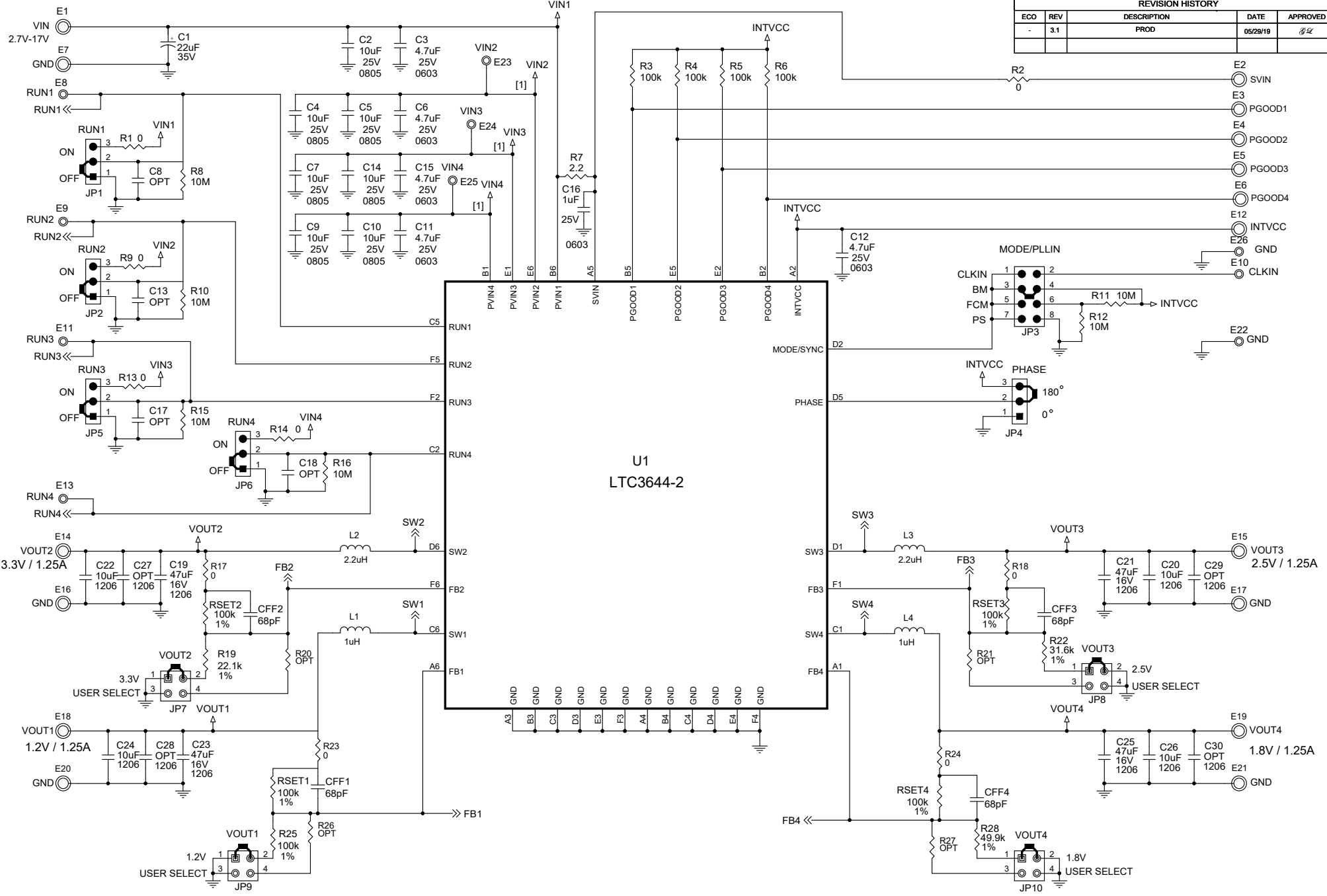


REVISION HISTORY				
ECO	REV	DESCRIPTION	DATE	APPROVED
-	3.1	PROD	05/29/19	84

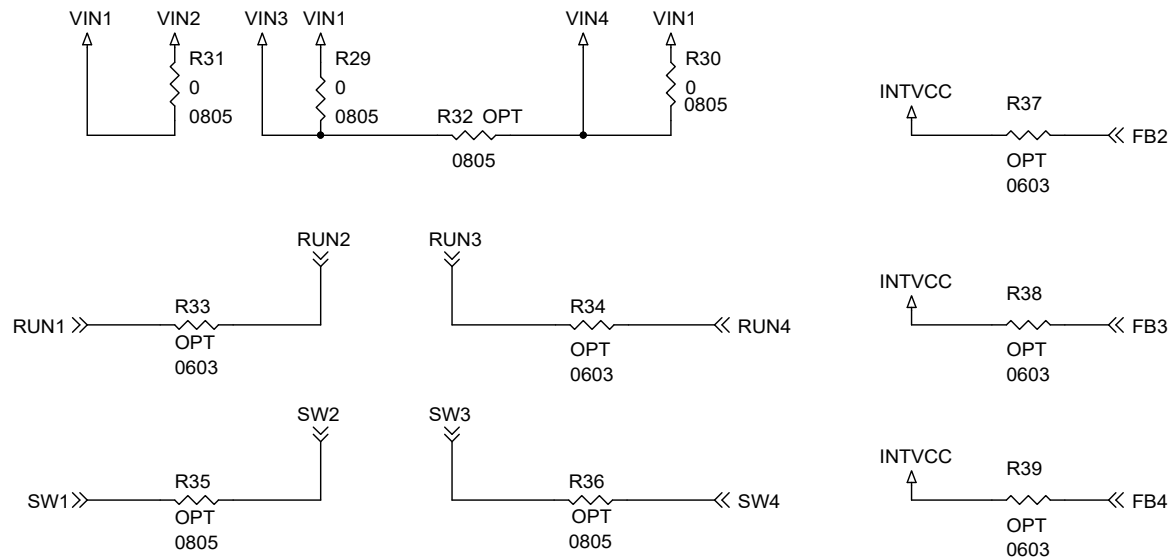


NOTES: UNLESS OTHERWISE SPECIFIED:
 [1] If operation with separate supplies is required, disconnect the desired Vin from Vin1 and other Vin (Vin2, Vin3 or Vin4) and apply appropriate input voltages for normal operation.
 2. All Resistors and Capacitors are 0402.

VERSION	IC	INDUCTORS	FSW
-B	LTC3644-2	L1, L4 MURATA DFE252012F-1R0M L2, L3 MURATA DFE252012F-2R2M	2.25MHz

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.	TITLE: DEMO CIRCUIT SCHEMATIC, QUAD 17V, 1.25A SYNCHRONOUS STEP-DOWN REGULATOR						
THIS CIRCUIT IS PROPRIETARY TO ANALOG DEVICES INC. AND SUPPLIED FOR USE WITH ANALOG DEVICES INC. PARTS.		SKU NO.	DC2383A-B		PCA BOM: 705-DC2383A-B_REV03		SCHEMATIC NO. AND REVISION: 710-DC2383A-B_REV03		
SIZE: N/A	SCALE: NONE	DATE: Tuesday, June 22, 2021		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	1	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	1, 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 Phone: 1-408-432-1900</p>	
		<p>IC NO. LTC3644-2</p>		<p>TITLE: DEMO CIRCUIT SCHEMATIC, QUAD 17V, 1.25A SYNCHRONOUS STEP-DOWN REGULATOR</p>		<p>SKU NO. DC2383A-B</p>		<p>PCA BOM: 700-DC2383A-B_REV03 PCA ASS'Y: 705-DC2383A-B_REV03</p>	
<p>SIZE: N/A</p>		<p>SCALE = NONE</p>		<p>DATE: Tuesday, June 22, 2021</p>		<p>SHEET 2 OF 2</p>			