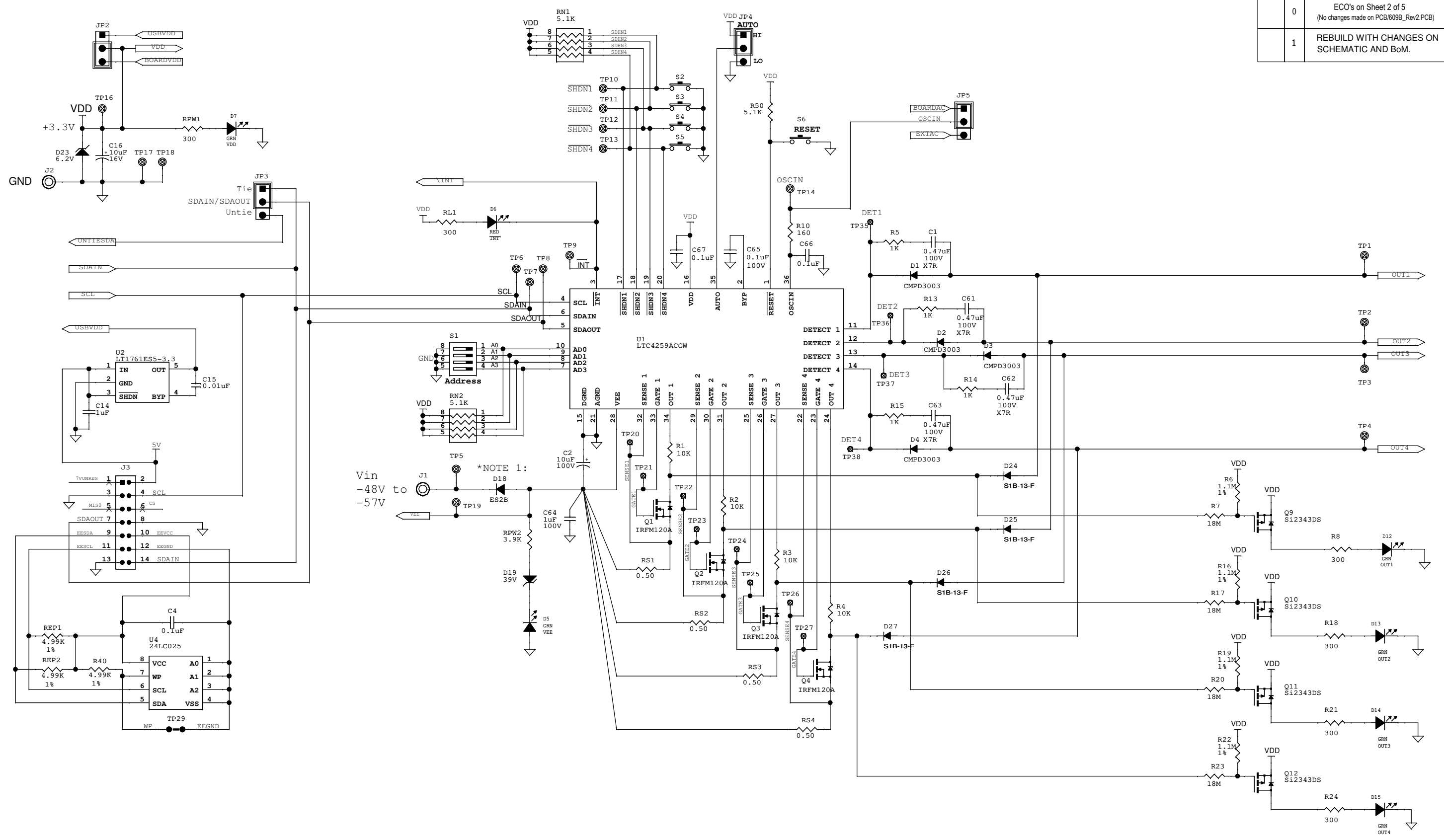
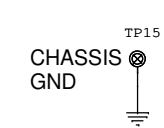


REVISION HISTORY				
ECO	REV	DESCRIPTION	DATE	APPROVED
<ECO#>	0			
	0	ECO's on Sheet 2 of 5 (No changes made on PCB:609B_Rev2.PCB)	11/25/06	Dilian Reyes
	1	REBUILD WITH CHANGES ON SCHEMATIC AND BoM.	02/04/10	Dilian Reyes



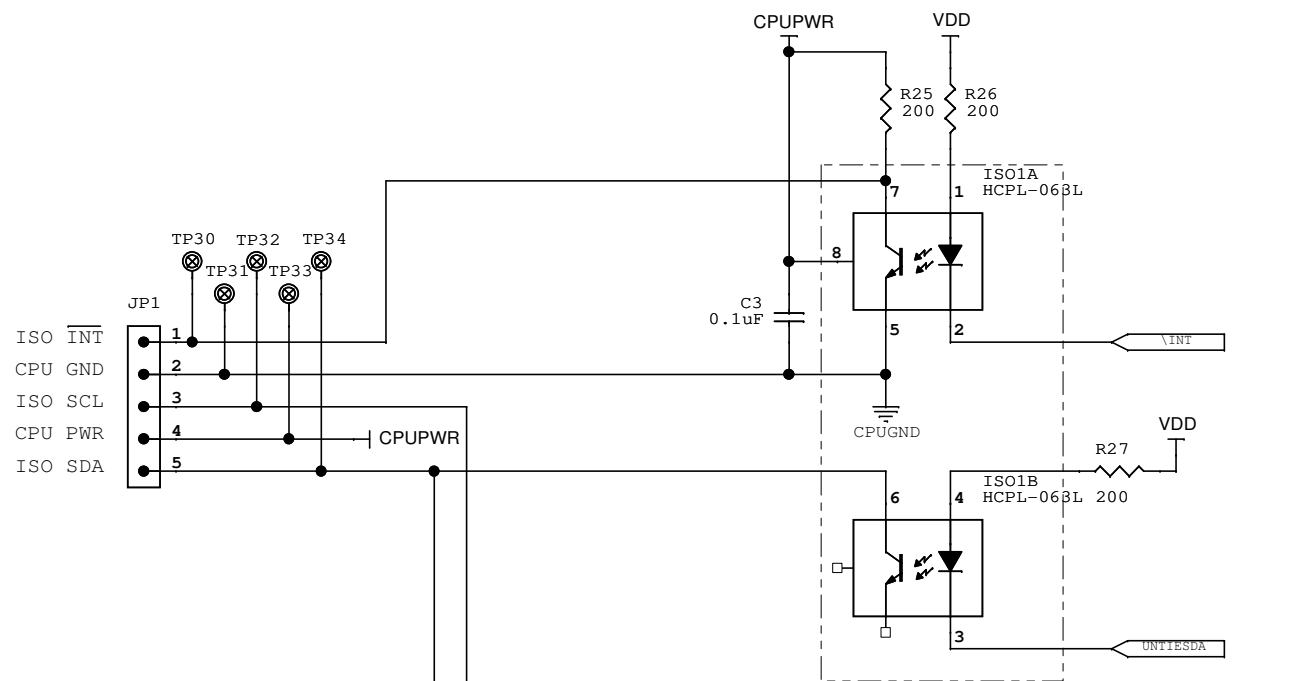
*NOTE 1:
Vin
-48V to
-57V

NOTE 1: Diode (D18) for polarity protection on demoboard only-not needed in final design.

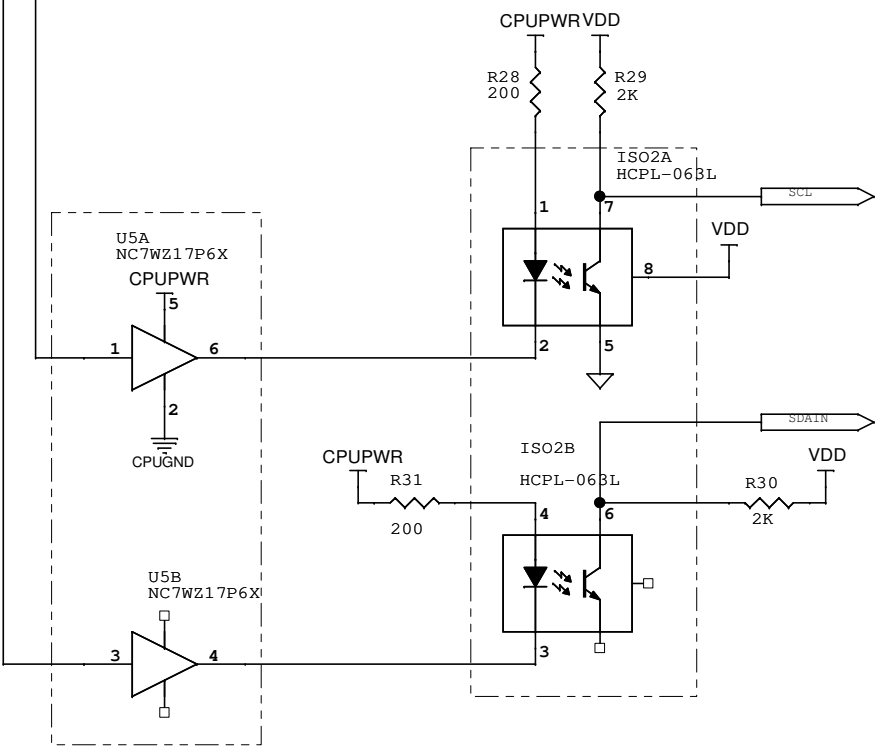


This circuit is proprietary to Linear Technology and supplied for use with Linear Technology parts.
Customer Notice: Linear Technology has made a best effort to design a circuit that meets customer-supplied specifications; however, it remains the customers responsibility to verify proper and reliable operation in the actual application. Component substitution and printed circuit board layout may significantly affect circuit performance or reliability. Contact Linear Applications Engineering for assistance.

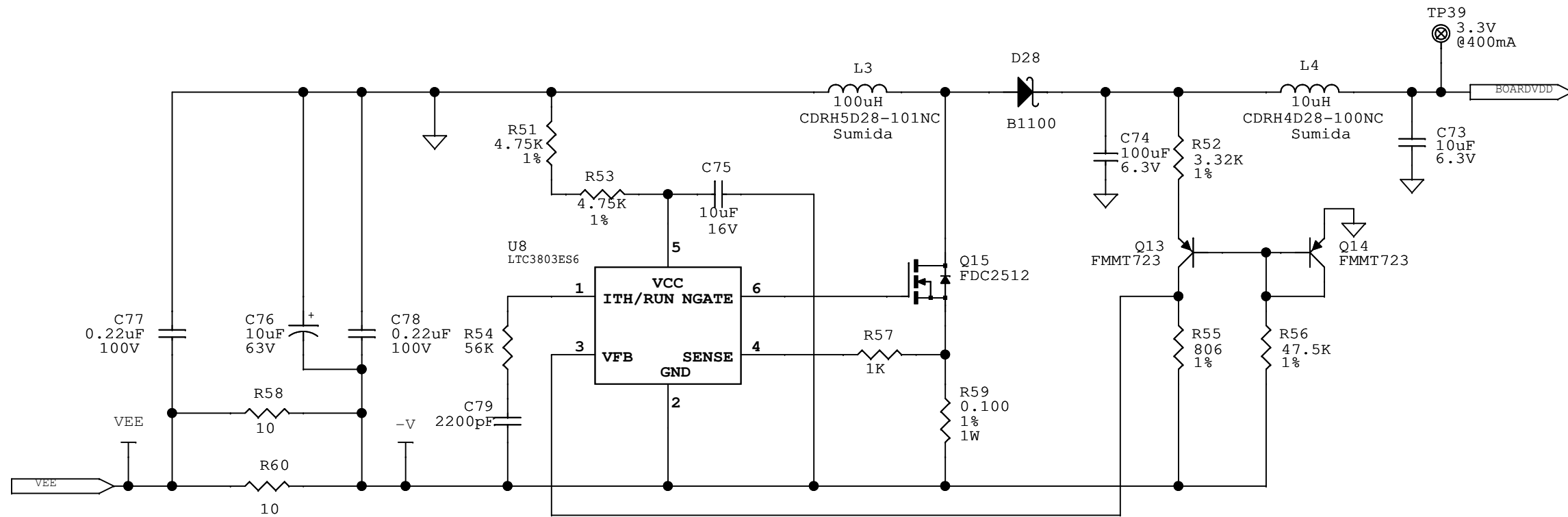
APPROVALS		LINEAR TECHNOLOGY CORPORATION	
DRAWN: Rudy Bautista	ENGINEER: Dilian Reyes	1630 MCCARTHY BLVD MILPITAS, CA. 95035 (408) 432-1900 (408) 434-0507 (FAX)	www.linear.com LTC Confidential - For Customer Use Only
APPROVED:	CHECKED:	Quad Powered Ethernet Controller w/AC Disconnect	
DCxxxx_00_PCB	xxxx_x_DSN	Size: Document Number	Demo Circuit 609C
Date: Friday, August 13, 2010	Sheet 1 of 5	Rev 1	



OPTIONAL CIRCUIT



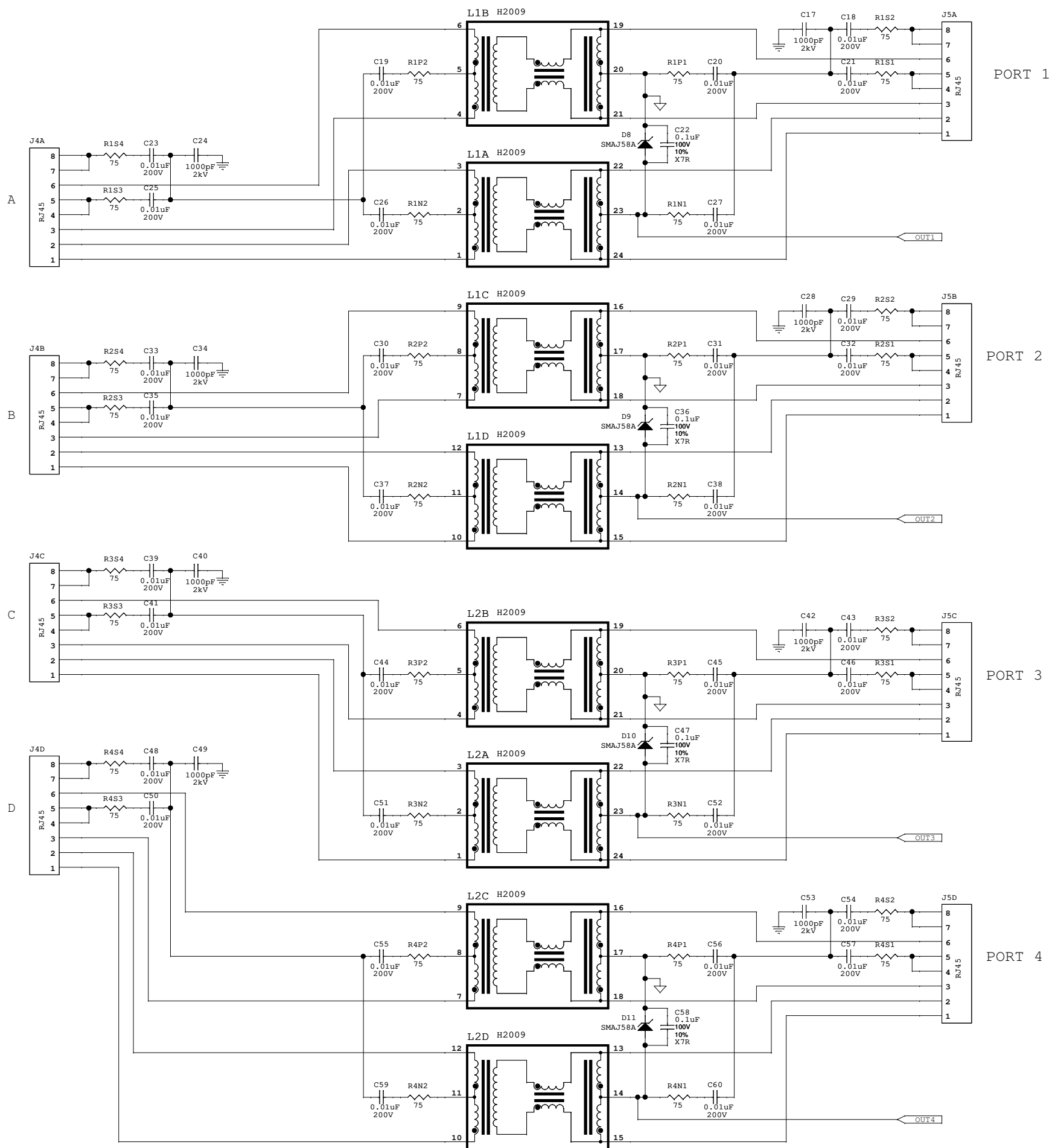
APPROVALS		LINEAR TECHNOLOGY CORPORATION	
DRAWN: Rudy Bautista		1630 McCARTHY BLVD www.linear.com	
ENGINEER: Dilian Reyes		MILPITAS, CA. 95035 (408) 432-1900 LTC Confidential -	
APPROVED:		(408) 434-0507 (FAX) For Customer Use Only	
CHECKED:		Title Quad Powered Ethernet Controller w/AC Disconnect	
DCxxxA_00.PCB xxxA_x.DSN		Size Document Number	Rev 1
		Date: Friday, August 13, 2010	Sheet 2 of 5



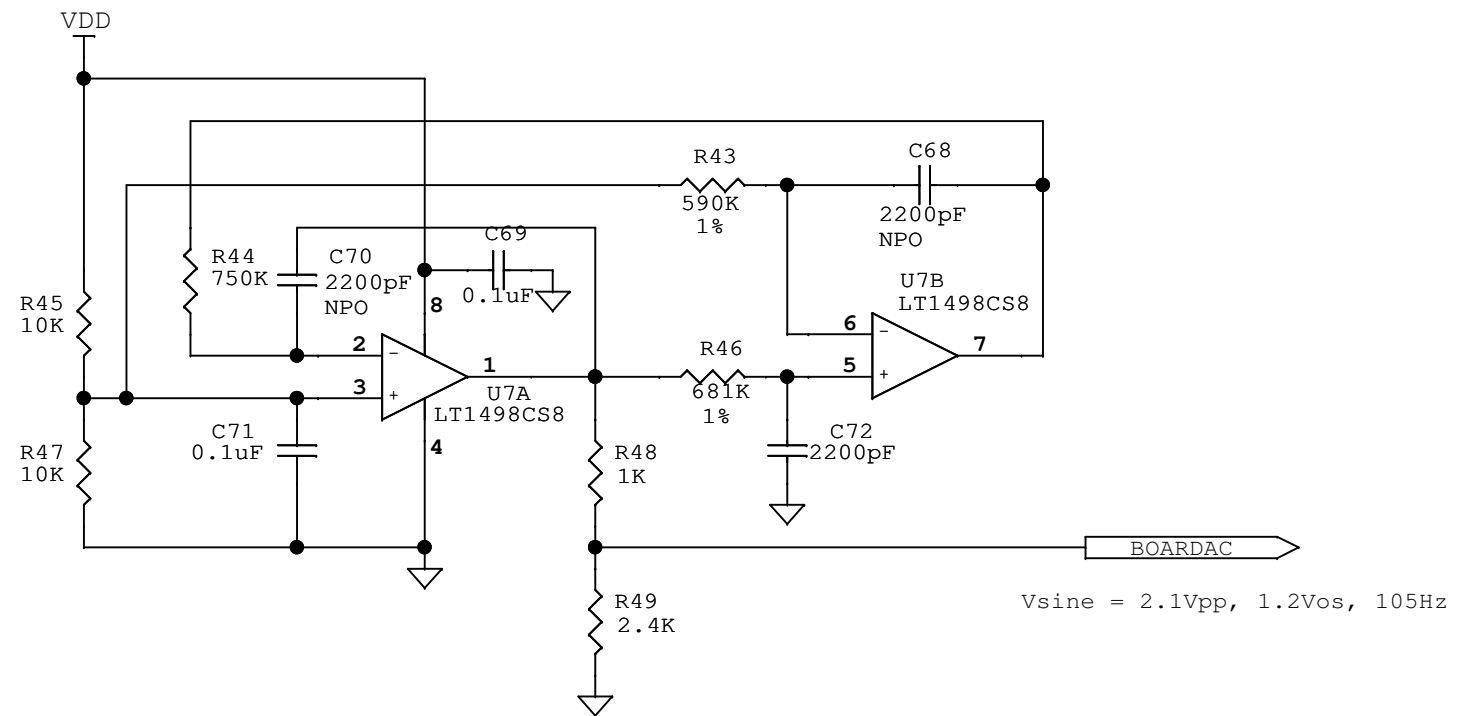
APPROVALS		LINEAR TECHNOLOGY CORPORATION 1630 McCARTHY BLVD MILPITAS, CA. 95035 www.linear.com	
DRAWN: Rudy Bautista		(408) 432-1900 LITC Confidential -	
ENGINEER: Dilian Reyes		(408) 434-0507 (FAX) For Customer Use Only	
APPROVED:		Title Quad Powered Ethernet Controller w/AC Disconnect	
CHECKED:		Size	Document Number
DCxxxA_00.PCB xxxA_x.DSN		Demo Circuit 609C	
Date: Friday, August 13, 2010		Sheet	3 of 5
		Rev	1

IN
FROM
PHY

OUT
TO
PD



APPROVALS		LINEAR TECHNOLOGY CORPORATION	
DRAWN: Rudy Bautista	1630 McCARTHY BLVD	MILPITAS, CA. 95035	www.linear.com
ENGINEER: Dilian Reyes	(408) 432-1900	LTC Confidential - For Customer Use Only	
APPROVED:	Title: Quad Powered Ethernet Controller w/AC Disconnect		
CHECKED:	Size	Document Number	Demo Circuit 609C
DCxxxxA_00_PCB	xxxxA_x_DS8	Date: Friday, August 13, 2010	Sheet 4 of 5



APPROVALS

DRAWN: Rudy Bautista

ENGINEER: Dilian Reyes

APPROVED:

CHECKED:

DCxxxA_00.PCB xxxA_x.DSN

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Title **Quad Powered Ethernet Controller w/AC Disconnect**

Size Document Number **Demo Circuit 609C** Rev **1**

Date: Friday, August 13, 2010 Sheet 5 of 5