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87654321

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RELAY CONTROL CHART

CONTROL	CODE	DEVICE	FUNCTION	CONNECTOR
P.O SPEC.	BK/BD SPEC.	SOCKET OEM	OEM PART#	HANDLER

654321

JUMPER TABLE

REFERENCE DESIGNATOR	ON	OFF	Comments
P8	1-2	2-3	Run Pin of LTC7840
P1	1-2	2-3	Enable Pin of MAX20076D
JP1		Open	1-2: Force- PWM Mode is Enabled 2-3 or Open: Skip Mode Enabled
P2	2-3	1-2	U3- Disable Pin
P9	2-3	1-2	U4- Disable Pin

The bolded items represent the default connections. Default connections mean that everything is enabled, so please proceed with caution.

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	31MAR25	J. COLICO

High-Voltage DC-AC H-Bridge Driver

REFERENCES:

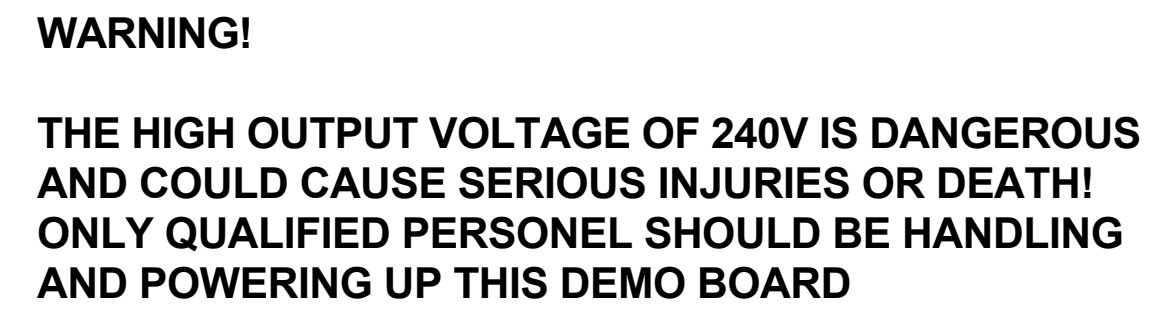
Page 2: LTC7840 BOOST is based on DC2744A
Page 3: MAX20076D is based on MAX20075/MAX20076 Evaluation Kits
Page 4: ADuM4221-1 is based on EVAL-ADuM4221-1EBZ

WARNING!

THE HIGH OUTPUT VOLTAGE OF 240V IS DANGEROUS AND COULD CAUSE SERIOUS INJURIES OR DEATH!
ONLY QUALIFIED PERSONEL SHOULD BE HANDLING AND POWERING UP THIS DEMO BOARD

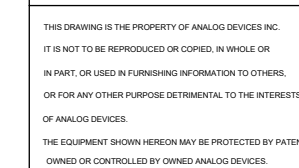
TEMPLATE ENGINEER BILLY PHILLIPS	DATE	SCHEMATIC				
HARDWARE SERVICES BOB MACDONALD	14APR21	HW TYPE : Customer Evaluation				
HARDWARE SYSTEMS DAVE WILLIAMS	14APR21	Product(s): EL Paint Driver				
TEST ENGINEER N/A	N/A	: Full H-Bridge				
COMPONENT ENGINEER ADGT LIBRARY	28MAR25	PACKAGE : LeadCount-lead BodySize PackageType-family				
TEST PROCESS N/A	N/A	: Pitch-pitch StyleVendor Style				
HARDWARE RELEASE C. LAPPAY	28MAR25	<User Define>				
DESIGNER C. LAPPAY	28MAR25	MASTER PROJECT TEMPLATE GENERIC_D_SIZE_FORMAT 067706_b			DRAWING NO.	
PTD ENGINEER J. COLICO	28MAR25	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			REV.	
CHECKER N/A	N/A	TOLERANCES			A	
		DECIMALS X.XX +0.010 X.XXX +0.005	FRACTIONS +1/32	ANGLES +2	SIZE D	SCALE 1:1
		CODE ID NO. CodeID	SHEET 1	OF 4		

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



Ref Des	Value	Manufacturing Part #
L1	10UH	SRP1513CA-100M
L2	100UH	IHLP8787MZER101M5A

Ref Des	Value	Manufacturing Part #
L7	10UH	SRP1038A-100M
L5	100UH	SDR1307A-181K



HW TYPE : Customer Evaluation
Product(s): EL Paint Driver
: Full H-Bridge

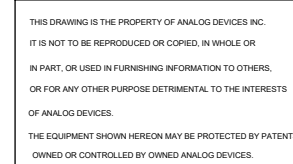
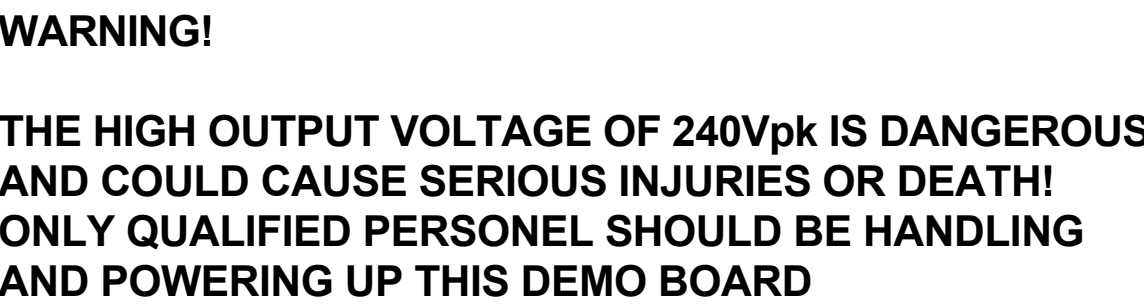
DESIGN VIEW
\$DESIGN_VIEW
PTD ENGINEER
J. COLICO

DRAWING NO.	02_084663
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SIZE D	SCALE 1:1	SHEET 2 OF 4
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EV

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



SCHEMATIC				
HW TYPE : Customer Evaluation Product(s): EL Paint Driver : Full H-Bridge				
DESIGN VIEW \$DESIGN_VIEW		DRAWING NO. 02_084663		REV A
PTD ENGINEER J. COLICO		SIZE D	SCALE 1:1	SHEET 4 OF 4