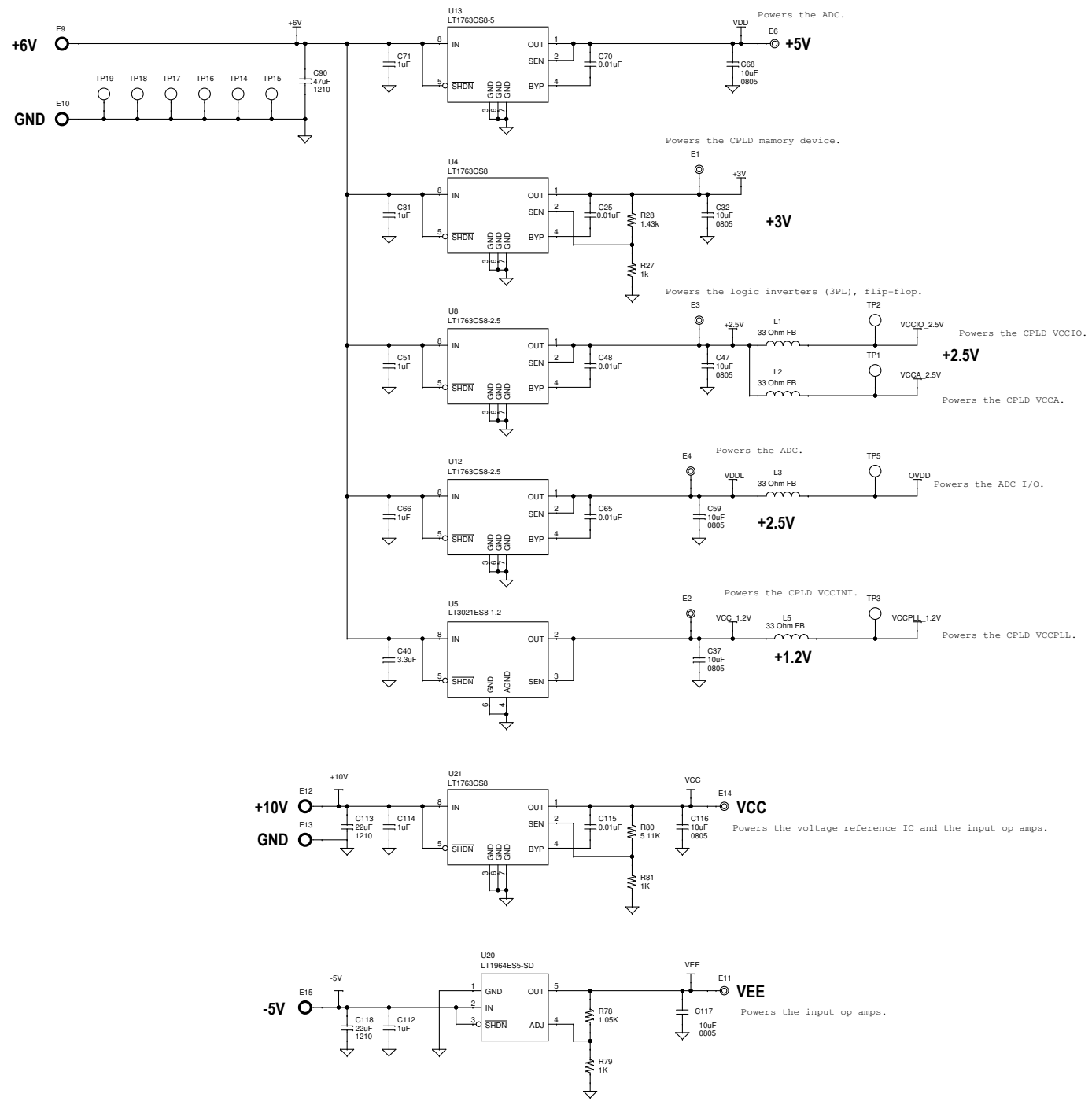
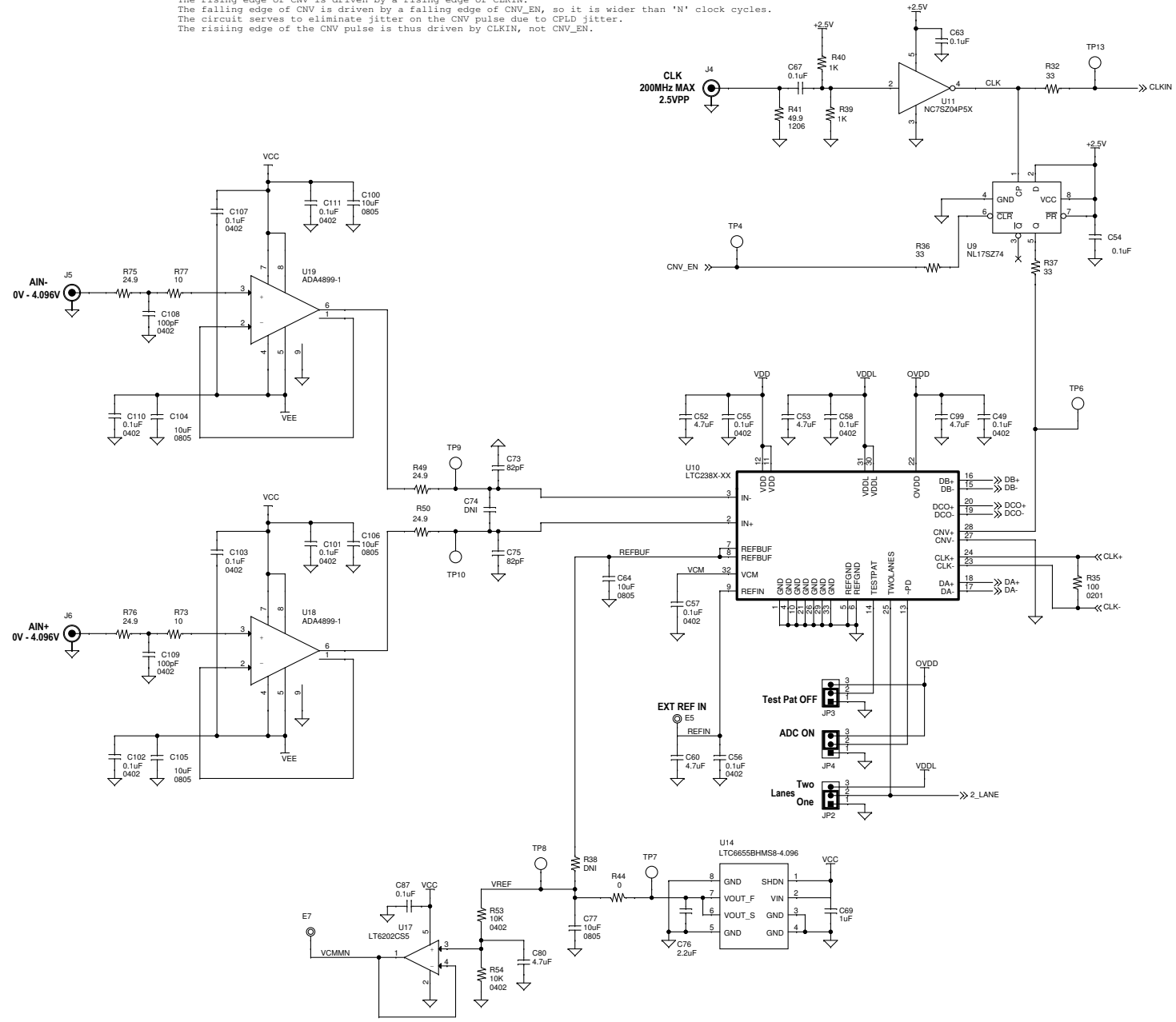


REVISION HISTORY				
ECO	REV	DESCRIPTION	APPROVED	DATE
	0	PRODUCTION	DOUG S.	08-26-13



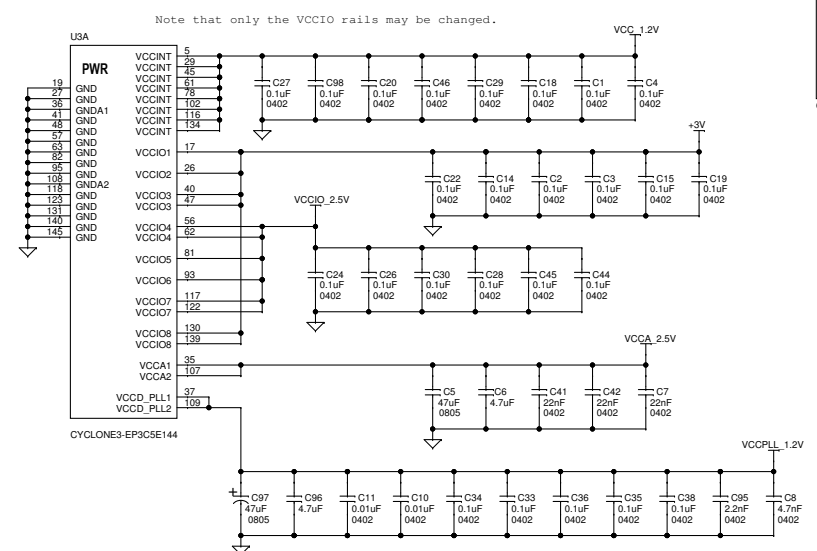
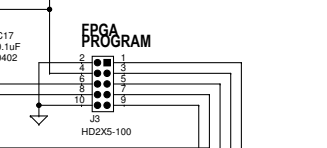
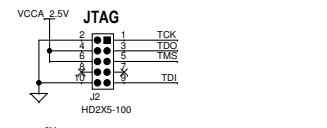
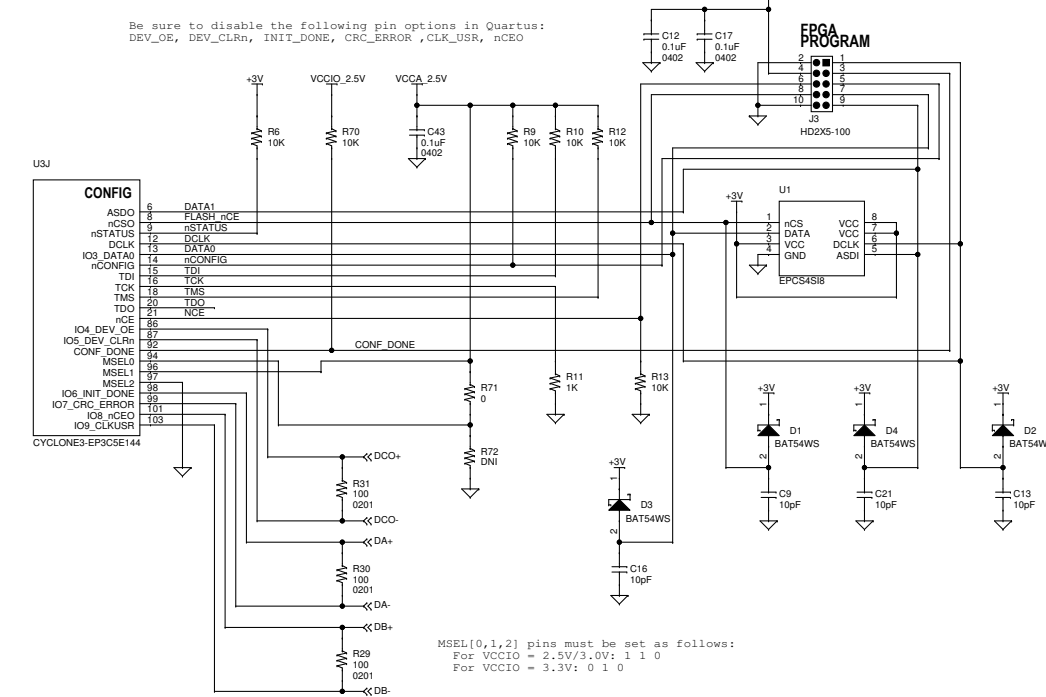
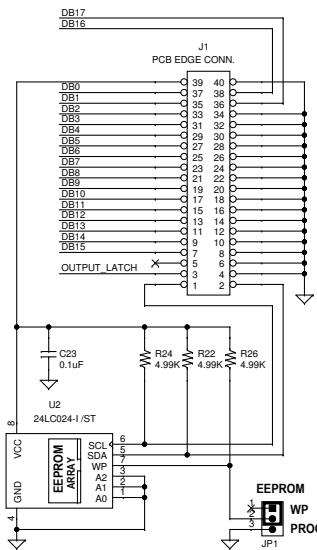
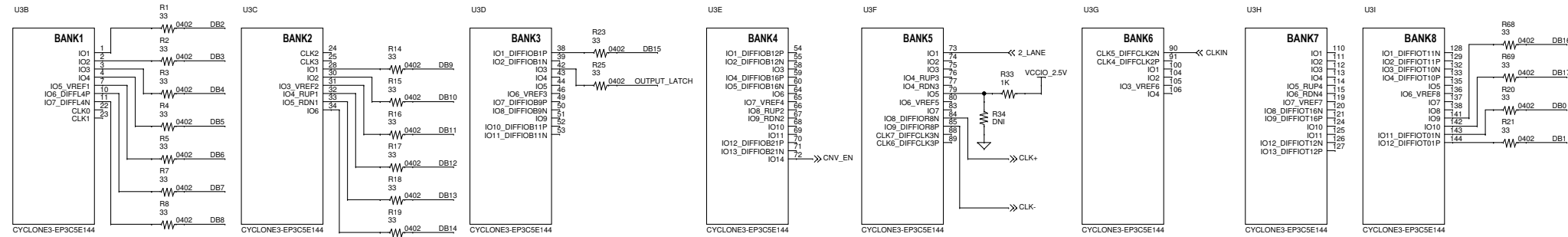
This circuit conditions the edges of the CNV pulse as follows:
 The rising edge of CNV is driven by a rising edge of CLKIN.
 The falling edge of CNV is driven by a falling edge of CNV_EN, so it is wider than 'N' clock cycles.
 The circuit serves to eliminate jitter on the CNV pulse due to CPLD jitter.
 The rising edge of the CNV pulse is thus driven by CLKIN, not CNV_EN.




* ASSY	U10	BITS	MSPS	R33	R34
-A	LTC2387CUH-18	18	15	1K	DNI
-B	LTC2387CUH-16	16	15	DNI	1K
-C	LTC2386CUH-18	18	10	1K	DNI
-D	LTC2386CUH-16	16	10	DNI	1K
-E	LTC2385CUH-18	18	5	1K	DNI
-F	LTC2385CUH-16	16	5	DNI	1K

NOTES: UNLESS OTHERWISE SPECIFIED
 1. ALL RESISTORS ARE IN OHMS, 0603.
 ALL CAPACITORS ARE IN MICROFARADS, 0603

CUSTOMER NOTICE		APPROVALS			
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.	D. STUETZLE	1630 McCarthy Blvd. Milpitas, CA 95035 Phone: (408)432-1900 www.linear.com Fax: (408)434-0507 LTC Confidential-For Customer Use Only	
		APP ENG.	D. STUETZLE		
				TITLE: SCHEMATIC	
				18-Bit, 15MSPS SAR ADC + Driver Amp	
		SIZE	IC NO.	LTC2387CUH FAMILY DEMO CIRCUIT 2588A	
		B		REV.	0
		DATE:	Monday, August 15, 2016	SHEET 1 OF 2	
THIS CIRCUIT IS PROPRIETARY TO LINEAR TECHNOLOGY AND SUPPLIED FOR USE WITH LINEAR TECHNOLOGY PARTS.		SCALE = NONE			



NOTES: UNLESS OTHERWISE SPECIFIED
1. ALL RESISTORS ARE IN OHMS, 0603.
ALL CAPACITORS ARE IN MICROFARADS, 0603

CUSTOMER NOTICE		APPROVALS			
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.				1630 McCarthy Blvd. Milpitas, CA 95035 Phone: (408)432-1900 www.linear.com Fax: (408)434-0507 LTC Confidential-For Customer Use Only	
PCB DES.	D. STUETZLE	TITLE: SCHEMATIC			
APP ENG.	D. STUETZLE	18-Bit, 15Mps SAR ADC + Driver Amp			
SIZE	B	IC NO.	LTC2387CUH FAMILY		REV.
			DEMO CIRCUIT 2588A		0
THIS CIRCUIT IS PROPRIETARY TO LINEAR TECHNOLOGY AND SUPPLIED FOR USE WITH LINEAR TECHNOLOGY PARTS.		SCALE = NONE	DATE:	Monday, August 15, 2016	SHEET 2 OF 2