Renesas MCU-RA ARVCC_331 RVCC_331 RVCC_331 ARVCC_331 ARVCC_331 RVCC_331 C261 C262 FB5 R15 0.1uF 0402 R13 R14 1K 0402 BEAD 0603 RVCC_331 JP3 2.2uF 0402 1K 0402 1K 0402 C257 VDD I2C 1 SDA I2C_1_SCL I2S_CLK VREF R 10uF 0805 10uF 0805 DNU 12S D I2S RL UART1_TXD_R UART1_RTS_R UART1_RXD_R UART1_CTS_R 0 UART 1 Tx UART_1_Rx UART_1_RTS UART_1_CTS <u>200228887874887284</u> 2.2uF 0402 UART 2 TxRx T_2_TxRx 14 CLK Opt 16 RESET Opt GND UART_3_Tx 18 SPI_SCLK 20 HART3 RXD R301 1K 0402 GPIO12_R SPI MISO SPI MOSI R300 1K 0402 GPIO11_R ARVCC_331 SCSn_2 24 P100 SCSn 1 2 P401 P101 GPIO10\R SCSn_3 SCSn_4 3 P402 P102 P103 JTAG_TCK JTAG_TDO JTAG_TDI 28 JTAG_TMS 30 **SWDIO** 4 P403 VCL PORN_R 49.9 0402 P104 JTAG TRSTr GND 6 7 P215/XCIN P214/XCOUT C258 C259 P105 DF40C-30DP-0.4V(51) 2.2uF 0402 P106 R7FA2A1AB3CFM 0.1uF 0402 8 VSS P107 2.2uF 0402 RVCC_331 9 P213/XTAL AVSS1 RVCC_331 10 P212/EXTAL R296 NC 0402 AVCC1 GPIO24 R 11 VCC SBIAS/VREFI ADREG 12 VOC P411 R17 47K 0402 13 P410 14 P409 C40 C41 DREG 36 DUT_B 35 P111 34 P110 33 C42 C43 P112/CLKOUT B RVCC_331 RVCC_331 D N 15 P408 16 P407 PORN_R 49.9 0402 RESETN R 2.2uF 0402 VDD RESETn SWDIO PORn GPIO 1 GPIO_2 GPIO_3 GPIO_5 GPIO_7 GPIO_9 GPIO_4 GPIO 6 ECS-.327-12.5-12-TR GPIO 8 12.5pF GPIO_10 GPIO_11 Y3 8Z-20.000MAAE-T GPIO_11 GPIO_15 GND GPIO_12 32.768KHz 12pF Y4 GPIO 14 2 GPIO_16 20MHz RVCC_331 GPIO_18 GPIO_17 C44 C45 GPIO_19 GPIO_20 C47 R19 GPIO_22 28 GPIO_24 30 GPIO_21 GPIO_23 18pF 0402 18pF 0402 10K 0402 18pF 0402 18pF 0402 USB_DM 32 VDD_3V6 34 VDD 5V USB_DP VDD 36 Analog_S1 38 VDD VDD 35 37 C48 Analog_M1 40 Analog S2 1K 0402 1K 0402 ADC1_R Analog_M2 GND ADC3_RR ADC3_R 2.2uF 0402 R20 NC 0402 ADC1_RR R289 DF40C-40DP-0.4V(51) GPIO23 >> Pin27 >> P200 C250 C248 GPIO3 >> Pin55 >> P012 10nF 0402 10nF 0402 GPIO24 >> Pin38 >>SBIAS/VREFI 1K 0402 1K 0402 ADC2_RR ADC2_R ADC4_RR ADC4 R R290 C249 C251 10nF 0402 10nF 0402 <Title> Document Number <Doc> <Rev(Tuesday, January 05, 2021 Sheet