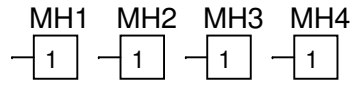
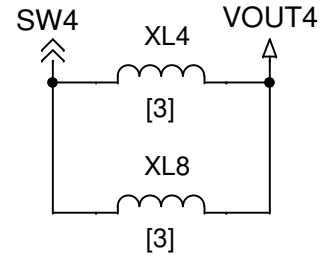
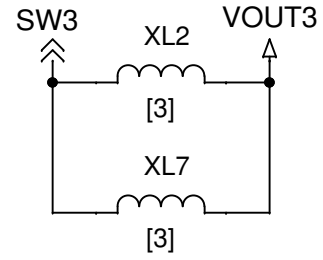
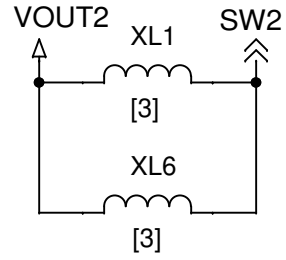
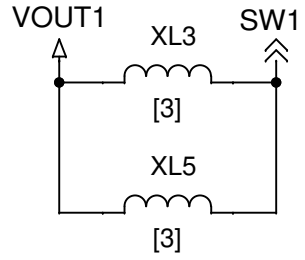


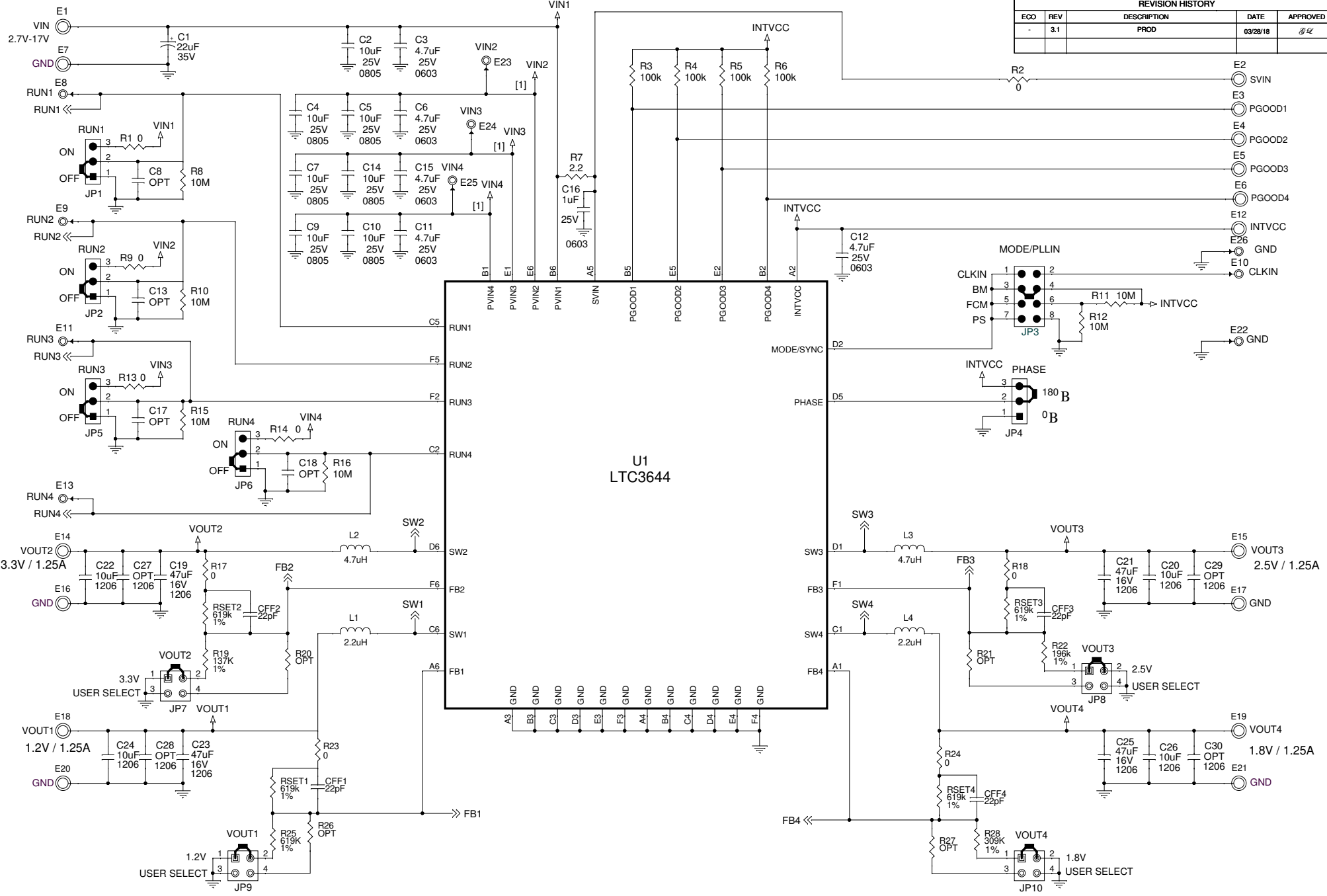
USED TO MANUFACTURE PCB



REPRESENTS STAND OFFS



REVISION HISTORY				
ECO	REV	DESCRIPTION	DATE	APPROVED
-	3.1	PROD	03/28/18	84

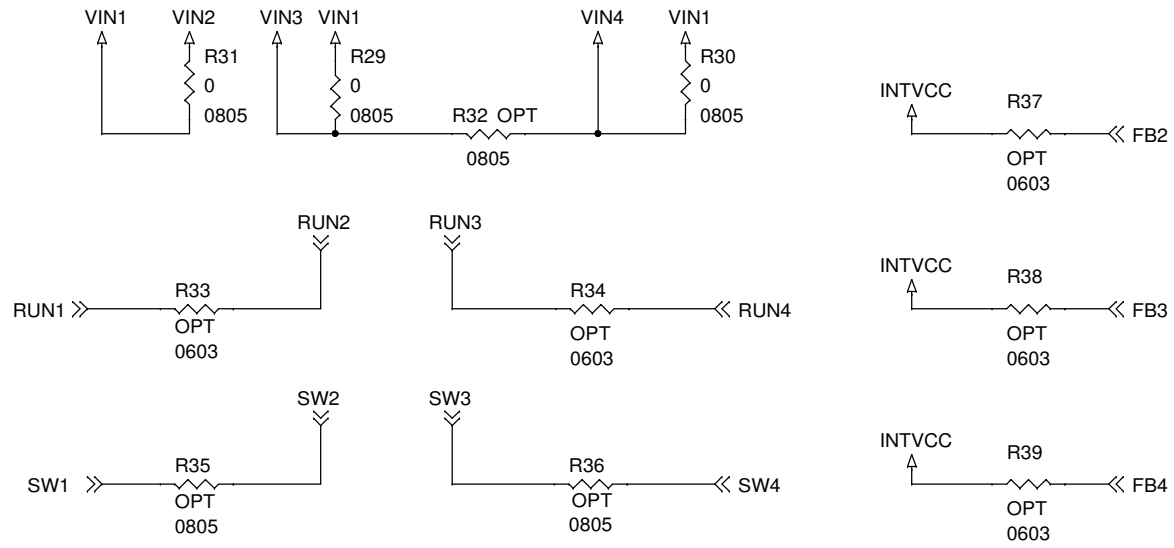


NOTES: UNLESS OTHERWISE SPECIFIED:
1. All Resistors and Capacitors are 0402.

VERSION	IC	INDUCTORS	FSW
-A	LTC3644	L1, L4 COILCRAFT XFL4020-222ME L2, L3 COILCRAFT XFL4020-472ME	1MHz

CUSTOMER NOTICE		APPROVALS		ANALOG DEVICES		POWER BY LINEAR		1630 McCarthy Blvd. Milpitas, CA 95035	
ANALOG DEVICES INC. 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 INC. APPLICATIONS ENGINEERING FOR ASSISTANCE.		PCB DES.	84	www.analog.com		www.linear.com		Phone: 1-408-432-1900	
For ADI Customer Use Only		IC NO.	LTC3644	TITLE: DEMO CIRCUIT SCHEMATIC, QUAD 17V, 1.25A SYNCHRONOUS STEP-DOWN REGULATOR				PCA ASSY: 705-DC2383A-A_REV03	
THIS CIRCUIT IS PROPRIETARY TO ANALOG DEVICES INC. AND SUPPLIED FOR USE WITH ANALOG DEVICES INC. PARTS.		SKU NO.	DC2383A-A	PCA BOM: 700-DC2383A-A_REV03		SCHEMATIC NO. AND REVISION: 710-DC2383A-A_REV03.1			
SIZE: N/A	SCALE: NONE	DATE: Monday, May 18, 2020		SHEET 1 OF 2					

OPTIONAL JUMPERS FOR PARALLELING PHASES FOR DESIRED NUMBER OF OUTPUT VOLTAGE RAILS (SHARING THE SAME VIN1)



NUMBER OF OUTPUT VOLTAGE RAILS	Paralleling Channel	Master Channel	0 OHM (Required)	OPT (Do not stuff)	PHASE (JP13)
QUAD 1.25A	4	1/2/3/4		R33, R34, R35, R36, R37, R38, R39	INTVCC
TRIPLE 2.5A/1.25A/1.25A	3	1+2/3/4	R33, R35, R37	R4, R9, R10, R17, RSET2, CFF2, R19, R34, R36, R38, R39, L2, JP2	INTVCC
DUAL 2.5A/2.5A	2	1+2/3+4	R33, R34, R35, R36, R37, R38	R4, R5, R9, R10, R13, R15, R17, R18, RSET2, RSET3, CFF2, CFF3, R19, R22, R39, L2, L3, JP2, JP5	INTVCC

NOTE:
Please refer to the data sheet and demo board manual for more details and examples of paralleling phases to obtain the desired number of output voltage rails.

<p>CUSTOMER NOTICE</p> <p>ANALOG DEVICES INC. 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 INC. APPLICATIONS ENGINEERING FOR ASSISTANCE.</p> <p>For ADI Customer Use Only</p> <p>THIS CIRCUIT IS PROPRIETARY TO ANALOG DEVICES INC. AND SUPPLIED FOR USE WITH ANALOG DEVICES INC. PARTS.</p>		<p>APPROVALS</p> <p>PCB DES. <i>MS</i></p> <p>APP ENG. <i>BS</i></p>		<p>ANALOG DEVICES</p> <p>www.analog.com</p>		<p>POWER BY LINEAR</p> <p>www.linear.com</p>		<p>1630 McCarthy Blvd. Milpitas, CA 95035</p> <p>Phone: 1-408-432-1900</p>	
		<p>IC NO. LTC3644</p>		<p>TITLE: DEMO CIRCUIT SCHEMATIC, QUAD 17V, 1.25A SYNCHRONOUS STEP-DOWN REGULATOR</p>		<p>SKU NO. DC2383A-A</p>		<p>PCA BOM: 700-DC2383A-A_REV03 PCA ASS'Y: 705-DC2383A-A_REV03</p>	
SIZE: N/A		SCALE = NONE		DATE: Monday, May 18, 2020				SHEET 2 OF 2	