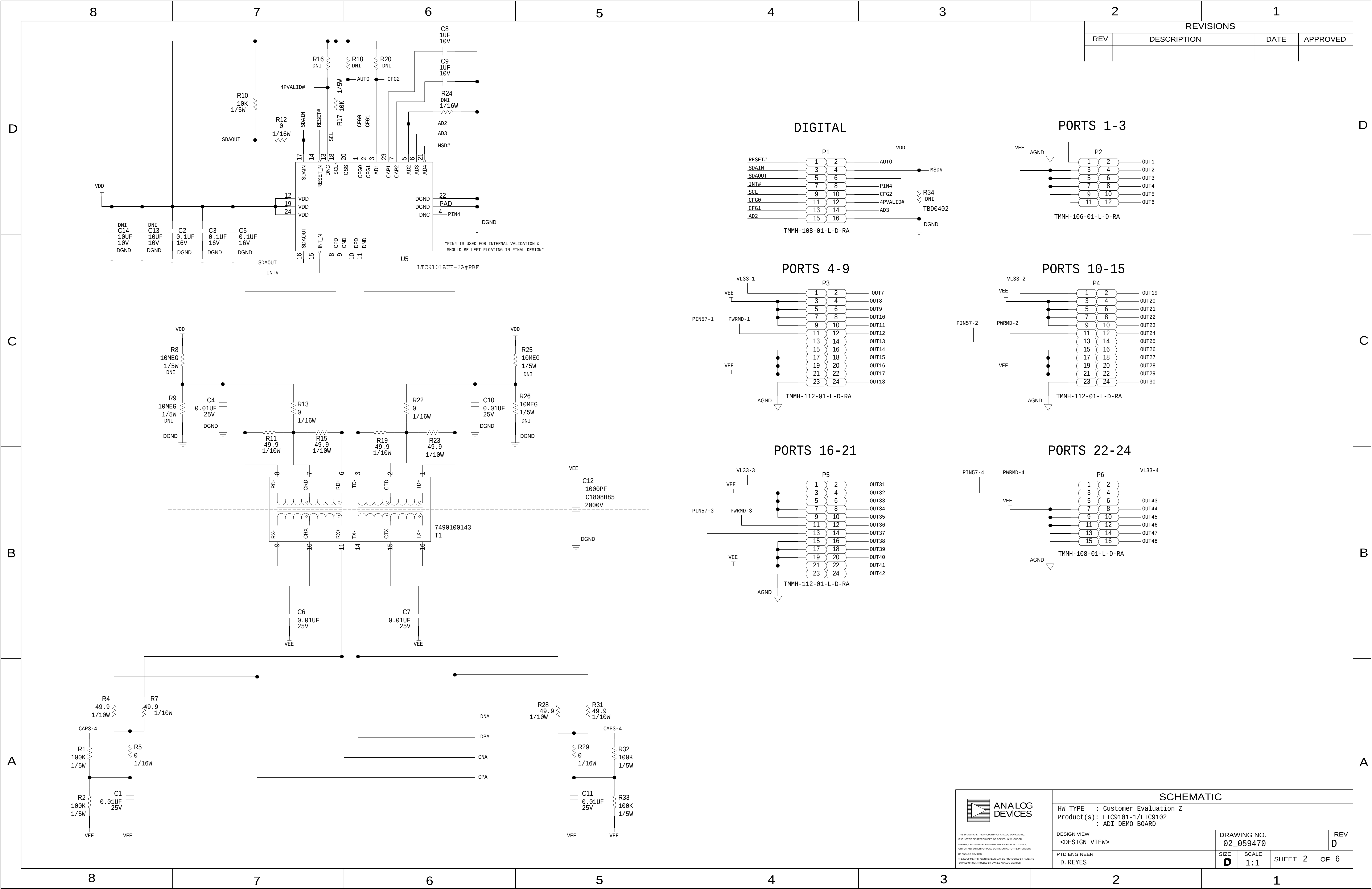
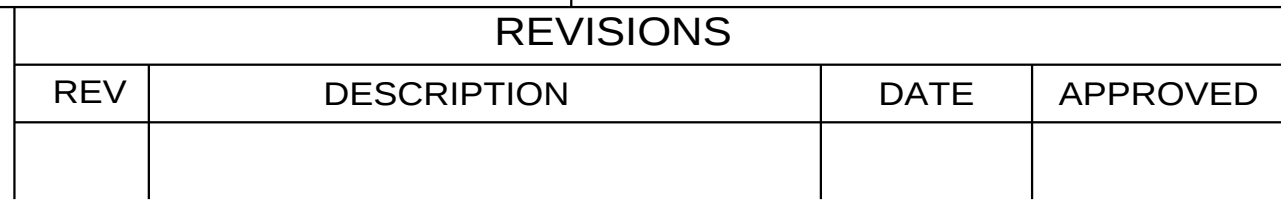


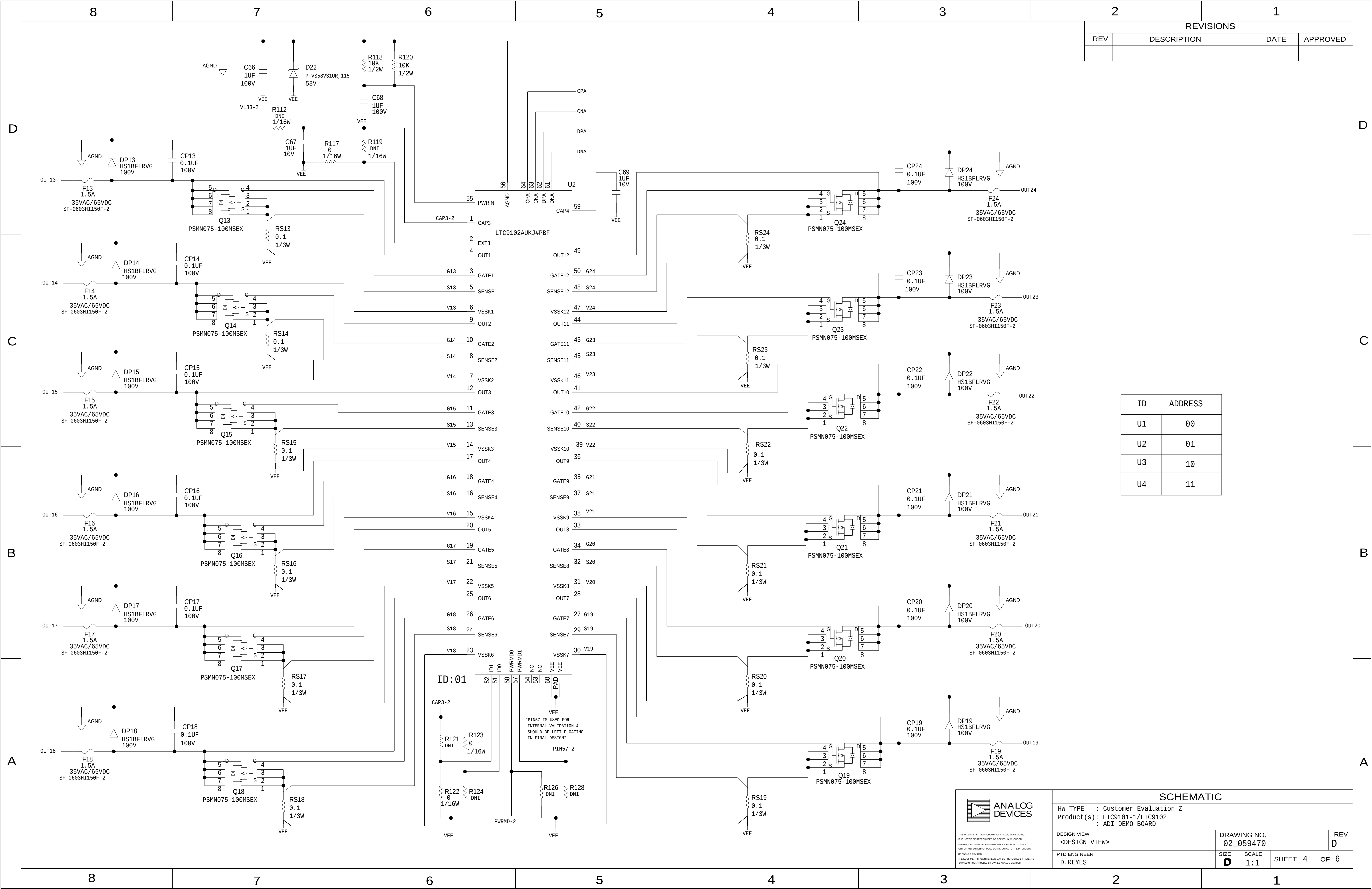
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THIS DRAWING IS THE PROPERTY OF ANALOG DEVICES INC. IT IS NOT TO BE REPRODUCED OR COPIED, IN WHOLE OR IN PART, OR USED IN FURNISHING INFORMATION TO OTHERS, OR FOR ANY OTHER PURPOSE DETRIMENTAL TO THE INTERESTS OF ANALOG DEVICES. THE EQUIPMENT SHOWN HEREON MAY BE PROTECTED BY PATENTS OWNED OR CONTROLLED BY ANALOG DEVICES.						JUMPER TABLE										REVISIONS							
																REV	DESCRIPTION		DATE	APPROVED			
						JP#										A				INITIAL RELEASE		28NOV19	D.REYES
						1										ON		OFF	A1				AS PER ECR-097342
						2										B				AS PER ECR-098354		07SEP20	E.HORSMA
						3										ON		OFF	B1				AS PER ECR-100158
						4										B2				AS PER ECR-101069		13JAN21	E.HORSMA
						5										ON		OFF	C				AS PER ECR-102115
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																			D1				AS PER ECR-113123

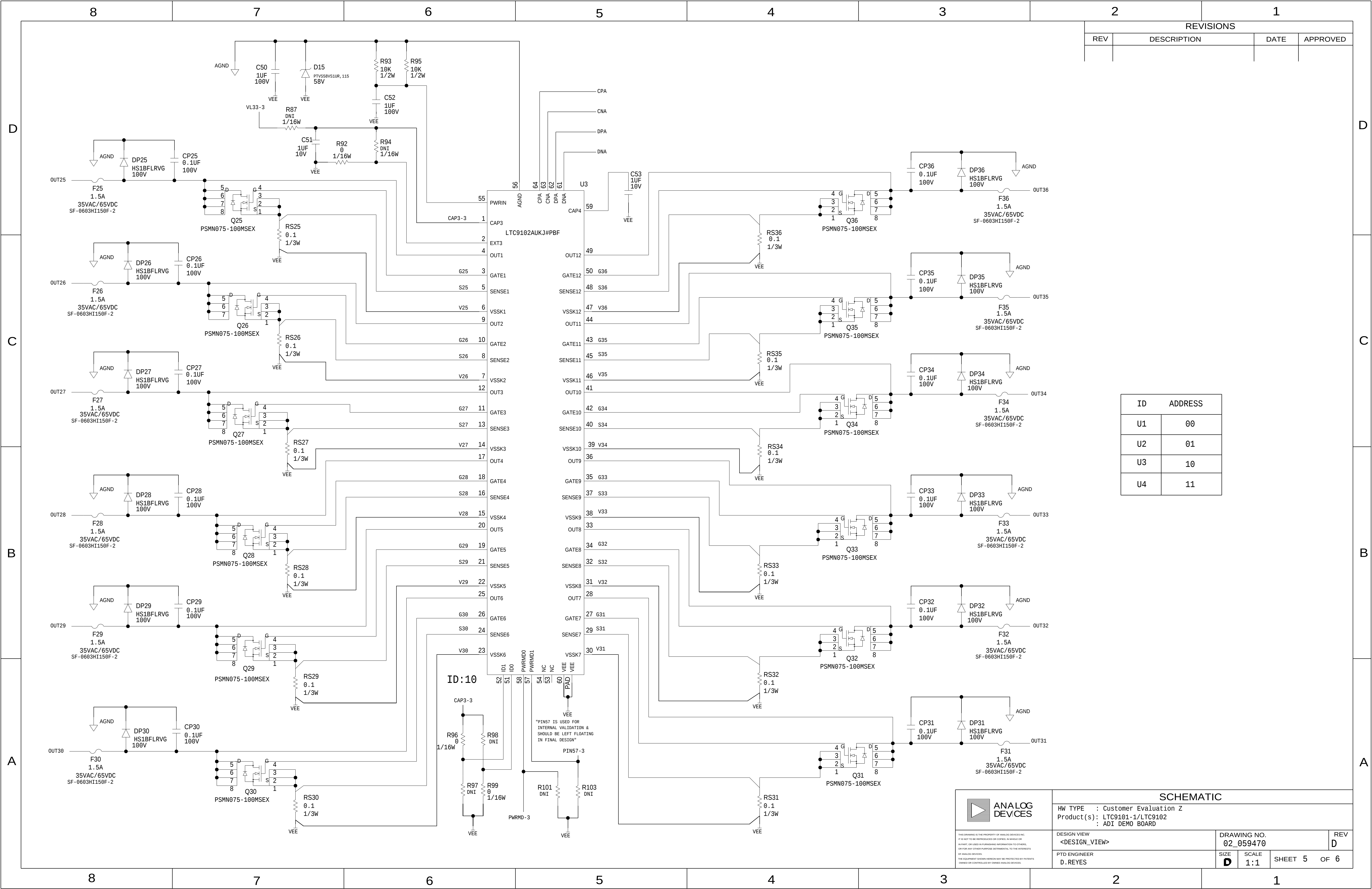




ID	ADDRESS
U1	00
U2	01
U3	10
U4	11

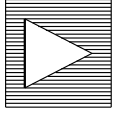
 ANALOG DEVICES	SCHEMATIC				
	HW TYPE : Customer Evaluation Z Product(s) : LTC9101-1/LTC9102 ADI DEMO BOARD				
THIS DRAWING IS THE PROPERTY OF ANALOG DEVICES INC. IT IS NOT TO BE REPRODUCED OR COPIED, IN WHOLE OR IN PART, OR TO BE USED IN ANY MANNER, INCLUDING TO PHOTOCOPY, OR FOR ANY OTHER PURPOSE, DETRIMENTAL, TO THE INTERESTS OF ANALOG DEVICES. THE EQUIPMENT DESIGN HEREON MAY BE PROTECTED BY PATENTS OWNED OR CONTROLLED BY OWNED ANALOG DEVICES.	DESIGN VIEW <DESIGN_VIEW>		DRAWING NO. 02_059470		REV D
	PTD ENGINEER D.REYES		SIZE D	SCALE 1:1	SHEET 3 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

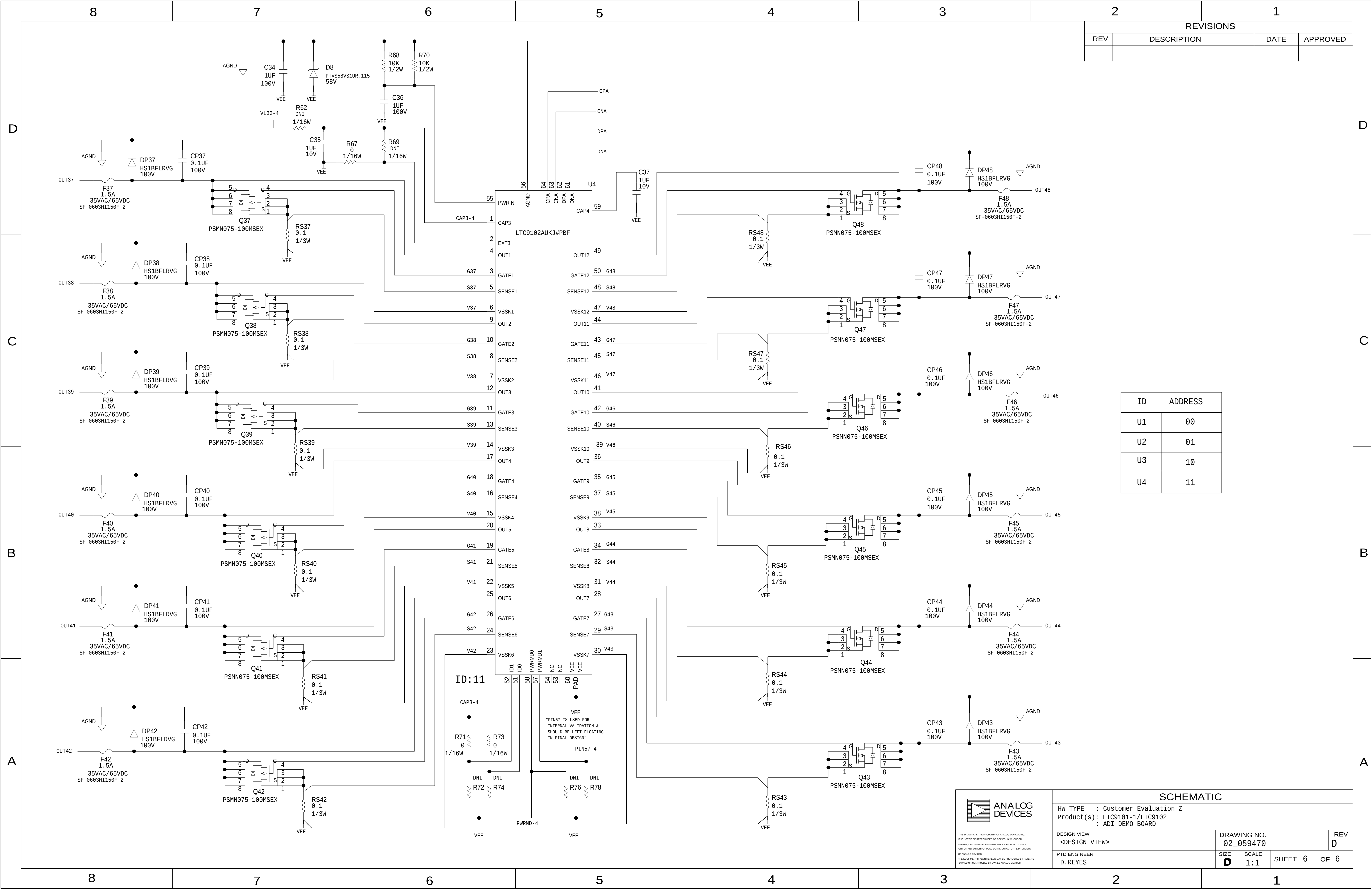
DRAWING NO.
02_059470

SIZE **D** SCALE 1:1

REV
D

SHEET 5 OF 6

THIS DRAWING IS THE PROPERTY OF ANALOG DEVICES INC.
IT IS NOT TO BE REPRODUCED OR COPIED IN WHOLE OR
IN PART, OR USED IN FURNISHING INFORMATION TO OTHERS,
OR FOR ANY OTHER PURPOSE DETRIMENTAL TO THE INTERESTS
OF ANALOG DEVICES.
THE EQUIPMENT SHOWN HEREON MAY BE PROTECTED BY PATENTS
OWNED OR CONTROLLED BY ANALOG DEVICES.



POWER SUPPLY

REVISION HISTORY				
ECO	REV	DESCRIPTION	APPROVED	DATE
	3			

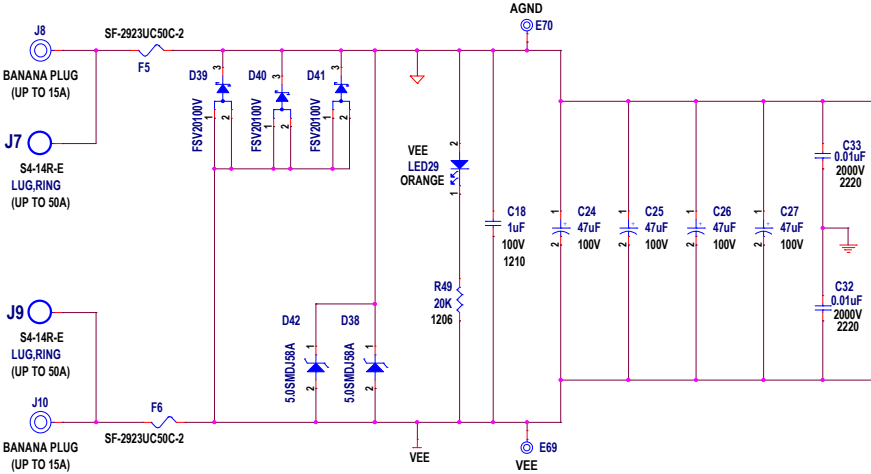
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POS INPUT
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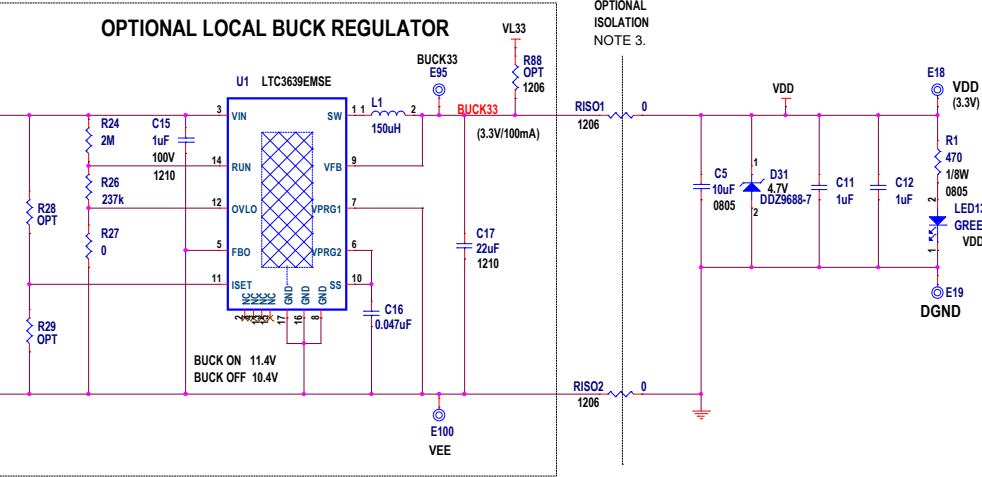
TYPE 3: 51V - 57V
TYPE 4: 53V - 57V

NEG INPUT
-

OPTIONAL OVERCURRENT, OVERVOLTAGE,
AND REVERSE VOLTAGE PROTECTION

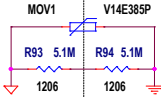


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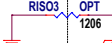


OPTIONAL ISOLATION
NOTE 3.

OPTIONAL SURGE PROTECTION
AND BLEEDER RESISTANCE

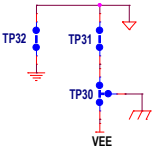


OPTIONAL ISOLATION
NOTE 4.



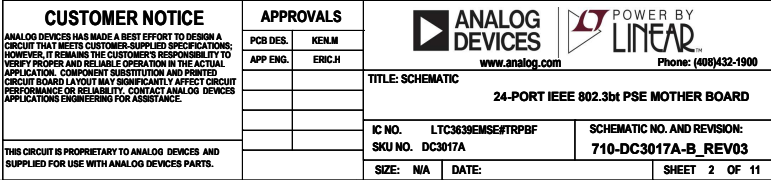
NOTE: UNLESS OTHERWISE SPECIFIED

1. ALL RESISTORS AND CAPACITORS ARE 0603.
2. INSTALL SHUNTS AS SHOWN.
3. REMOVE RESISTORS TO ISOLATE DIGITAL AND ANALOG DOMAINS
4. POPULATE RESISTOR TO CONNECT DIGITAL GROUND TO CHASSIS



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 MAY AFFECT CIRCUIT PERFORMANCE OR RELIABILITY. CONTACT ANALOG DEVICES APPLICATIONS ENGINEERING FOR ASSISTANCE.		PCB DES.	HELM	www.analog.com		Phone: (408)432-1900	
THIS CIRCUIT IS PROPRIETARY TO ANALOG DEVICES AND SUPPLIED FOR USE WITH ANALOG DEVICES PARTS.		APP ENG.	SRCH	TITLE: SCHEMATIC		24-PORT IEEE 802.3a PSE MOTHER BOARD	
				IC NO. LTC3639EMSE#TRPBF		SCHEMATIC NO. AND REVISION:	
				SKU NO. DC3017A		710-DC3017A-B_REV03	
				SIZE: N/A		DATE:	
						SHEET 1 OF 11	

REVISION HISTORY				
ECO	REV	DESCRIPTION	APPROVED	DATE
	3			

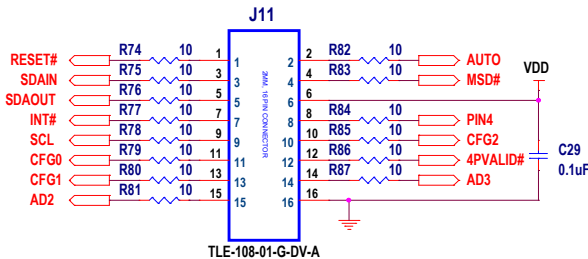


NOTE: UNLESS OTHERWISE SPECIFIED
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2. INSTALL SHUNTS AS SHOWN.

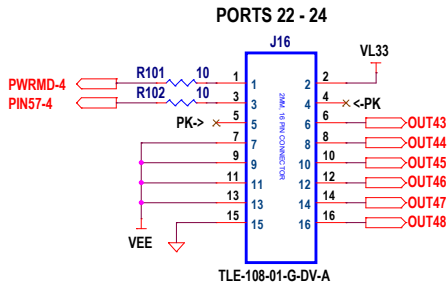
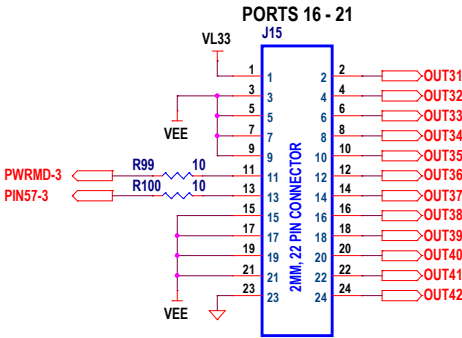
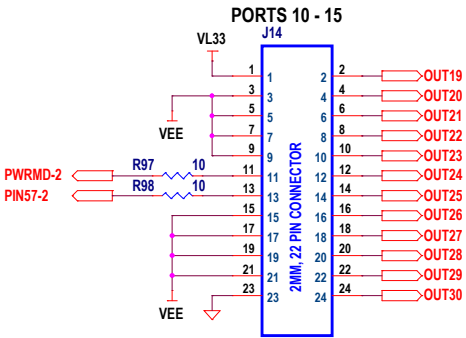
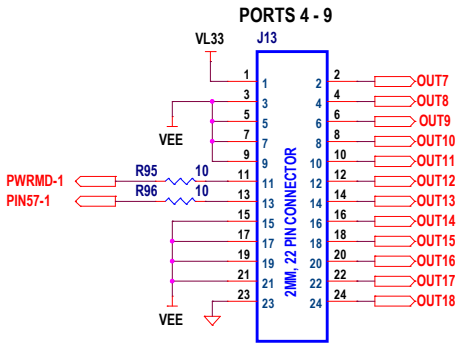
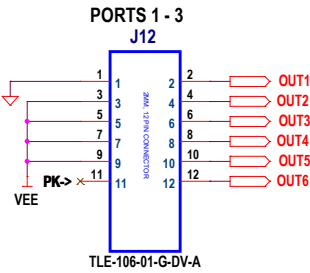
DAUGHTER CARD CONNECTIONS

REVISION HISTORY				
ECO	REV	DESCRIPTION	APPROVED	DATE
	3			

DIGITAL CONNECTIONS



ANALOG CONNECTIONS

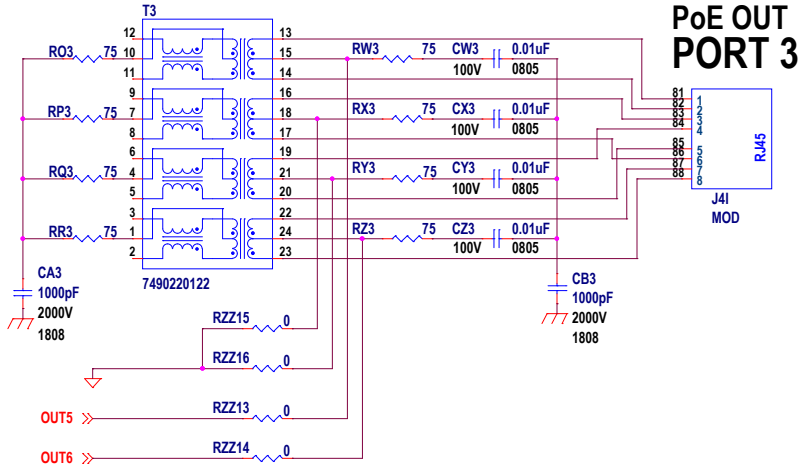
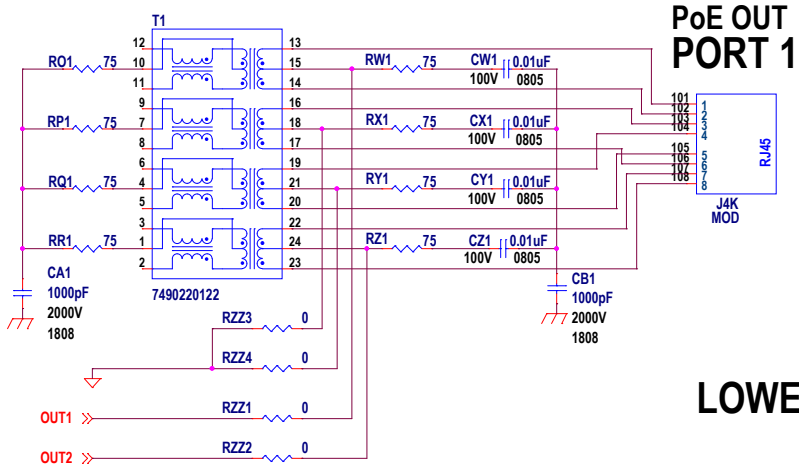
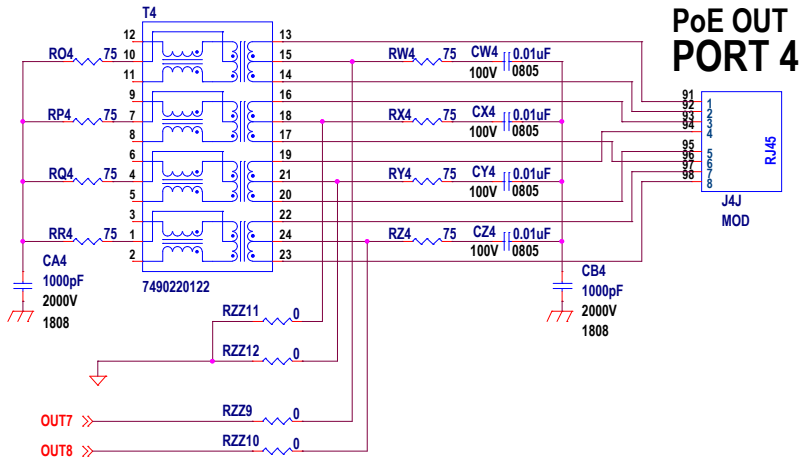
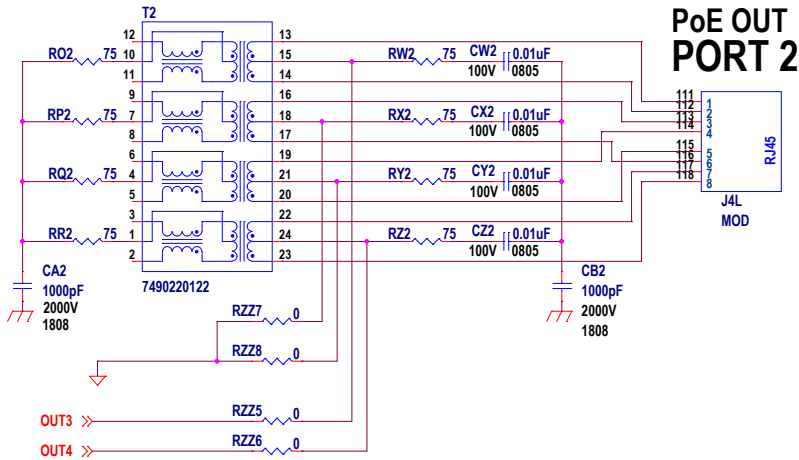


NOTE: UNLESS OTHERWISE SPECIFIED
1. ALL RESISTORS AND CAPACITORS ARE 0603.
2. INSTALL SHUNTS AS SHOWN.

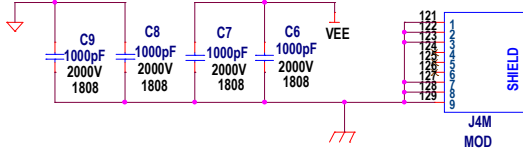
CUSTOMER NOTICE		APPROVALS		ANALOG DEVICES		POWER BY LINEAR	
ANALOG DEVICES HAS MADE A BEST EFFORT TO DESIGN A CIRCUIT THAT MEETS CUSTOMER-SUPPLIED SPECIFICATIONS; HOWEVER, IT REMAINS THE CUSTOMER'S RESPONSIBILITY TO VERIFY PROPER AND RELIABLE OPERATION IN THE ACTUAL APPLICATION. COMPONENT SUBSTITUTION 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:		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

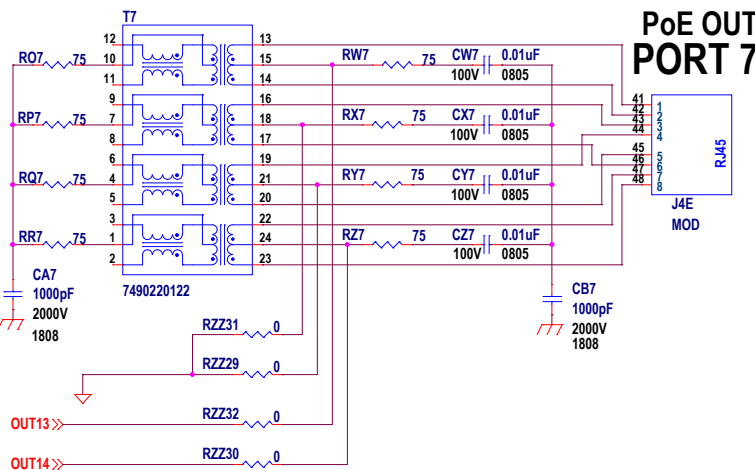
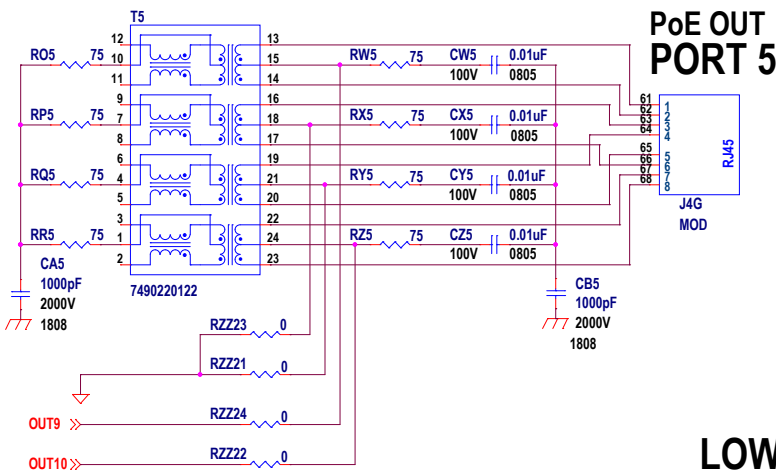
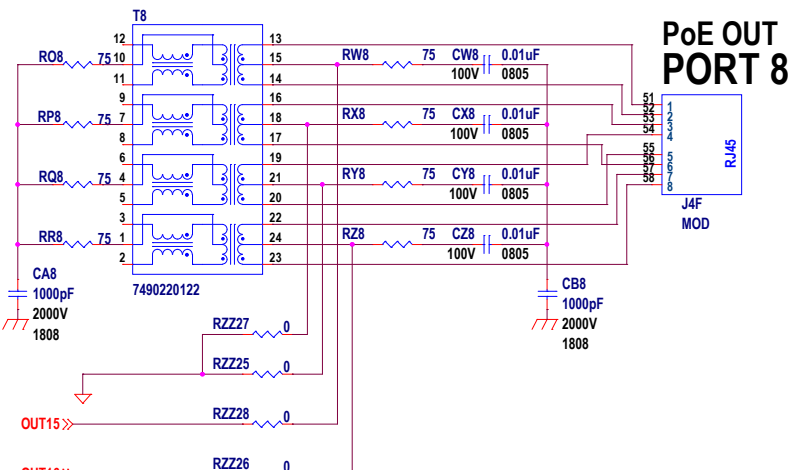
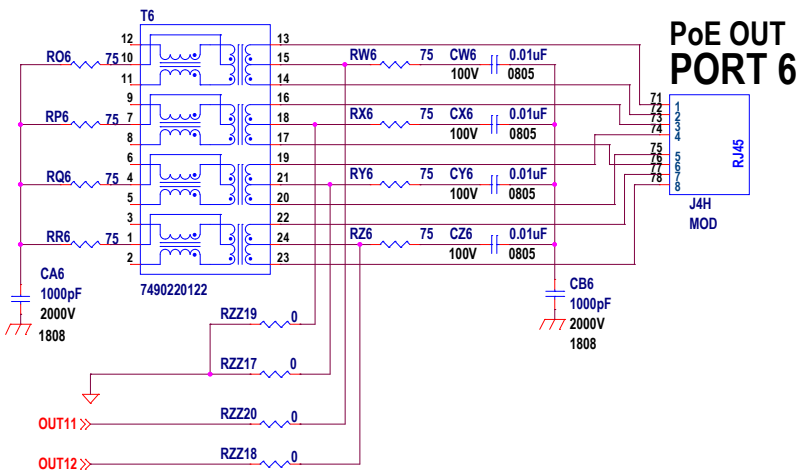


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CUSTOMER NOTICE		APPROVALS		ANALOG DEVICES		POWER BY LINEAR	
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		APP ENG.	ERIC.H				
THIS CIRCUIT IS PROPRIETARY TO ANALOG DEVICES AND SUPPLIED FOR USE WITH ANALOG DEVICES PARTS.		TITLE: SCHEMATIC 24-PORT IEEE 802.3bt PSE MOTHER BOARD		IC NO. LTC3639EMSE#TRPB#		SCHEMATIC NO. AND REVISION:	
				SKU NO. DC3017A		710-DC3017A-B_REV03	
				SIZE: N/A		DATE:	
						SHEET 4 OF 11	

UPPER ROW

REVISION HISTORY				
ECO	REV	DESCRIPTION	APPROVED	DATE
	3			



LOWER ROW

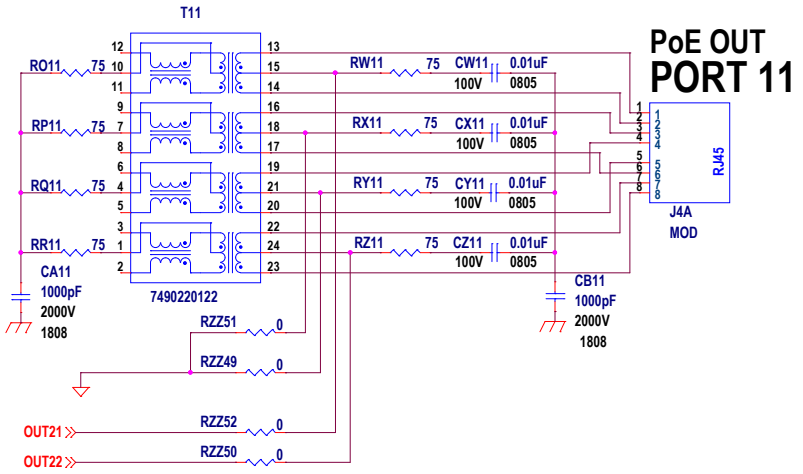
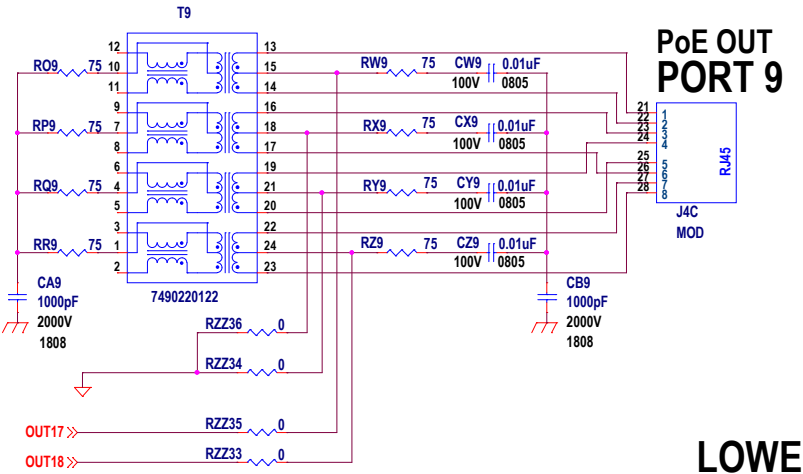
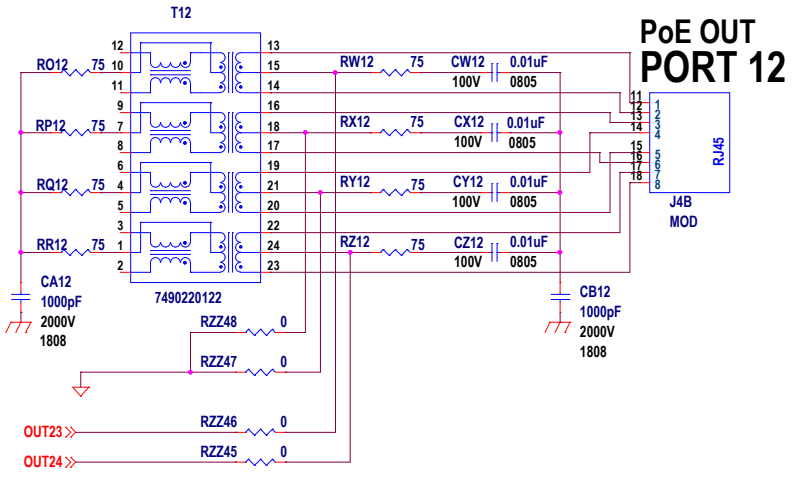
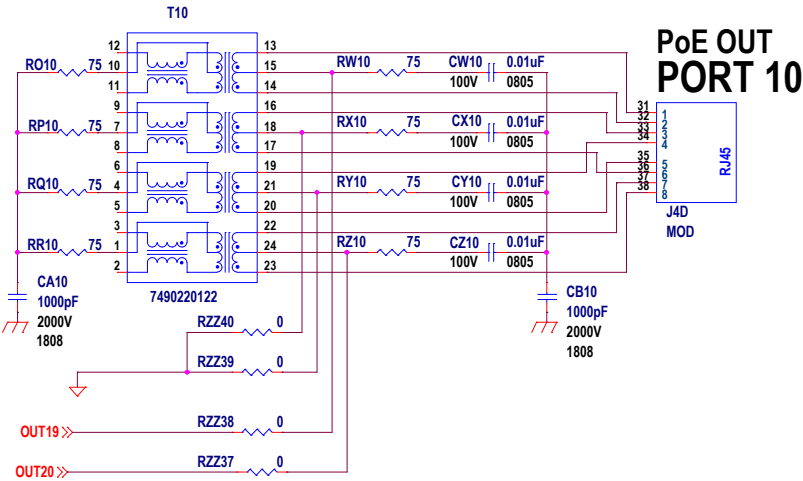
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		APP ENG.	ERIC.H				
				TITLE: SCHEMATIC			
				24-PORT IEEE 802.3bt PSE MOTHER BOARD			
THIS CIRCUIT IS PROPRIETARY TO ANALOG DEVICES AND SUPPLIED FOR USE WITH ANALOG DEVICES PARTS.		IC NO.		LTC3639EMSE#TRPBF		SCHEMATIC NO. AND REVISION:	
		SKU 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

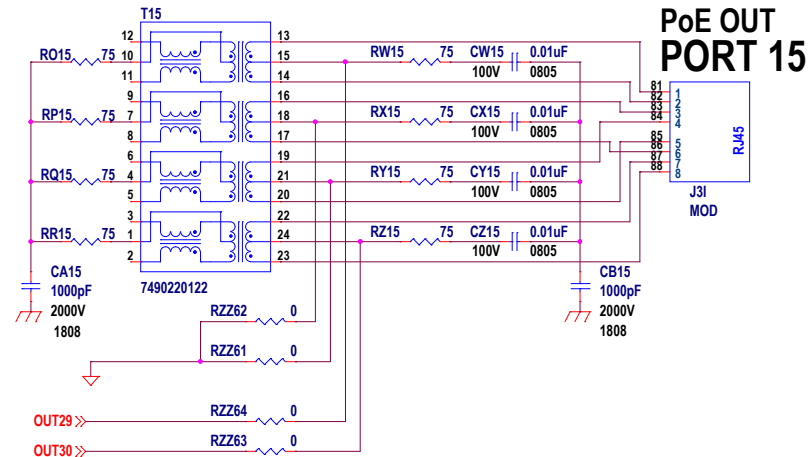
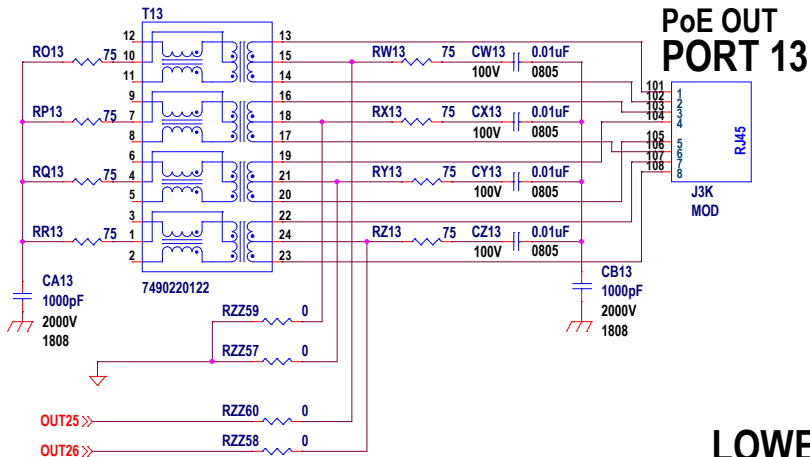
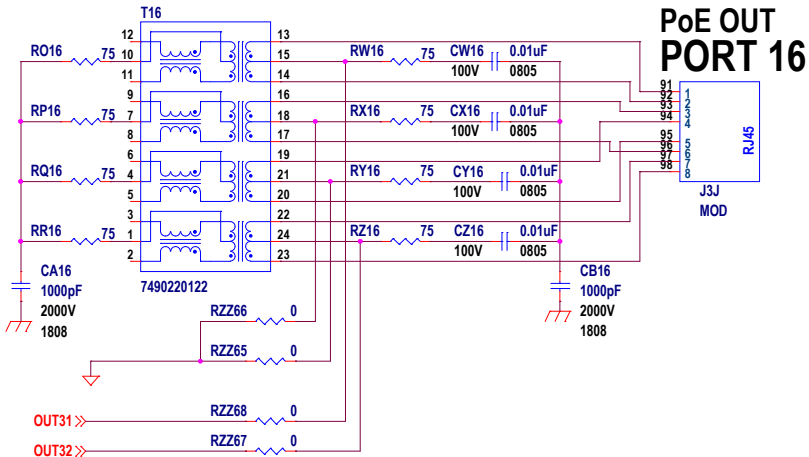
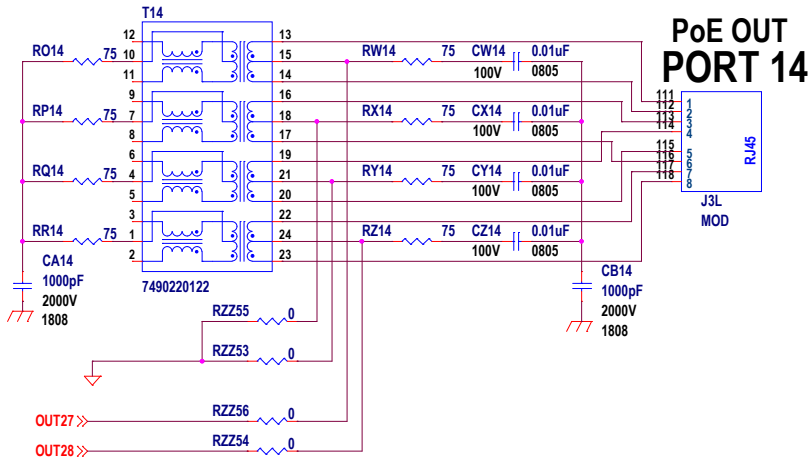
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THIS CIRCUIT IS PROPRIETARY TO ANALOG DEVICES AND SUPPLIED FOR USE WITH ANALOG DEVICES PARTS.		APP ENG.	ERIC.H	TITLE: SCHEMATIC		24-PORT IEEE 802.3bt PSE MOTHER BOARD	
				IC NO. LTC3639EMSE#TRPBF		SCHEMATIC NO. AND REVISION:	
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						SHEET 6 OF 11	

UPPER ROW

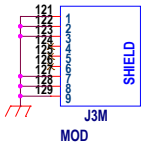
REVISION HISTORY				
ECO	REV	DESCRIPTION	APPROVED	DATE
	3			



LOWER ROW

NOTE: UNLESS OTHERWISE SPECIFIED

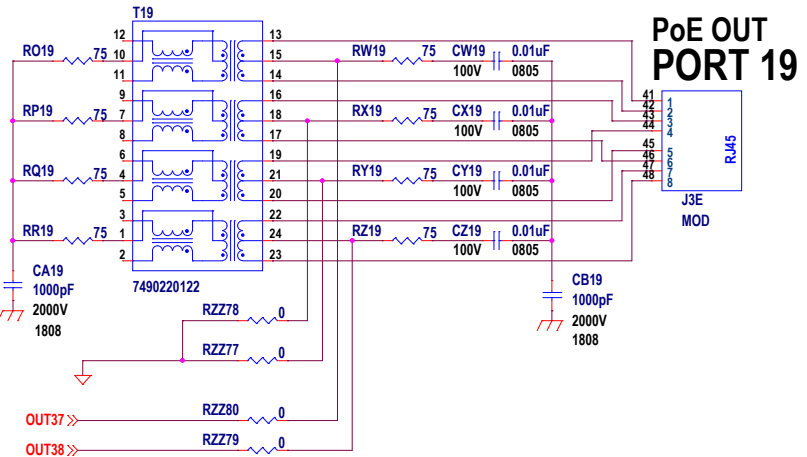
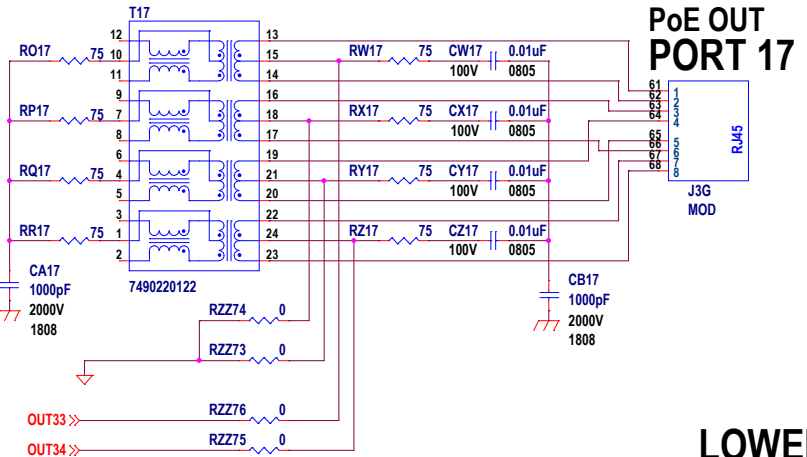
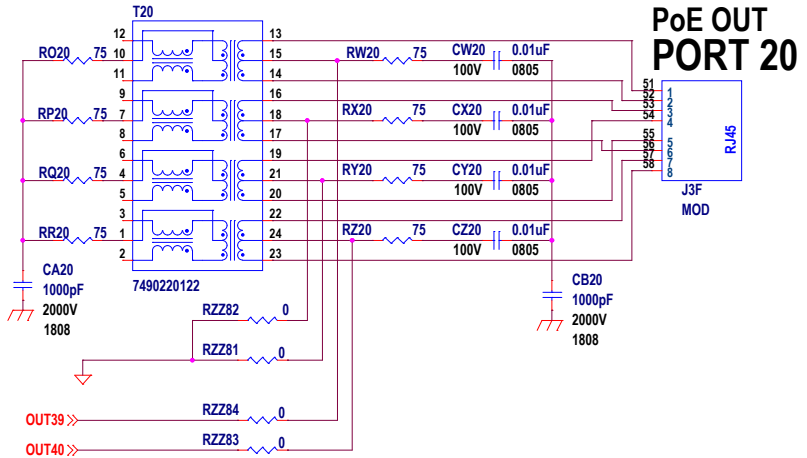
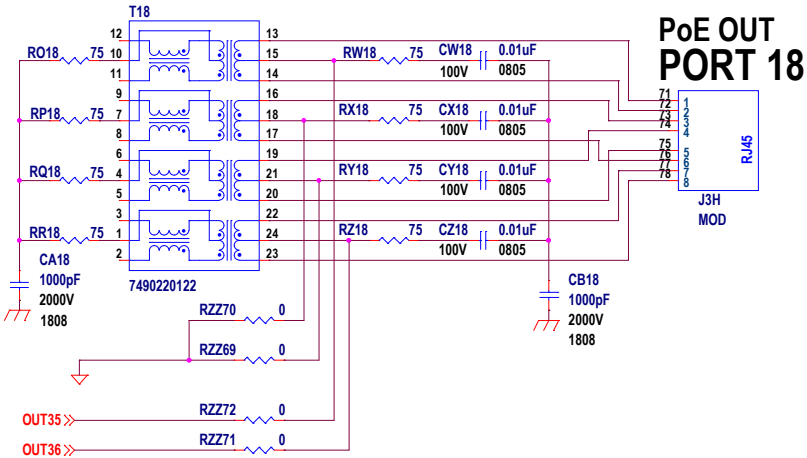
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CUSTOMER NOTICE		APPROVALS		ANALOG DEVICES		POWER BY LINEAR	
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		APP ENG.	ERIC.H				
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		SIZE: N/A		DATE:		SHEET 7 OF 11	

UPPER ROW

REVISION HISTORY				
ECO	REV	DESCRIPTION	APPROVED	DATE
	3			



LOWER ROW

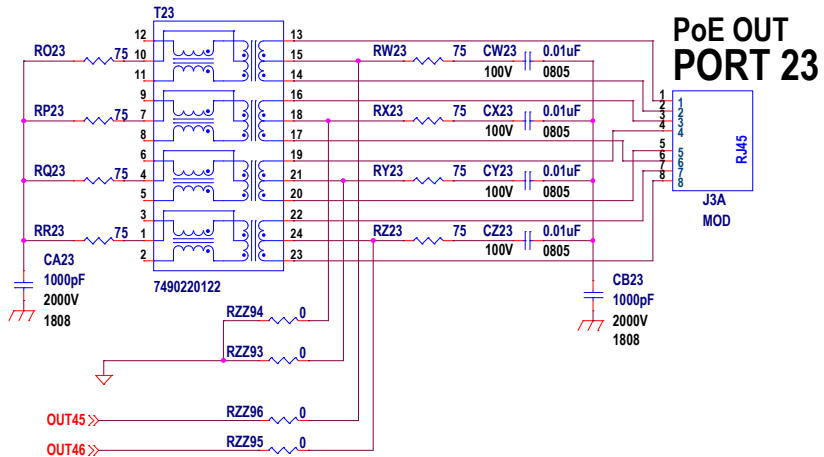
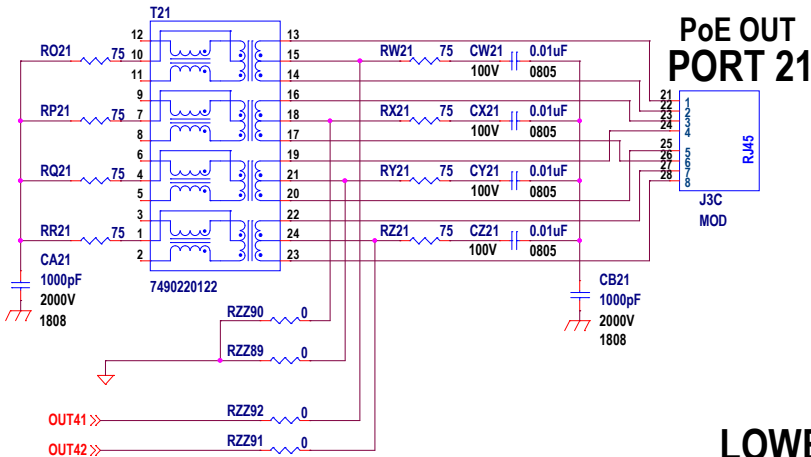
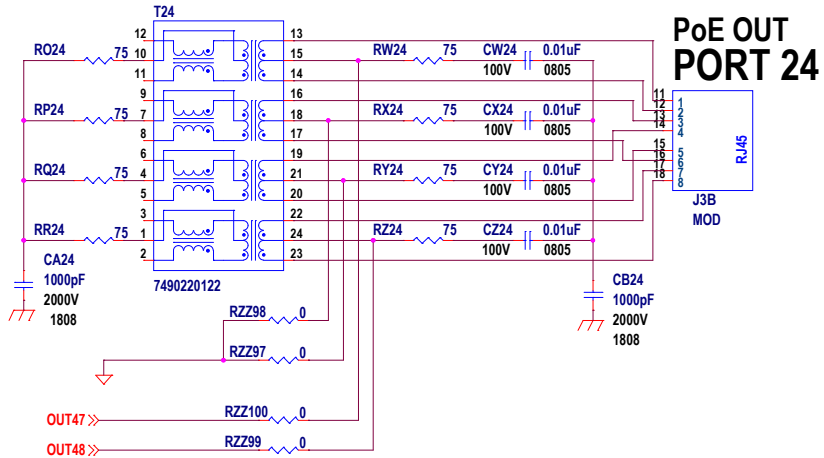
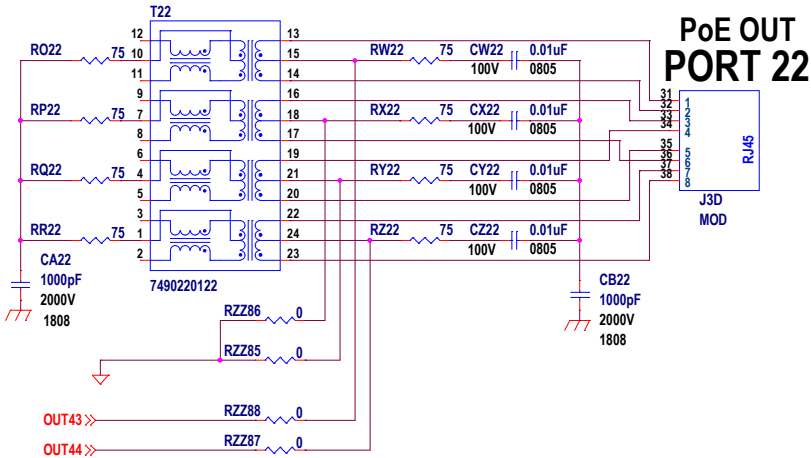
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CUSTOMER NOTICE		APPROVALS		 ANALOG DEVICES		 POWER BY LINEAR	
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		APP ENG.	ERIC.H				
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		IC NO. LTC3639EMSE#TRPBF		SCHEMATIC NO. AND REVISION:			
		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

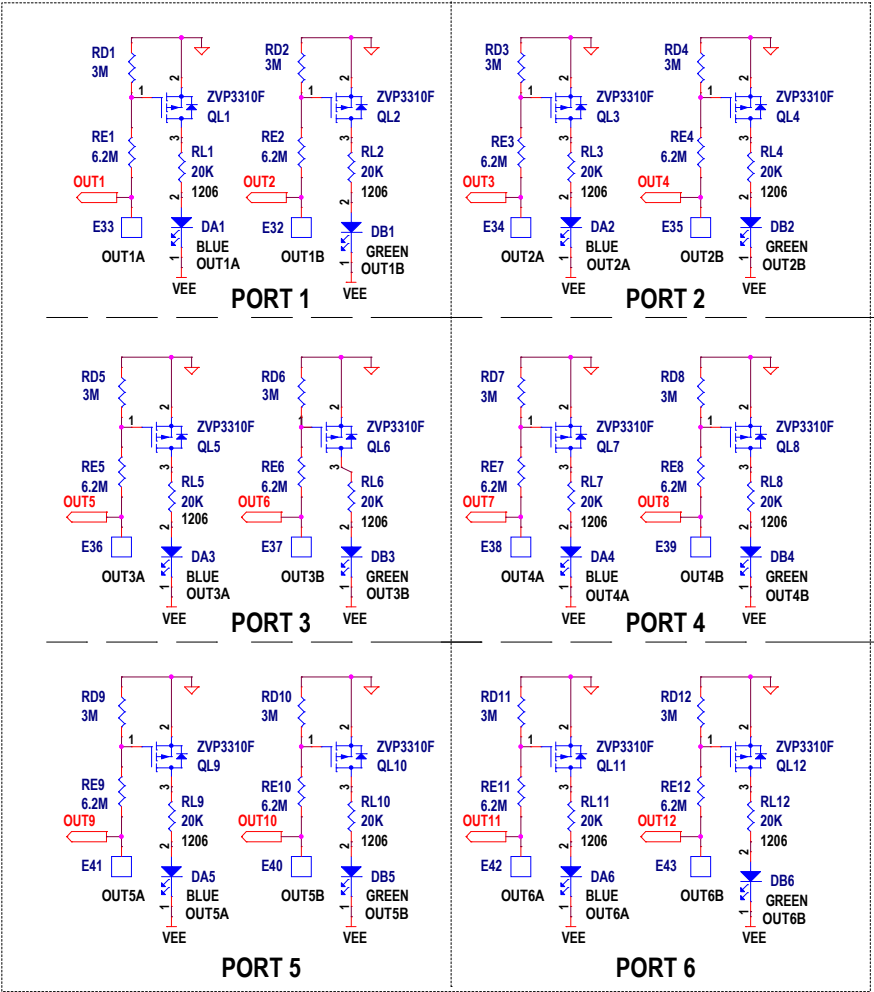
NOTE: UNLESS OTHERWISE SPECIFIED

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

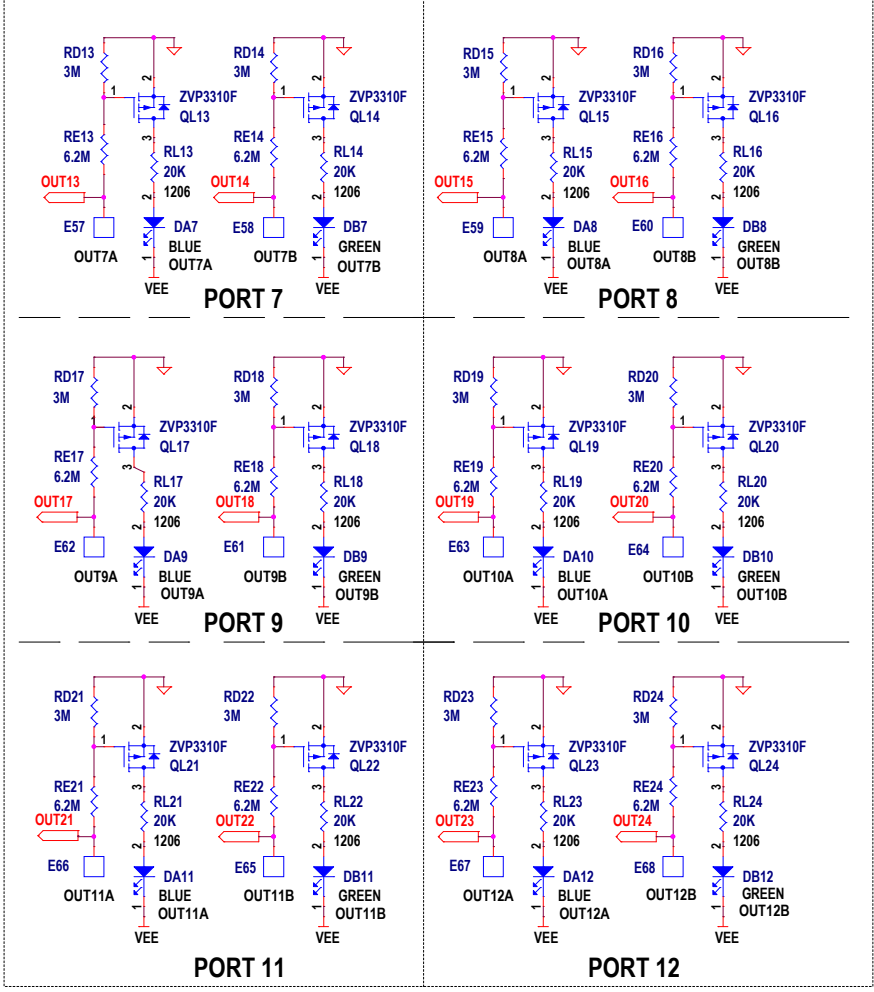
CUSTOMER NOTICE		APPROVALS		ANALOG DEVICES		POWER BY LINEAR	
ANALOG DEVICES HAS MADE A BEST EFFORT TO DESIGN A CIRCUIT THAT MEETS CUSTOMER-SUPPLIED SPECIFICATIONS; HOWEVER, IT REMAINS THE CUSTOMER'S RESPONSIBILITY TO VERIFY PROPER AND RELIABLE OPERATION IN THE ACTUAL APPLICATION. COMPONENT SUBSTITUTION 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				
				www.analog.com		Phone: (408)432-1900	
				TITLE: SCHEMATIC		24-PORT IEEE 802.3bt PSE MOTHER BOARD	
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 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



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.	KENJM
APP ENG.	ERIC.H

POWER BY ANALOG DEVICES LINEAR

www.analog.com Phone: (408)432-1900

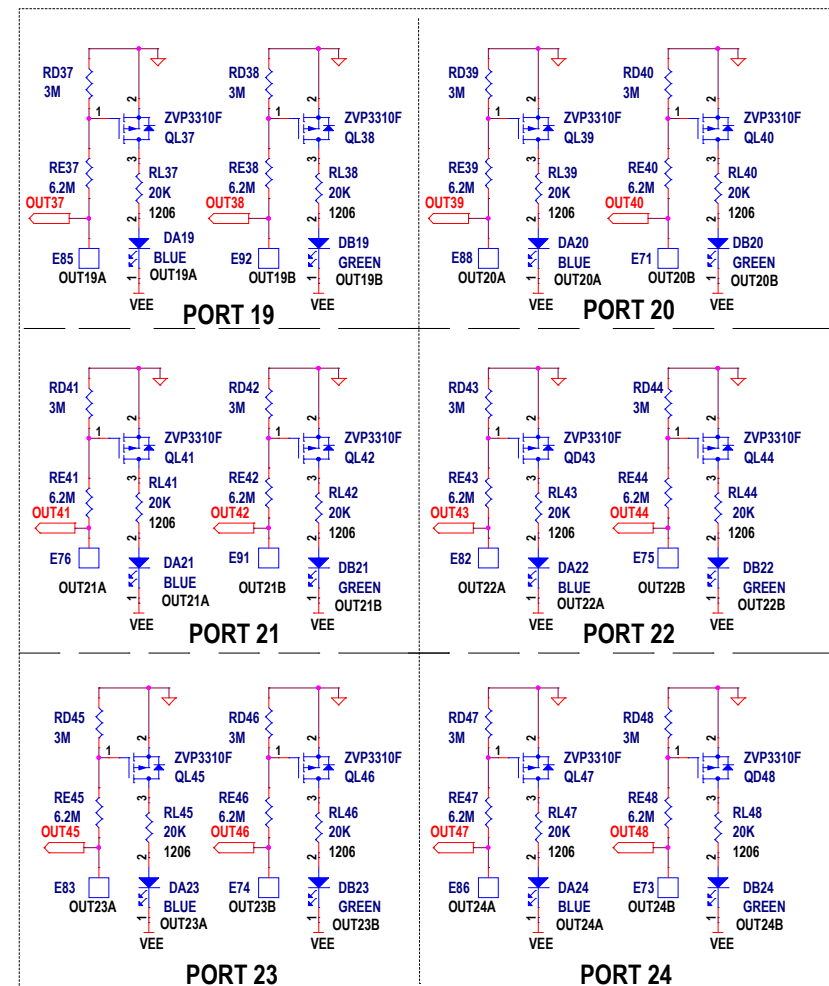
TITLE: SCHEMATIC

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>LTC3839EMSEFTRPBF</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.	LTC3839EMSEFTRPBF	SCHEMATIC NO. AND REVISION:	SKU NO.	DC3017A	710-DC3017A-B_REV03
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