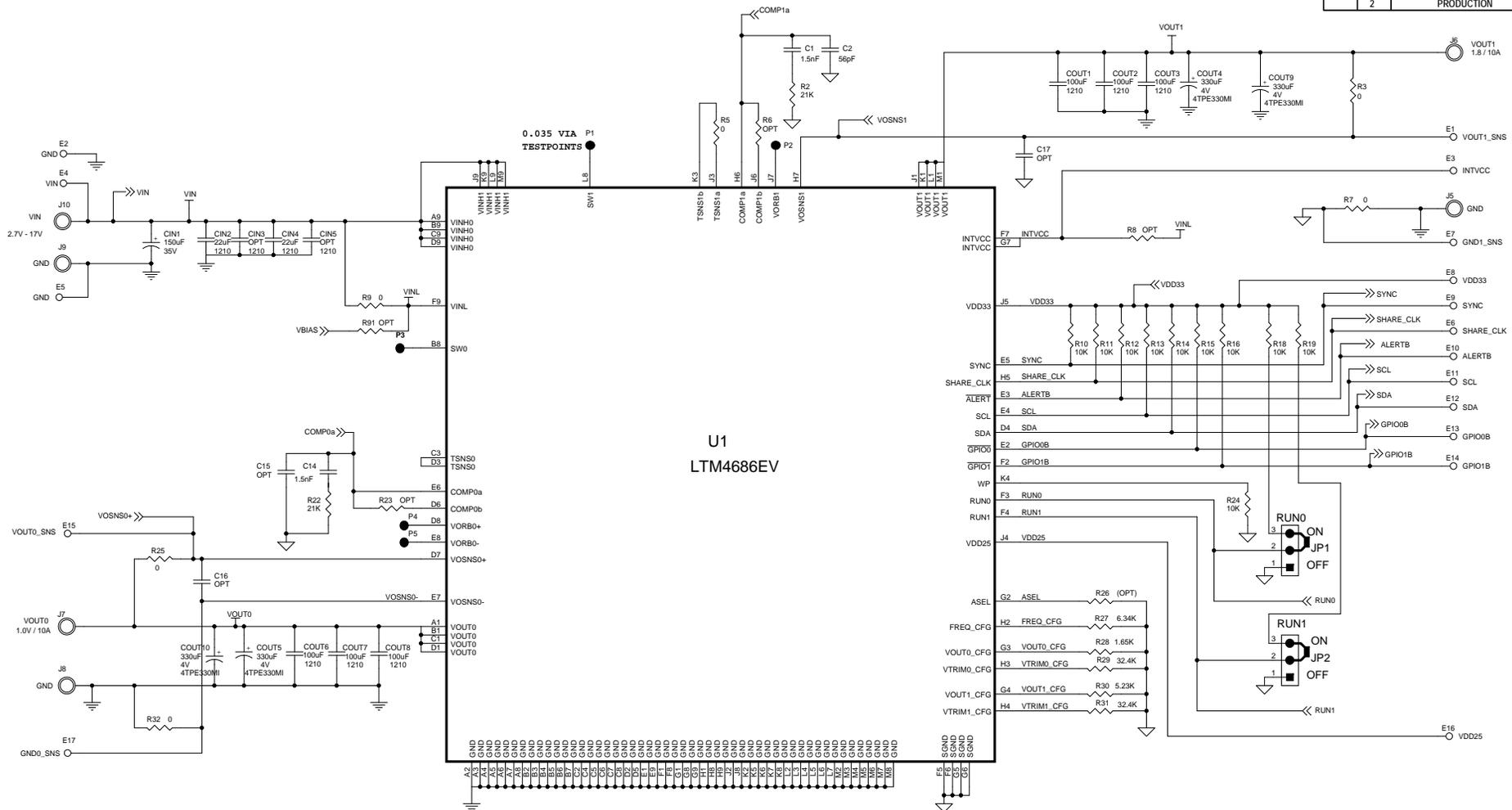
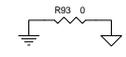


REVISION HISTORY				
ECO	REV	DESCRIPTION	APPROVED	DATE
	2	PRODUCTION	Simon T.	2-21-18



NOTE: UNLESS OTHERWISE SPECIFIED
 1. ALL RESISTORS ARE 0603.
 ALL CAPACITORS ARE 0603.

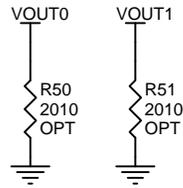


* When $5.75V < V_{in} < 17V$,
 LTM4686 PMBus COMMAND CODE are $V_{IN_ON} = 5.50V$, $V_{IN_OFF} = 5.25V$, $V_{IN_UV_WARN_LIMIT} = 5.30V$;
 $R9 = 0\Omega$, $R8 = R91 = R92 = OPEN$

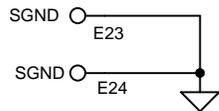
When $2.70V < V_{in} < 5.75V$,
 LTM4686 PMBus COMMAND CODE are $V_{IN_ON} = 4.25V$, $V_{IN_OFF} = 4.00V$, $V_{IN_UV_WARN_LIMIT} = 4.09V$;
 When $2.70V < V_{in} < 5.50V$,
 $R9 = OPEN$, $R8 = R91 = R92 = 0\Omega$
 When $4.50V < V_{in} < 5.75V$,
 $R9 = R8 = 0\Omega$, $R91 = R92 = OPEN$

CUSTOMER NOTICE <small>ANALOG DEVICES 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 APPLICATIONS ENGINEERING FOR ASSISTANCE.</small>	APPROVALS PCB DES. HZ APP ENG. Haihua Z.	 www.analog.com Phone: (408)432-1900	
	TITLE: DUAL STEP-DOWN uMODULE REGULATOR WITH POWER SYSTEM MANAGEMENT		
	IC NO. LTM4686Y SKU NO. DC2722A-A		SCHEMATIC NO. AND REVISION: DC2722A_REV02
	SIZE: N/A DATE:		SHEET 1 OF 3
<small>THIS CIRCUIT IS PROPRIETARY TO ANALOG DEVICES AND SUPPLIED FOR USE WITH ANALOG DEVICES PARTS.</small>			

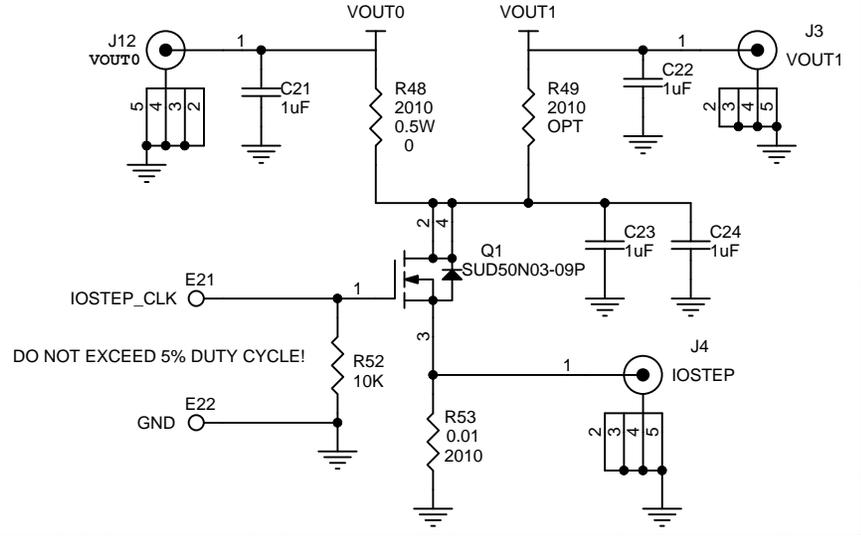
ALL PARTS ON THIS PAGE ARE FOR DEMO ONLY, NOT NEEDED IN CUSTOMER DESIGN



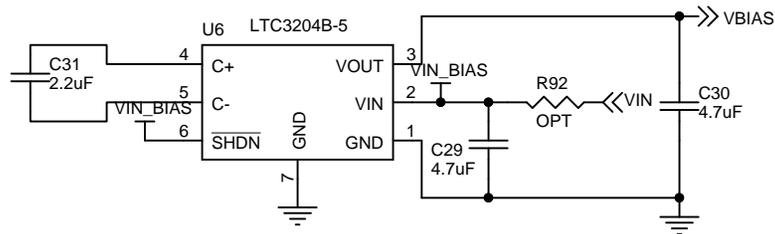
BLEEDER LOADS



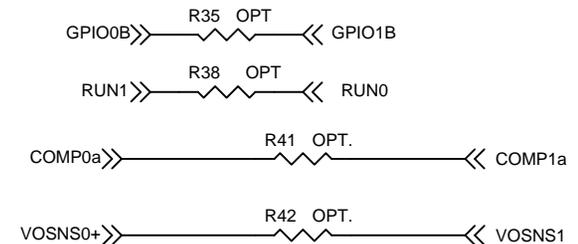
DYNAMIC LOAD CIRCUIT



OPTIONAL CHARG PUMP FOR 2.7V<=VIN<=5.5V APPLICATION



OPTIONAL JUMPER FOR DUAL PHASE SINGLE OUTPUT CONFIGURATION



CUSTOMER NOTICE

ANALOG DEVICES 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 APPLICATIONS ENGINEERING FOR ASSISTANCE.

THIS CIRCUIT IS PROPRIETARY TO ANALOG DEVICES AND SUPPLIED FOR USE WITH ANALOG DEVICES PARTS.

APPROVALS

PCB DES.	HZ
APP ENG.	Haihua Z.



www.analog.com

Phone: (408)432-1900

TITLE: SCHEMATIC

DUAL STEP-DOWN uMODULE REGULATOR

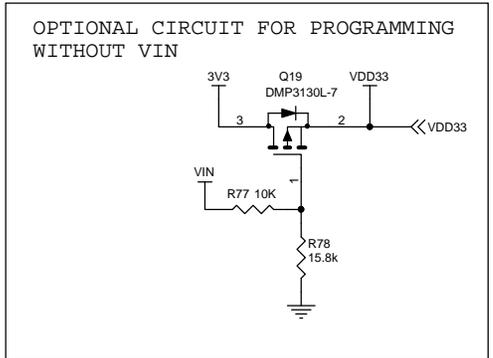
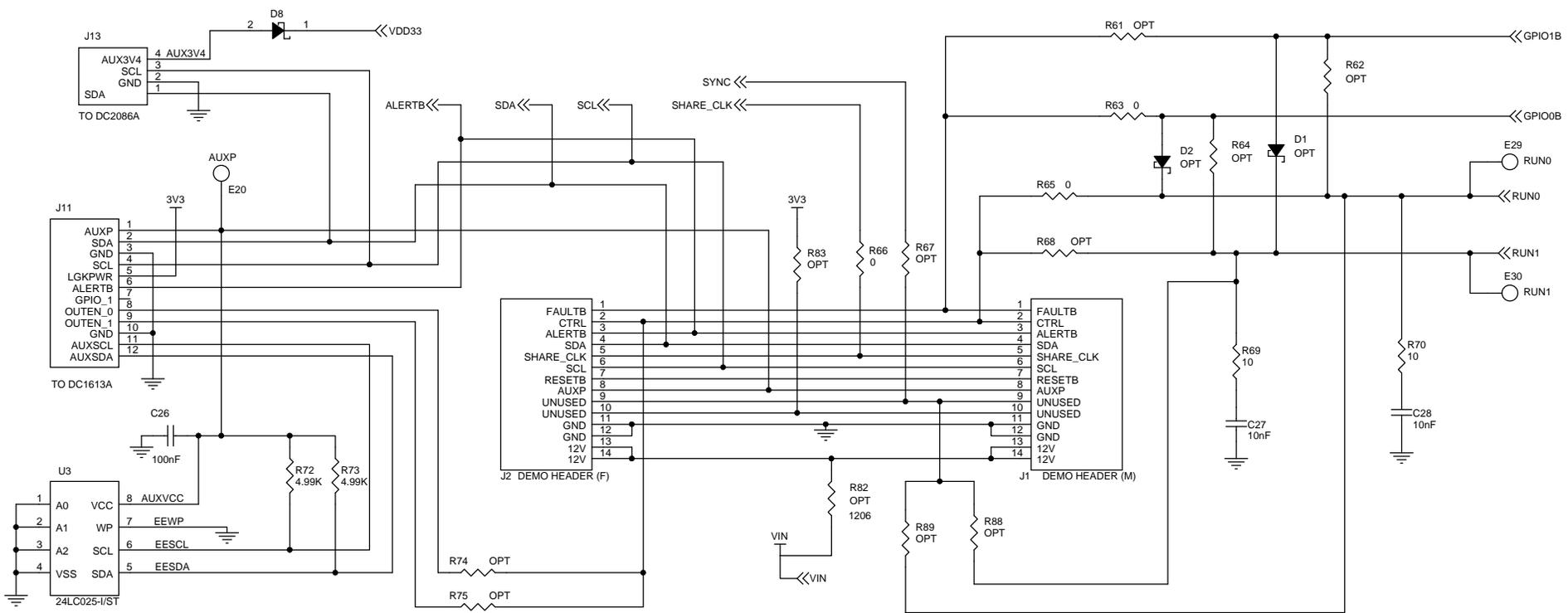
IC NO. LTM4686EY
SKU NO. DC2722A-A

SCHEMATIC NO. AND REVISION:
DC2722A_REV02

SIZE: N/A DATE:

SHEET 2 OF 3

ALL PARTS ON THIS PAGE ARE FOR DEMO BOARD ONLY, NOT NEEDED IN CUSTOMER DESIGN



PSM STACKING CONNECTORS:
 J1, MALE, CONN HEADER 14POS 2MM R/A GOLD, Molex Connector Corp. 87760-1416
 J2, FEMALE, CONN RECEPT 2MM DUAL R/A 14POS, Sullins Conn. NPPN072FJFN-RC

CUSTOMER NOTICE		APPROVALS		ANALOG DEVICES	POWER BY LINEAR
ANALOG DEVICES 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 APPLICATIONS ENGINEERING FOR ASSISTANCE.		PCB DES.	HZ		
THIS CIRCUIT IS PROPRIETARY TO ANALOG DEVICES AND SUPPLIED FOR USE WITH ANALOG DEVICES PARTS.		APP ENG.	Haihua Z.	TITLE: SCHEMATIC DUAL STEP-DOWN uMODULE REGULATOR	
				IC NO. LTM4686EY SKU NO. DC2722A-A	
				SCHEMATIC NO. AND REVISION: DC2722A_REV02	
		SIZE: N/A	DATE:	SHEET 3 OF 3	