

IWR1642BOOST

PROC011

REVISIONS

SEE SHEET 2

TABLE OF CONTENTS

[illegible]

ASSEMBLY NOTES:

ASSEMBLIES MUST BE CLEAN AND FREE FROM FLUX AND ALL CONTAMINANTS. USE OF NO CLEAN FLUX IS NOT ACCEPTABLE

ASSEMBLIES MUST COMPLY WITH WORKMANSHIP STANDARDS IPC-A-610 CLASS 2, UNLESS OTHERWISE SPECIFIED

COMPONENTS MARKED "DNI = TRUE" WILL NOT BE ASSEMBLED



TEXAS INSTRUMENTS

SEMICONDUCTOR OPERATIONS
10/08/2016

CODE IDENTITY
NUMBER

01295

SIZE

B

DRAWING NO.

IWR1642BOOST

REV

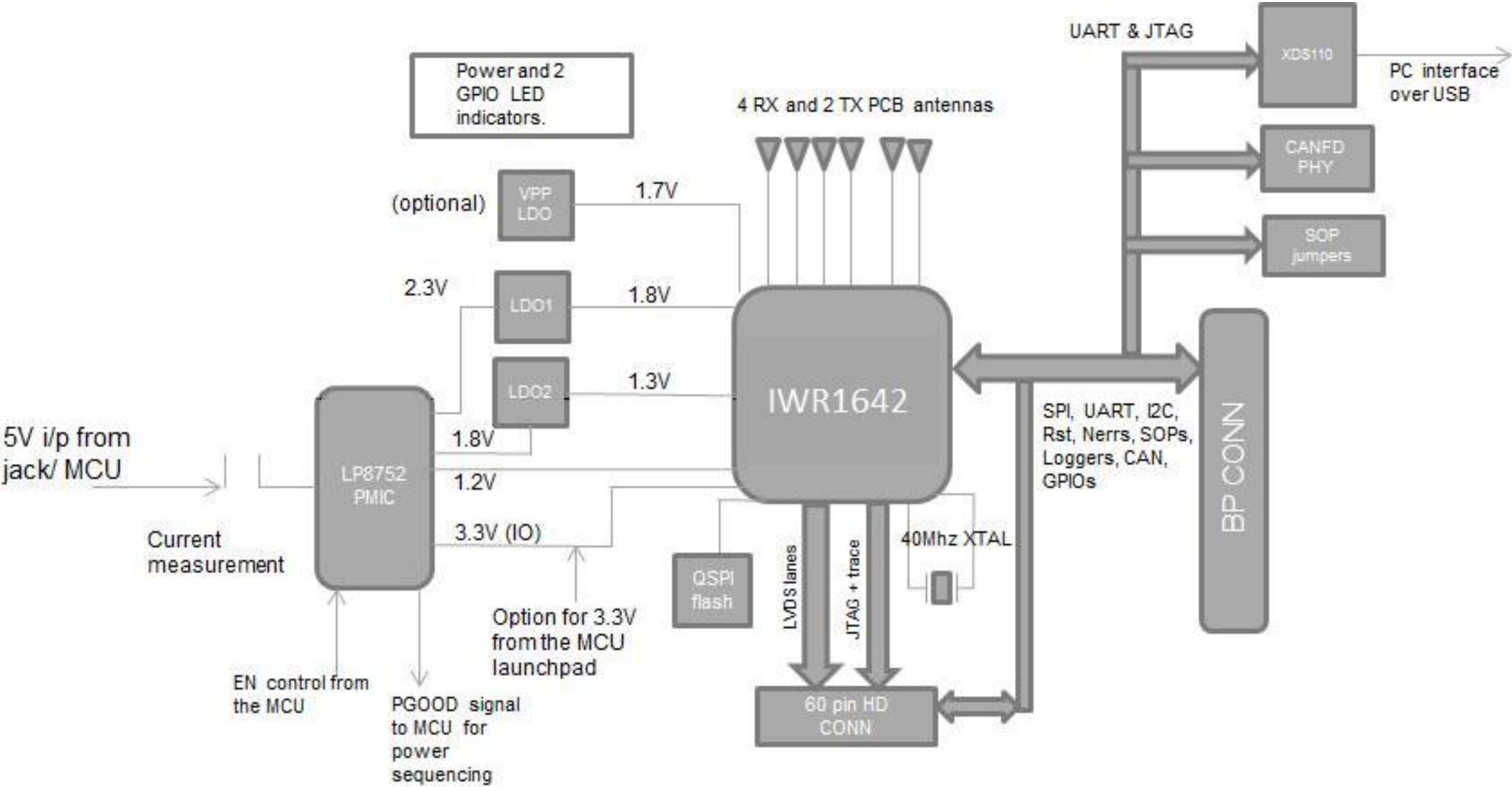
A


Contents

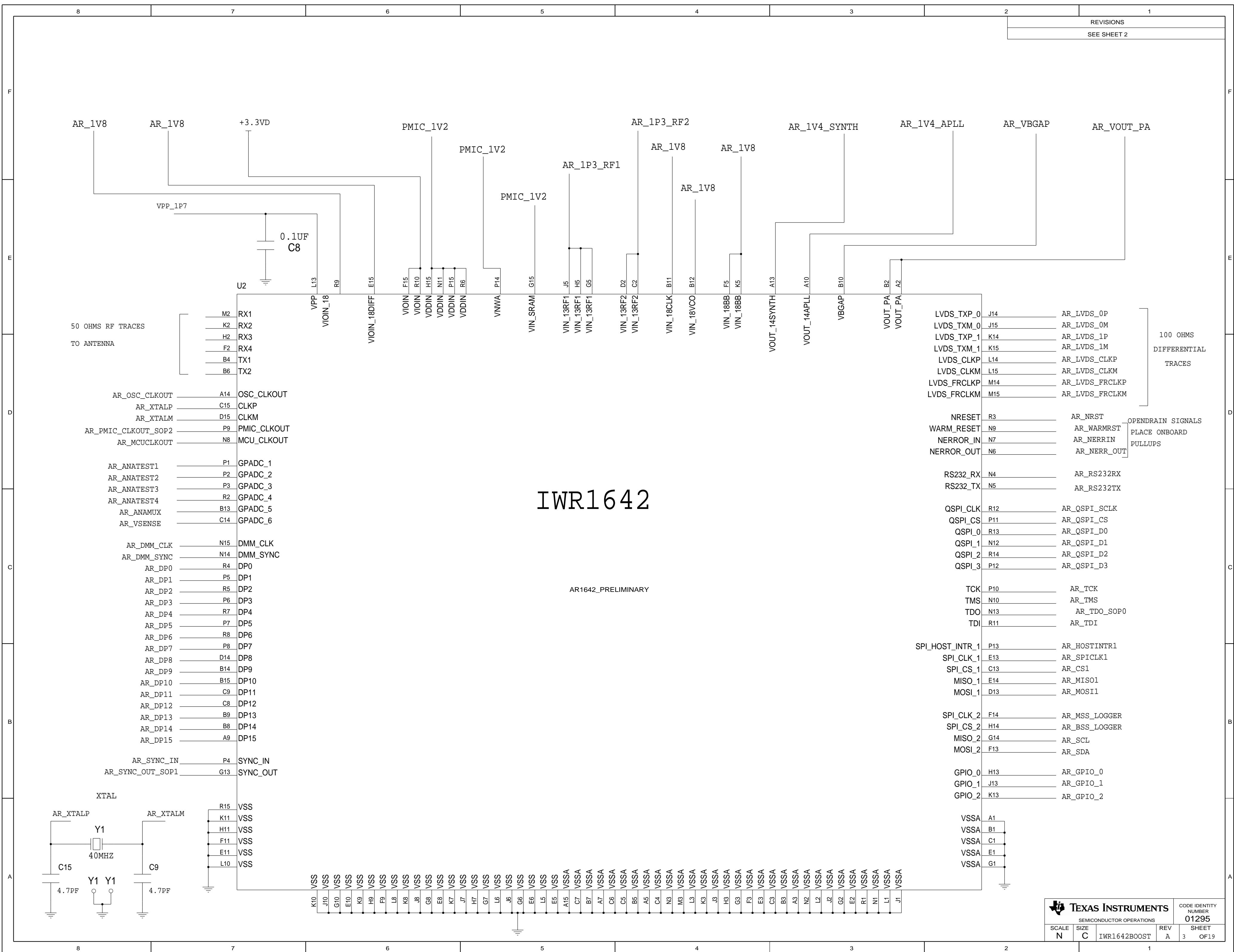
SHEET 1 OF 19

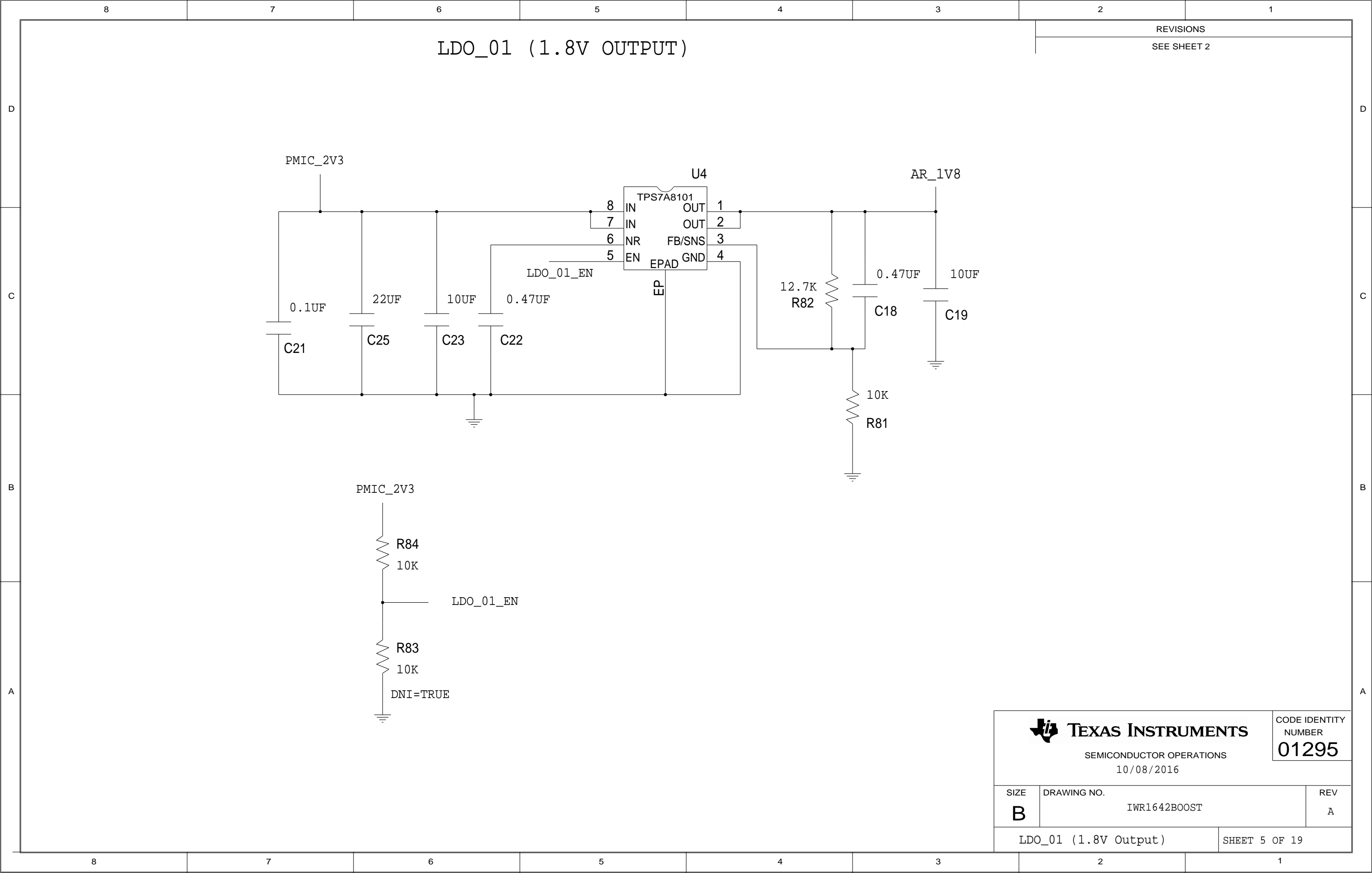
BLOCK DIAGRAM


REVISIONS
SEE SHEET 2

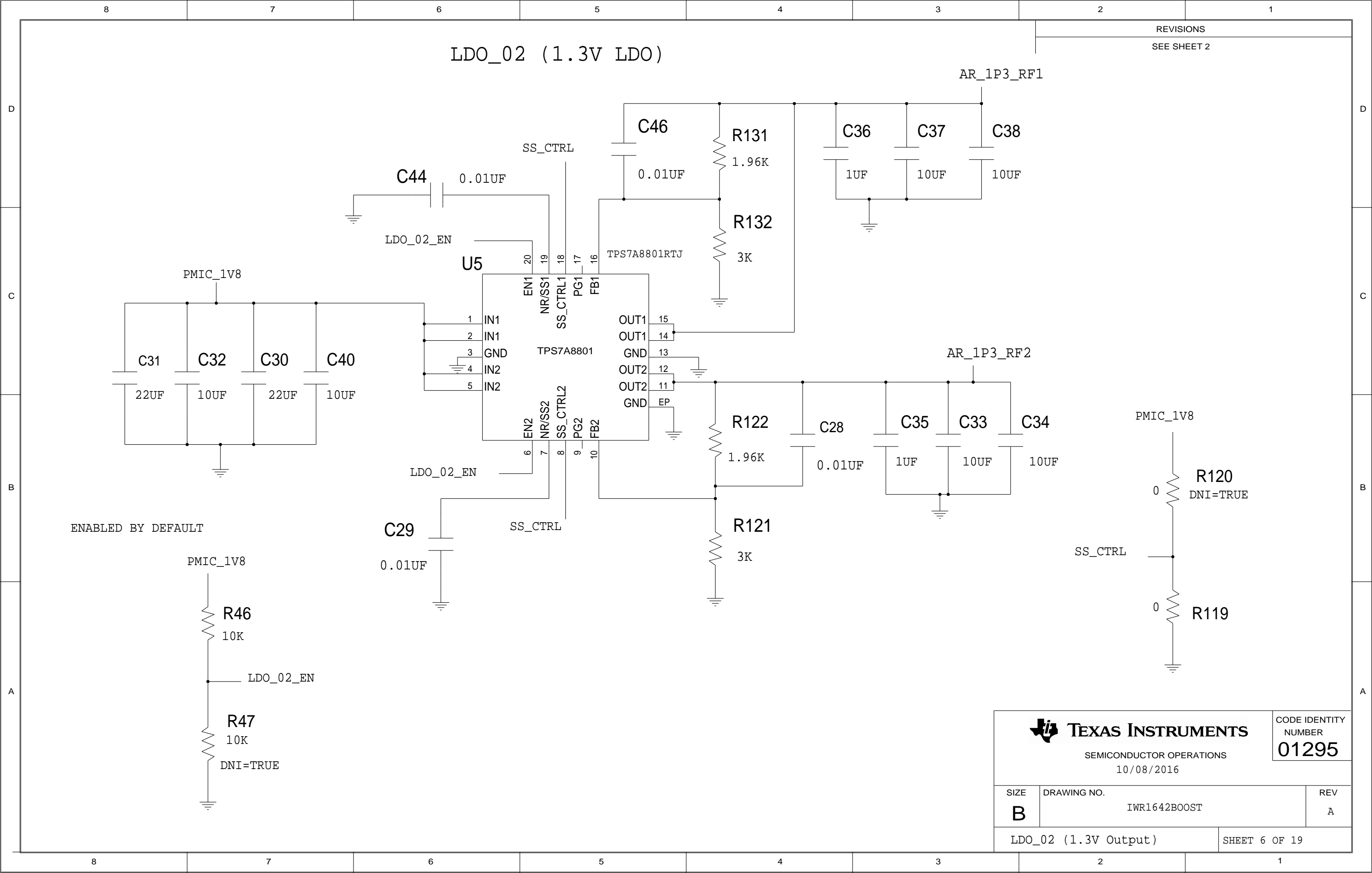



 TEXAS INSTRUMENTS SEMICONDUCTOR OPERATIONS 10/08/2016	CODE IDENTITY NUMBER 01295
SIZE B	DRAWING NO. AWR1642BOOST
REV A	
Block diagram	
SHEET 2 OF 19	

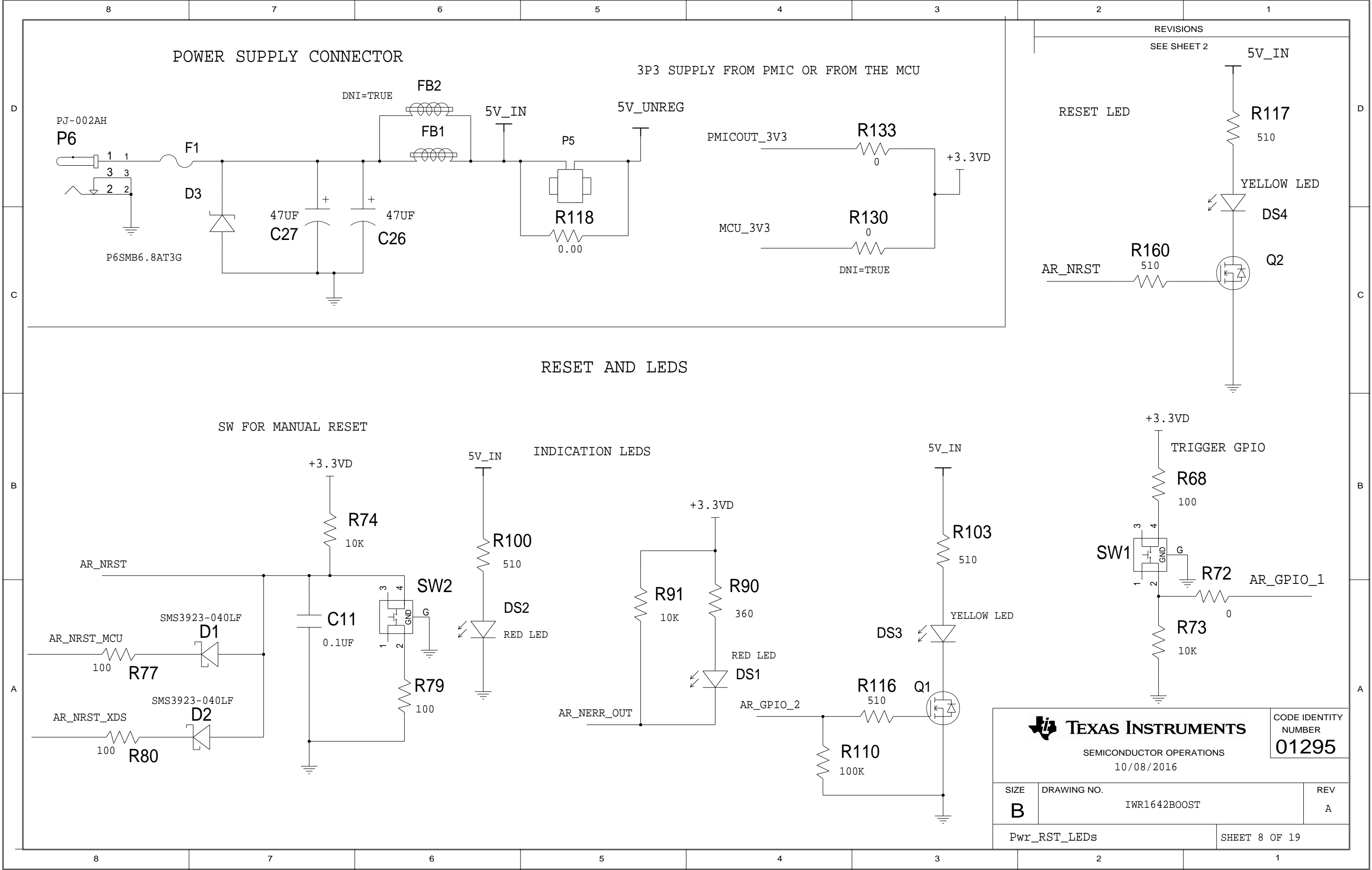


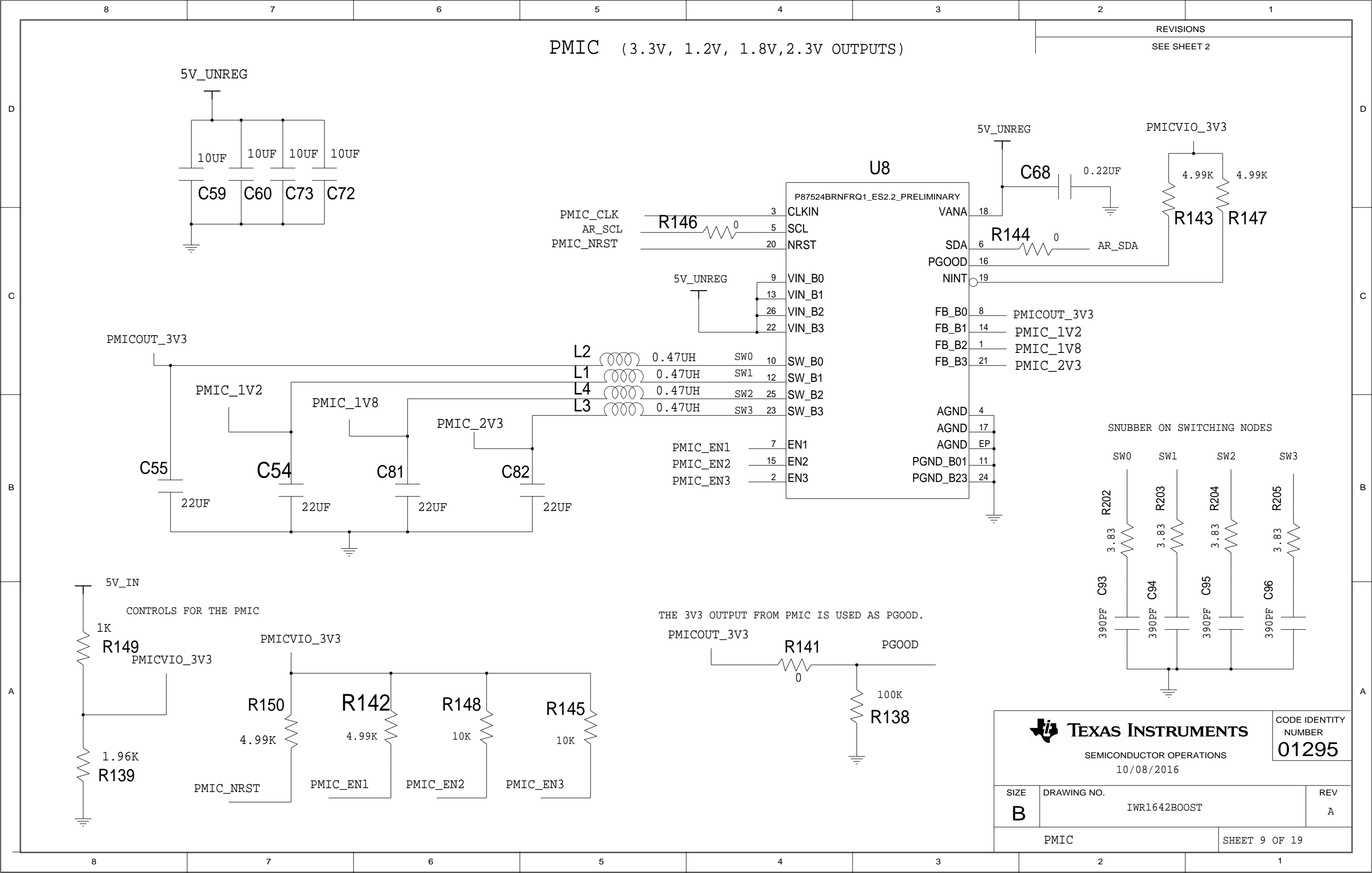


 TEXAS INSTRUMENTS		CODE IDENTITY NUMBER 01295
SEMICONDUCTOR OPERATIONS 10/08/2016		
SIZE B	DRAWING NO. IWR1642BOOST	REV A
LDO_01 (1.8V Output)		SHEET 5 OF 19



 TEXAS INSTRUMENTS		CODE IDENTITY NUMBER 01295
SEMICONDUCTOR OPERATIONS 10/08/2016		
SIZE B	DRAWING NO. IWR1642BOOST	REV A
LDO_02 (1.3V Output)		SHEET 6 OF 19

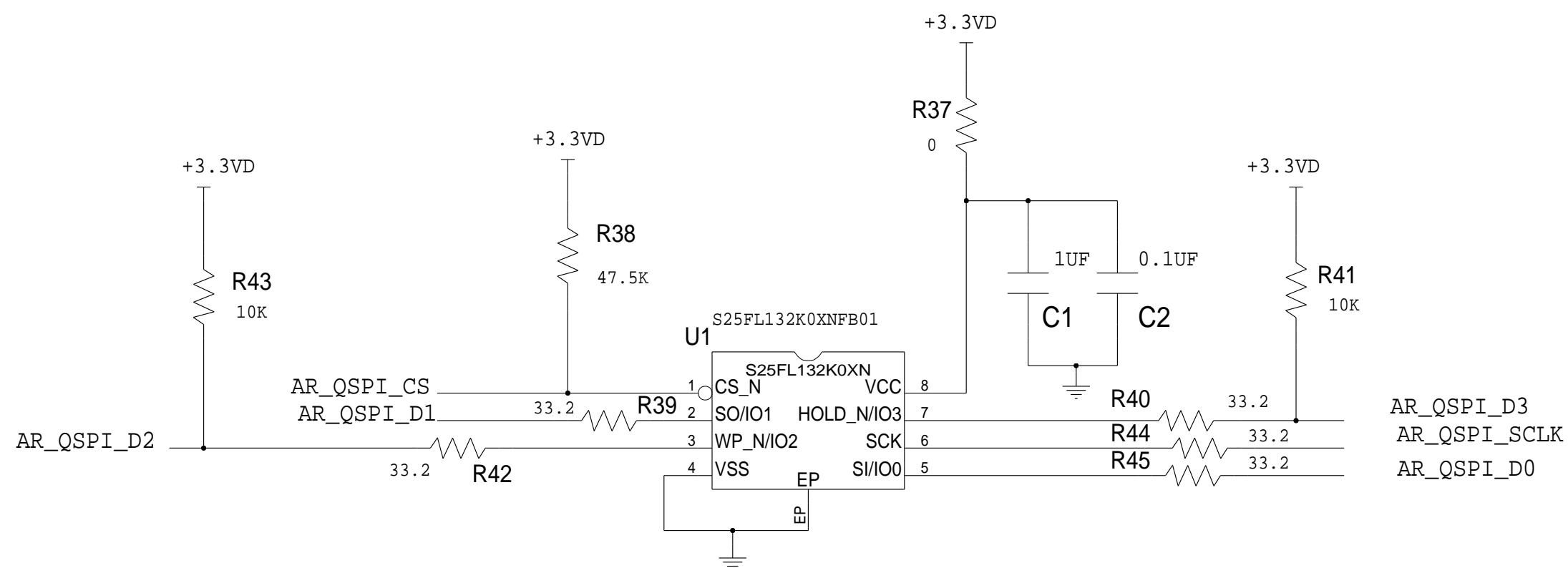




REVISIONS

SEE SHEET 2

QSPI FLASH



TEXAS INSTRUMENTS

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10/08/2016

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01295

SIZE

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DRAWING NO.

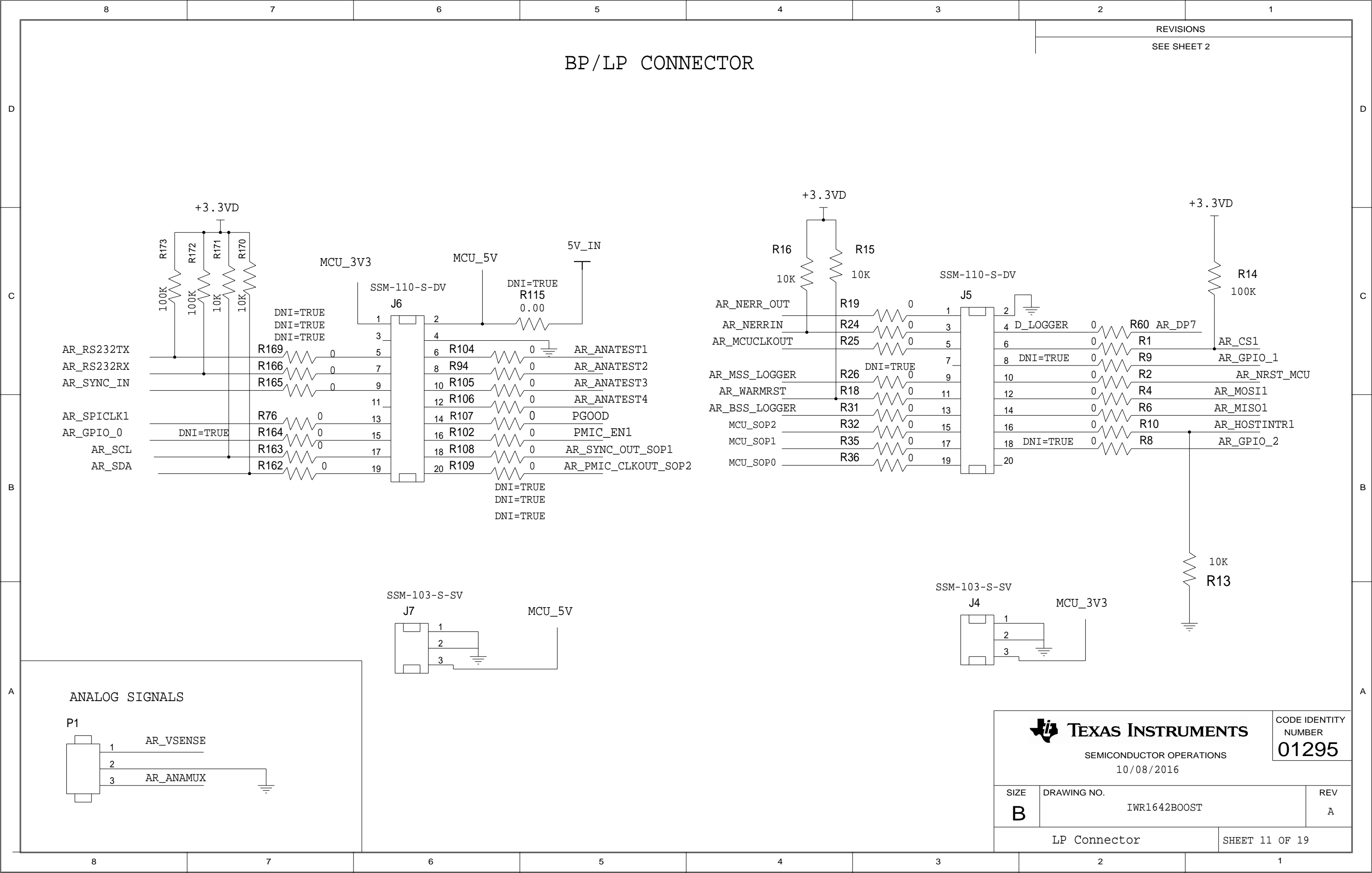
IWR1642BOOST

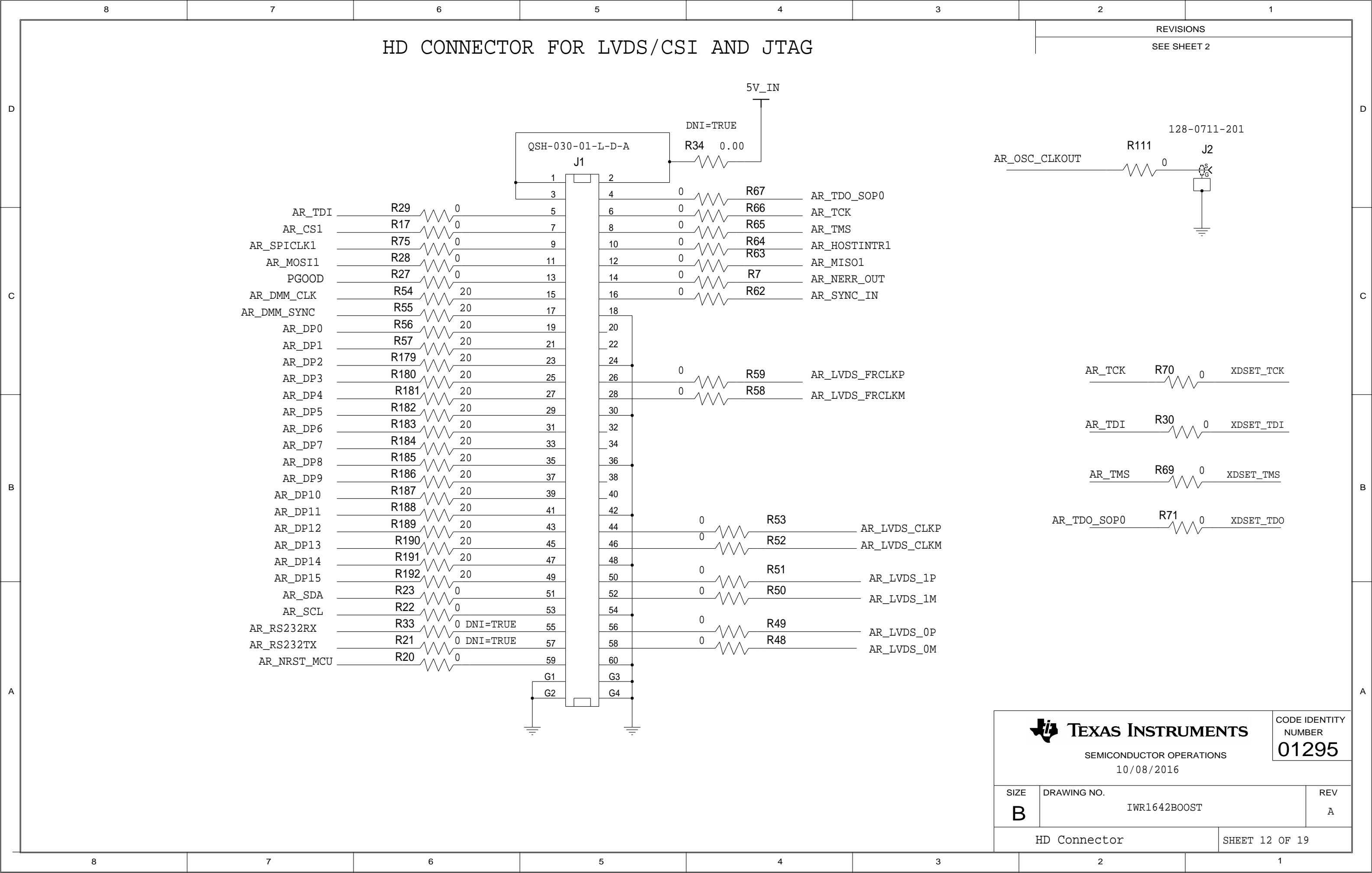
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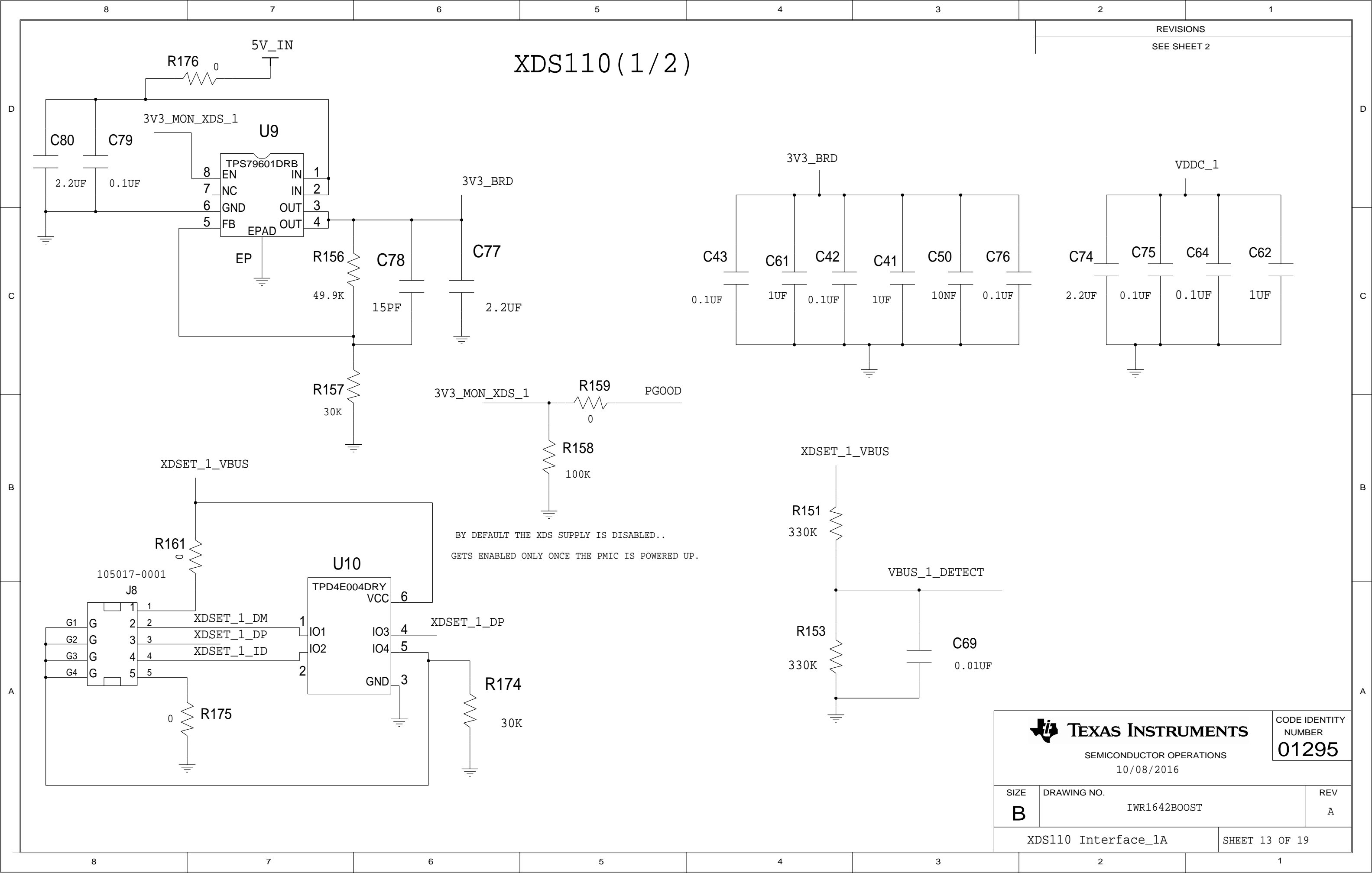
A

QSPI flash section

SHEET 10 OF 19



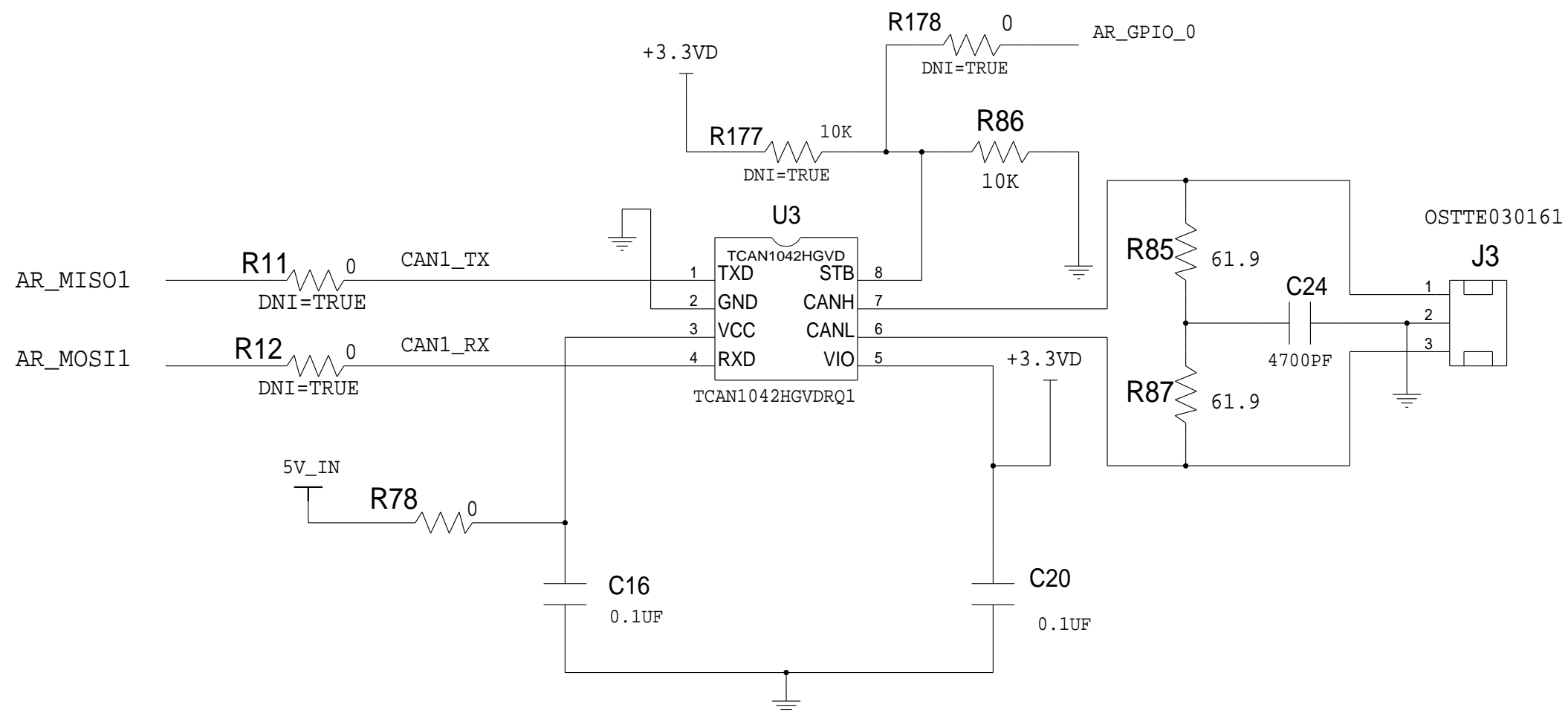




REVISIONS

SEE SHEET 2

CAN INTERFACE



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SEMICONDUCTOR OPERATIONS
10/08/2016

CODE IDENTITY NUMBER	
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01295

SIZE

B

DRAWING NO.

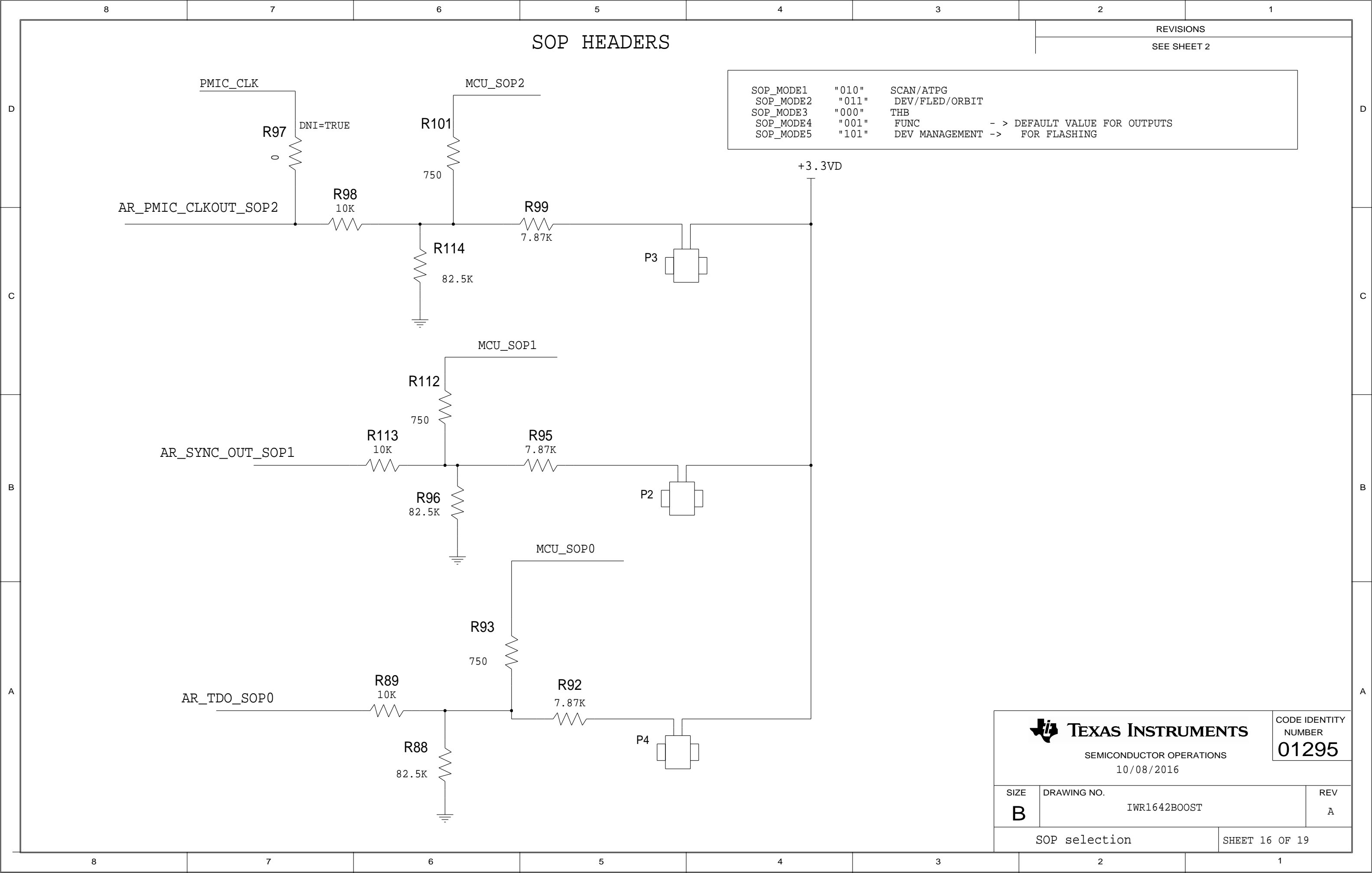
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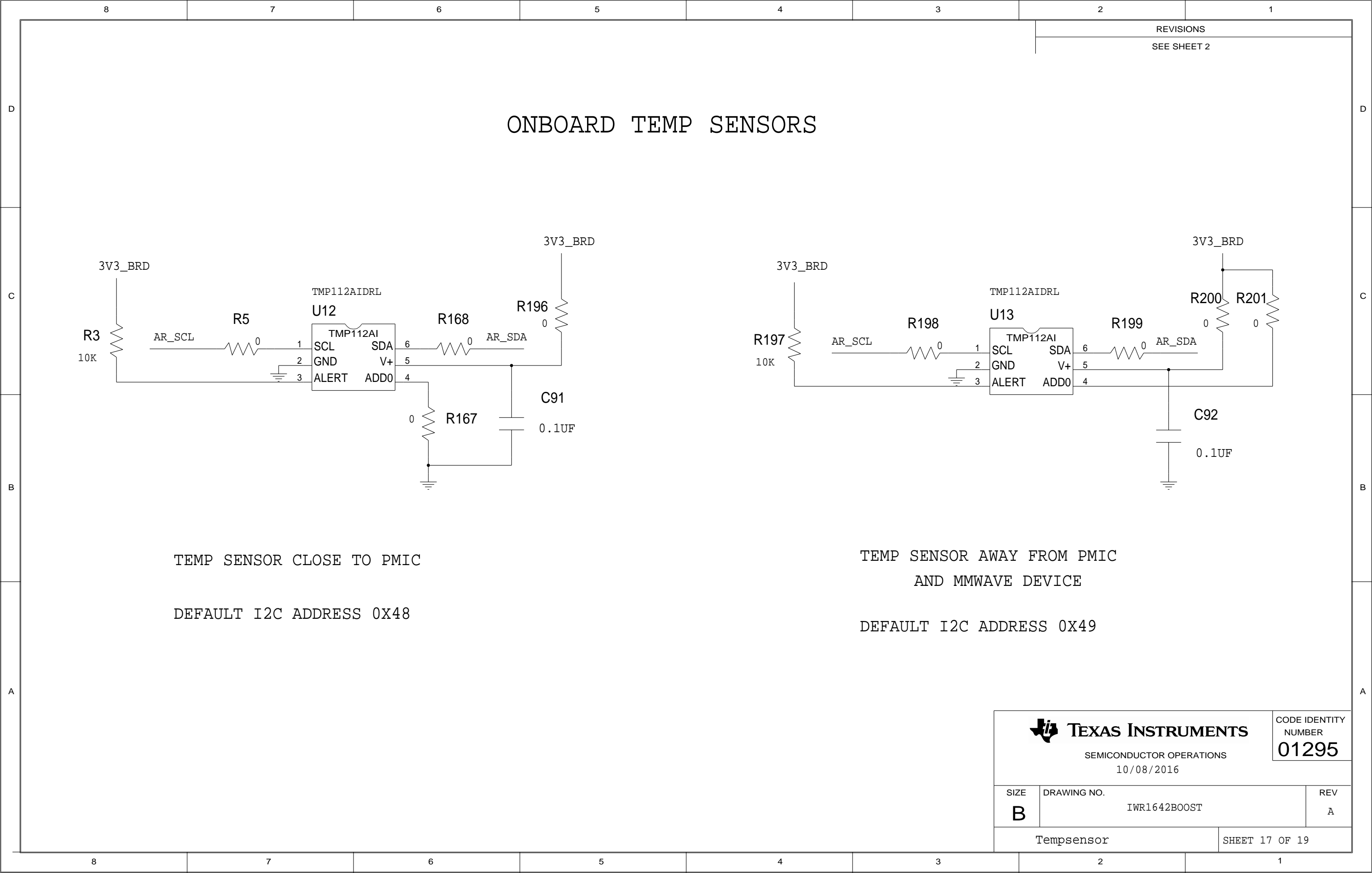
REV

A

CAN Interface

SHEET 15 OF 19





REVISIONS

SEE SHEET 2

REVISION HISTORY

CHANGES IN REV A

- 1) ADDED ZENER DIODE ON 5V INPUT TO PROTECT FROM HIGH VOLTAGES.
- 2) ONBOARD TEMPERATURE SENSORS.
- 3) FERRITE BEAD ON 5V SUPPLY.



TEXAS INSTRUMENTS

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10/08/2016

CODE IDENTITY NUMBER	
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01295

SIZE

B

DRAWING NO.

IWR1642BOOST

REV

A

Revision History

SHEET 18 OF 19

8

7

6

5

4

3

2

1

FD1

FD2

FD3

FD4

FD5

FD6

PCB LOGO

TEXAS INSTRUMENTS

PCB LOGO

ESD SENSITIVE

PCB LOGO

FCC DISCLAIMER

PCB LOGO

LAUNCHPAD COMPATIBLE

PCB LOGO

ROHS EXEMPT

PCB LABELS : THESE LABELS NEED TO BE PUT ON THE ASSEMBLED PCB

1) TOP SIDE OF THE PCB ->

IWR1642BOOST
REV A

2) BOTTOM SIDE OF THE PCB ->

IWR1642BOOST
REV A

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CODE IDENTITY NUMBER

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SIZE

B

DRAWING NO.

IWR1642BOOST

REV

A

Hardware

SHEET 19 OF 19

8

7

6

5

4

3

2

1