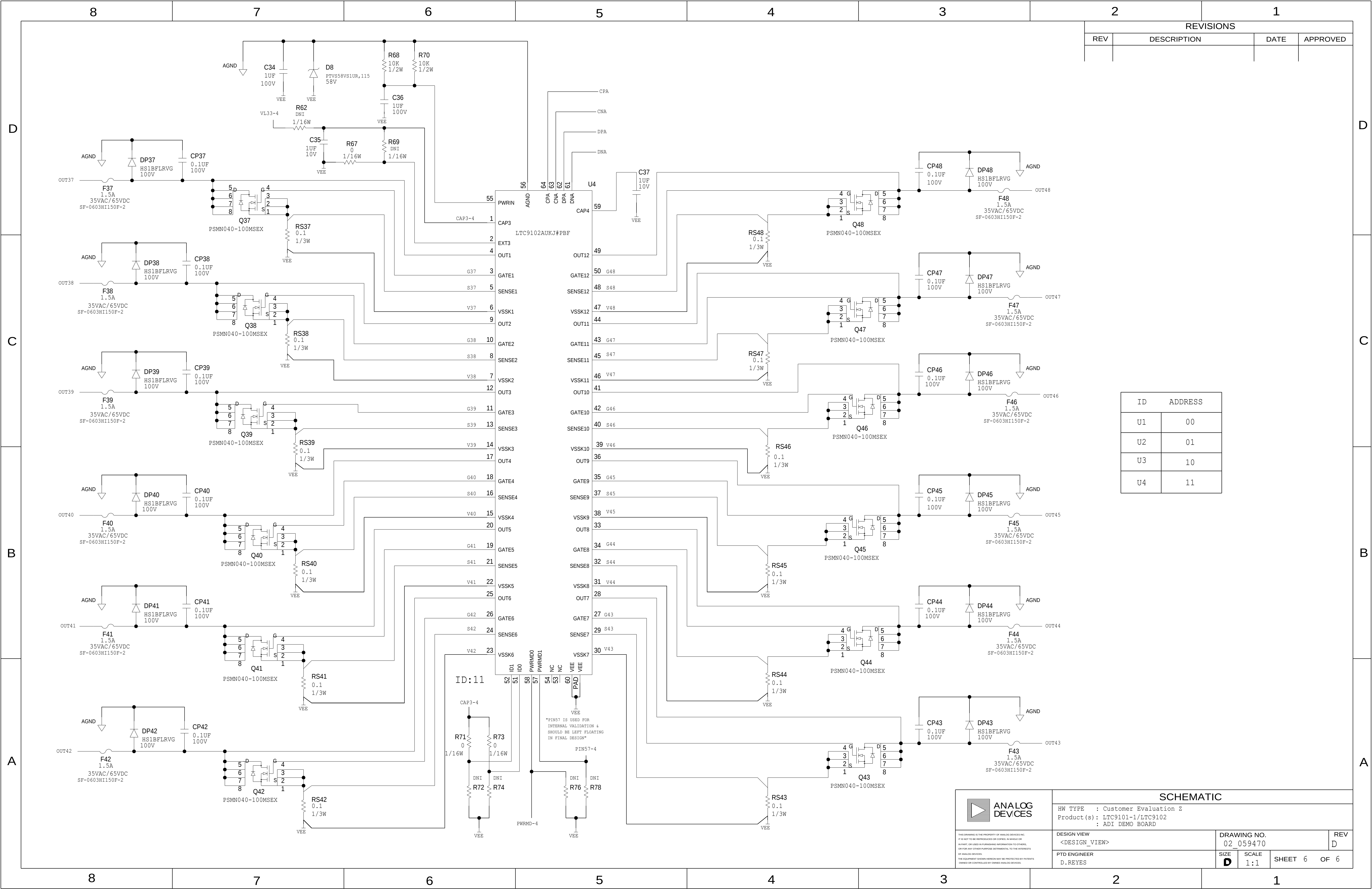
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DESIGN VIEW <DESIGN_VIEW>	DRAWING NO. 02_059470	REV D	
PTD ENGINEER D. REYES	SIZE D	SCALE 1:1	SHEET 4 OF 6



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

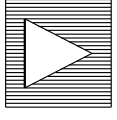
ID	ADDRESS
U1	00
U2	01
U3	10
U4	11

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DESIGN VIEW <DESIGN_VIEW>	DRAWING NO. 02_059470	REV D	
PTD ENGINEER D. REYES	SIZE D	SCALE 1:1	SHEET 5 OF 6



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

ID	ADDRESS
U1	00
U2	01
U3	10
U4	11

**ANALOG
DEVICES**

SCHEMATIC
HW TYPE : Customer Evaluation Z
Product(s) : LTC9101-1/LTC9102
: ADI DEMO BOARD

DESIGN VIEW
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PTD ENGINEER
D. REYES

DRAWING NO.
02_059470

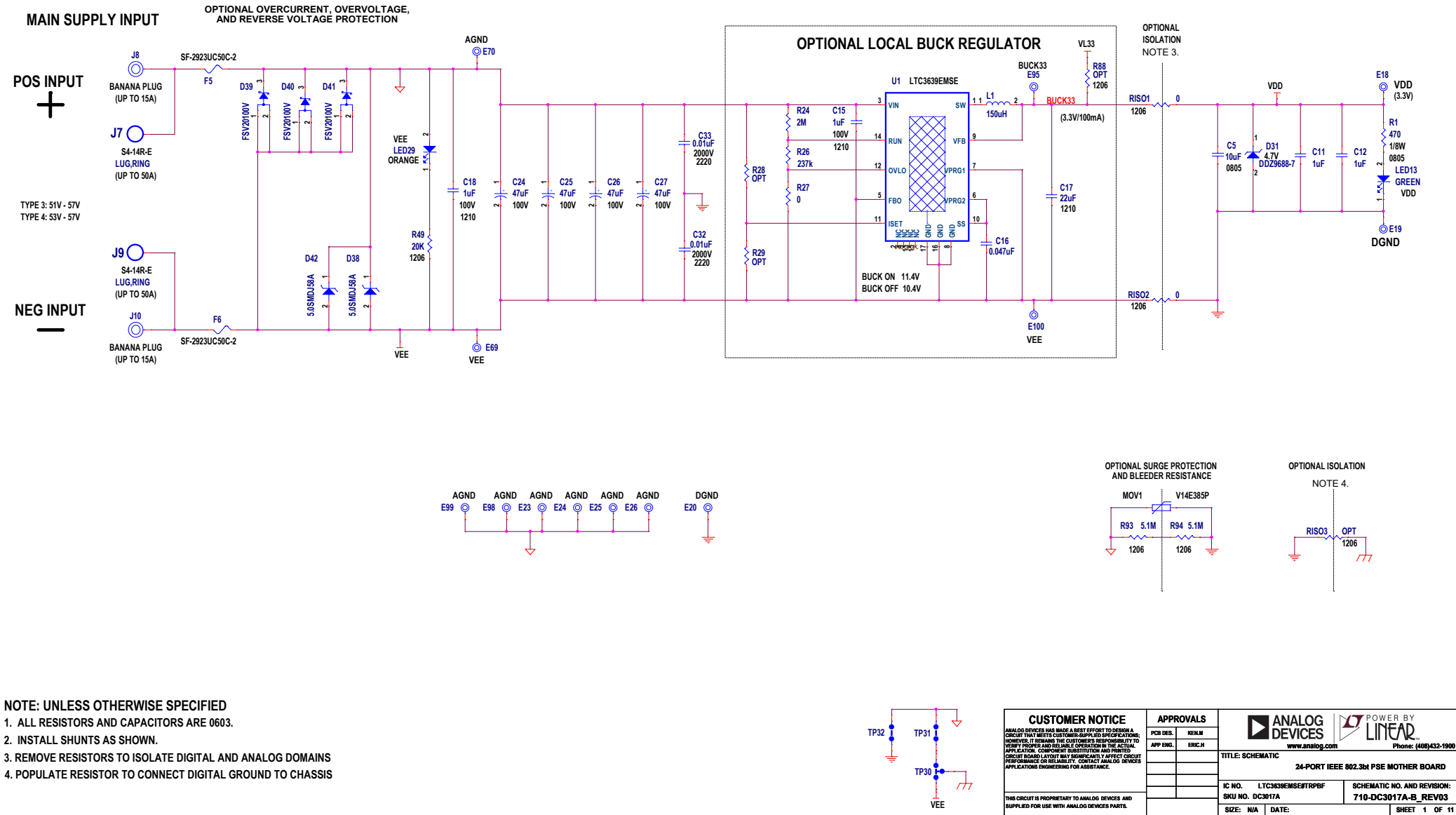
SCALE
1:1

SHEET 6 OF 6

REV
D

POWER SUPPLY

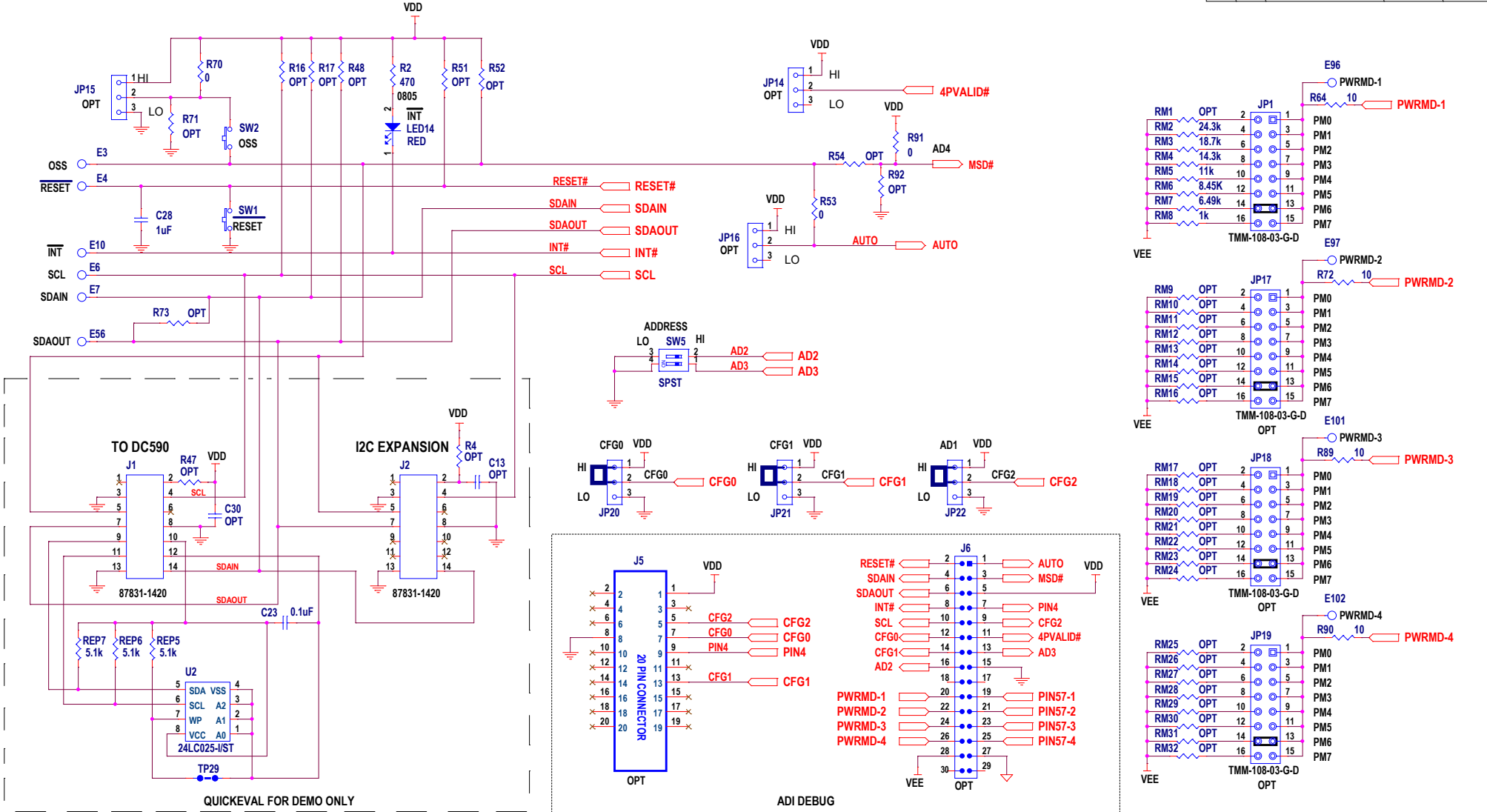
REVISION HISTORY				
ECO	REV	DESCRIPTION	APPROVED	DATE
	3			



CUSTOMER NOTICE		APPROVALS		 POWER BY ANALOG DEVICES		 LINEAR	
ANALOG DEVICES HAS MADE A BEST EFFORT TO DESIGN A CIRCUIT THAT MEETS CUSTOMER-SUPPLIED SPECIFICATIONS. HOWEVER, IT REMAINS THE CUSTOMER'S RESPONSIBILITY TO VERIFY PROPER AND RELIABLE OPERATION IN THE ACTUAL APPLICATION. COMPONENT SUBSTITUTION MAY AFFECT CIRCUIT PERFORMANCE OR RELIABILITY. CONTACT ANALOG DEVICES APPLICATIONS ENGINEERING FOR ASSISTANCE.				PCB DES.	HELM	www.analog.com	
				APP ENG.	SRCH	Phone: (408)432-1900	
				TITLE: SCHEMATIC			
				24-PORT IEEE 802.3ah PSE MOTHER BOARD			
THIS CIRCUIT IS PROPRIETARY TO ANALOG DEVICES AND SUPPLIED FOR USE WITH ANALOG DEVICES PARTS.				IC NO.		SCHEMATIC NO. AND REVISION:	
				LTC3639EMSE#TRPBF		710-DC3017A-B_REV03	
				SKU NO. DC3017A			
				SIZE: N/A		DATE:	
						SHEET 1 OF 11	

CONFIGURATIONS

REVISION HISTORY				
ECO	REV	DESCRIPTION	APPROVED	DATE
	3			



NOTE: UNLESS OTHERWISE SPECIFIED
1. ALL RESISTORS AND CAPACITORS ARE 0603.
2. INSTALL SHUNTS AS SHOWN.

CUSTOMER NOTICE

ANALOG DEVICES HAS MADE A BEST EFFORT TO DESIGN A CIRCUIT THAT MEETS CUSTOMER-SUPPLIED SPECIFICATIONS; HOWEVER, IT REMAINS THE CUSTOMER'S RESPONSIBILITY TO VERIFY PROPER AND RELIABLE OPERATION IN THE ACTUAL APPLICATION. COMPONENT SUBSTITUTION AND PRINTED CIRCUIT BOARD LAYOUT MAY SIGNIFICANTLY AFFECT CIRCUIT PERFORMANCE OR RELIABILITY. CONTACT ANALOG DEVICES APPLICATIONS ENGINEERING FOR ASSISTANCE.

THIS CIRCUIT IS PROPRIETARY TO ANALOG DEVICES AND SUPPLIED FOR USE WITH ANALOG DEVICES PARTS.

APPROVALS

PCB DES.	KEN.M
APP ENG.	ERIC.H

ANALOG DEVICES

www.analog.com

POWER BY LINEAR

Phone: (408)432-1900

TITLE: SCHEMATIC

24-PORT IEEE 802.3bt PSE MOTHER BOARD

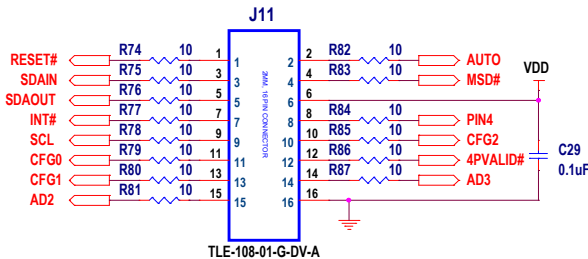
IC NO.	LTC3639SEMSE/ITRPF	SCHEMATIC NO. AND REVISION:
SKU NO.	DC3017A	710-DC3017A-B_REV03

SIZE:	N/A	DATE:		SHEET	2 OF 11
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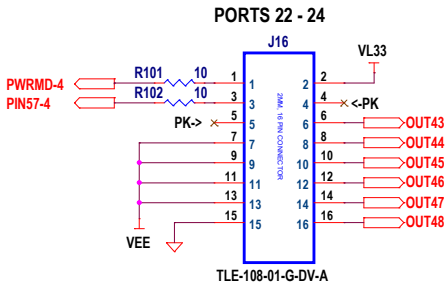
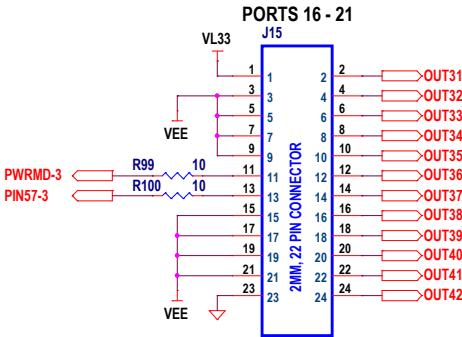
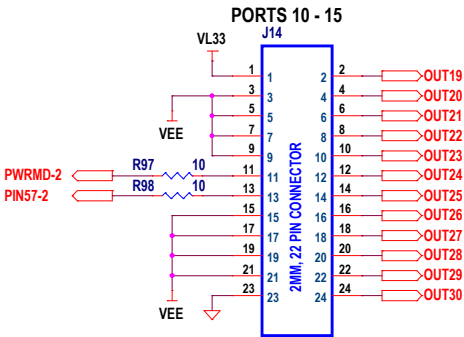
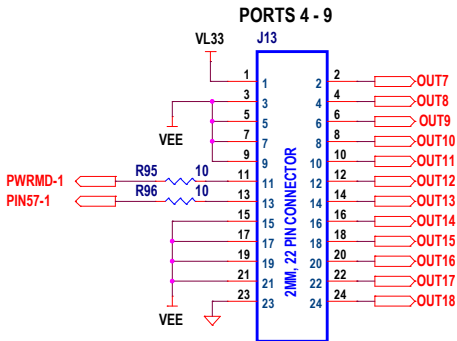
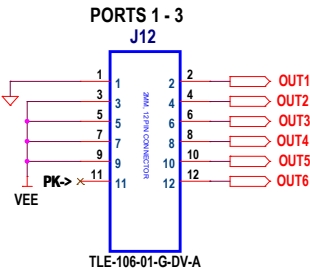
DAUGHTER CARD CONNECTIONS

REVISION HISTORY				
ECO	REV	DESCRIPTION	APPROVED	DATE
	3			

DIGITAL CONNECTIONS



ANALOG CONNECTIONS

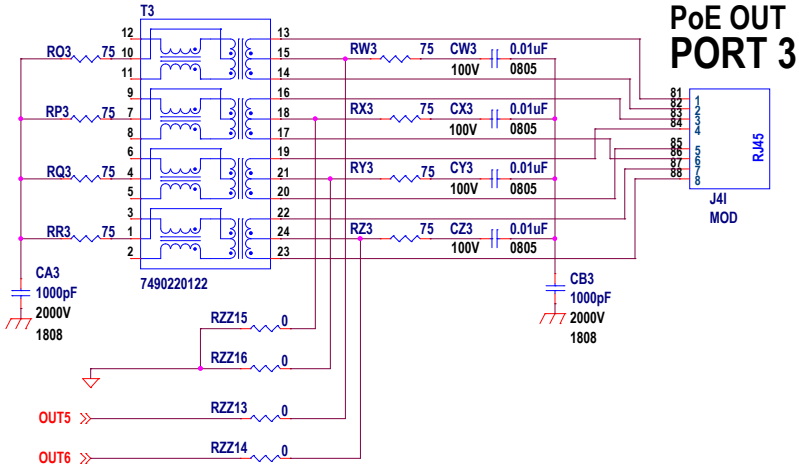
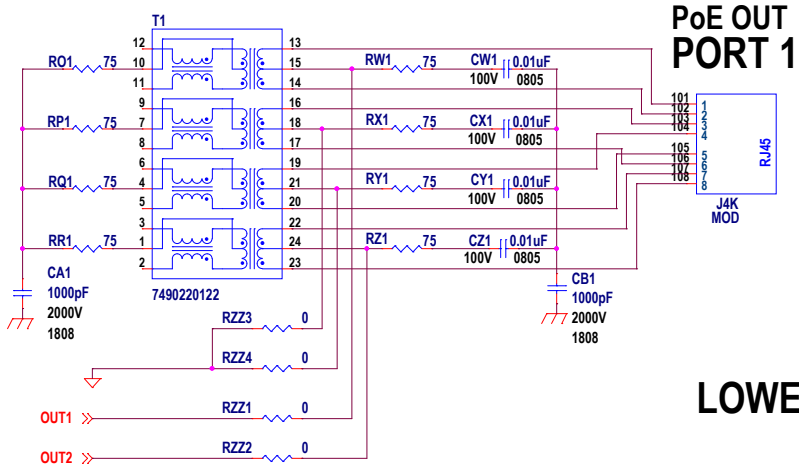
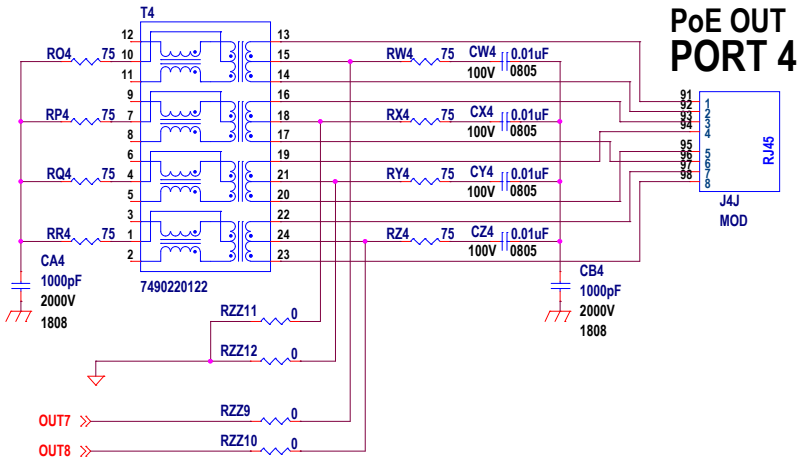
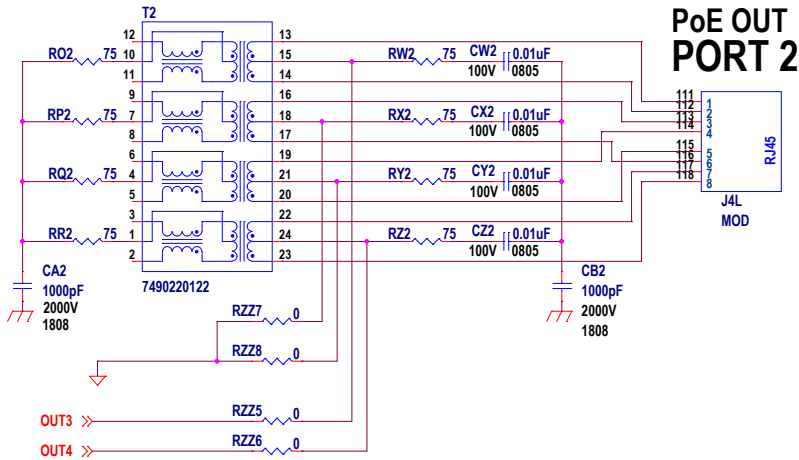


NOTE: UNLESS OTHERWISE SPECIFIED
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2. INSTALL SHUNTS AS SHOWN.

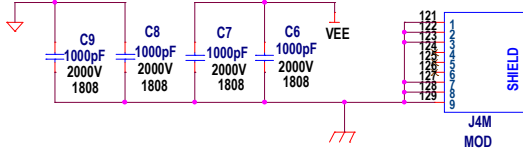
CUSTOMER NOTICE		APPROVALS		ANALOG DEVICES		POWER BY LINEAR	
ANALOG DEVICES HAS MADE A BEST EFFORT TO DESIGN A CIRCUIT THAT MEETS CUSTOMER-SUPPLIED SPECIFICATIONS. HOWEVER, IT REMAINS THE CUSTOMER'S RESPONSIBILITY TO VERIFY PROPER AND RELIABLE OPERATION IN THE ACTUAL APPLICATION. COMPONENT SUBSTITUTION AND PRINTED CIRCUIT BOARD LAYOUT MAY SIGNIFICANTLY AFFECT CIRCUIT PERFORMANCE OR RELIABILITY. CONTACT ANALOG DEVICES APPLICATIONS ENGINEERING FOR ASSISTANCE.		PCB DES.	KEN.M	TITLE: SCHEMATIC 24-PORT IEEE 802.3bt PSE MOTHER BOARD		www.analog.com Phone: (408)432-1900	
		APP ENG.	ERIC.H				
THIS CIRCUIT IS PROPRIETARY TO ANALOG DEVICES AND SUPPLIED FOR USE WITH ANALOG DEVICES PARTS.		IC NO. LTC3639EMSE#TRPBF		SCHEMATIC NO. AND REVISION:		SHEET 3 OF 11	
		SKU NO. DC3017A		710-DC3017A-B_REV03			
		SIZE: N/A		DATE:			

UPPER ROW

REVISION HISTORY				
ECO	REV	DESCRIPTION	APPROVED	DATE
	3			



LOWER ROW

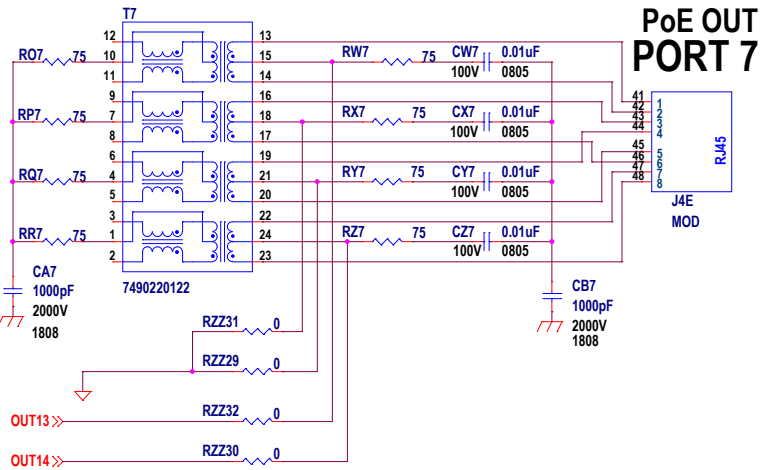
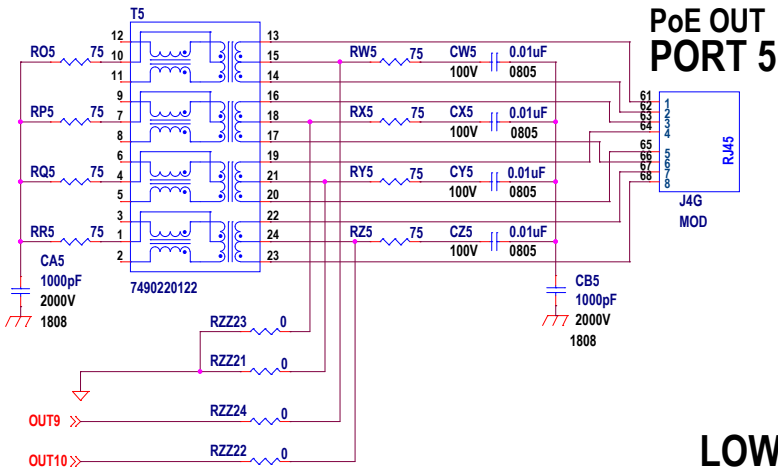
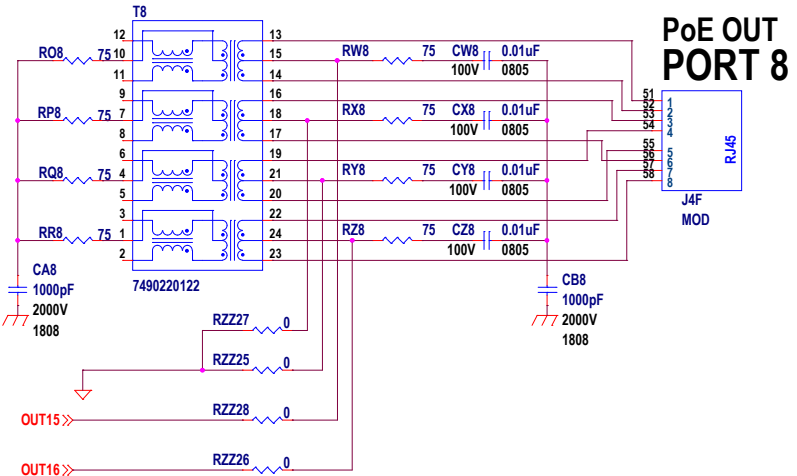
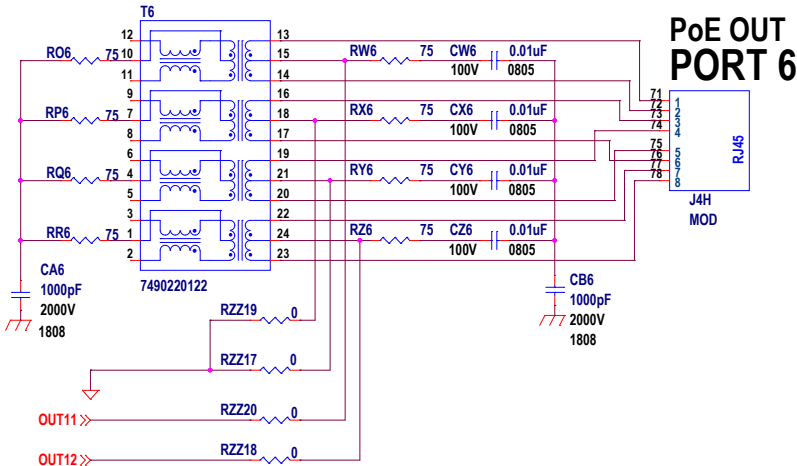


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CUSTOMER NOTICE		APPROVALS		ANALOG DEVICES		POWER BY LINEAR	
ANALOG DEVICES HAS MADE A BEST EFFORT TO DESIGN A CIRCUIT THAT MEETS CUSTOMER-SUPPLIED SPECIFICATIONS; HOWEVER, IT REMAINS THE CUSTOMER'S RESPONSIBILITY TO VERIFY PROPER AND RELIABLE OPERATION IN THE ACTUAL APPLICATION. COMPONENT SUBSTITUTION AND PRINTED CIRCUIT BOARD LAYOUT MAY SIGNIFICANTLY AFFECT CIRCUIT PERFORMANCE OR RELIABILITY. CONTACT ANALOG DEVICES APPLICATIONS ENGINEERING FOR ASSISTANCE.		PCB DES.	KEN.M	www.analog.com		Phone: (408)432-1900	
		APP ENG.	ERIC.H	TITLE: SCHEMATIC		24-PORT IEEE 802.3bt PSE MOTHER BOARD	
				IC NO. LTC3639EMSE#TRPBF		SCHEMATIC NO. AND REVISION:	
				SKU NO. DC3017A		710-DC3017A-B_REV03	
THIS CIRCUIT IS PROPRIETARY TO ANALOG DEVICES AND SUPPLIED FOR USE WITH ANALOG DEVICES PARTS.		SIZE: N/A		DATE:		SHEET 4 OF 11	

UPPER ROW

REVISION HISTORY				
ECO	REV	DESCRIPTION	APPROVED	DATE
	3			



LOWER ROW

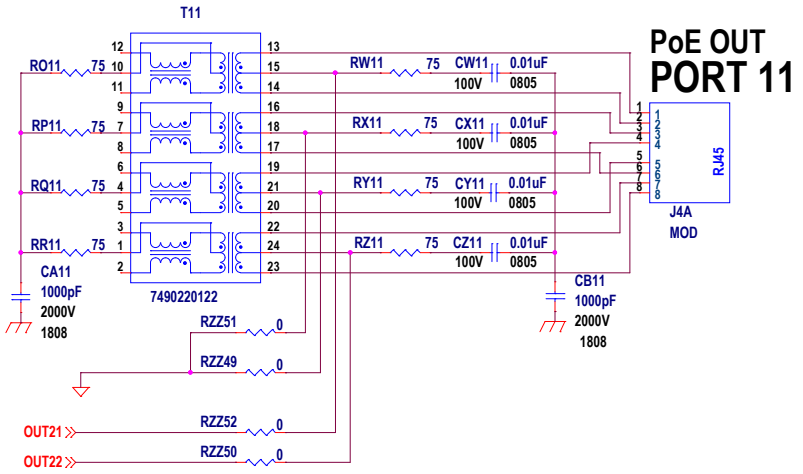
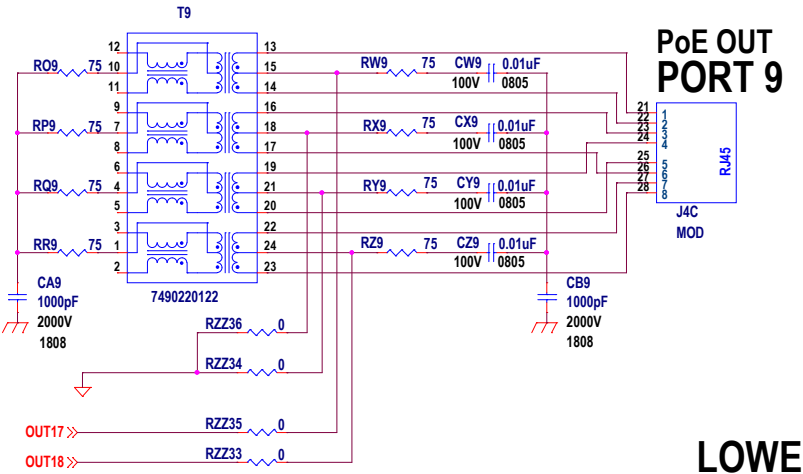
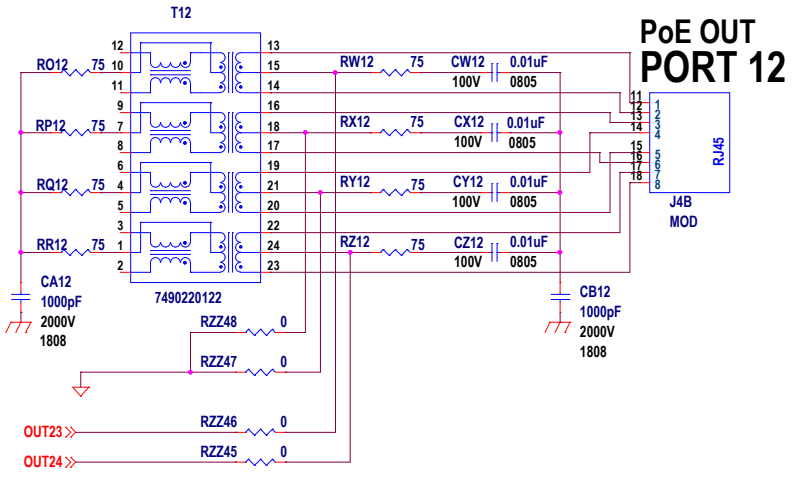
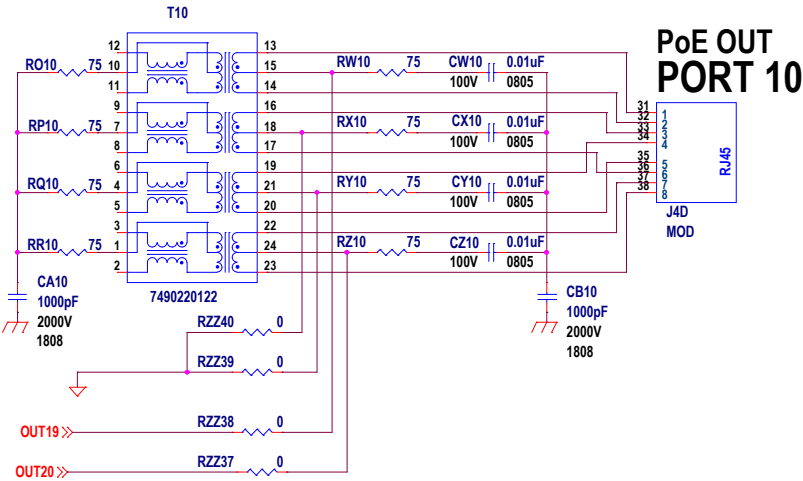
NOTE: UNLESS OTHERWISE SPECIFIED

- 1. ALL RESISTORS AND CAPACITORS ARE 0603.
- 2. INSTALL SHUNTS AS SHOWN.

CUSTOMER NOTICE		APPROVALS		ANALOG DEVICES		POWER BY LINEAR	
ANALOG DEVICES HAS MADE A BEST EFFORT TO DESIGN A CIRCUIT THAT MEETS CUSTOMER-SUPPLIED SPECIFICATIONS; HOWEVER, IT REMAINS THE CUSTOMER'S RESPONSIBILITY TO VERIFY PROPER AND RELIABLE OPERATION IN THE ACTUAL APPLICATION. COMPONENT SUBSTITUTION AND PRINTED CIRCUIT BOARD LAYOUT MAY SIGNIFICANTLY AFFECT CIRCUIT PERFORMANCE OR RELIABILITY. CONTACT ANALOG DEVICES APPLICATIONS ENGINEERING FOR ASSISTANCE.		PCB DES.	KEN/M	TITLE: SCHEMATIC 24-PORT IEEE 802.3bt PSE MOTHER BOARD		www.analog.com Phone: (408)432-1900	
		APP ENG.	ERIC.H				
THIS CIRCUIT IS PROPRIETARY TO ANALOG DEVICES AND SUPPLIED FOR USE WITH ANALOG DEVICES PARTS.				IC NO. LTC3639EMSE#TRPBF		SCHEMATIC NO. AND REVISION:	
				SKU NO. DC3017A		710-DC3017A-B_REV03	
				SIZE: N/A		DATE:	
						SHEET 5 OF 11	

UPPER ROW

REVISION HISTORY				
ECO	REV	DESCRIPTION	APPROVED	DATE
	3			



LOWER ROW

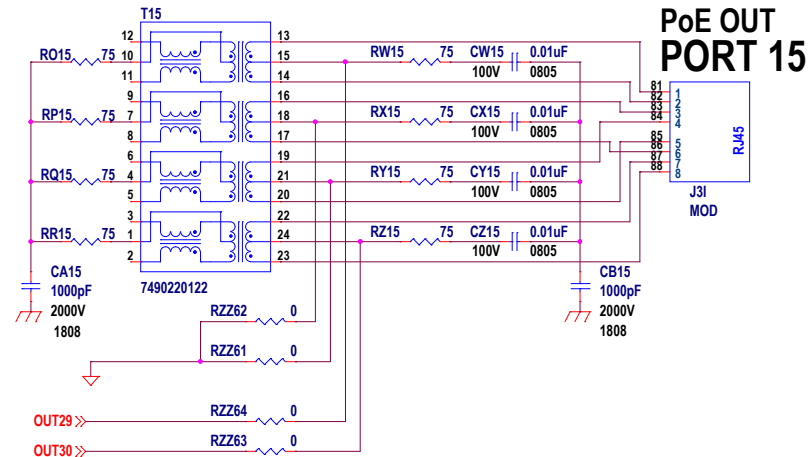
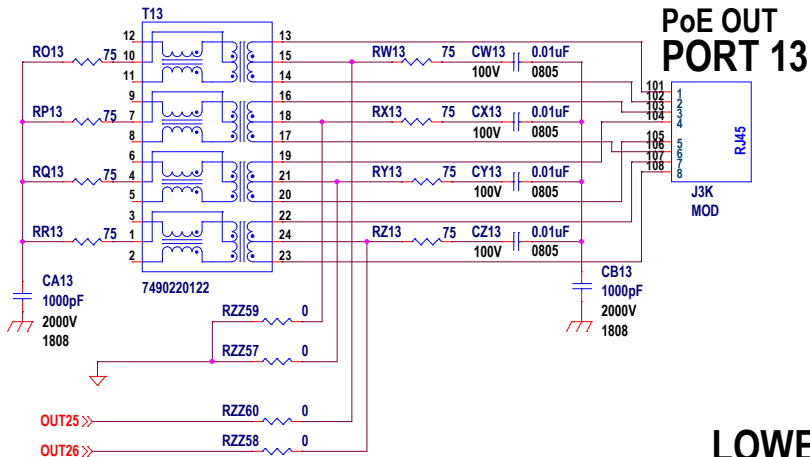
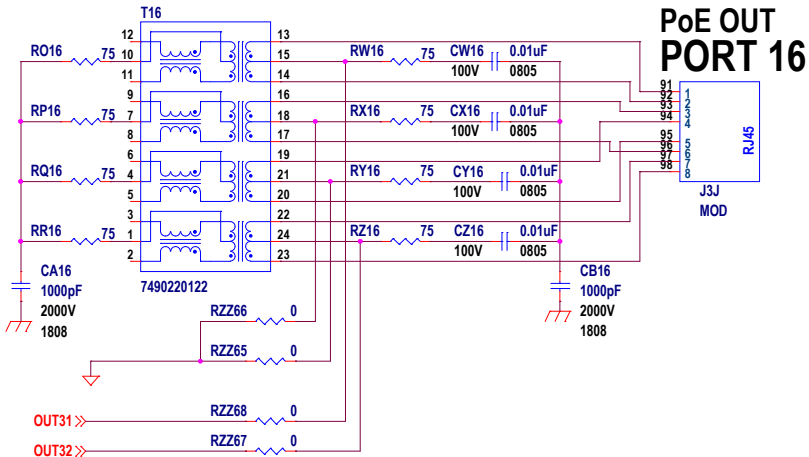
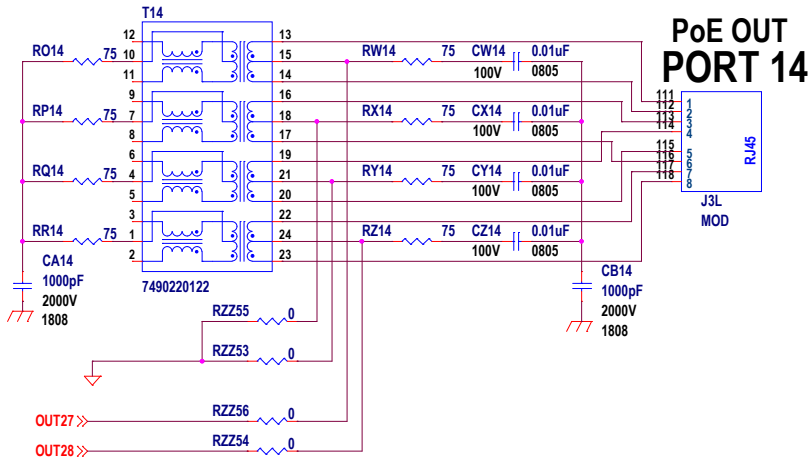
NOTE: UNLESS OTHERWISE SPECIFIED

- 1. ALL RESISTORS AND CAPACITORS ARE 0603.
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CUSTOMER NOTICE		APPROVALS		 ANALOG DEVICES www.analog.com		 POWER BY LINEAR Phone: (408)432-1900	
ANALOG DEVICES HAS MADE A BEST EFFORT TO DESIGN A CIRCUIT THAT MEETS CUSTOMER-SUPPLIED SPECIFICATIONS; HOWEVER, IT REMAINS THE CUSTOMER'S RESPONSIBILITY TO VERIFY PROPER AND RELIABLE OPERATION IN THE ACTUAL APPLICATION. COMPONENT SUBSTITUTION AND PRINTED CIRCUIT BOARD LAYOUT MAY SIGNIFICANTLY AFFECT CIRCUIT PERFORMANCE OR RELIABILITY. CONTACT ANALOG DEVICES APPLICATIONS ENGINEERING FOR ASSISTANCE.		PCB DES.	KELM	TITLE: SCHEMATIC 24-PORT IEEE 802.3bt PSE MOTHER BOARD			
		APP ENG.	ERIC.H				
THIS CIRCUIT IS PROPRIETARY TO ANALOG DEVICES AND SUPPLIED FOR USE WITH ANALOG DEVICES PARTS.				IC NO. LTC3639EMSE#TRPBF		SCHEMATIC NO. AND REVISION:	
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						SHEET 6 OF 11	

UPPER ROW

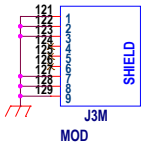
REVISION HISTORY				
ECO	REV	DESCRIPTION	APPROVED	DATE
	3			



LOWER ROW

NOTE: UNLESS OTHERWISE SPECIFIED

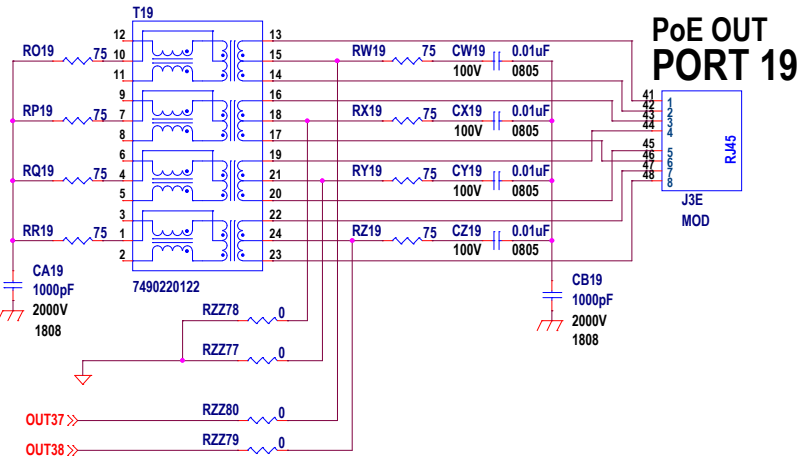
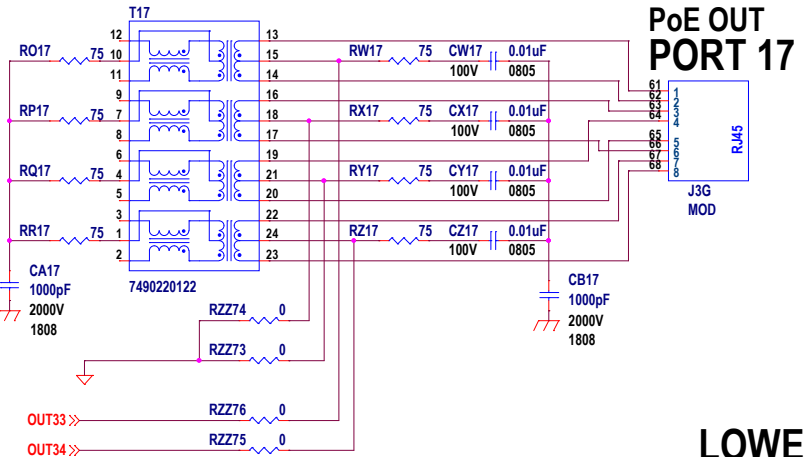
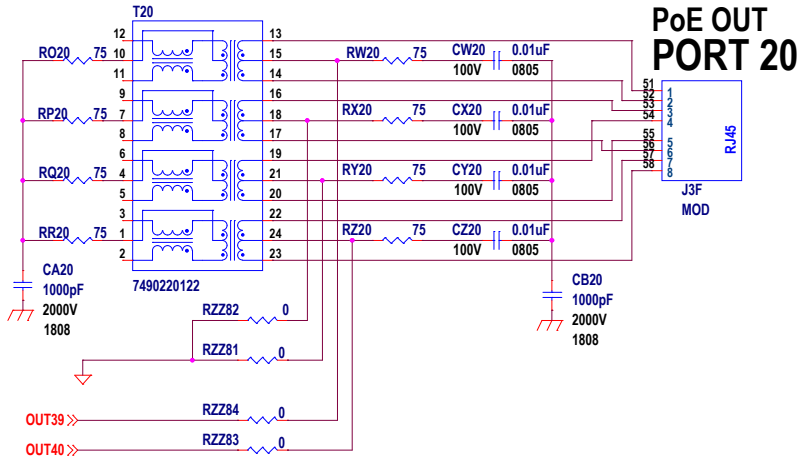
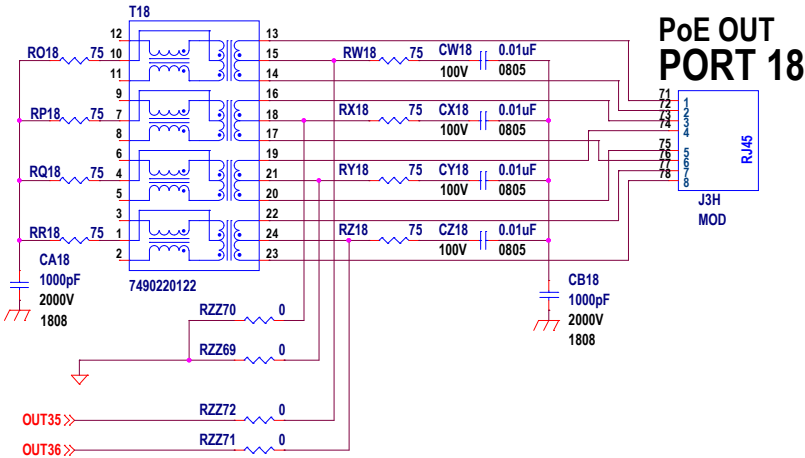
- 1. ALL RESISTORS AND CAPACITORS ARE 0603.
- 2. INSTALL SHUNTS AS SHOWN.



CUSTOMER NOTICE		APPROVALS		ANALOG DEVICES		POWER BY LINEAR	
ANALOG DEVICES HAS MADE A BEST EFFORT TO DESIGN A CIRCUIT THAT MEETS CUSTOMER-SUPPLIED SPECIFICATIONS; HOWEVER, IT REMAINS THE CUSTOMER'S RESPONSIBILITY TO VERIFY PROPER AND RELIABLE OPERATION IN THE ACTUAL APPLICATION. COMPONENT SUBSTITUTION AND PRINTED CIRCUIT BOARD LAYOUT MAY SIGNIFICANTLY AFFECT CIRCUIT PERFORMANCE OR RELIABILITY. CONTACT ANALOG DEVICES APPLICATIONS ENGINEERING FOR ASSISTANCE.		PCB DES.	KEN.M	TITLE: SCHEMATIC 24-PORT IEEE 802.3bt PSE MOTHER BOARD		www.analog.com Phone: (408)432-1900	
		APP ENG.	ERIC.H				
THIS CIRCUIT IS PROPRIETARY TO ANALOG DEVICES AND SUPPLIED FOR USE WITH ANALOG DEVICES PARTS.		IC NO. LTC3639EMSE#TRPBF		SKU NO. DC3017A		SCHEMATIC NO. AND REVISION: 710-DC3017A-B_REV03	
		SIZE: N/A		DATE:		SHEET 7 OF 11	

UPPER ROW

REVISION HISTORY				
ECO	REV	DESCRIPTION	APPROVED	DATE
	3			



LOWER ROW

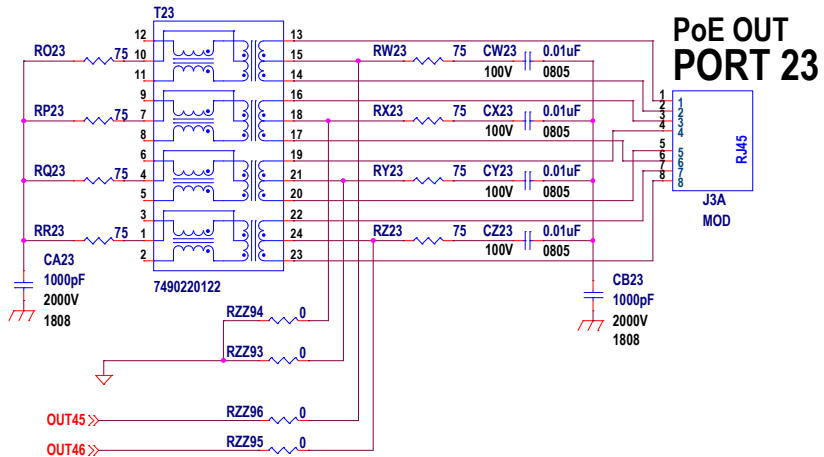
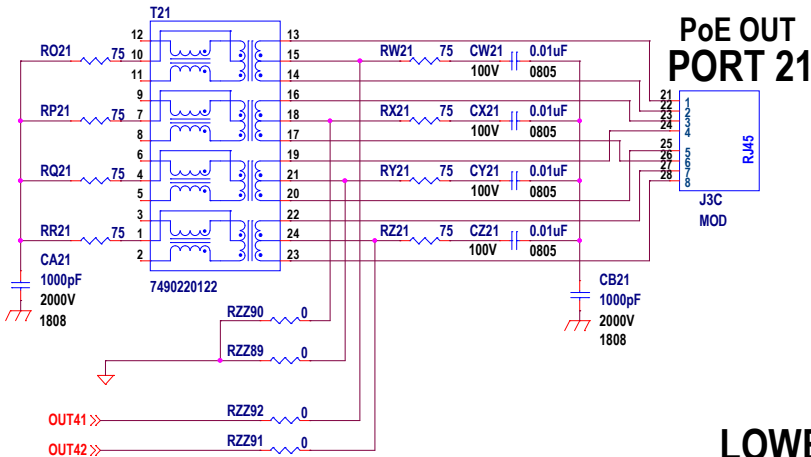
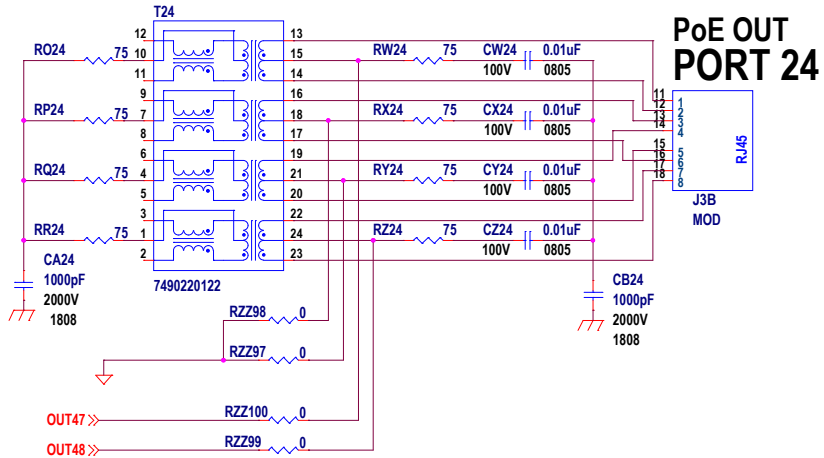
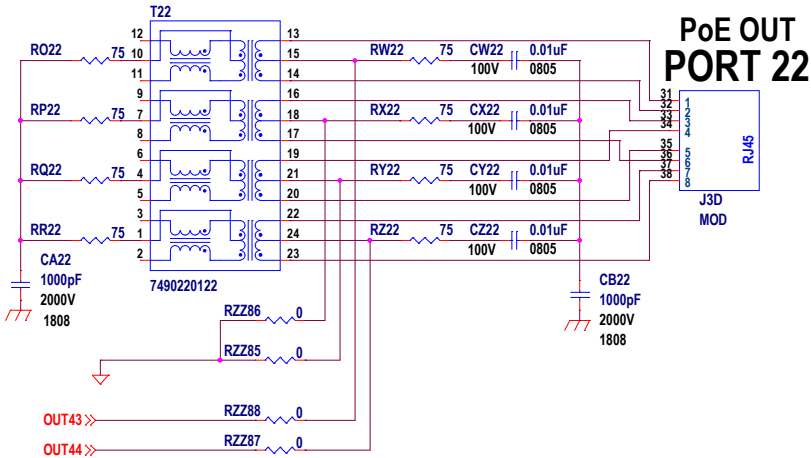
NOTE: UNLESS OTHERWISE SPECIFIED

- 1. ALL RESISTORS AND CAPACITORS ARE 0603.
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CUSTOMER NOTICE ANALOG DEVICES HAS MADE A BEST EFFORT TO DESIGN A CIRCUIT THAT MEETS CUSTOMER-SUPPLIED SPECIFICATIONS; HOWEVER, IT REMAINS THE CUSTOMER'S RESPONSIBILITY TO VERIFY PROPER AND RELIABLE OPERATION IN THE ACTUAL APPLICATION. COMPONENT SUBSTITUTION AND PRINTED CIRCUIT BOARD LAYOUT MAY SIGNIFICANTLY AFFECT CIRCUIT PERFORMANCE OR RELIABILITY. CONTACT ANALOG DEVICES APPLICATIONS ENGINEERING FOR ASSISTANCE. THIS CIRCUIT IS PROPRIETARY TO ANALOG DEVICES AND SUPPLIED FOR USE WITH ANALOG DEVICES PARTS.	APPROVALS		 ANALOG DEVICES www.analog.com	 POWER BY LINEAR Phone: (408)432-1900	
	PCB DES.	KEM.M			
	APP ENG.	ERIC.H			
	TITLE: SCHEMATIC				
	24-PORT IEEE 802.3bt PSE MOTHER BOARD				
	IC NO. LTC3639EMSE#TRPBF				SCHEMATIC NO. AND REVISION:
SKU NO. DC3017A		710-DC3017A-B_REV03			
SIZE: N/A		DATE:		SHEET 8 OF 11	

UPPER ROW

REVISION HISTORY				
ECO	REV	DESCRIPTION	APPROVED	DATE
	3			



LOWER ROW

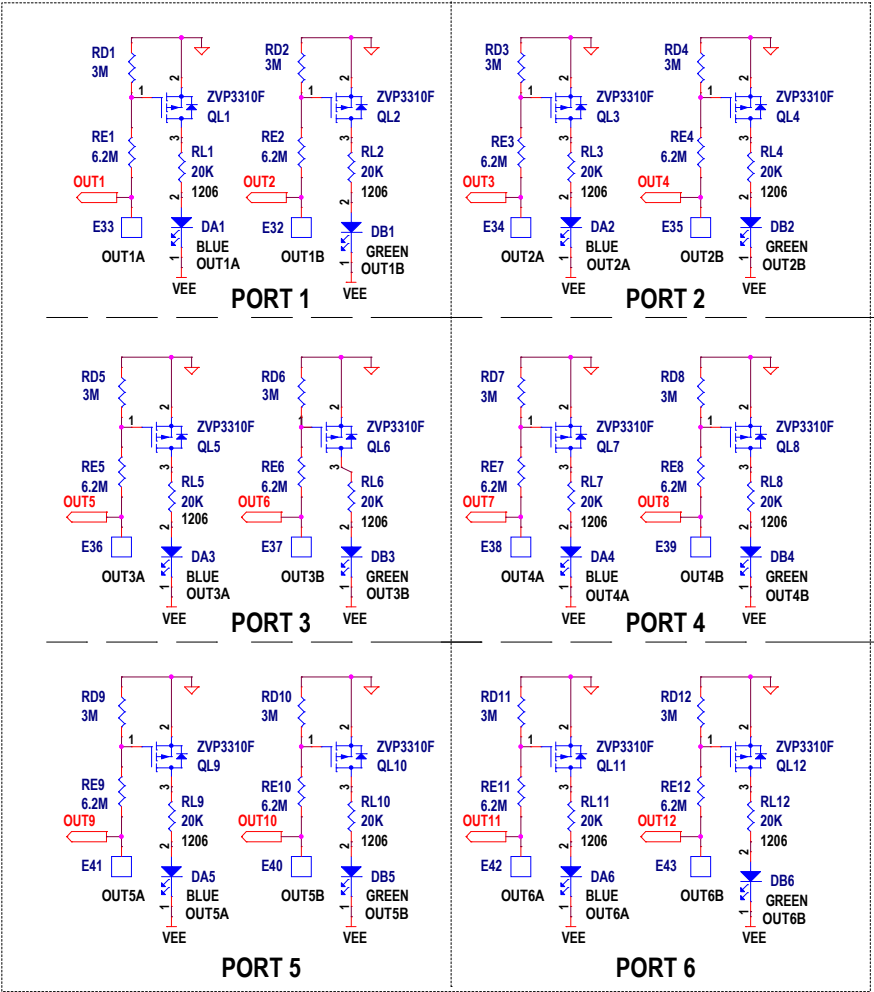
NOTE: UNLESS OTHERWISE SPECIFIED

- 1. ALL RESISTORS AND CAPACITORS ARE 0603.
- 2. INSTALL SHUNTS AS SHOWN.

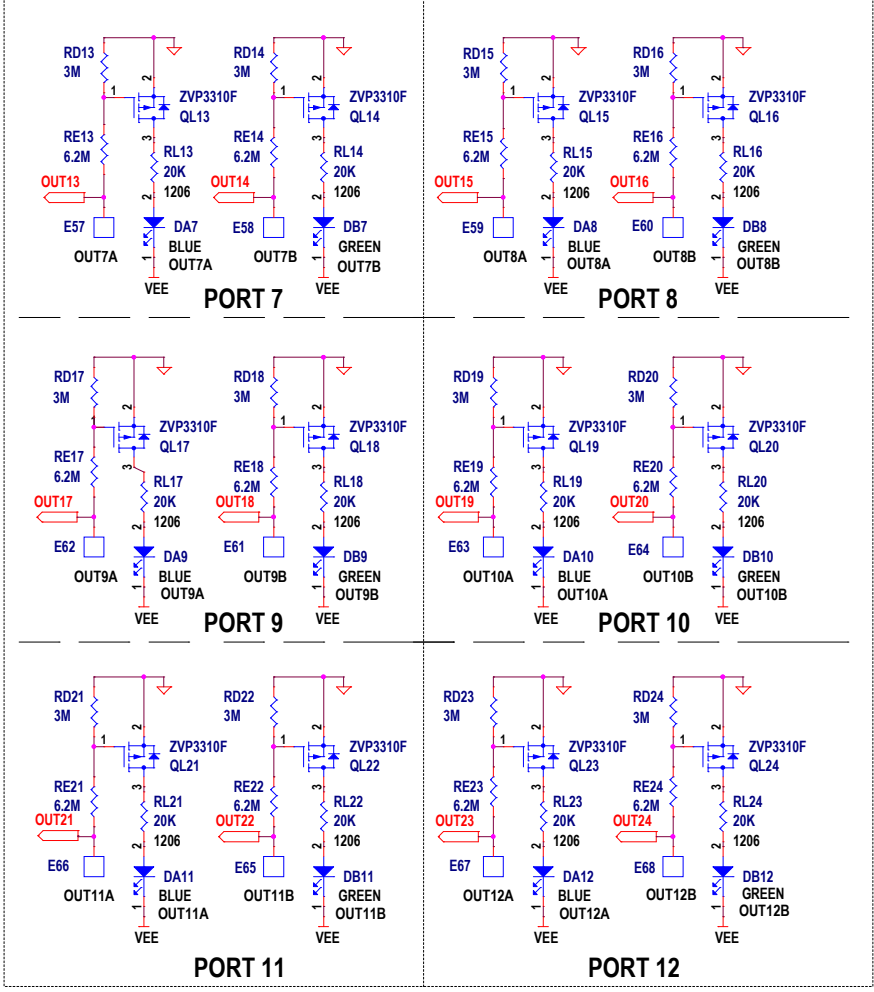
CUSTOMER NOTICE		APPROVALS		ANALOG DEVICES		POWER BY LINEAR			
ANALOG DEVICES HAS MADE A BEST EFFORT TO DESIGN A CIRCUIT THAT MEETS CUSTOMER-SUPPLIED SPECIFICATIONS; HOWEVER, IT REMAINS THE CUSTOMER'S RESPONSIBILITY TO VERIFY PROPER AND RELIABLE OPERATION IN THE ACTUAL APPLICATION. COMPONENT SUBSTITUTION AND PRINTED CIRCUIT BOARD LAYOUT MAY SIGNIFICANTLY AFFECT CIRCUIT PERFORMANCE OR RELIABILITY. CONTACT ANALOG DEVICES APPLICATIONS ENGINEERING FOR ASSISTANCE.		PCB DES.	KEN.M						
		APP ENG.	ERIC.H						
THIS CIRCUIT IS PROPRIETARY TO ANALOG DEVICES AND SUPPLIED FOR USE WITH ANALOG DEVICES PARTS.				TITLE: SCHEMATIC					
				24-PORT IEEE 802.3bt PSE MOTHER BOARD					
				IC NO. LTC3639EMSE#TRPBF		SCHEMATIC NO. AND REVISION:			
				SKU NO. DC3017A		710-DC3017A-B_REV03			
				SIZE: N/A		DATE:			
						SHEET 9 OF 11			

REVISION HISTORY				
ECO	REV	DESCRIPTION	APPROVED	DATE
	3			

OPTIONAL PORT LED DRIVERS - PORTS 1 TO 6



OPTIONAL PORT LED DRIVERS - PORTS 7 - 12

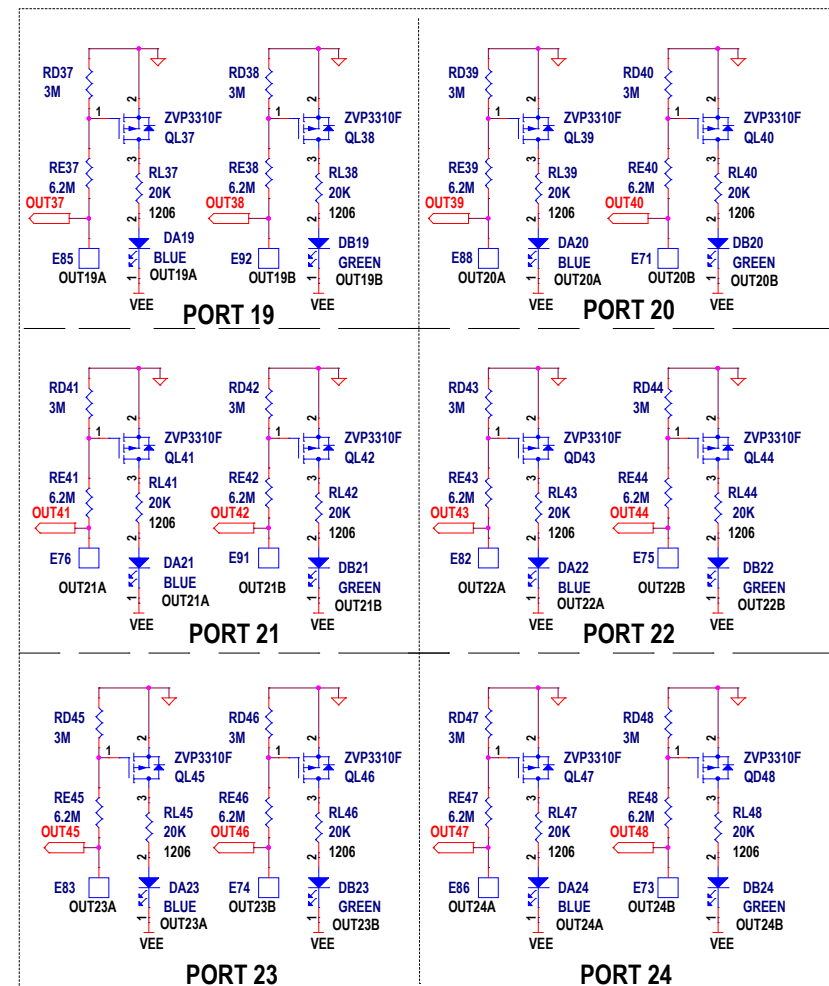


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- ALL RESISTORS AND CAPACITORS ARE 0603.
- INSTALL SHUNTS AS SHOWN.

CUSTOMER NOTICE		APPROVALS		ANALOG DEVICES		POWER BY LINEAR			
ANALOG DEVICES HAS MADE A BEST EFFORT TO DESIGN A CIRCUIT THAT MEETS CUSTOMER-SUPPLIED SPECIFICATIONS; HOWEVER, IT REMAINS THE CUSTOMER'S RESPONSIBILITY TO VERIFY PROPER AND RELIABLE OPERATION IN THE ACTUAL APPLICATION. COMPONENT SUBSTITUTION AND PRINTED CIRCUIT BOARD LAYOUT MAY SIGNIFICANTLY AFFECT CIRCUIT PERFORMANCE OR RELIABILITY. CONTACT ANALOG DEVICES APPLICATIONS ENGINEERING FOR ASSISTANCE.		PCB DES.	KEN.M	www.analog.com		Phone: (408)432-1900			
		APP ENG.	ERIC.H						
THIS CIRCUIT IS PROPRIETARY TO ANALOG DEVICES AND SUPPLIED FOR USE WITH ANALOG DEVICES PARTS.		TITLE: SCHEMATIC		24-PORT IEEE 802.3bt PSE MOTHER BOARD					
		IC NO. LTC3639EMSE#TRPBF		SCHEMATIC NO. AND REVISION:					
		SKU NO. DC3017A		710-DC3017A-B_REV03					
		SIZE: N/A		DATE:		SHEET 10 OF 11			

OPTIONAL PORT LED DRIVERS - PORTS 19 -24



2. INSTALL SHUNTS AS SHOWN.

CUSTOMER NOTICE ANALOG DEVICES HAS MADE A BEST EFFORT TO DESIGN A CIRCUIT THAT MEETS CUSTOMER-SUPPLIED SPECIFICATIONS; HOWEVER, IT REMAINS THE CUSTOMER'S RESPONSIBILITY TO VERIFY PROPER AND RELIABLE OPERATION IN THE FINAL APPLICATION. COMPONENT SUBSTITUTION AND PRINTED CIRCUIT BOARD LAYOUT MAY SIGNIFICANTLY AFFECT CIRCUIT PERFORMANCE OR RELIABILITY. CONTACT ANALOG DEVICES APPLICATIONS ENGINEERING FOR ASSISTANCE. THIS CIRCUIT IS PROPRIETARY TO ANALOG DEVICES AND SUPPLIED FOR USE WITH ANALOG DEVICES PARTS.		APPROVALS <table><tr><td>PCB DES.</td><td>KEMLM</td></tr><tr><td>APP ENG.</td><td>ERIC.H</td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr></table>		PCB DES.	KEMLM	APP ENG.	ERIC.H									ANALOG DEVICES www.analog.com POWER BY LINEAR Phone: (408) 432-1900 TITLE: SCHEMATIC 24-PORT IEEE 802.3bt PSE MOTHER BOARD <table><tr><td>IC NO.</td><td>LTC3839EMSE#TRPBF</td><td>SCHEMATIC NO. AND REVISION:</td></tr><tr><td>SKU NO.</td><td>DC3017A</td><td>710-DC3017A-B_REV03</td></tr></table> SIZE: NA DATE: SHEET 11 OF 11		IC NO.	LTC3839EMSE#TRPBF	SCHEMATIC NO. AND REVISION:	SKU NO.	DC3017A	710-DC3017A-B_REV03
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