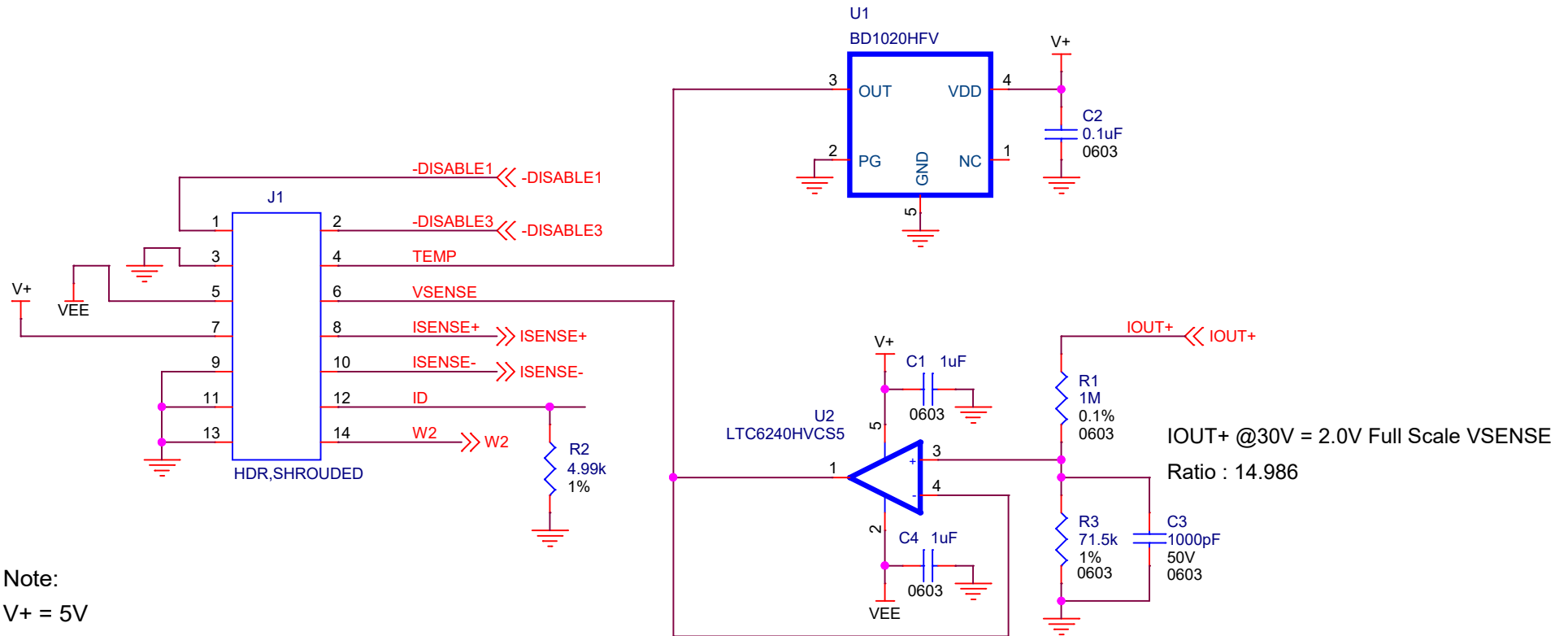


ADDED TO PARTS LIST	
LB1	LABEL
PCB1	PCB, LB3058A REV03
STNCL	TOOL, STENCIL, LB3058A REV03

REVISION HISTORY				
ECO	REV	DESCRIPTION	DATE	APPROVED
	3	PROTO	09/17/20	<i>BL</i>



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.	<i>MS</i>
APP ENG.	<i>BL</i>



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TITLE: SCHEMATIC

10A LTpowerAnalyzer Current Probe

IC NO. LTC6240HVCSS5

SKU NO. LB3058A-B

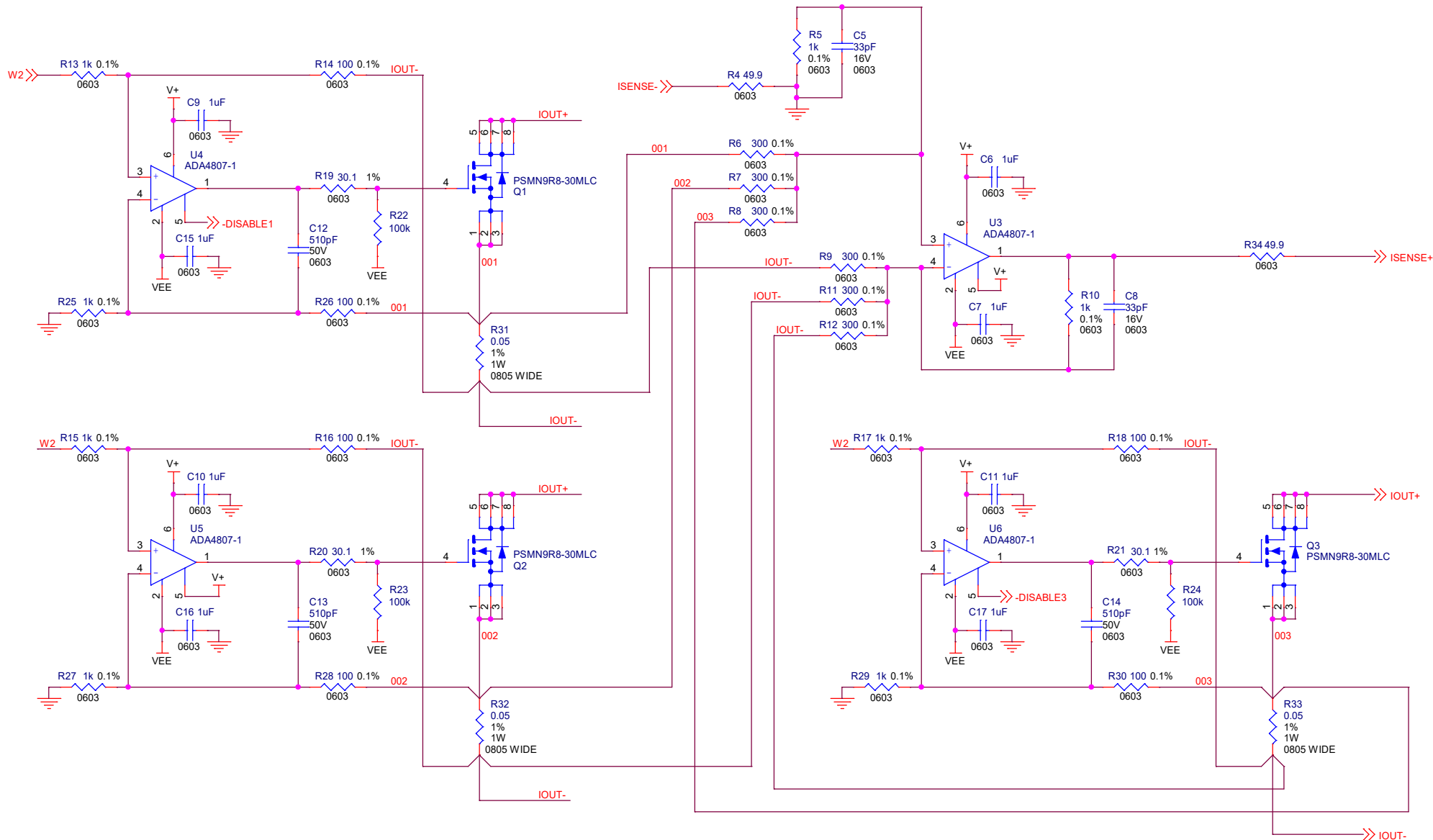
SCHEMATIC NO. AND REVISION:

710-LB3058A-B_REV03

SIZE: NONE

DATE: Thursday, September 17, 2020

SHEET 1 OF 2



NOTE:

C5 & C8 COMPENSATE FOR RSENSE PARASITIC
INDUCTANCE = 1.5nH (333m and 50m) or 1.0nH (22m & 10m)
C5 & C8 = LSENSE / (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	Q1-Q3
10A	50mA	12A	0.05	33pF	30.1	510pF	4.99k	PSMN9R8-30MLC

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

APPROVALS

PCB DES.

MS

APP ENG.

BL



www.analog.com

TITLE: SCHEMATIC

10A LTpowerAnalyzer Current Probe

IC NO. LTC6240HVC55

SKU NO. LB3058A-B

SCHEMATIC NO. AND REVISION:

710-LB3058A-B_REV03

SIZE: NONE

DATE: Thursday, September 17, 2020

SHEET 2 OF 2