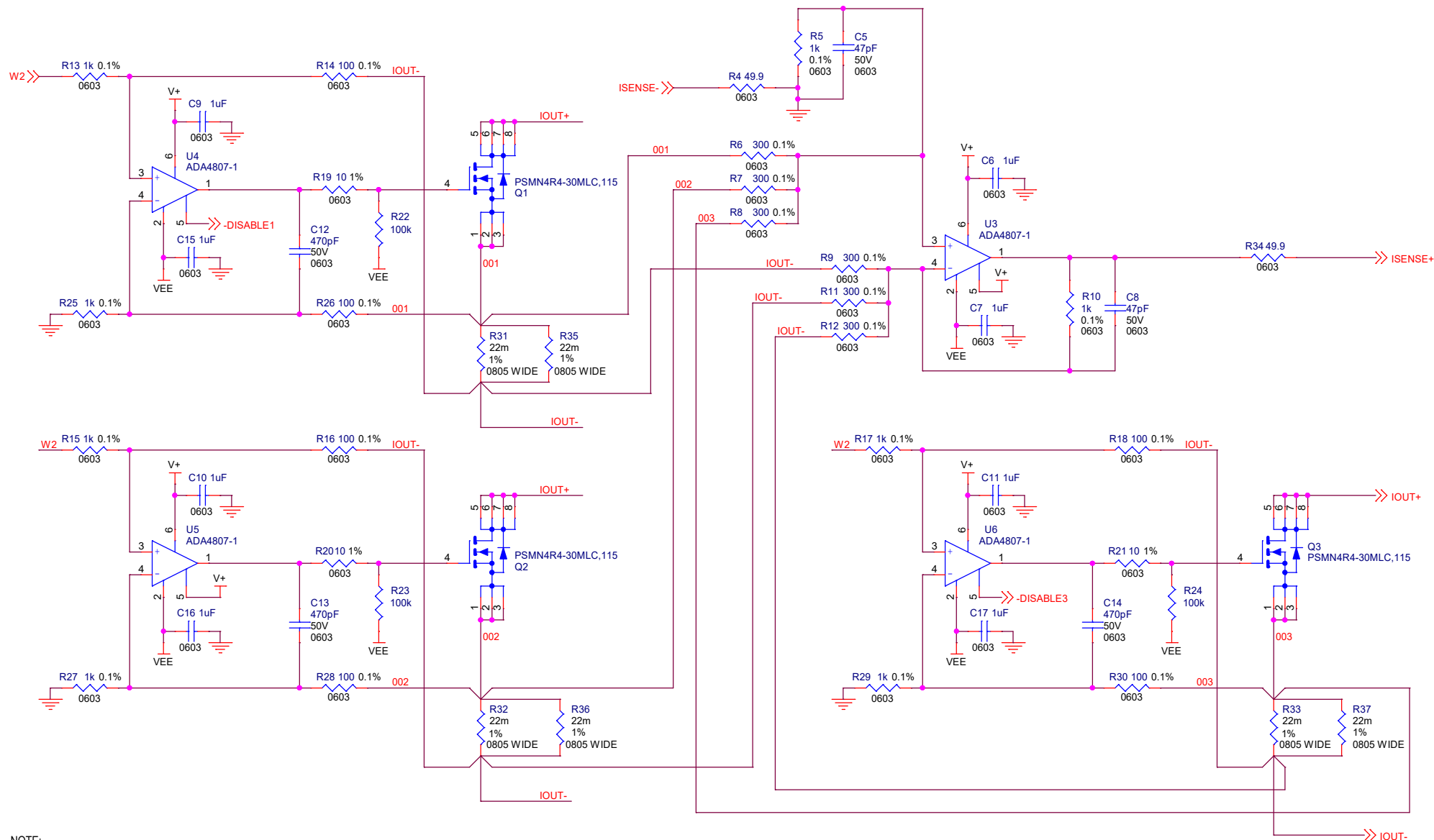


ADDED TO PARTS LIST	
LB1	LABEL
PCB1	PCB, LB3058A REV03
STNCL	TOOL, STENCIL, LB3058A REV03



NOTE:

C5 & C8 COMPENSATE FOR RSENSE PARASITIC
 INDUCTANCE = 1.5nH (333m and 50m) or 1.0nH (22m & 10m)
 $C5 \text{ \& C8} = L_{SENSE} / (R5 * RSENSE)$
 $CURRENT \ MONITOR = (V(ISENSE+) - V(ISENSE-)) * 3 / RSENSE / 10$
 $RSENSE \ VOLTAGE = V(W2) / 10$
 $RSENSE \ VOLTAGE \ DESIGN \ MAXIMUM = 200mV$
 $R2 \ ID \ RESISTOR = (TOTAL \ RSENSE) * 100k$

OPTIONS							
Version	Imin	Imax	Rsense	C5&C8	R19-R21	C12-C14	R2
50A	200mA	60	0.05	47pF	10	470pF	1.1k
							PSMN4R4-30MLC

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. *MS*

APP ENG. *BL*



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TITLE: SCHEMATIC

50A LTpowerAnalyzer Current Probe

IC NO. LTC6240HVCS5

SKU NO. LB3058A-C

SCHEMATIC NO. AND REVISION:

710-LB3058A-C_REV03

SIZE: NONE

DATE: Thursday, September 17, 2020

SHEET 2 OF 2