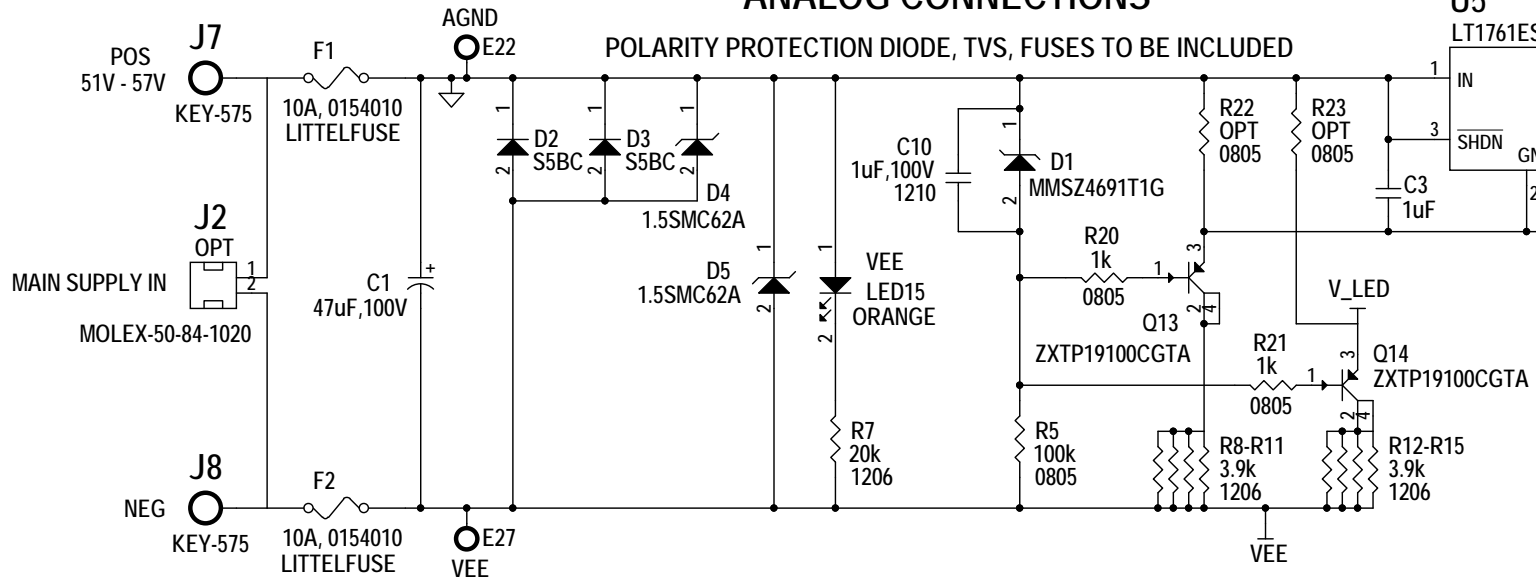
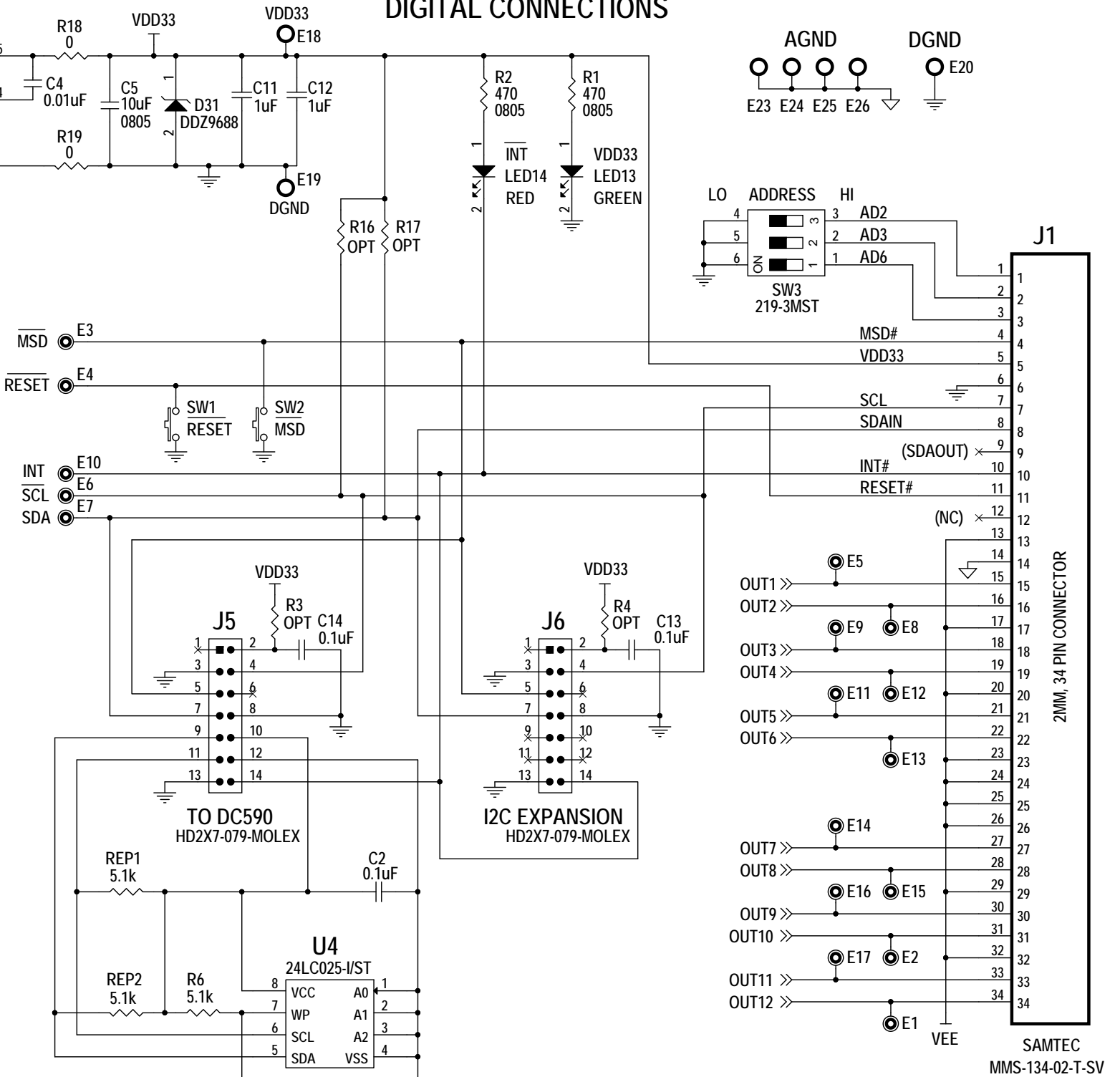


REVISION HISTORY				
ECO	REV	DESCRIPTION	APPROVED	DATE
	2	REBUILD WITH CHANGE	DILIAN R.	09-04-15

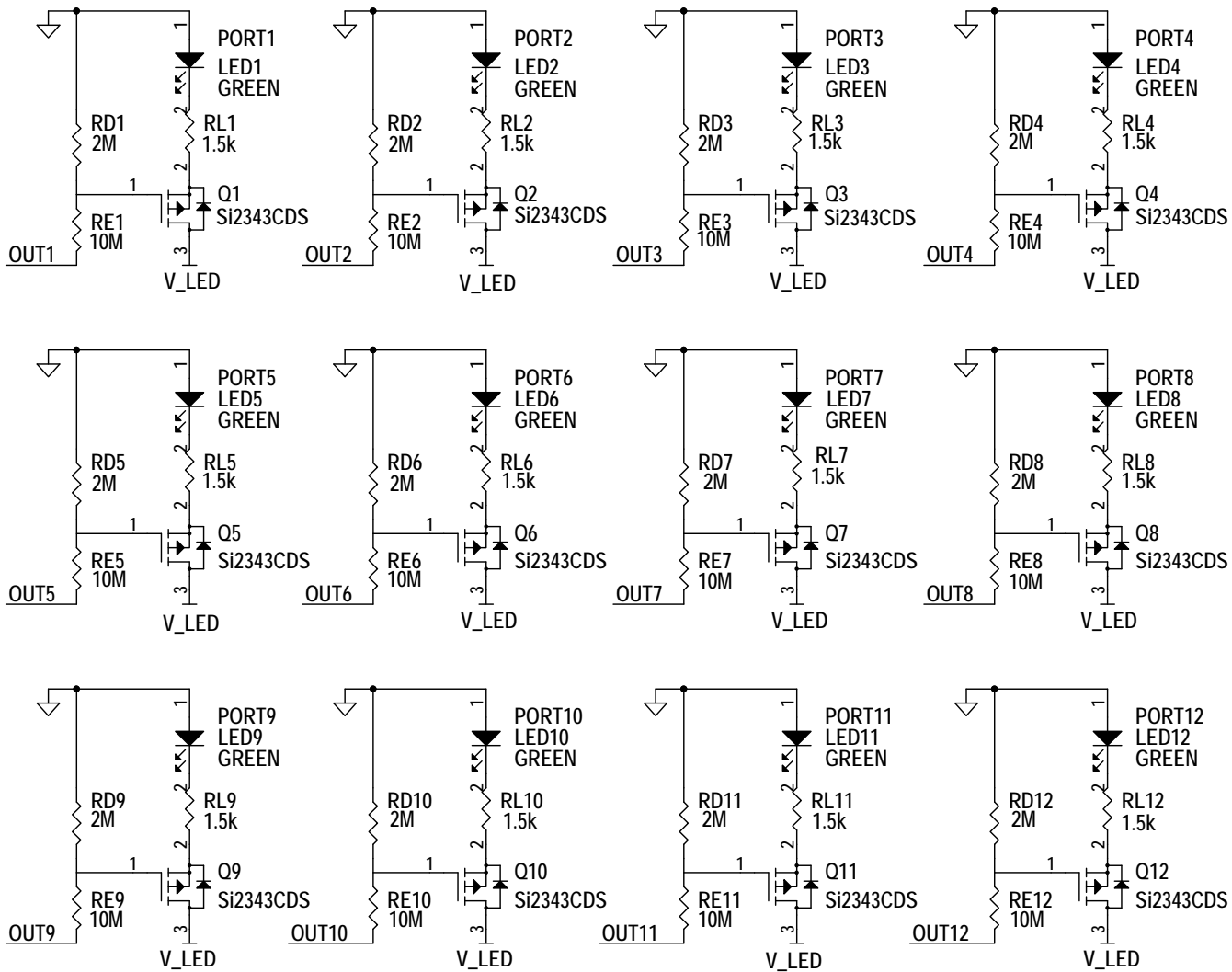
ANALOG CONNECTIONS



DIGITAL CONNECTIONS



OPTIONAL PORT LED DRIVERS

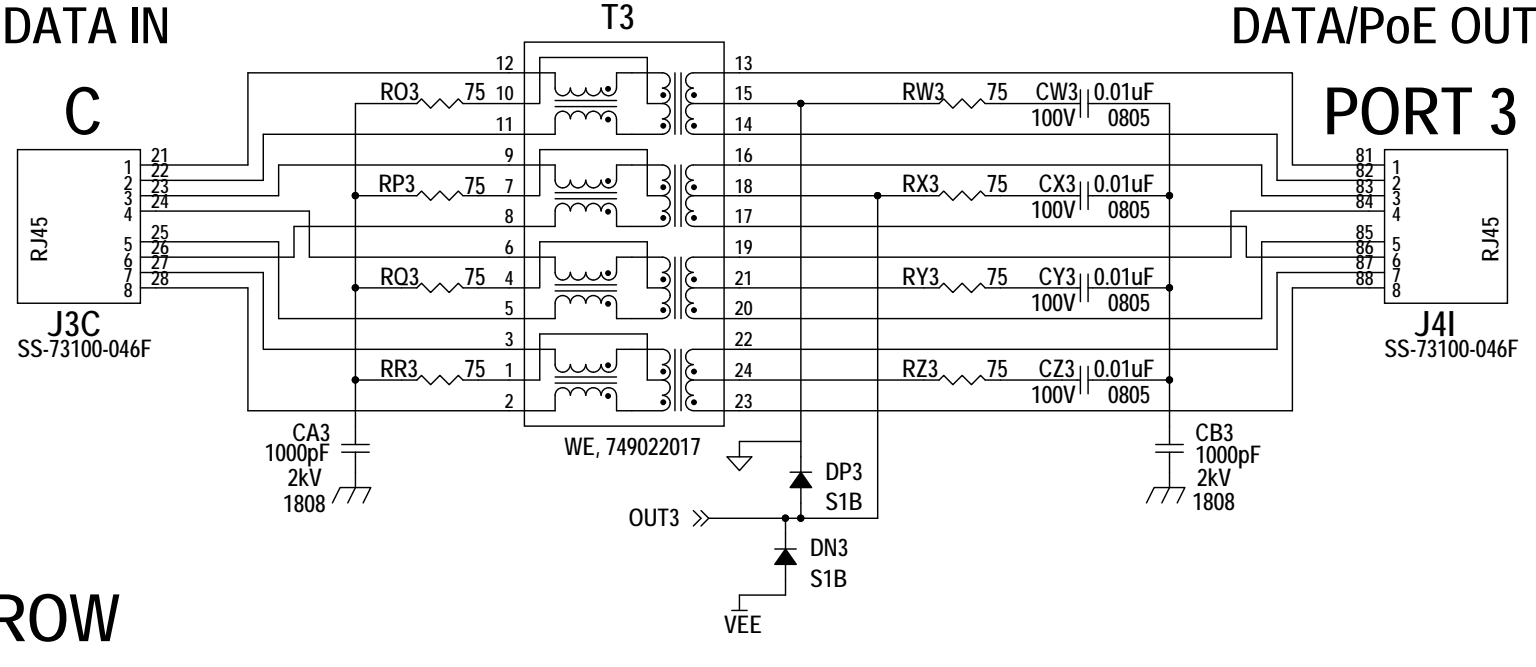
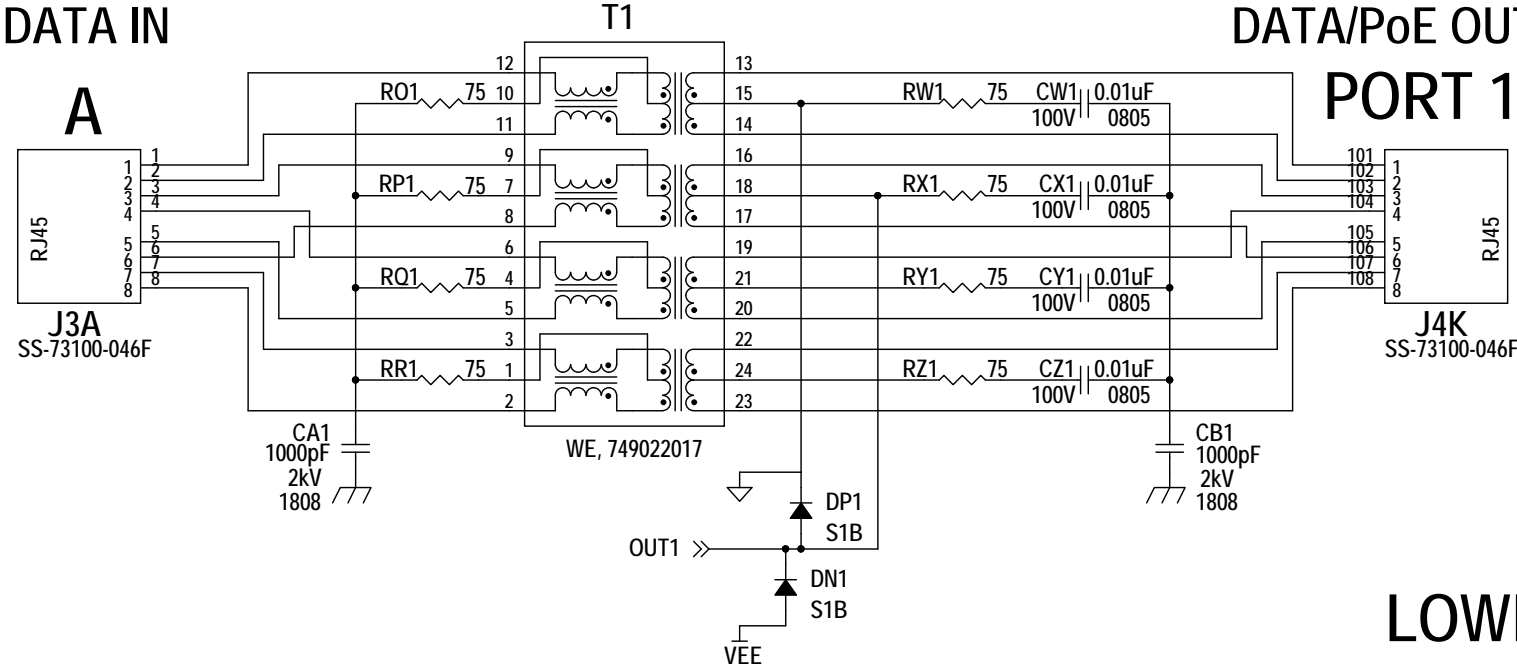
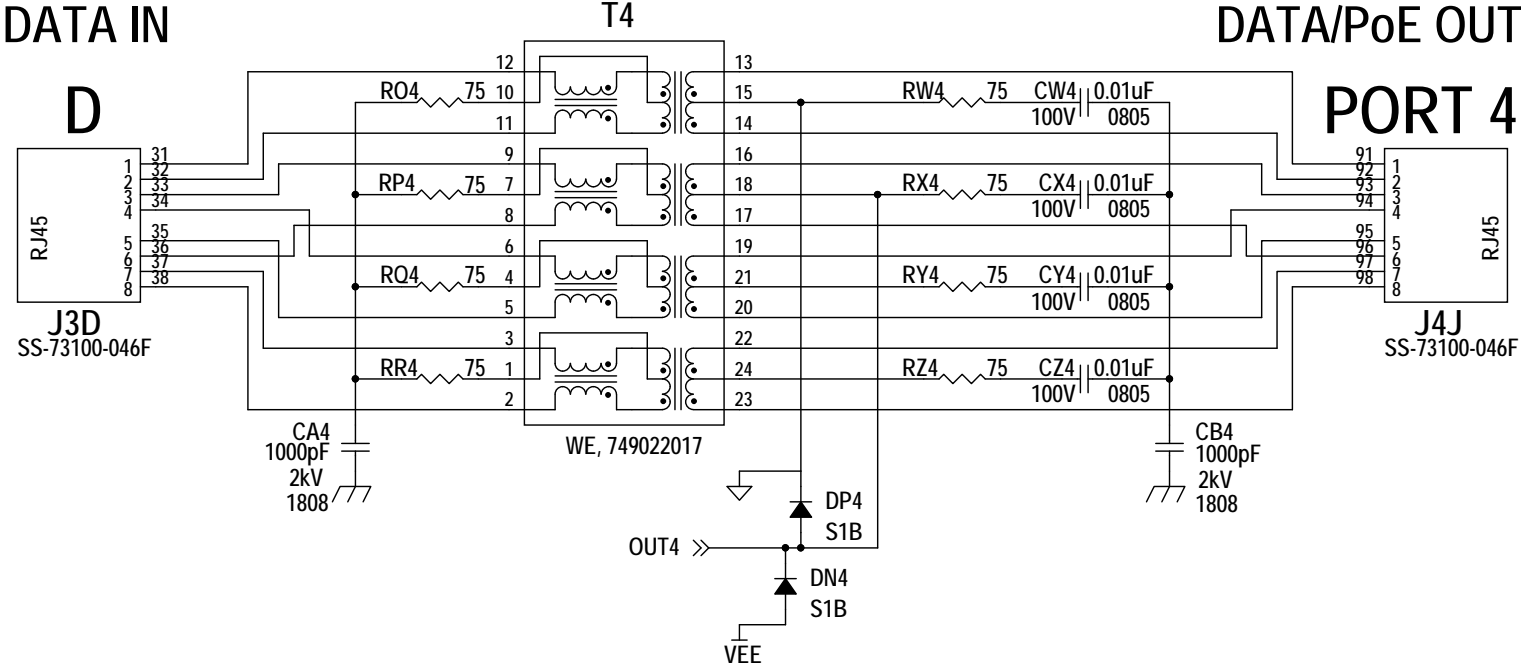
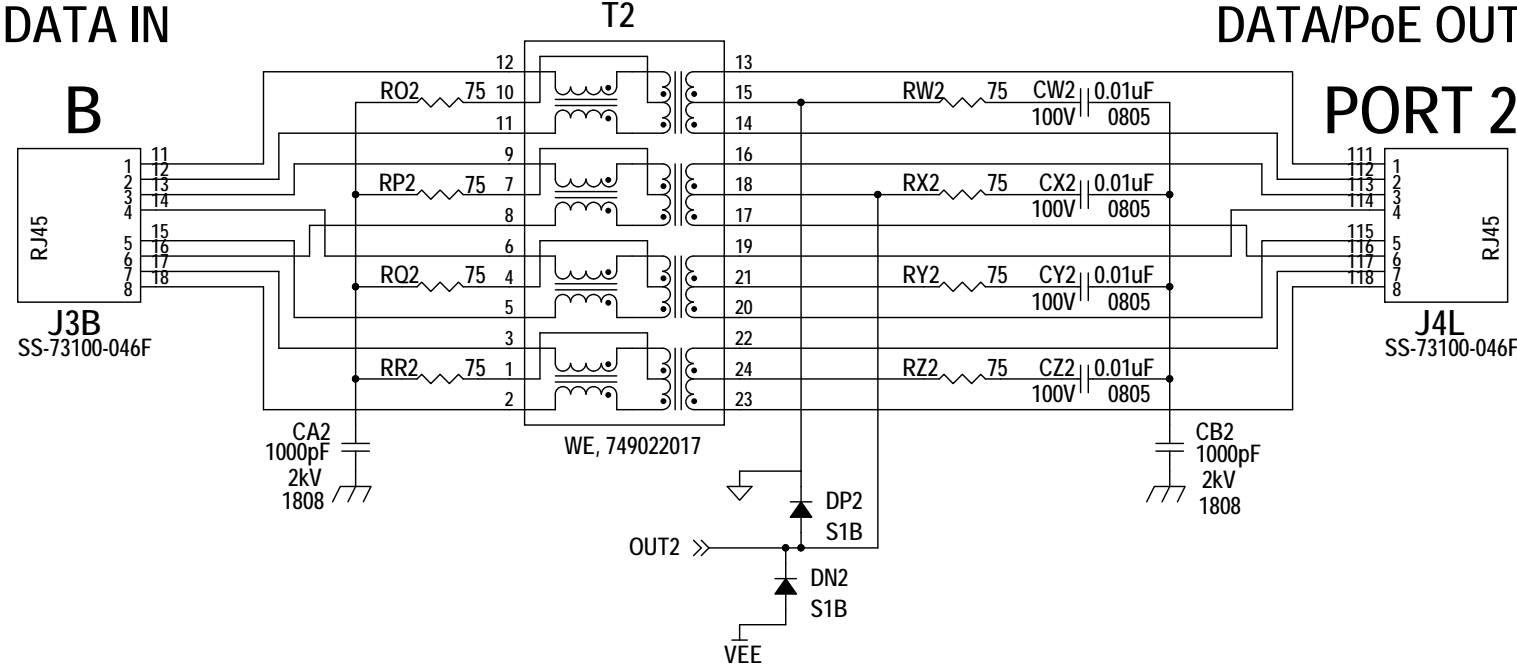


NOTE: UNLESS OTHERWISE SPECIFIED

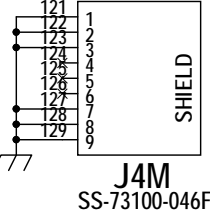
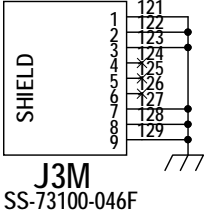
1. ALL RESISTORS AND CAPACITORS ARE 0603.
2. INSTALL SHUNTS AS SHOWN.

CUSTOMER NOTICE		APPROVALS		LINEAR TECHNOLOGY	
LINEAR TECHNOLOGY 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 LINEAR TECHNOLOGY APPLICATIONS ENGINEERING FOR ASSISTANCE.		PCB DES.	KIM T.	1630 McCarthy Blvd. Milpitas, CA 95035 Phone: (408)432-1900 www.linear.com Fax: (408)434-0507 LTC Confidential-For Customer Use Only	
THIS CIRCUIT IS PROPRIETARY TO LINEAR TECHNOLOGY AND SUPPLIED FOR USE WITH LINEAR TECHNOLOGY PARTS.		APP ENG.	DILIAN R.	TITLE: SCHEMATIC	
				12-PORT IEEE802.3at PSE MOTHER BOARD	
				SIZE	IC NO.
				N/A	
		SCALE = NONE		REV. 2	
		DATE: Friday, September 04, 2015		SHEET 1 OF 4	

UPPER ROW

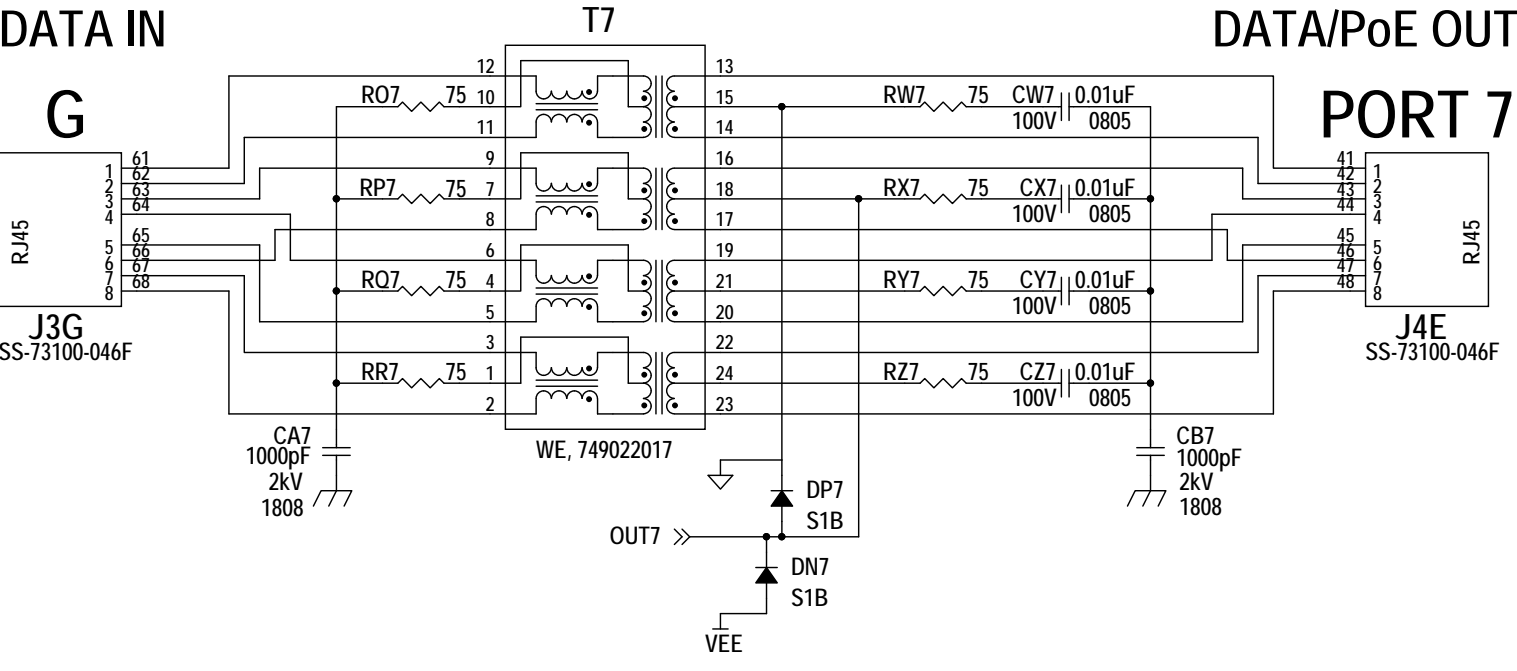
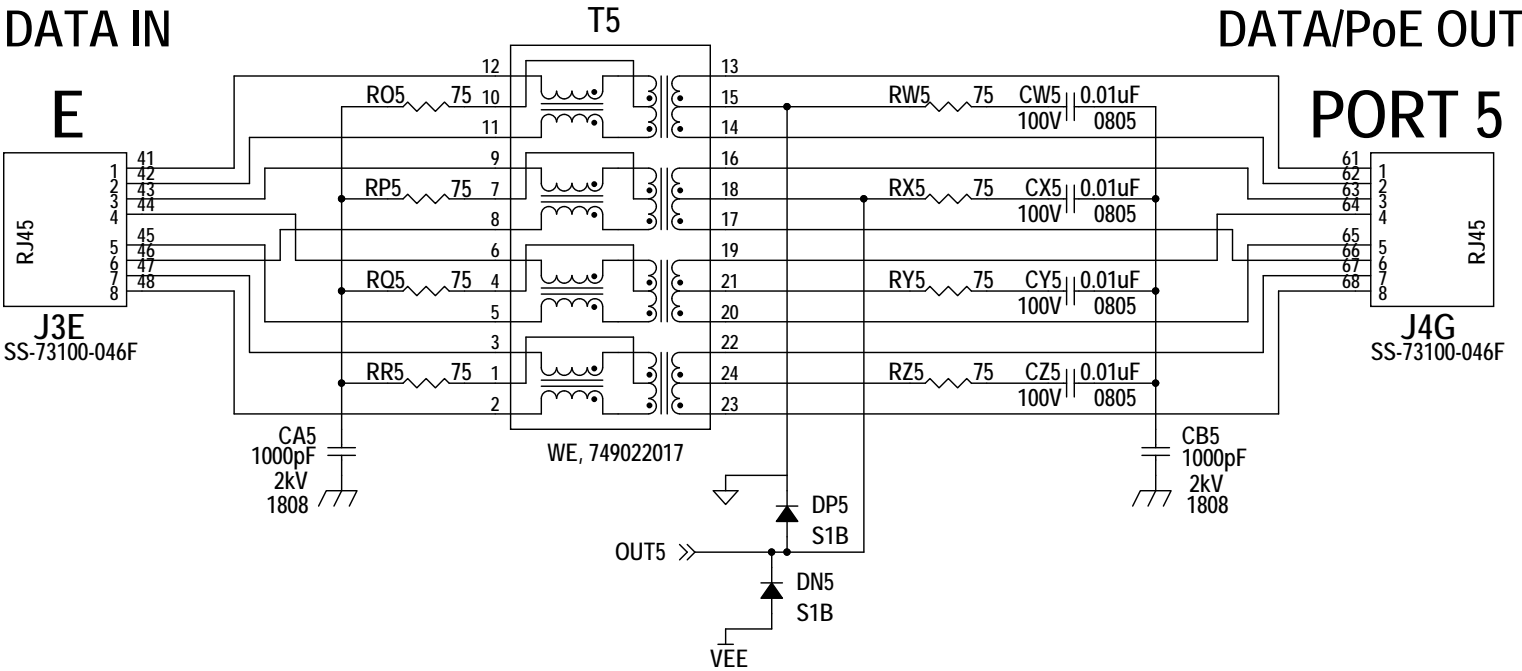
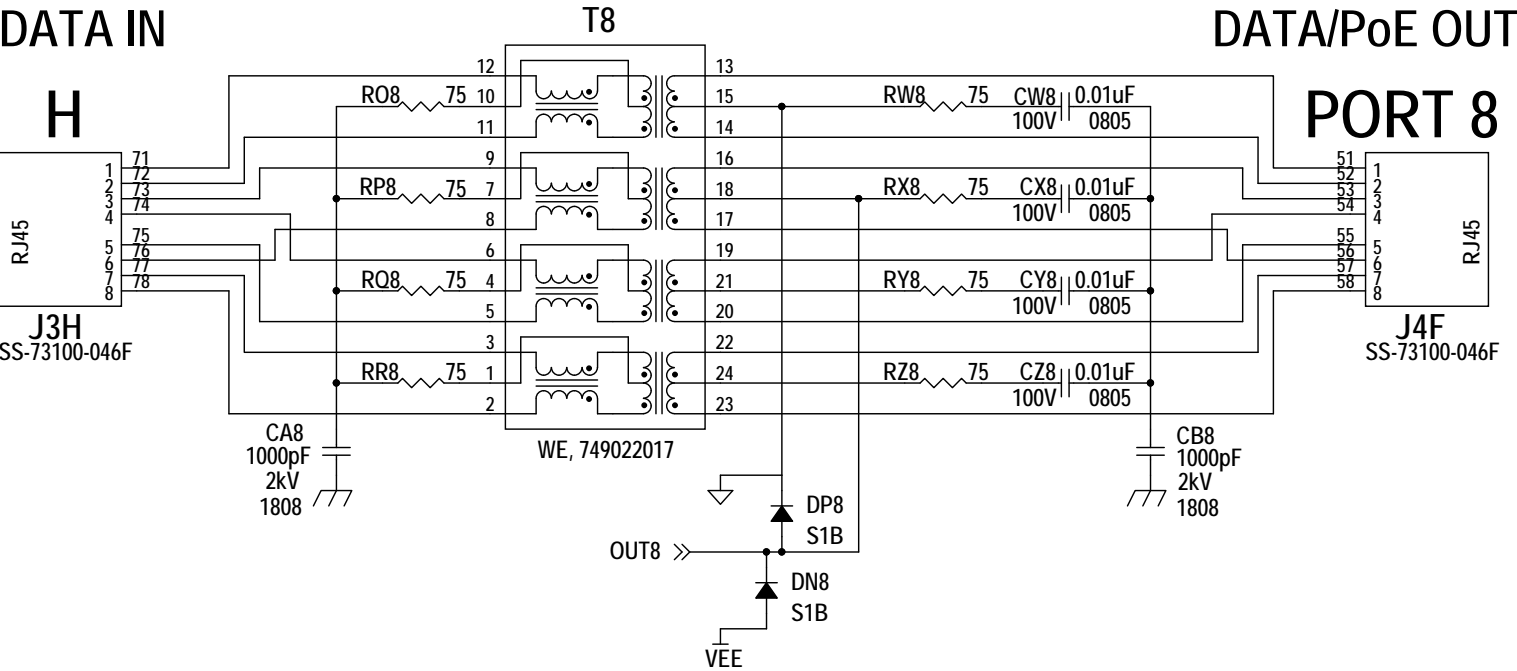
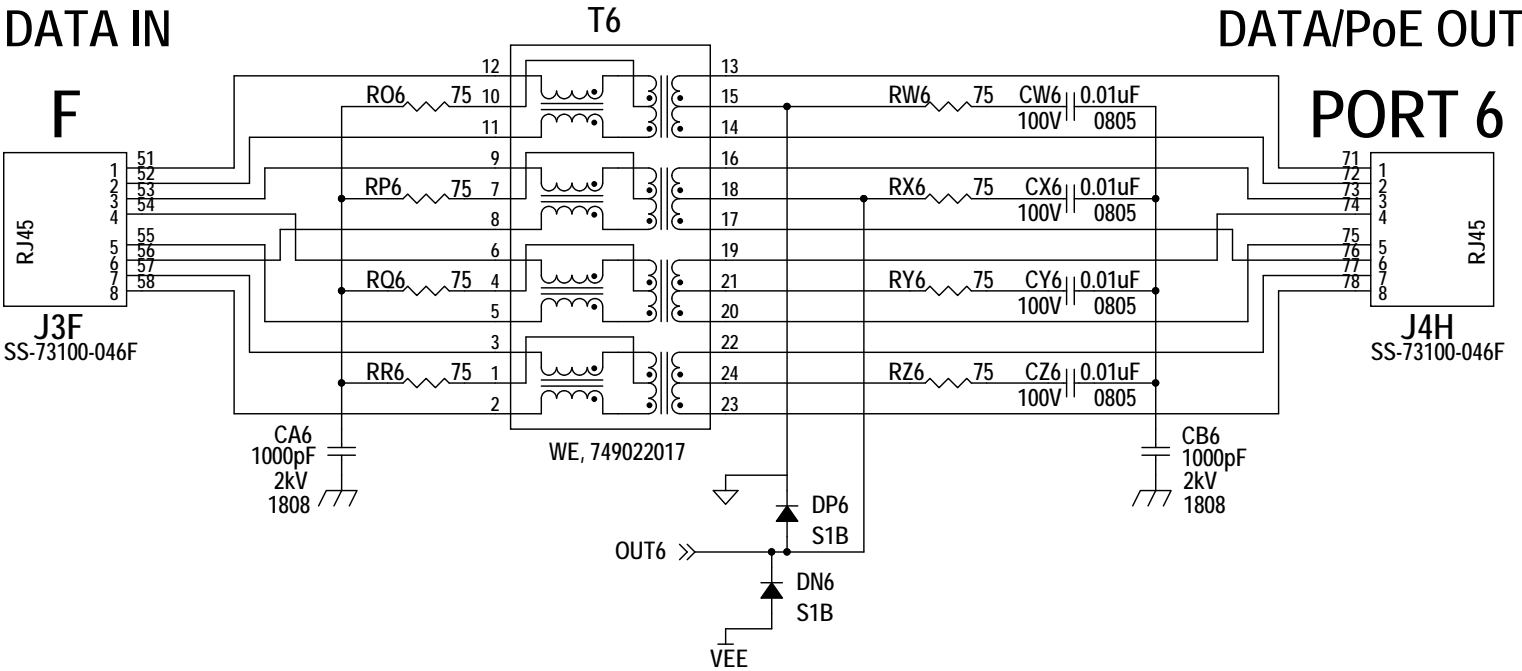


LOWER ROW




CUSTOMER NOTICE		APPROVALS		LINEAR TECHNOLOGY		1630 McCarthy Blvd. Milpitas, CA 95035 Phone: (408)432-1900 www.linear.com Fax: (408)434-0507 LTC Confidential-For Customer Use Only	
LINEAR TECHNOLOGY 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 LINEAR TECHNOLOGY APPLICATIONS ENGINEERING FOR ASSISTANCE.		PCB DES.	KIM T.	TITLE: SCHEMATIC 12-PORT IEEE802.3at PSE MOTHER BOARD		SIZE N/A	
		APP ENG.	DILIAN R.				
THIS CIRCUIT IS PROPRIETARY TO LINEAR TECHNOLOGY AND SUPPLIED FOR USE WITH LINEAR TECHNOLOGY PARTS.		SCALE = NONE		DATE: Friday, September 04, 2015		SHEET 2 OF 4	
				IC NO.		REV. 2	
				DEMO CIRCUIT 1680B			

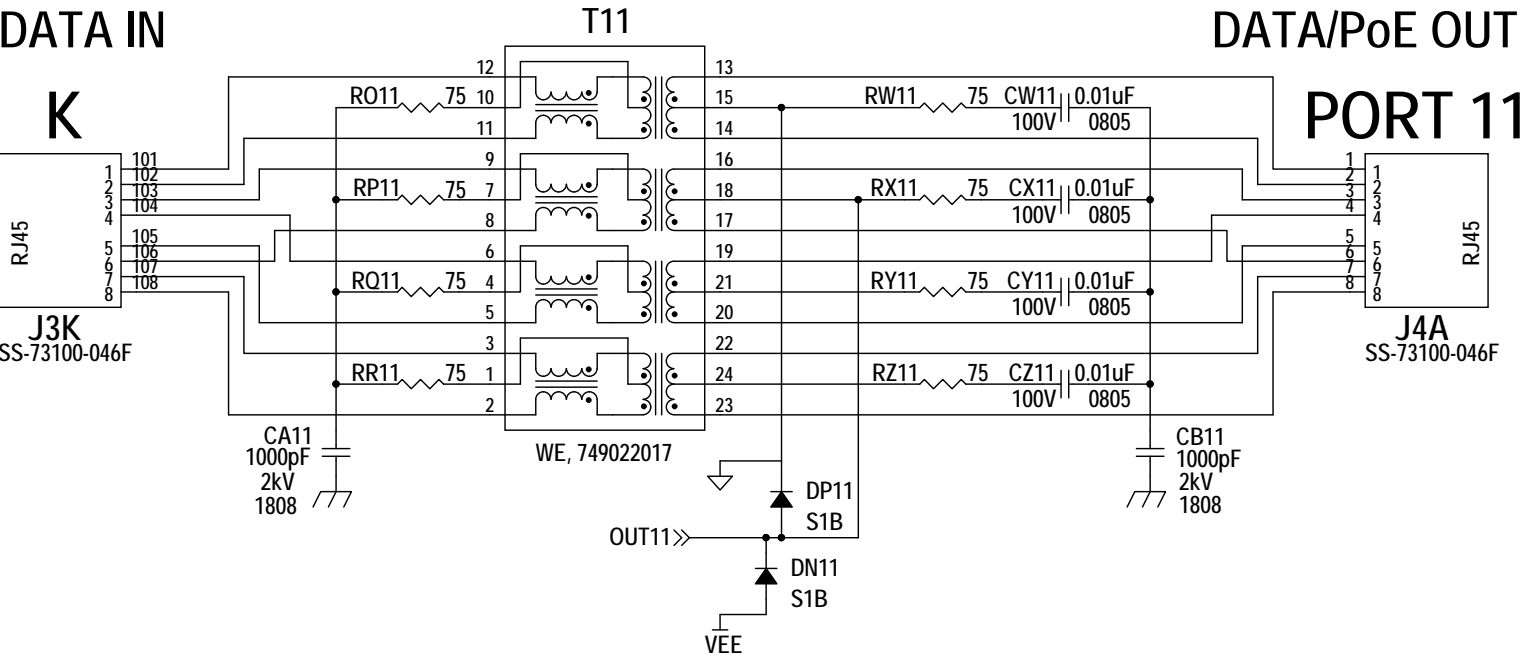
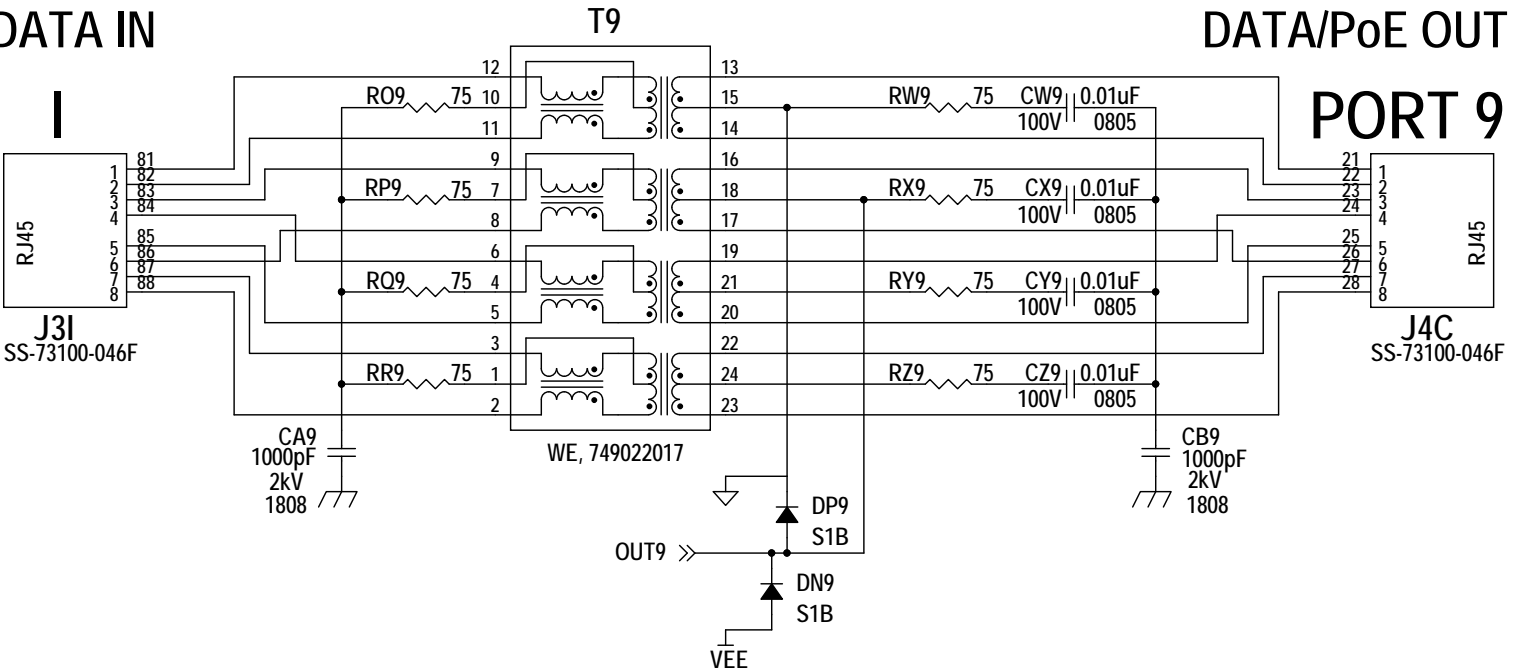
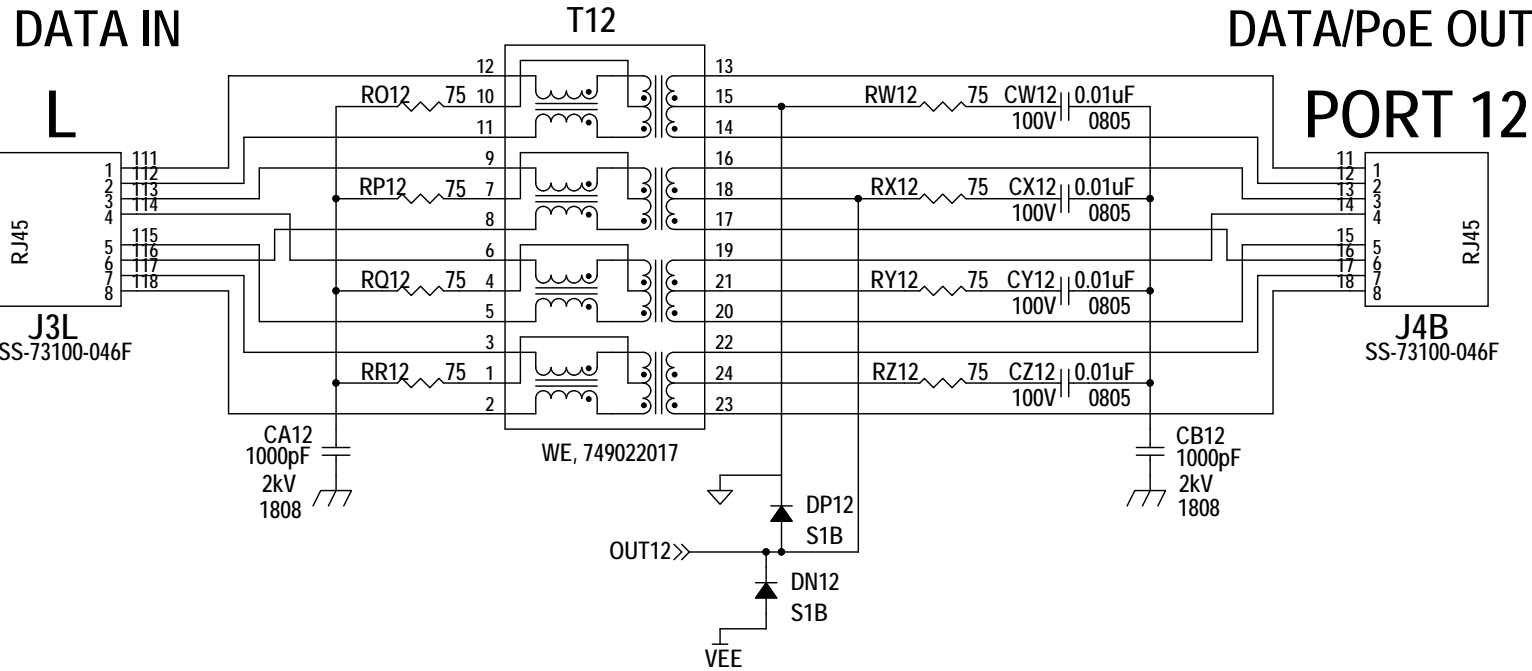
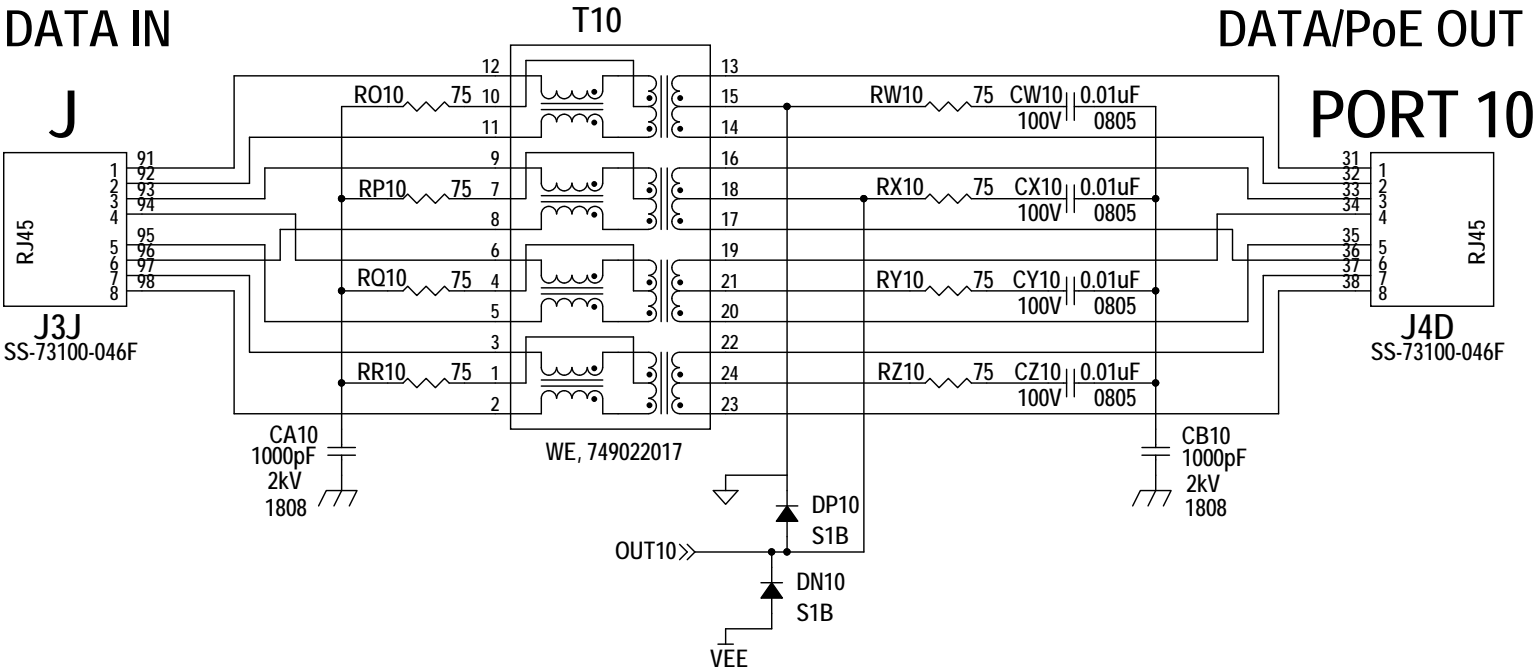
UPPER ROW




LOWER ROW

<div>CUSTOMER NOTICE</div> <div>LINEAR TECHNOLOGY 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 LINEAR TECHNOLOGY APPLICATIONS ENGINEERING FOR ASSISTANCE.</div>	APPROVALS		<div> LINEAR TECHNOLOGY</div> <div>1630 McCarthy Blvd. Milpitas, CA 95035 Phone: (408)432-1900 www.linear.com Fax: (408)434-0507 LTC Confidential-For Customer Use Only</div>		
	PCB DES.	KIM T.			
	APP ENG.	DILIAN R.	TITLE: SCHEMATIC		
			12-PORT IEEE802.3at PSE MOTHER BOARD		
			SIZE	IC NO.	REV.
			N/A	DEMO CIRCUIT 1680B	2
THIS CIRCUIT IS PROPRIETARY TO LINEAR TECHNOLOGY AND SUPPLIED FOR USE WITH LINEAR TECHNOLOGY PARTS.	SCALE = NONE		DATE: Friday, September 04, 2015		SHEET 3 OF 4

UPPER ROW



LOWER ROW

<div>CUSTOMER NOTICE</div> <div>LINEAR TECHNOLOGY 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 LINEAR TECHNOLOGY APPLICATIONS ENGINEERING FOR ASSISTANCE.</div> <div>THIS CIRCUIT IS PROPRIETARY TO LINEAR TECHNOLOGY AND SUPPLIED FOR USE WITH LINEAR TECHNOLOGY PARTS.</div>	APPROVALS		<div> LINEAR TECHNOLOGY</div> <div>1630 McCarthy Blvd. Milpitas, CA 95035 Phone: (408)432-1900 www.linear.com Fax: (408)434-0507 LTC Confidential-For Customer Use Only</div>		
	PCB DES.	KIM T.			
	APP ENG.	DILIAN R.	TITLE: SCHEMATIC		
			12-PORT IEEE802.3at PSE MOTHER BOARD		
			SIZE N/A	IC NO. <div>DEMO CIRCUIT 1680B</div>	REV. 2
			DATE: Friday, September 04, 2015		SHEET 4 OF 4
	SCALE = NONE				