
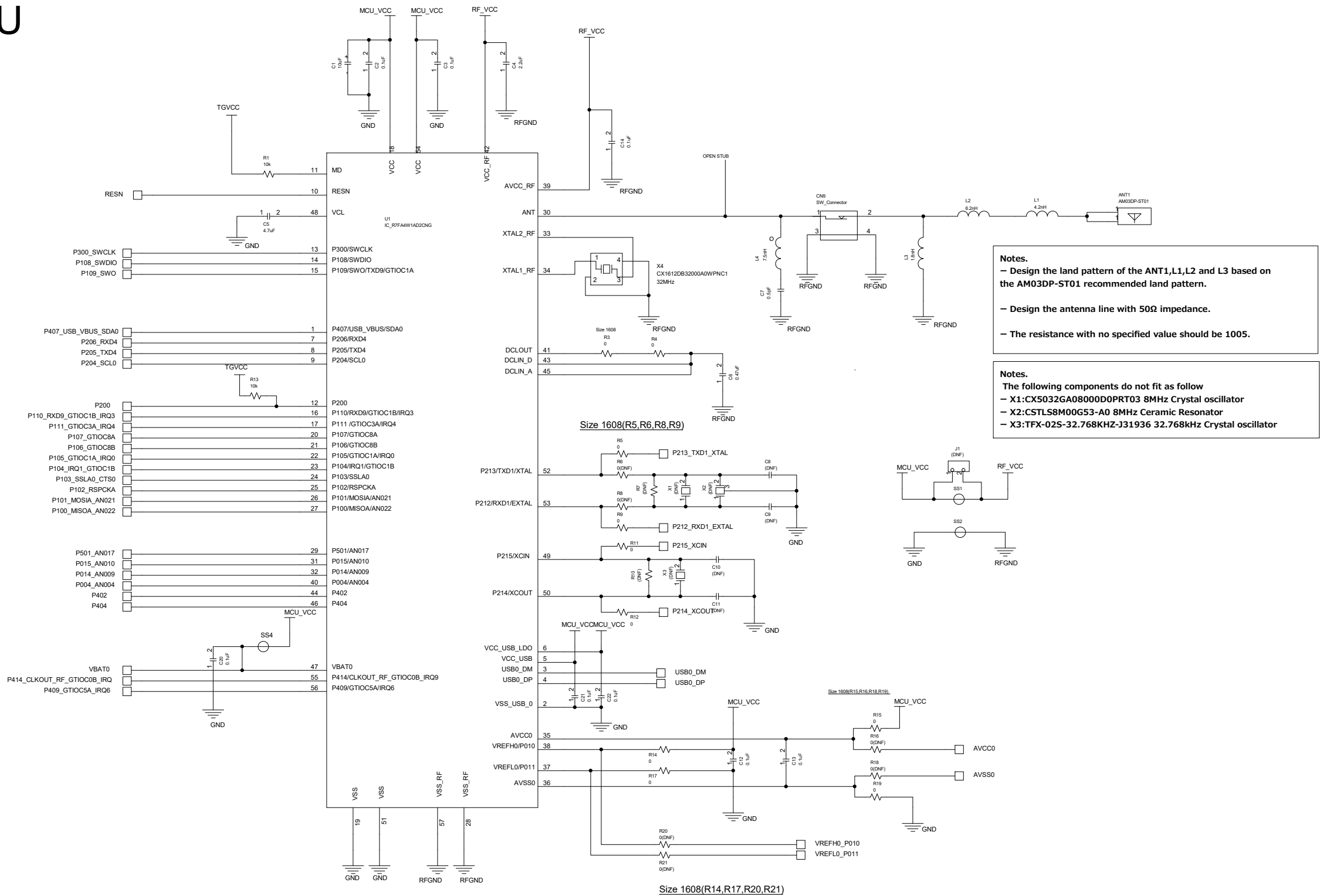


	1	2	3	4	5	6	7	8											
A	<div>EK-RA4W1 Schematic (Product No: RTK7EKA4W1S00000BJ)</div> <div><table><tr><th>PAGE</th><th>DESCRIPTION</th></tr><tr><td>1</td><td>Index</td></tr><tr><td>2</td><td>Target MCU</td></tr><tr><td>3</td><td>Target MCU peri, Power</td></tr><tr><td>4</td><td>Emulator Circuit</td></tr></table></div> <div><div>Note: C, EC : Capacitor D : Diode R : Fixed Resistor U, EU : Integrated Circuit X : Crystal, Oscillator SW, RES : Switch LED : Light Emitting Diode J, CN : Connector L : Inductor ANT : Antena N.C. : Not connected ⊖ SS : Short-pad Short-type(Default : Short) ⊖ SO : Short-pad Open-type(Default : Open) * "DNF" marking means that component is not fitted by default.</div></div>								PAGE	DESCRIPTION	1	Index	2	Target MCU	3	Target MCU peri, Power	4	Emulator Circuit	A
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H	<div><div></div><div>Renesas Electronics Corporation</div></div> <div><div>Title</div><div>EK-RA4W1 Schematic [Index]</div></div> <div><div><div>Size</div><div>A3</div></div><div><div>Document Number</div><div>R20UT4684EJ0100</div></div><div><div>Rev</div><div>1.00</div></div></div> <div><div>Date:</div><div>March 6, 2020</div><div>Sheet</div><div>1 of 4</div></div>						H												
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MCU



[illegible][illegible]

Pin connection diagram for the P101 MOSA_A021 module. The diagram shows a central connector with 28 pins. Pins 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27 are connected to various modules: P407_USB_VBUS_SDA0, USB0_DM, P206_RXD4, P204_SCL0, P300_SVCLK, P109_SWO, P111_GTI0C3A_IRQ4, P106_GTI0C8B, P104_IRQ0_GTI0C18, P102_RSP0CKA, and P100_MSOA_A0N022. Pins 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28 are connected to various modules: N.C., N.C., N.C., N.C., P205_TXD4, RESN, P200, P108_SWIDIO, P104_RXD0_GTI0C18_IRQ3, P107_GTI0CIA, P105_GTI0CIA_IRQ0, P103_SSLA0_CTSD0, and P101_MOSA_A0N21. Pins 10, 12, 14, 16, 18, 20, 22, 24, 26, 28 are also connected to TGVCC. Pins 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27 are connected to GND.

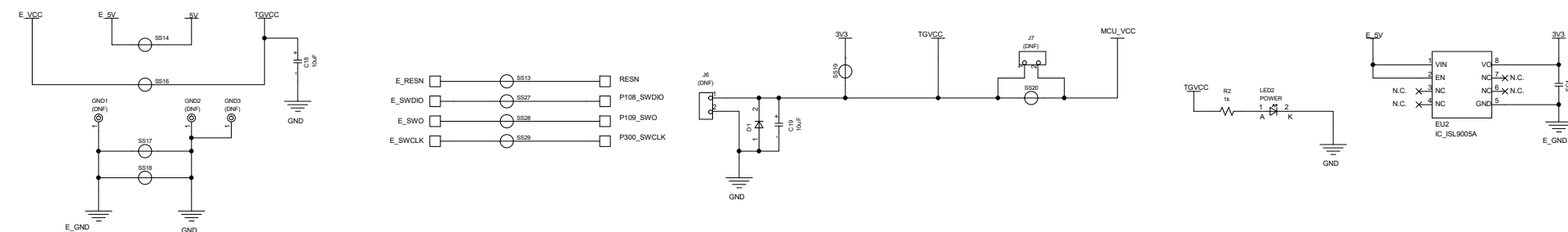
The diagram shows the pin connections for the Arduino DUE (CN3) and Arduino DUE (CN4). The connections are as follows:

Arduino DUE (CN3) Connections:

- AD0: P004_AN004
- A1: P014_AN009
- A2: P015_AN010
- A3: P501_AN017
- A4: P101_M0SHA_AN021
- A5: P100_MISOA_AN022
- SS21: P101_M0SHA_AN021
- SS12: P100_MISOA_AN022
- SS24: P106_GTIOC8B
- SS23: P106_GTIOC8B
- SS22: P106_GTIOC8B
- GND: GND

Arduino DUE (CN4) Connections:

- D7: P212_RXD1_EXTAL
- D6: P213_TXD1_XTAL
- D5: P414_CLKOUT_RF_GTIOC0B_IRQ
- D4: P409_GTIOC3A_IRQ06
- D3: P105_GTIOC1A_IRQ00
- D2: P111_GTIOC3A_IRQ04
- D1: P109_SWO
- D0: P110_RXD9_GTIOC1B_IRQ03
- D7/ROX: P212_RXD1_EXTAL
- D6/TX: P213_TXD1_XTAL
- D5: P414_CLKOUT_RF_GTIOC0B_IRQ
- D4: P409_GTIOC3A_IRQ06
- D3: P105_GTIOC1A_IRQ00
- D2: P111_GTIOC3A_IRQ04
- D1/TX: P109_SWO
- D0/RX: P110_RXD9_GTIOC1B_IRQ03



A

