

SCHEMATIC DIAGRAMS

PRODUCT NAME ACO4A LPWA King

UNIT NAME _____

UNIT NO. DTNLPWALF 1

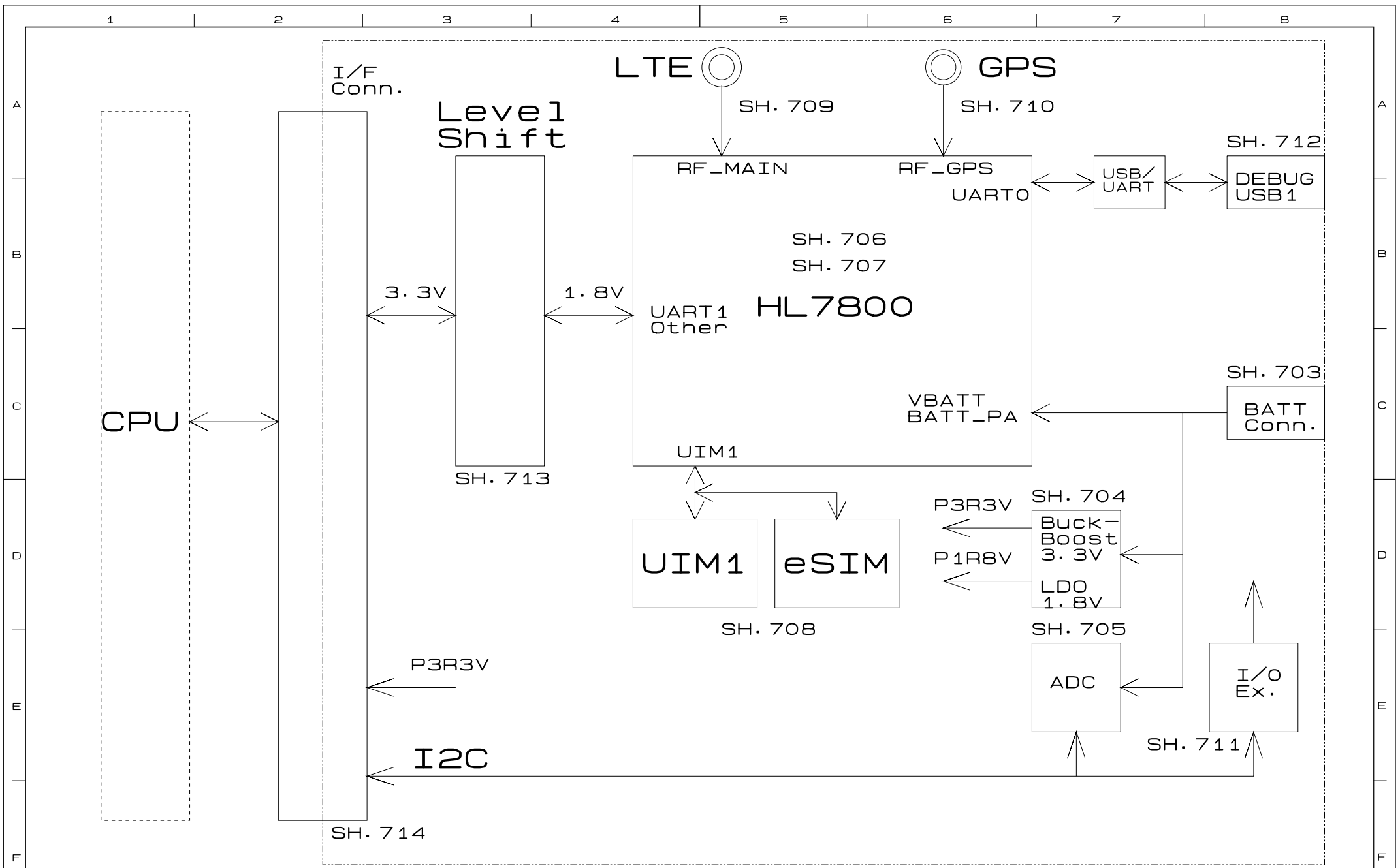
PWA NAME _____

PWA NO. _____

PAGE	SH.	FUNCTION	REV	PAGE	SH.	FUNCTION	REV
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2	002	Block Diagram	00	27			
3	703	Input PH	00	28			
4	704	POWER	00	29			
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6	706	HL7800(1)	00	31			
7	707	HL7800(2)	00	32			
8	708	USIM1	00	33			
9	709	LTE ANT CN	00	34			
10	710	GNSS ANT CN	00	35			
11	711	IO EXPANDER	00	36			
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		-	ACO4A LPWA King	15	1	01	DD1817225-16



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TITLE
AC04A LPWA King

FUNCTION
Block Diagram

SH. NO.
102

PAGE NO.
2

REV. MARK
00

DRAWING. NO.
DD1817225-16

1

2

3

4

5

6

7

8

A

B

C

D

E

F

A

B

C

D

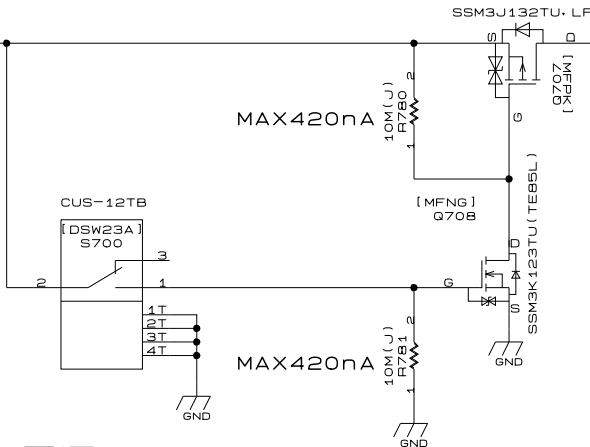
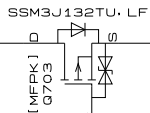
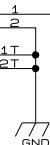
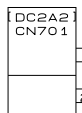
E

F

水平タイプ

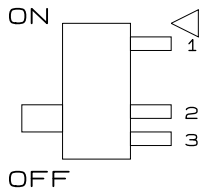
S2B-PH-SM4-TB(LF)(SN)

Li-ION Battery



PBAT

電源スイッチ



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TITLE
AC04A LPWA King

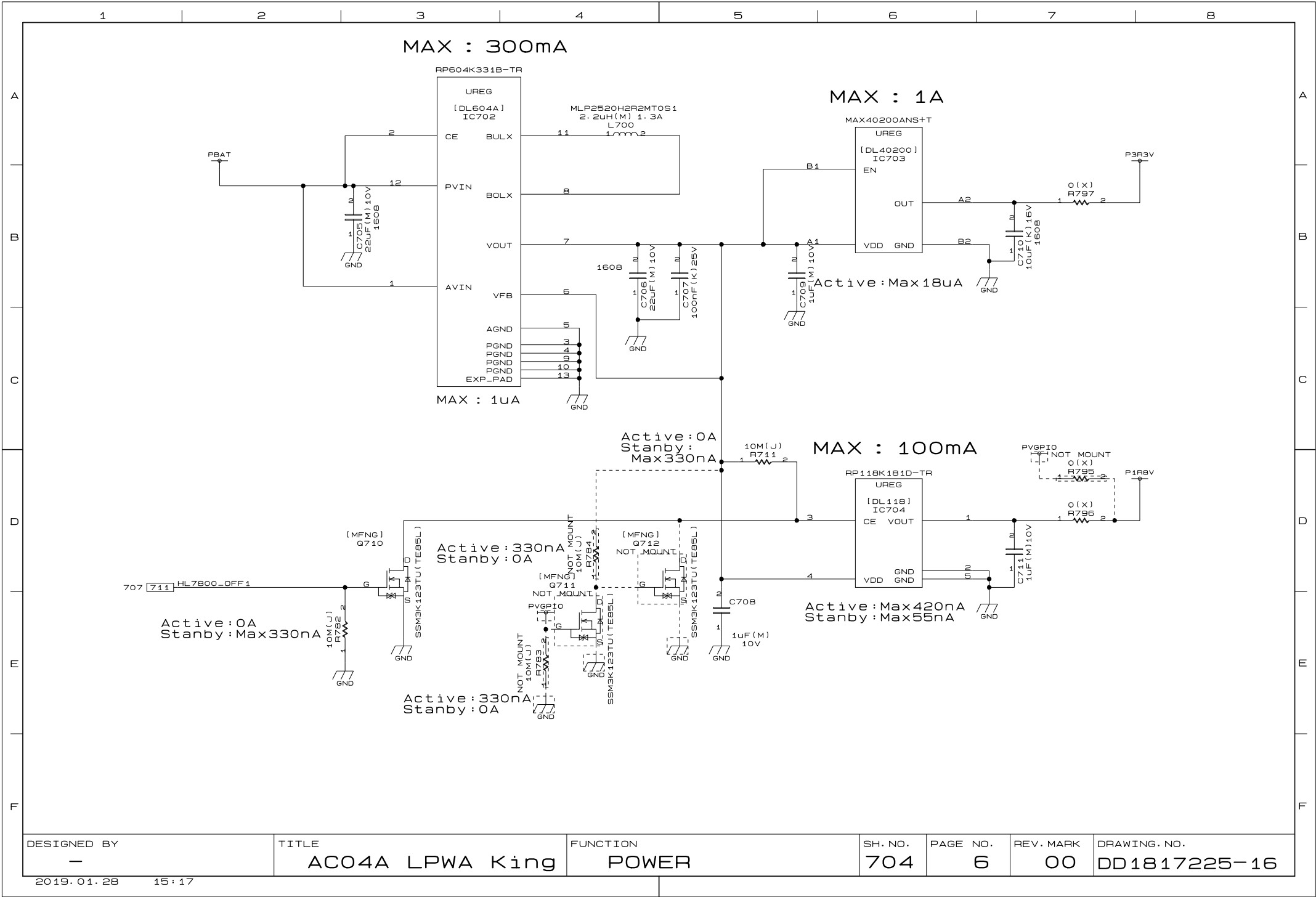
FUNCTION
Input PH

SH. NO.
703

PAGE NO.
5

REV. MARK
00

DRAWING. NO.
DD1817225-16



MAX : 300mA

MAX : 1A

MAX : 100mA

Active: 0A
Standby: Max330nA

Active: 330nA
Standby: 0A

Active: 330nA
Standby: 0A

Active: 0A
Standby: Max330nA

Active: Max420nA
Standby: Max550nA

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TITLE

FUNCTION

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REV. MARK

DRAWING. NO.

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AC04A LPWA King

POWER

704

6

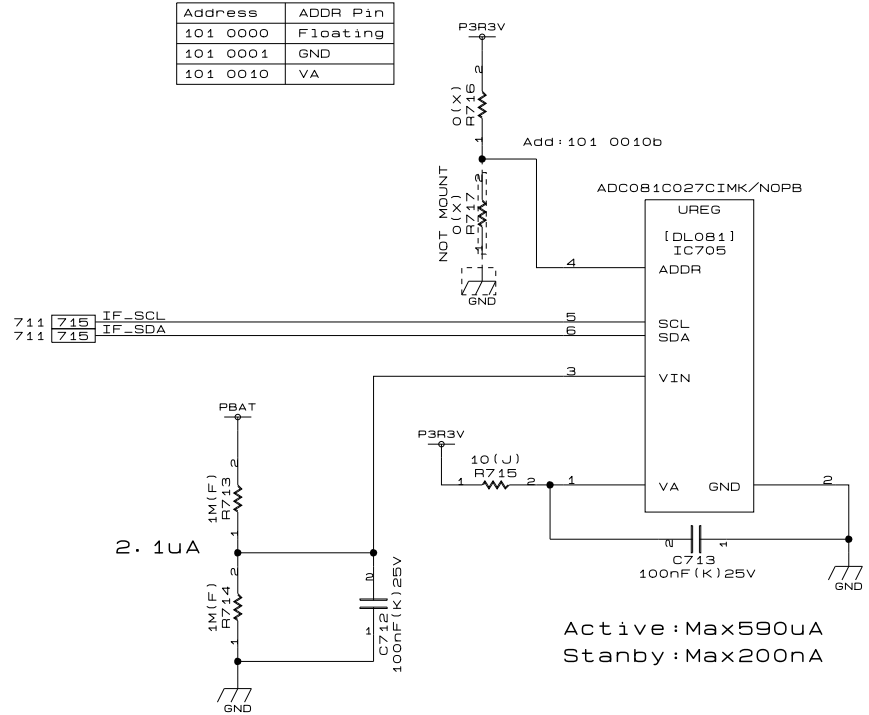
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DD1817225-16

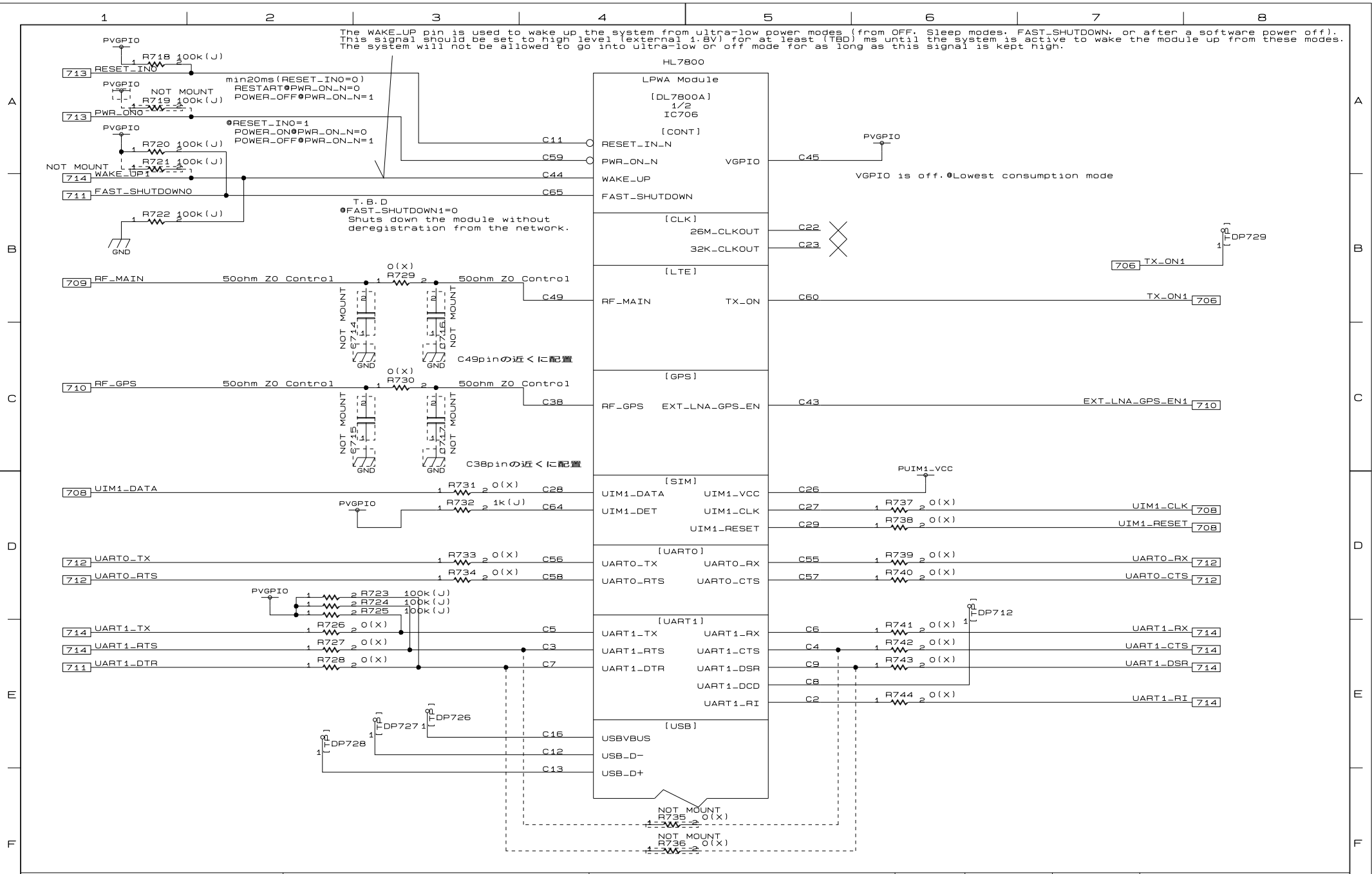
2019.01.28

15:17

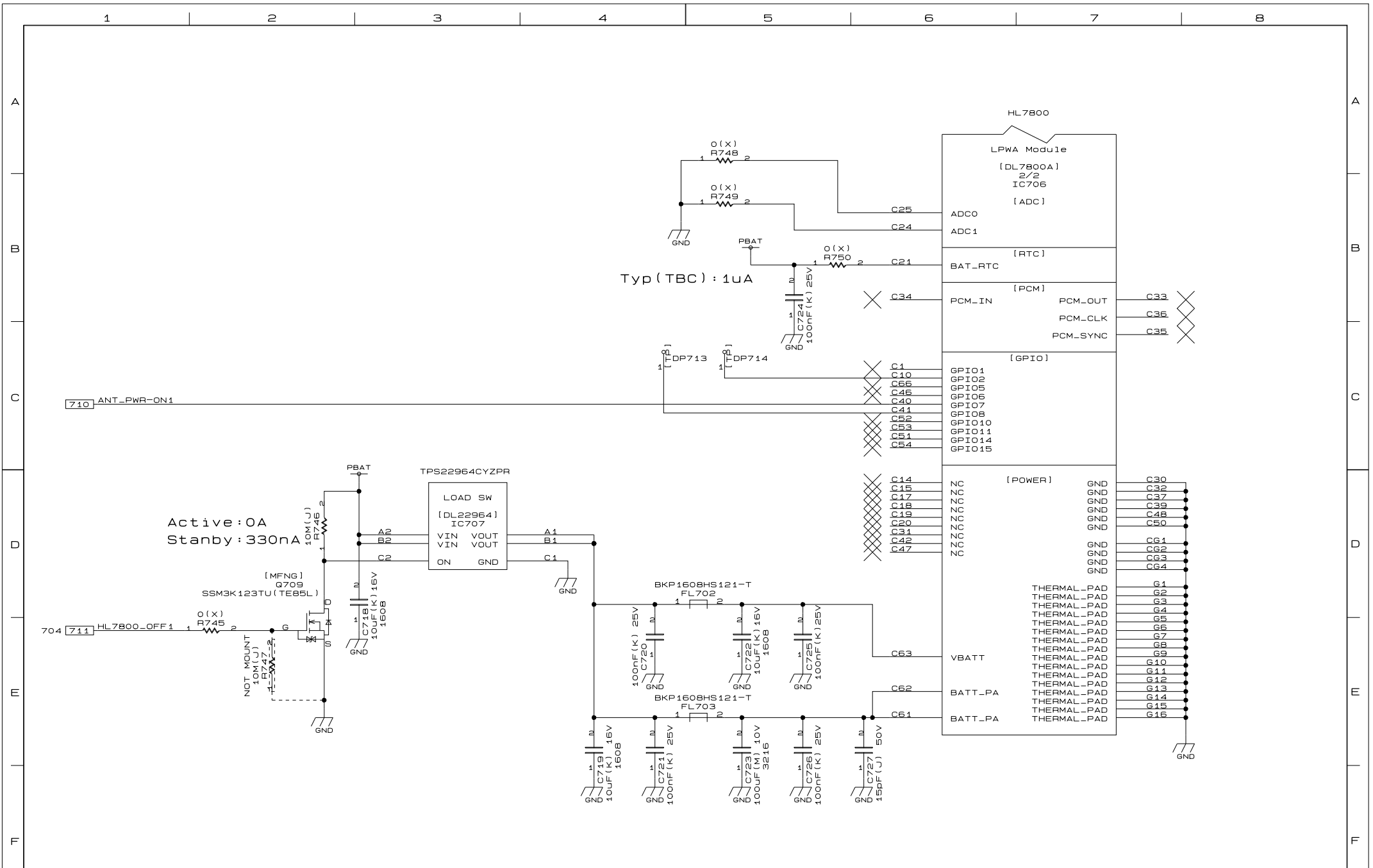
Address	ADDR Pin
101 0000	Floating
101 0001	GND
101 0010	VA



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DESIGNED BY -	TITLE ACO4A LPWA King	FUNCTION HL7800(1)	SH. NO. 706	PAGE NO. 8	REV. MARK 00	DRAWING. NO. DD1817225-16
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TITLE

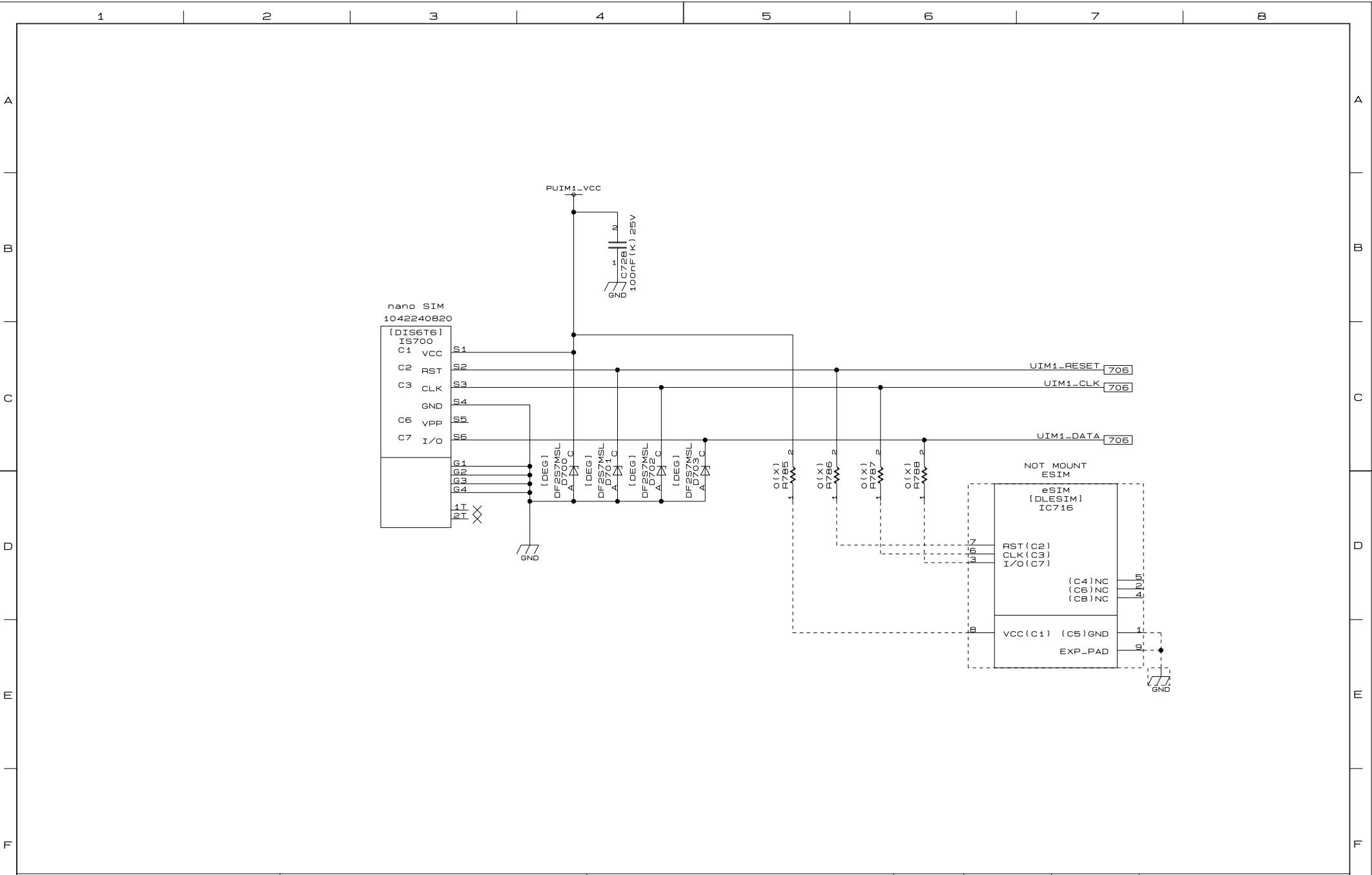
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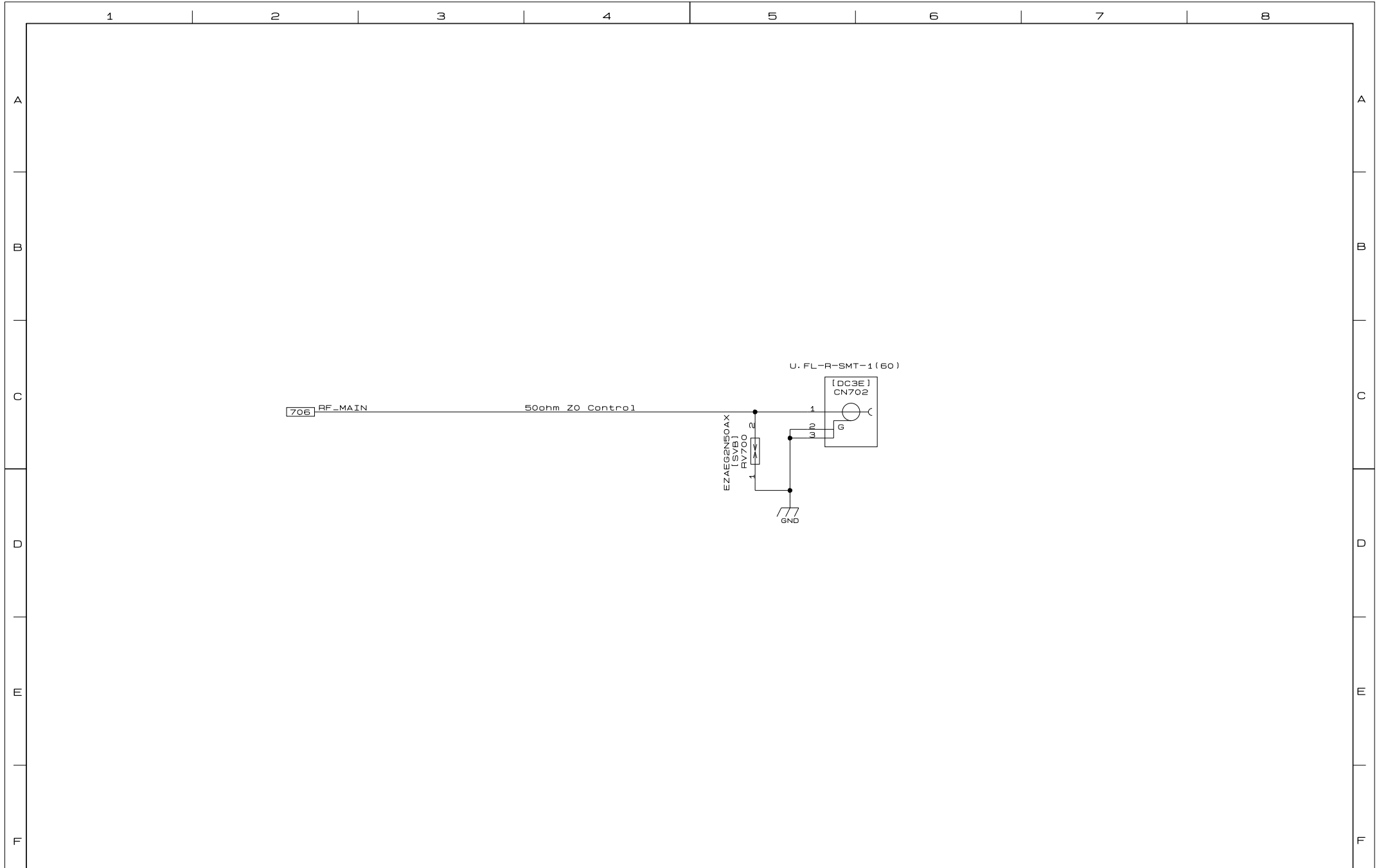
PAGE NO.

REV. MARK

DRAWING. NO.



DESIGNED BY -	TITLE ACO4A LPWA King	FUNCTION USIM1	SH. NO. 708	PAGE NO. 10	REV. MARK 00	DRAWING. NO. DD1817225-16
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TITLE
ACO4A LPWA King

FUNCTION
LTE ANT CN

SH. NO.
709

PAGE NO.
11

REV. MARK
00

DRAWING. NO.
DD1817225-16

1 2 3 4 5 6 7 8

A

B

C

D

E

F

A

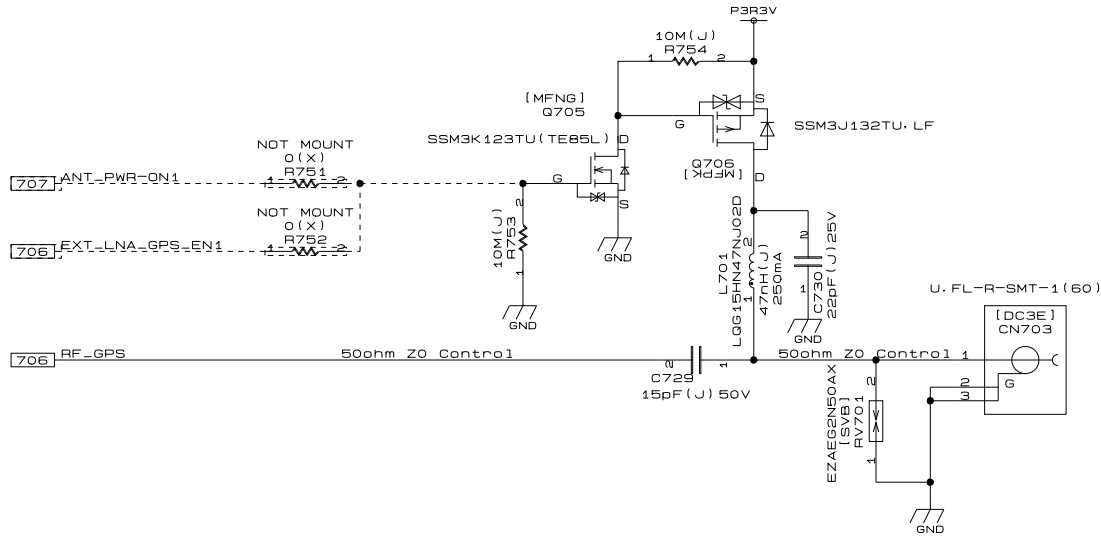
B

C

D

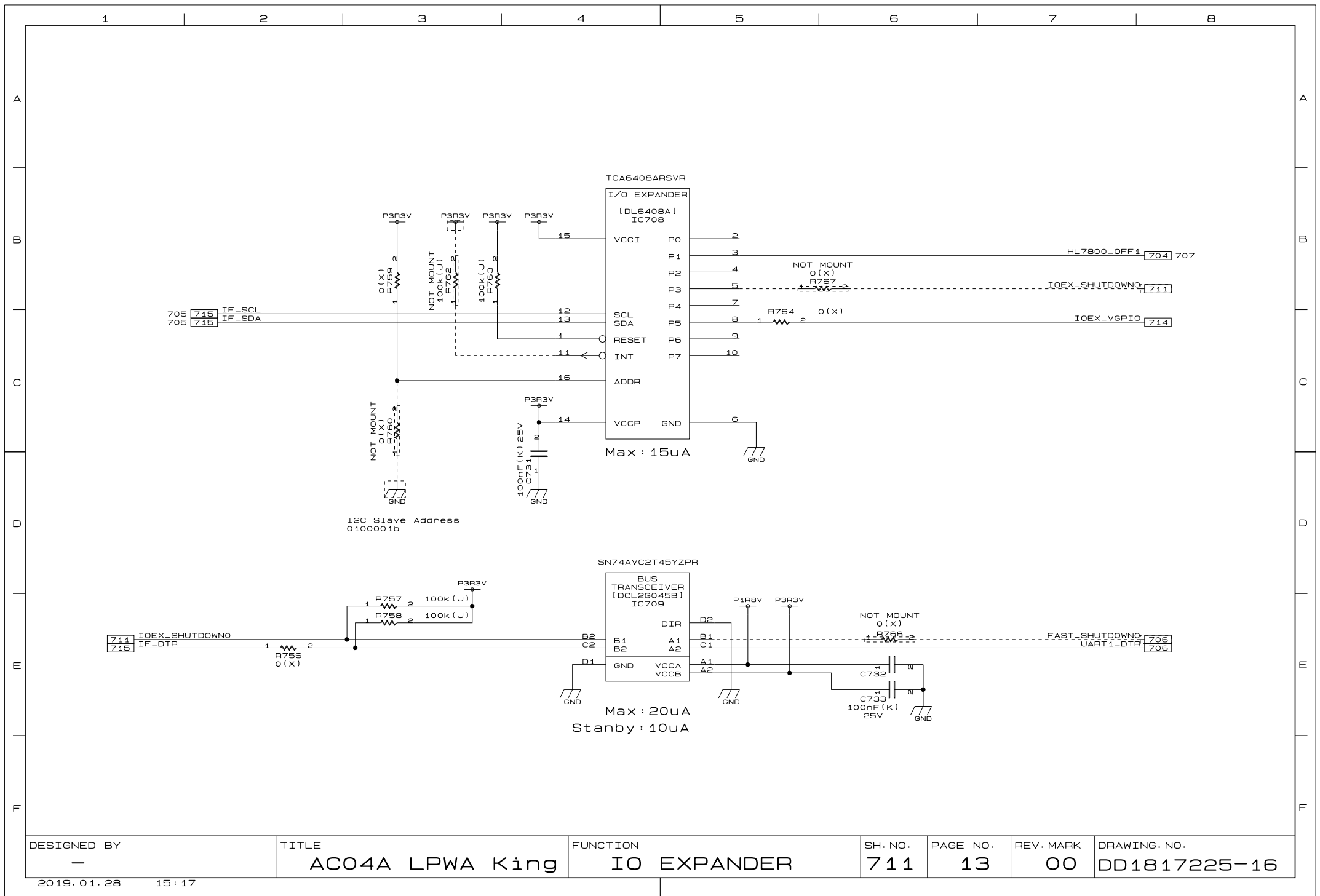
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F



DESIGNED BY -	TITLE ACO4A LPWA King	FUNCTION GNSS ANT CN	SH. NO. 710	PAGE NO. 12	REV. MARK 00	DRAWING. NO. DD1817225-16
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TITLE

ACO4A LPWA King

FUNCTION

IO EXPANDER

SH. NO.

711

PAGE NO.

13

REV. MARK

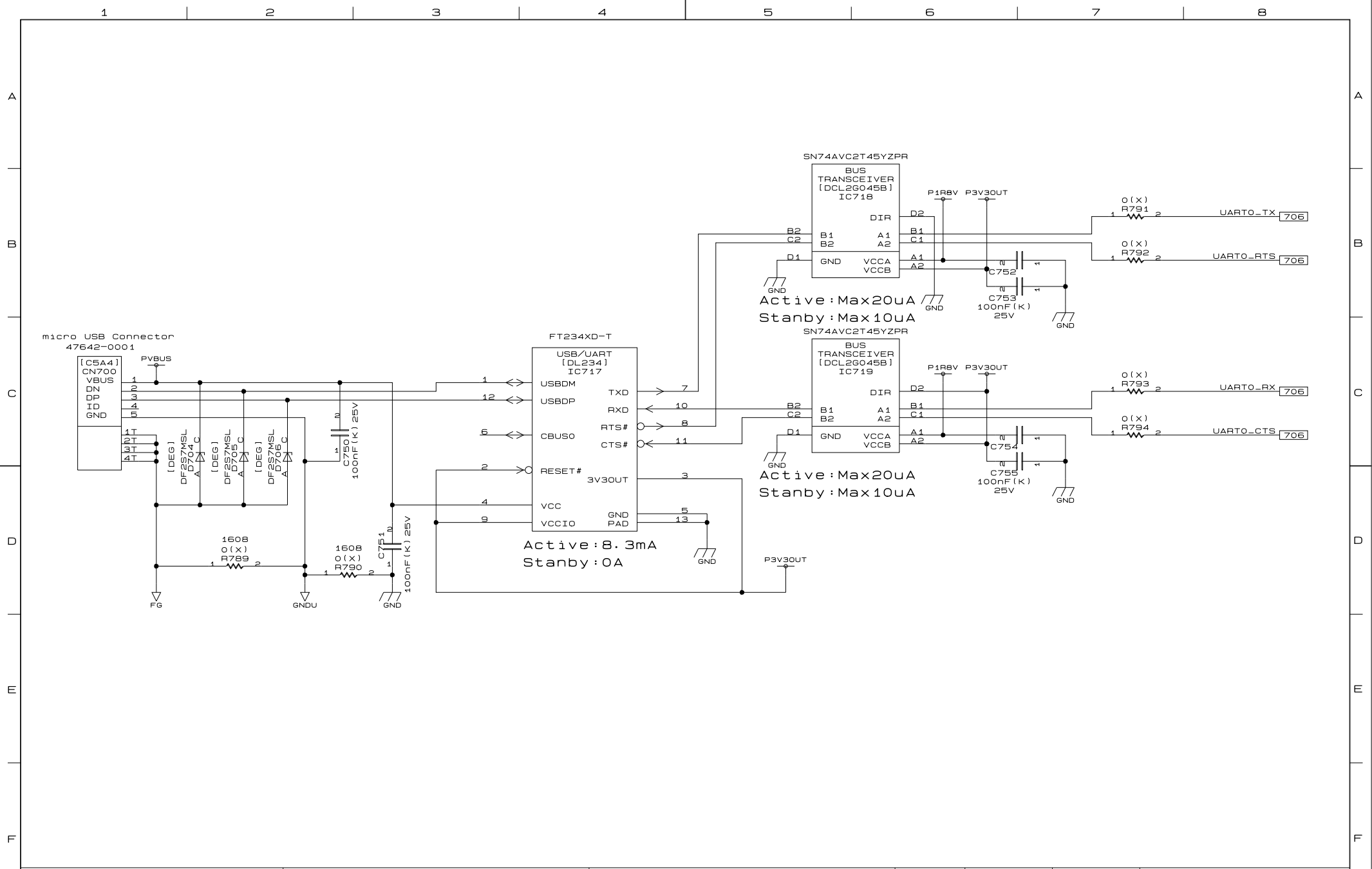
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DRAWING. NO.

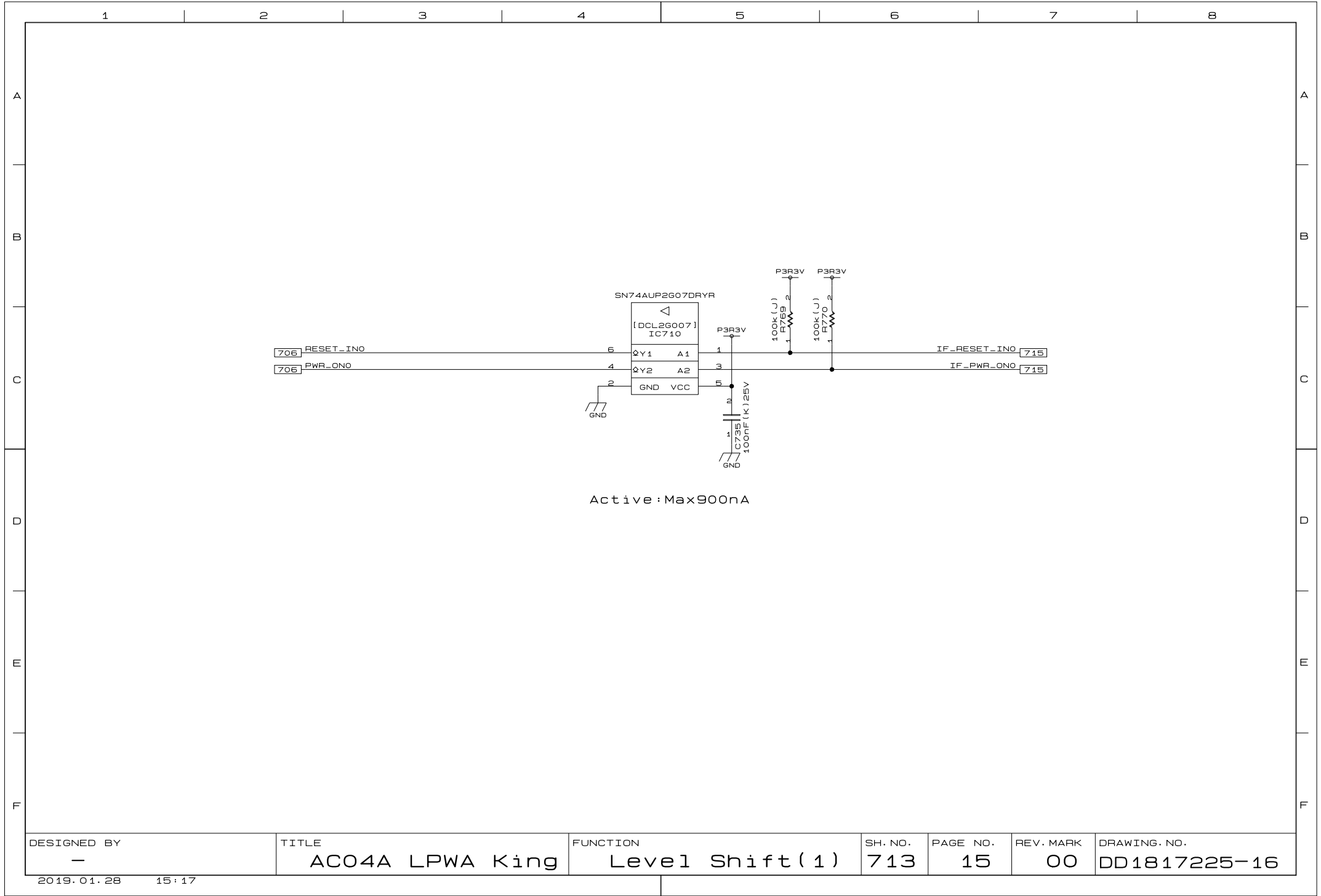
DD1817225-16

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DESIGNED BY	TITLE	FUNCTION	SH. NO.	PAGE NO.	REV. MARK	DRAWING. NO.
-	ACO4A LPWA King	DEBUG CN	712	14	00	DD1817225-16



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TITLE

AC04A LPWA King

FUNCTION

Level Shift(1)

SH. NO.

713

PAGE NO.

15

REV. MARK

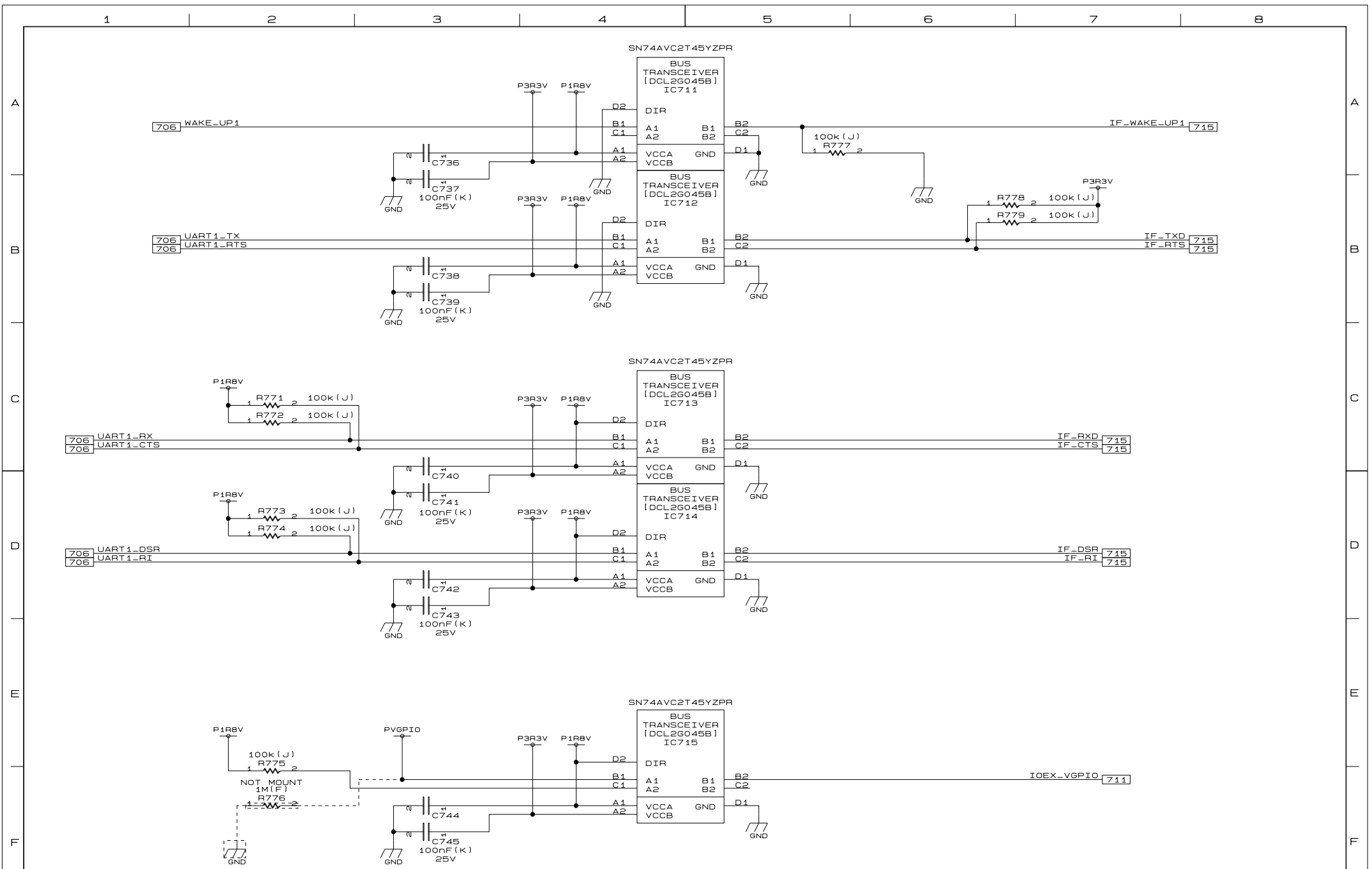
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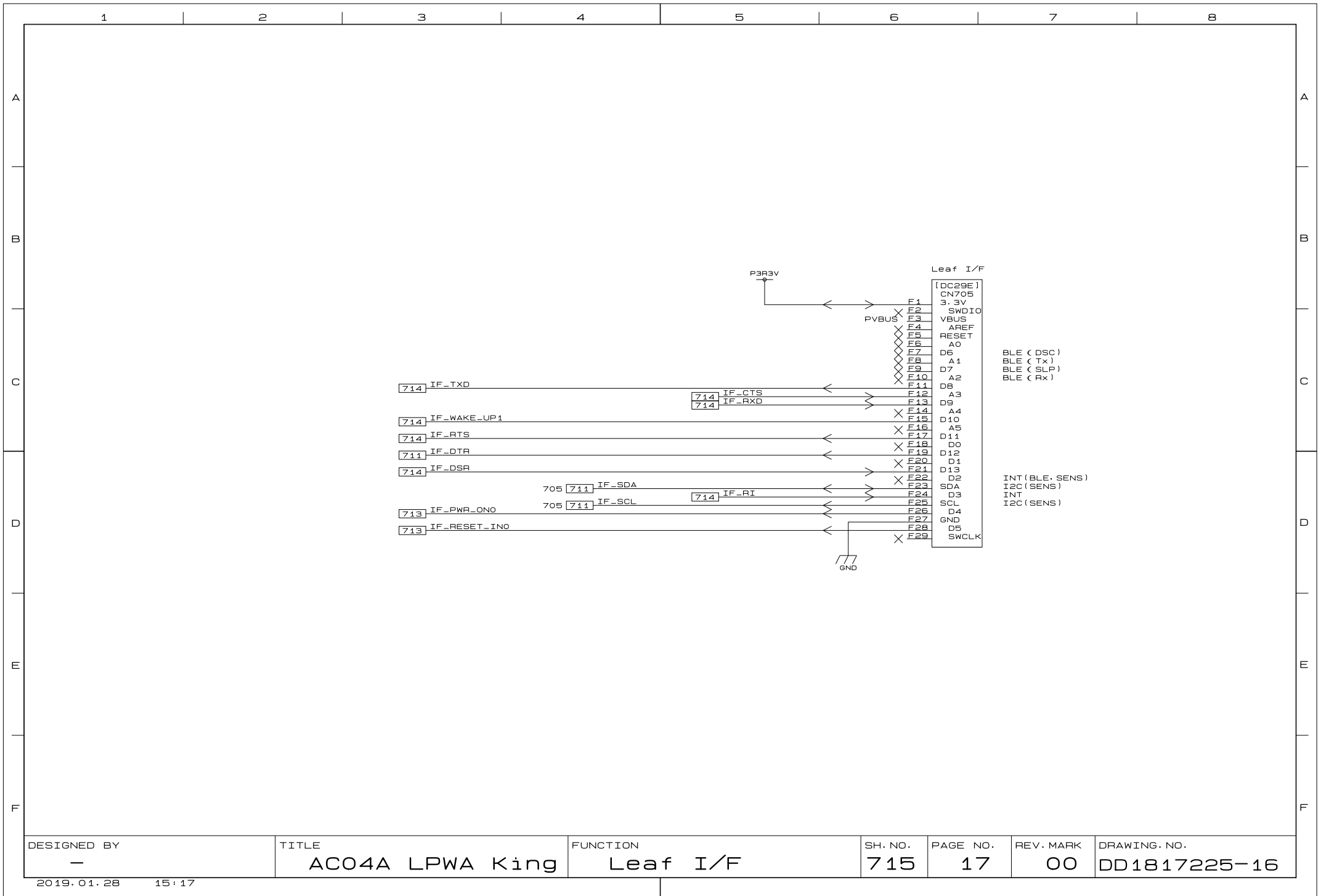
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-	ACO4A LPWA King	Level Shift(2)	714	16	00	DD1817225-16

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TITLE

ACO4A LPWA King

FUNCTION

Leaf I/F

SH. NO.

715

PAGE NO.

17

REV. MARK

00

DRAWING. NO.

DD1817225-16

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15:17