# **Evaluation Kit RE01 1500KB Main Board Schematics**

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## Note:

C : Capacitor D : Diode

R : Fixed Resistor RV : Potentiometer

L: Inductor

U : Integrated Circuit X : Crystal, Oscillator RES : Reset Switch

SW: Switch

**LED**: Light Emitting Diode

PWR : Power Jack
J : Connector, Jumper

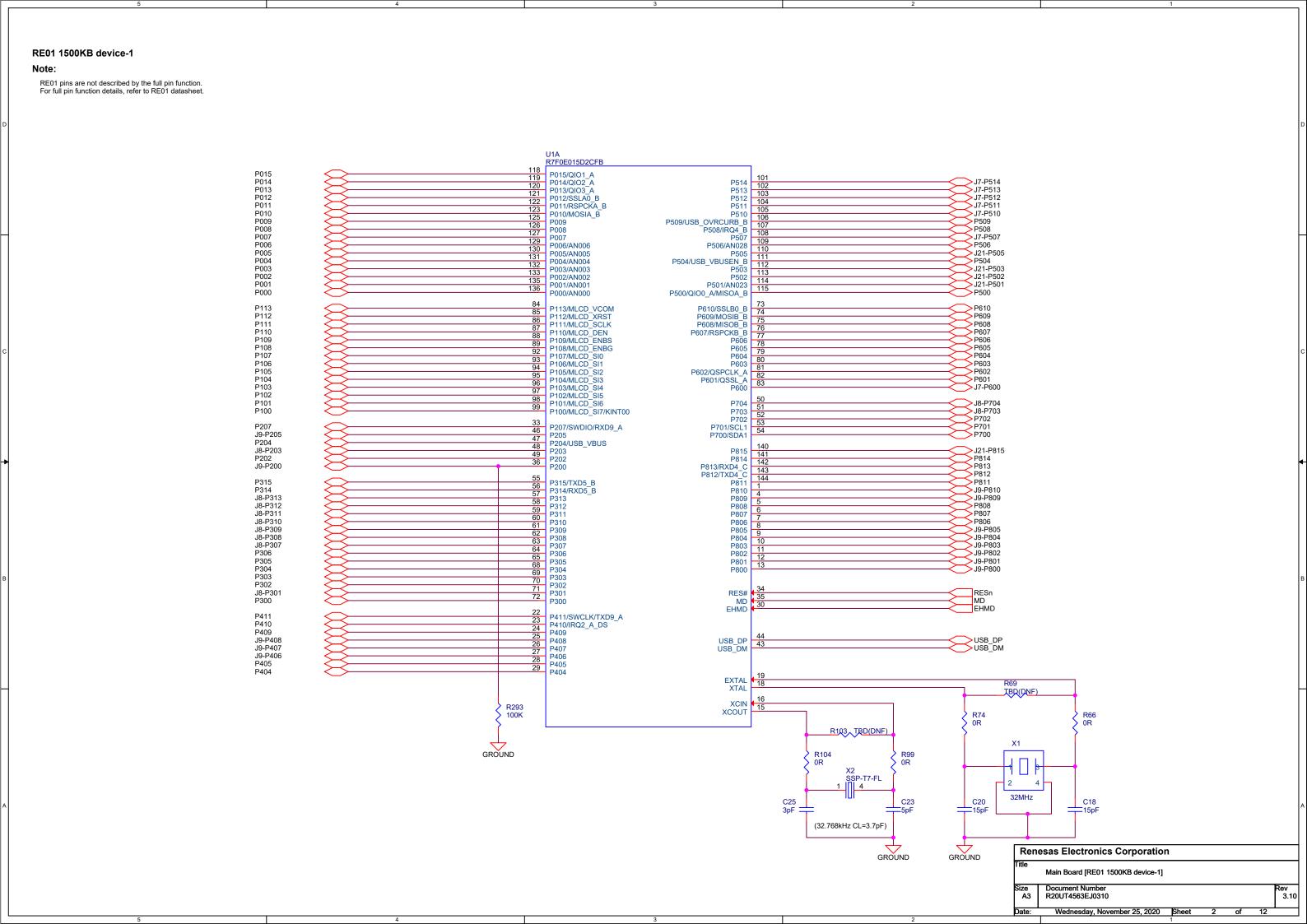
## **Board Code:**

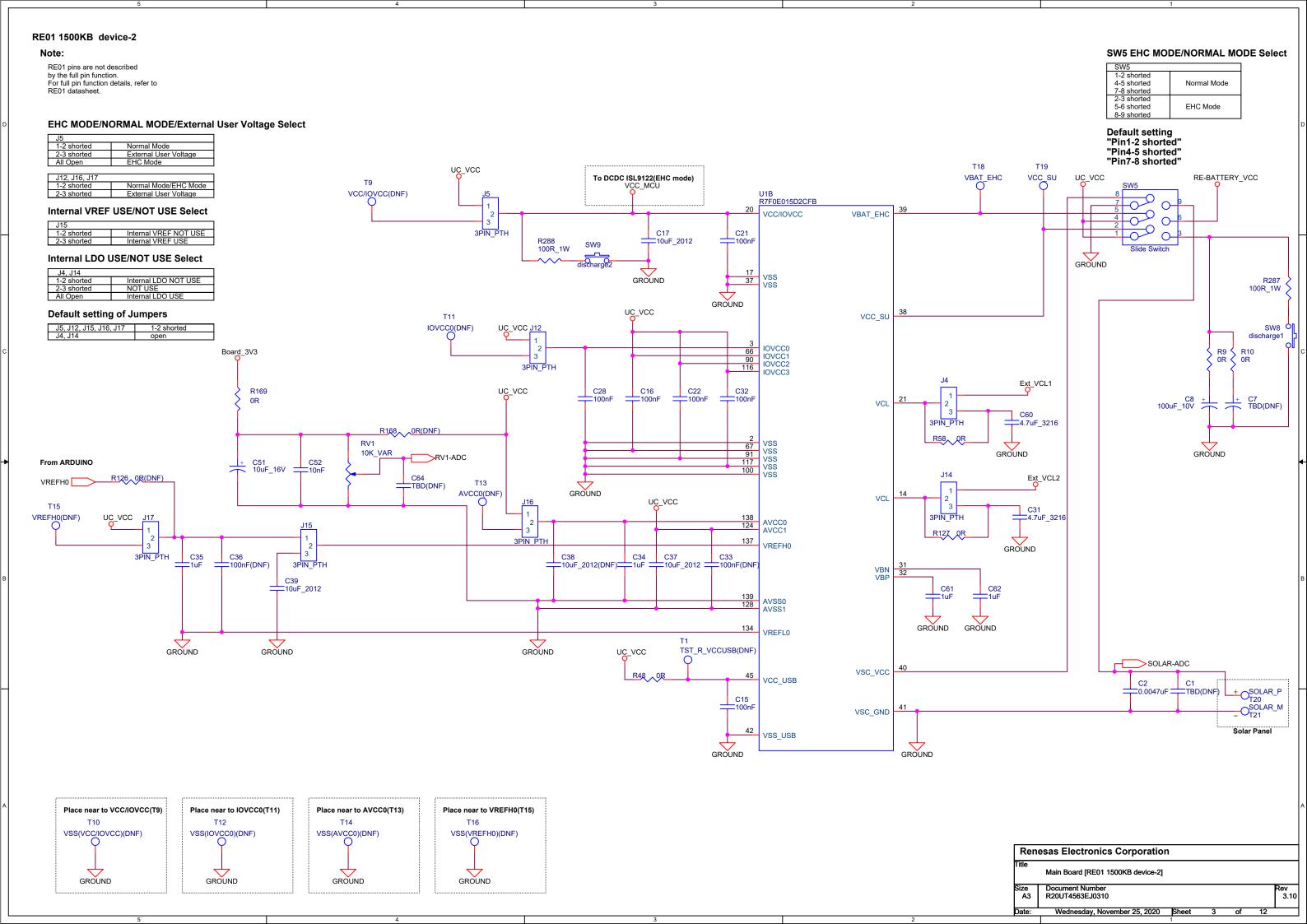
RTK70E015DC00000BE : MP main board of Evaluation Kit RE01 1500KB

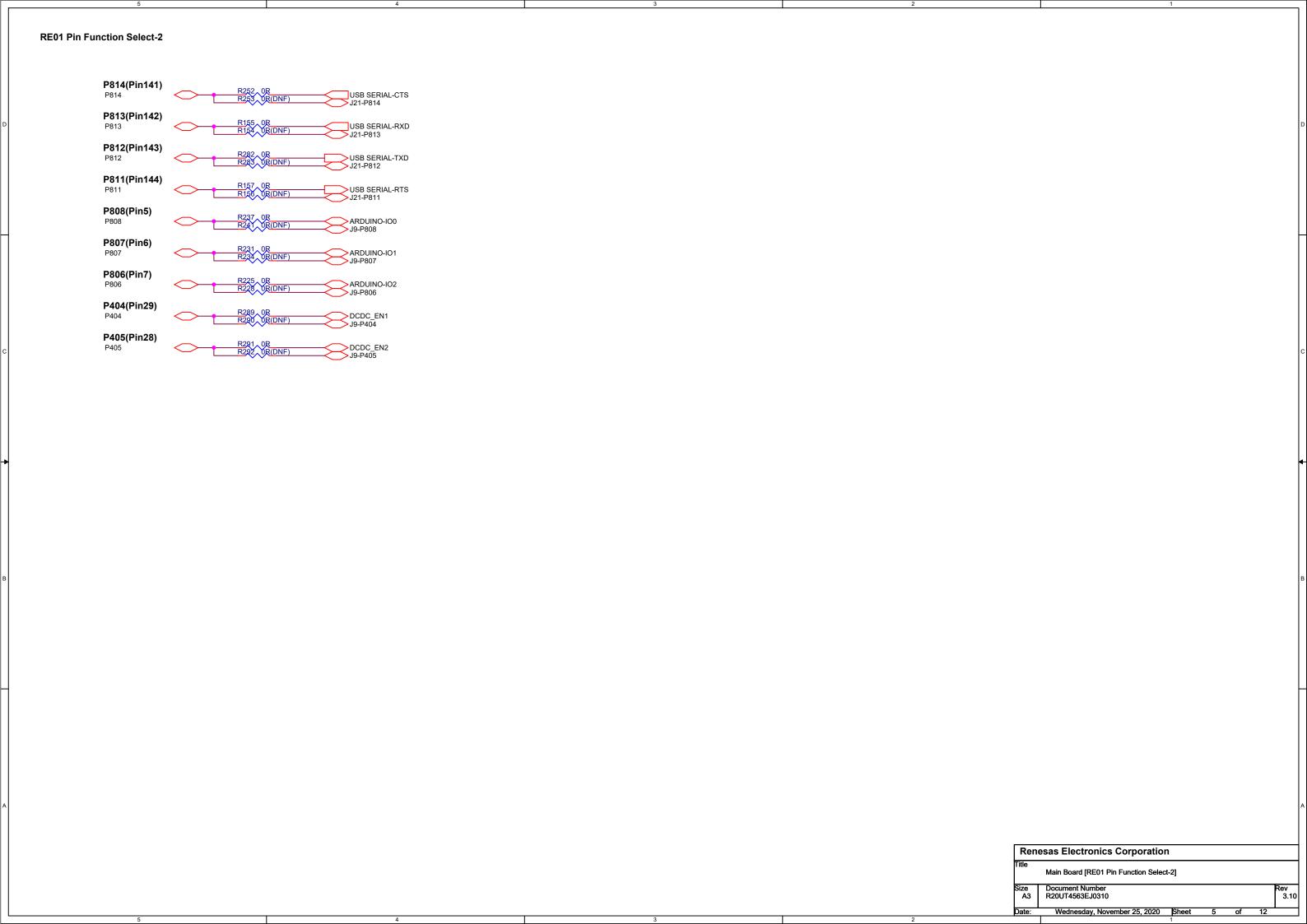
**REE Drawing No. D016272\_04** 

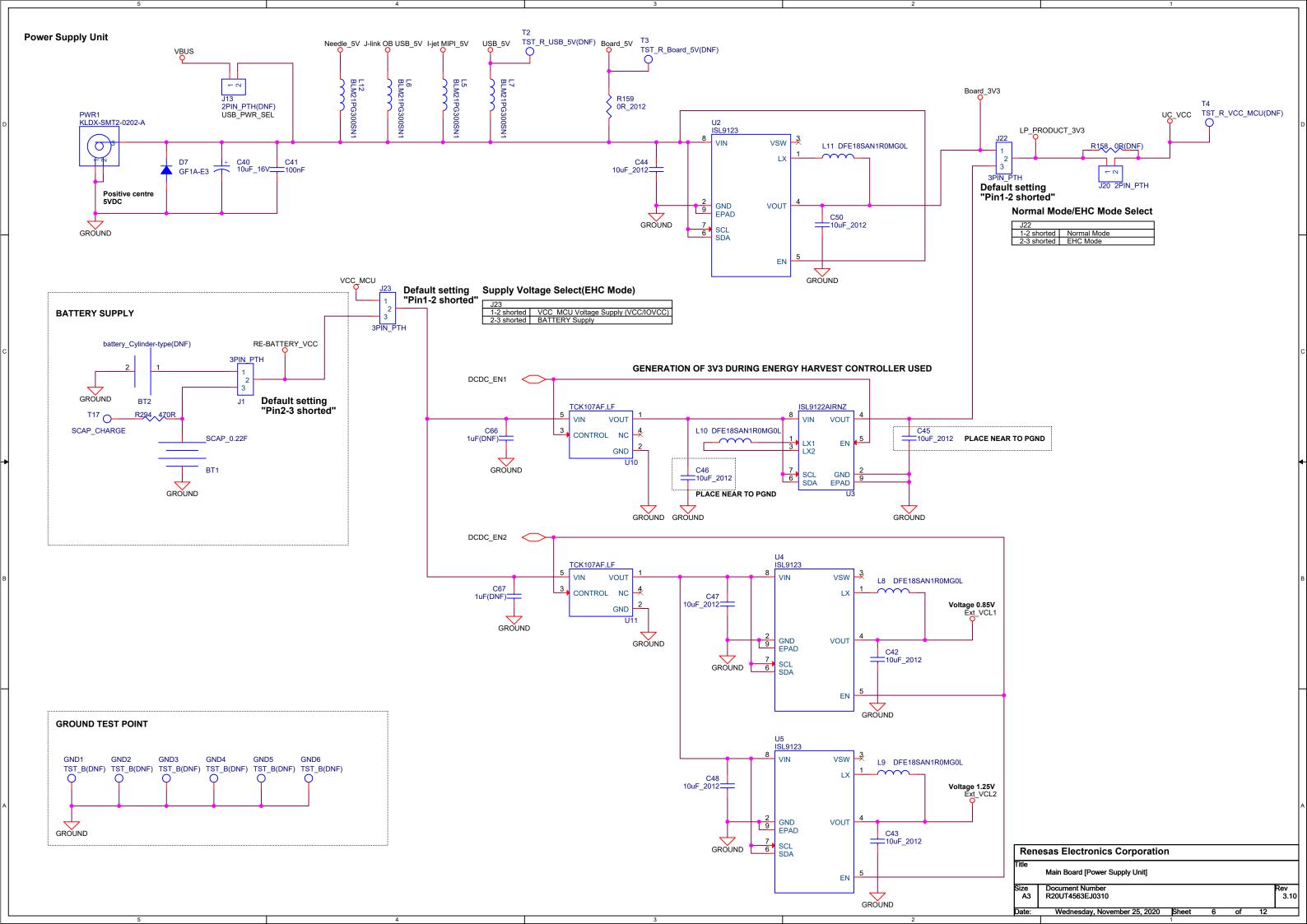
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Renesas Electronics Corporation							
Title	Main Board [Index]						
Size	Document Number					Rev	
А3	R20UT4563EJ0310					3	
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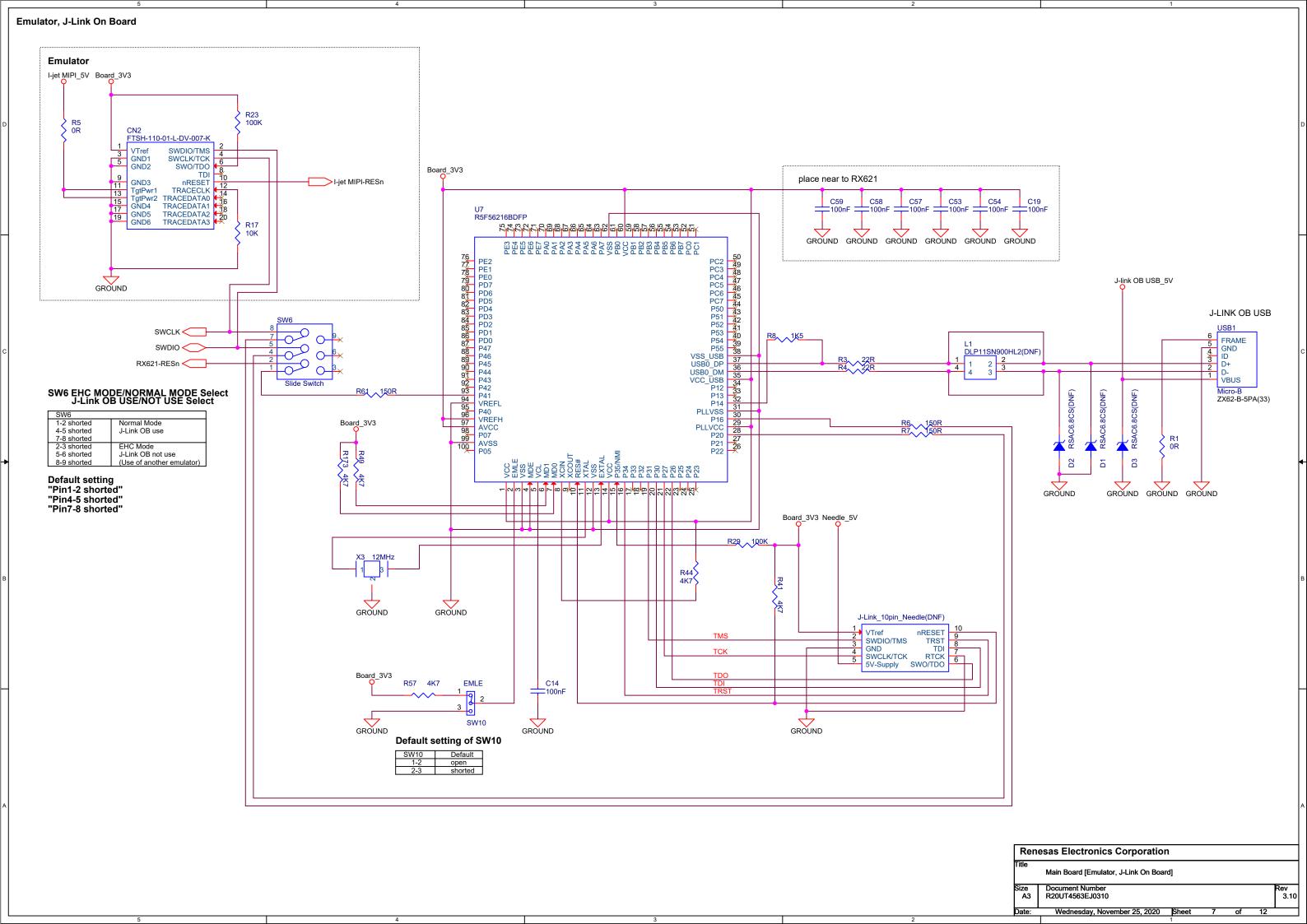
<sup>\* &</sup>quot;DNF" marking means that component is not fitted by default.



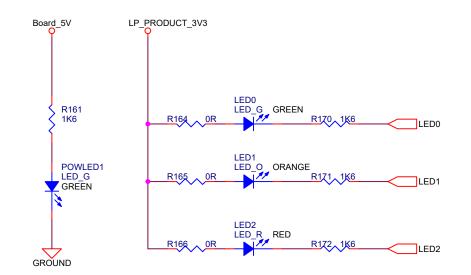


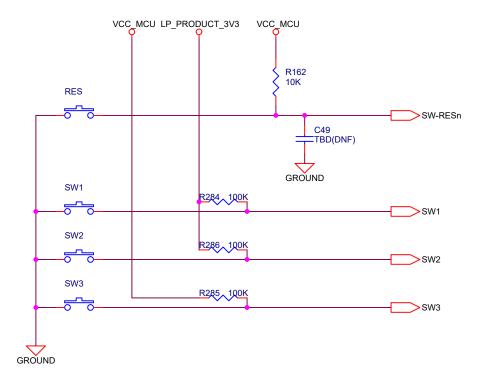






#### RESET, Switches, LEDs, Mode Setting



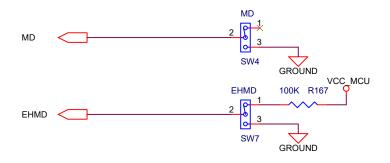


#### **Operating and Startup Mode Setting**

#### **Operating Mode and Startup Mode Setting**

SW4	SW7	Operating Mode	Startup Mode
1-2 shorted	1-2 shorted	Single Chip Mode	Energy harvesting startup
1-2 shorted	2-3 shorted		Normal startup
2 2 aborted	DONIT CARE	CCI/LICD Doot Mode	

Note: Recommended to pull up the MD pin. Use VCC\_MCU as the power supply for the pull-up.



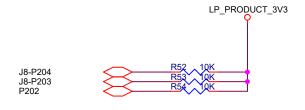
#### Default setting of SW4

SW4	Default
1-2	shorted
2-3	open

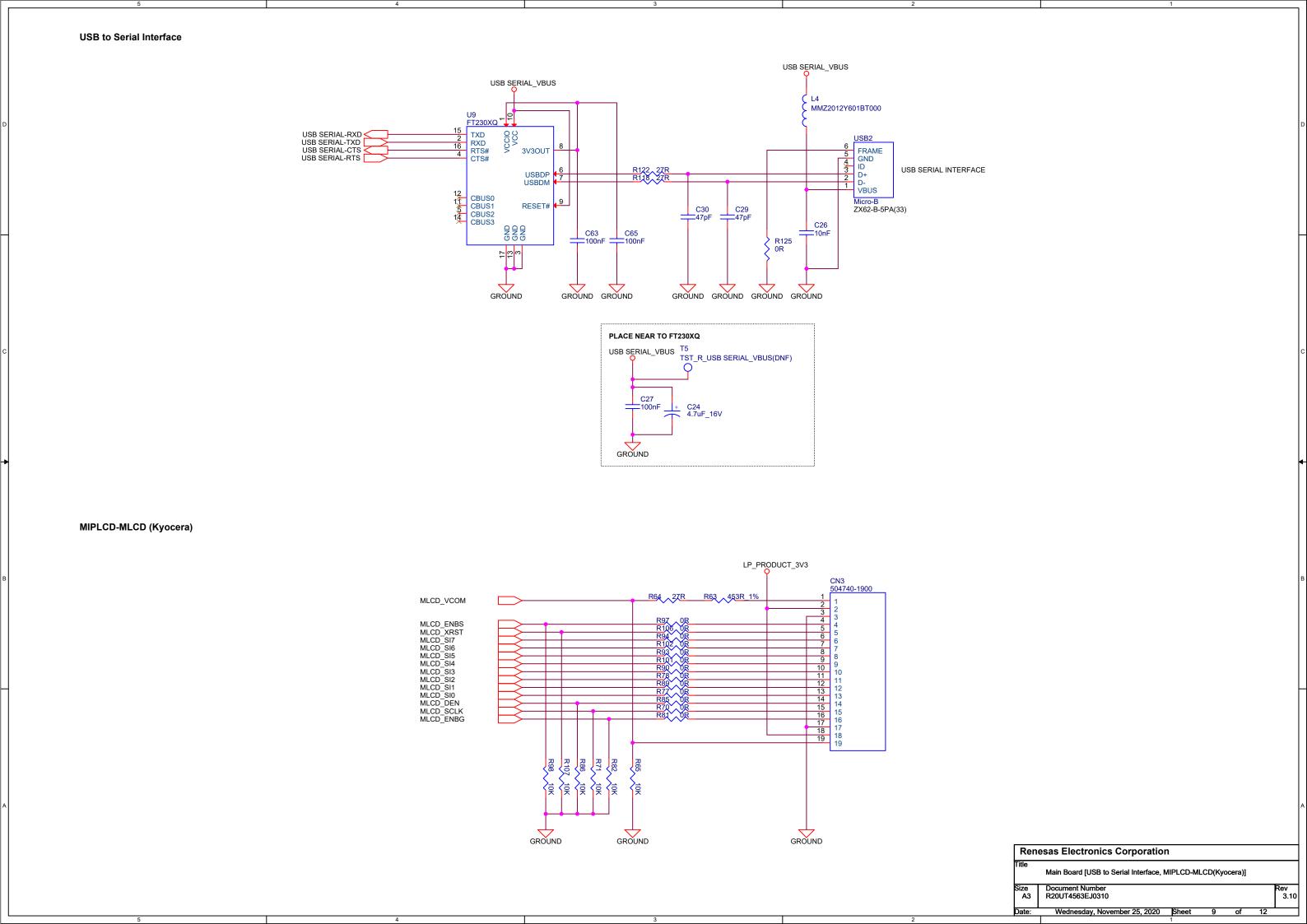
#### Default setting of SW7

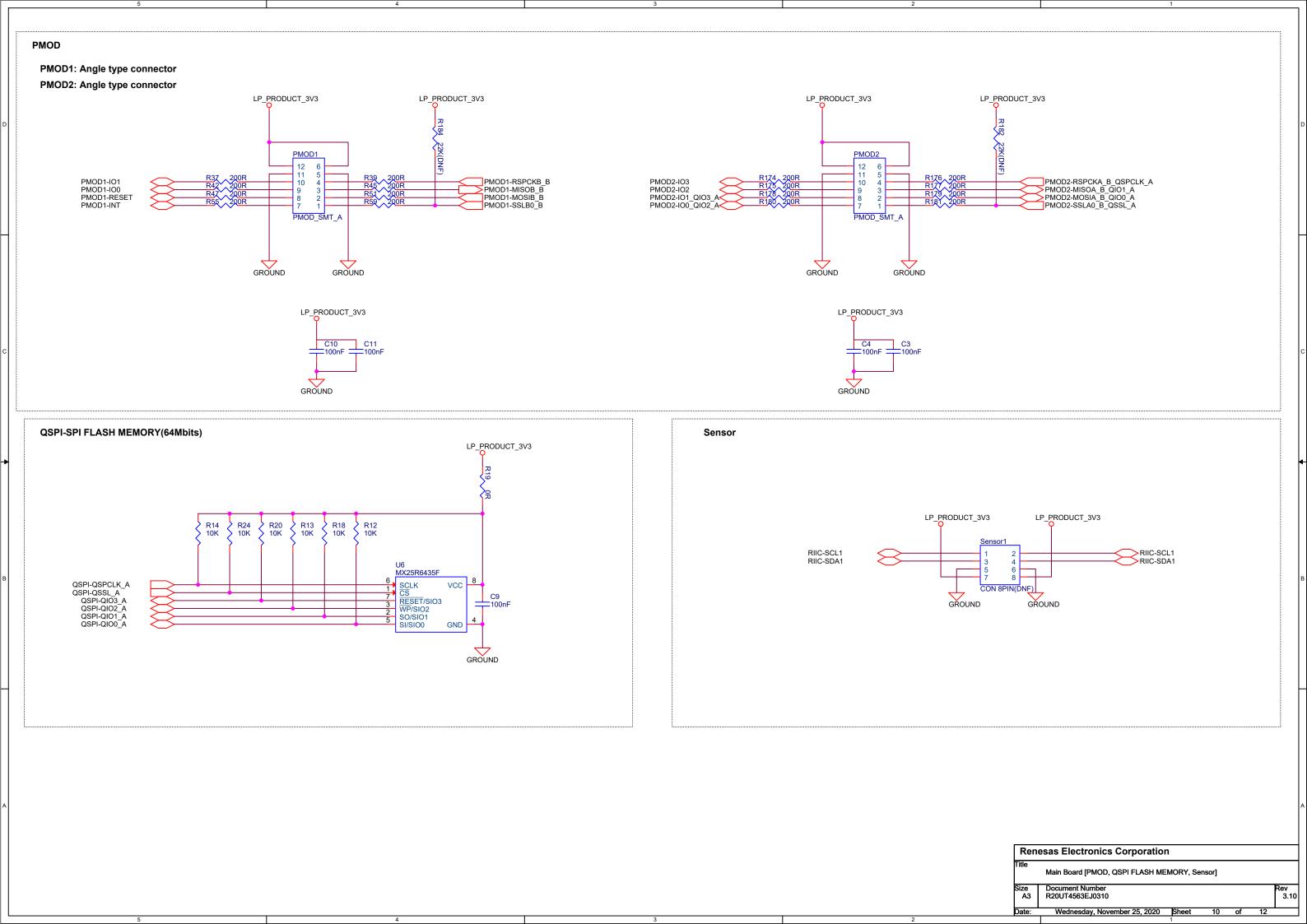
SW7	Default	
1-2	open	
2-3	shorted	

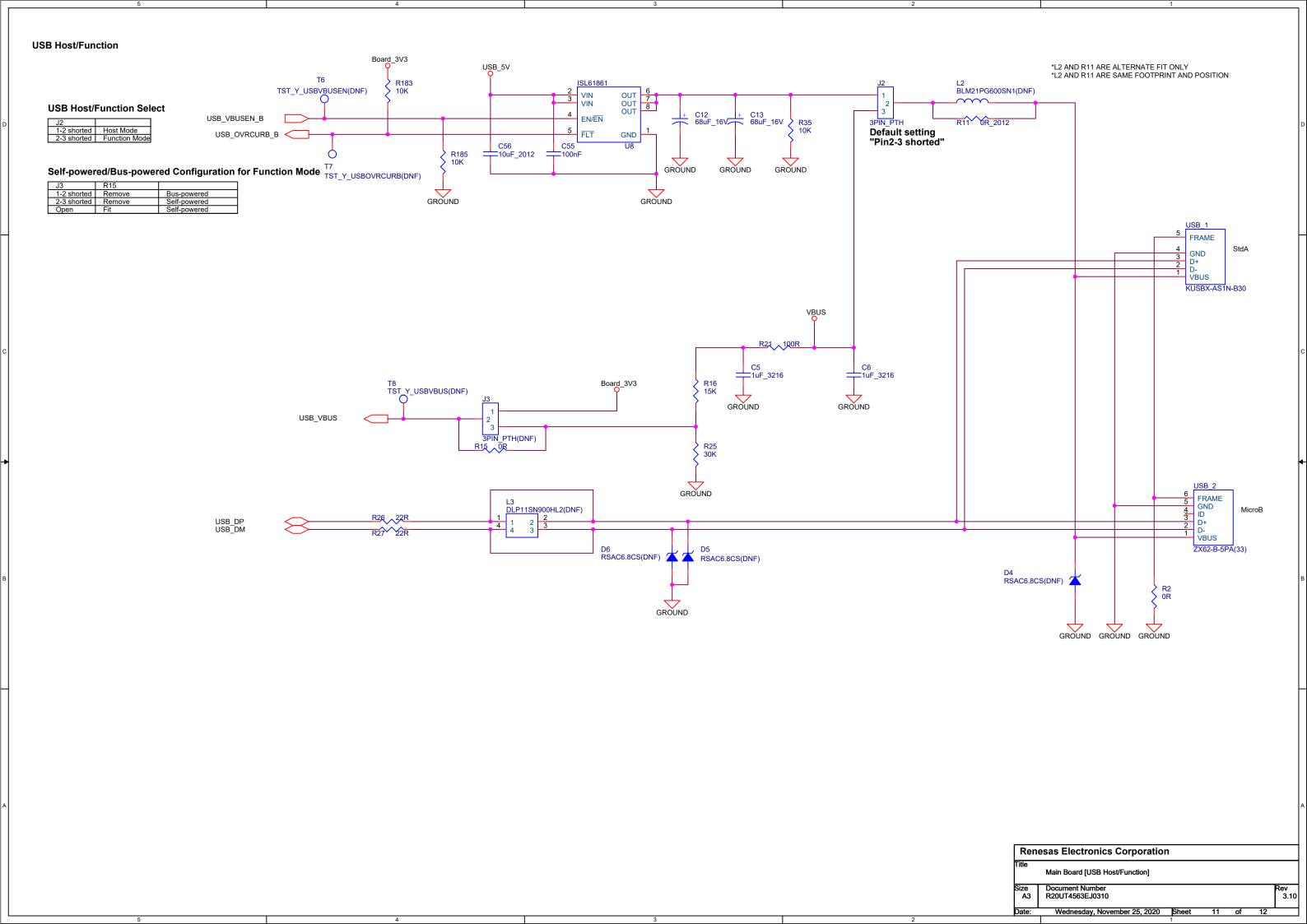
#### Pull-up resistors

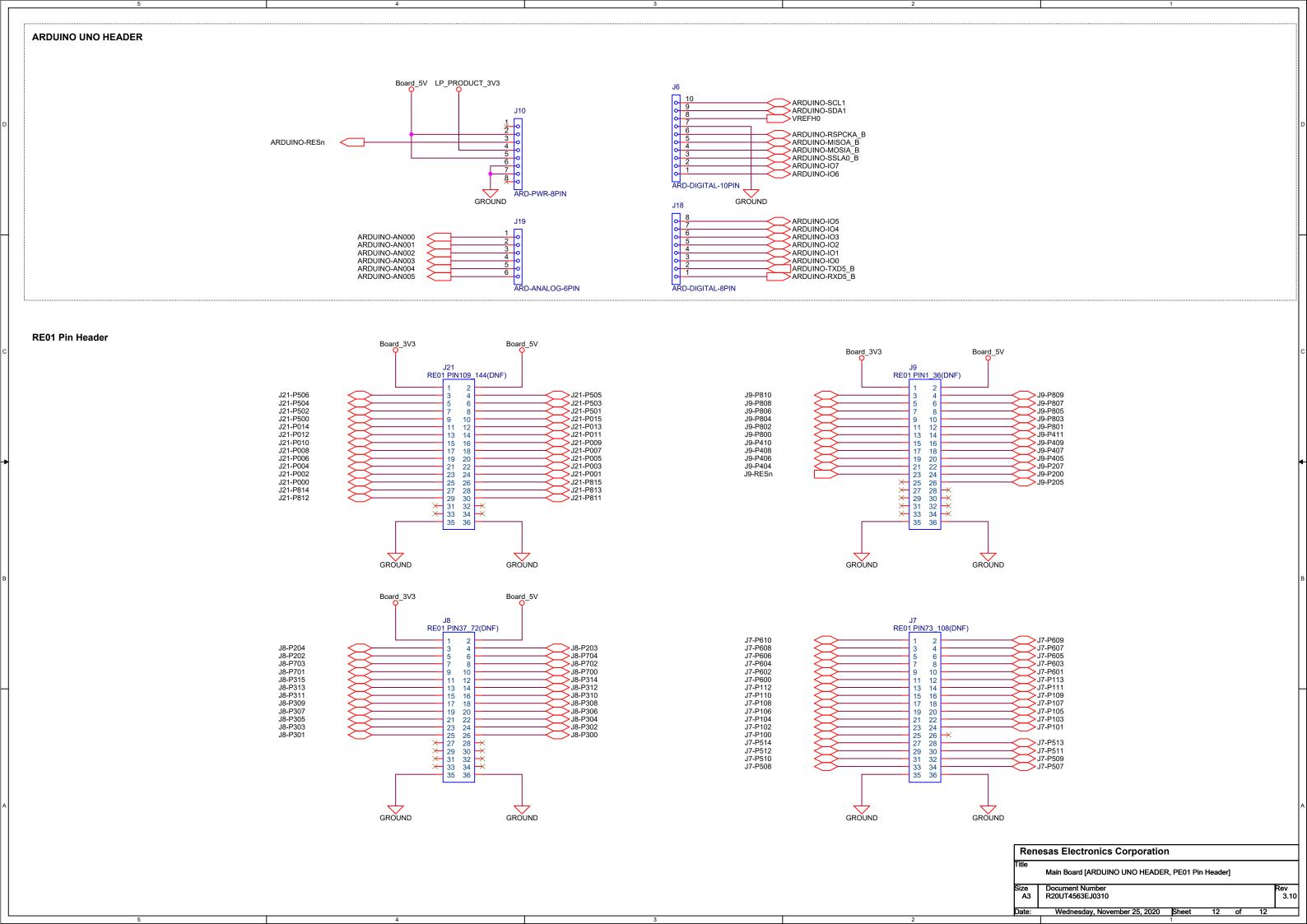


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A3	R20UT4563EJ0310	3.10
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# **Revision History**

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REV	DATE	SHEET	DESCRIPTION
1.00	30.07.2019	ALL	New
2.00	22.08.2019	2	Changes device port name in U1. (P100/MLCD_SI7/KRM00 -> P100/MLCD_SI7/KINT00)
		3	Change status C17(DNF) -> C17
3.00	07.10.2019	ALL	1st release edition.
		1	Changes title and product name.
3 10	25 11 2020	8	Added a note to the MD switch

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Title	Main Board [Revision History]							
Size A3	Document Number R20UT4563EJ0310					Rev 3.10		
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