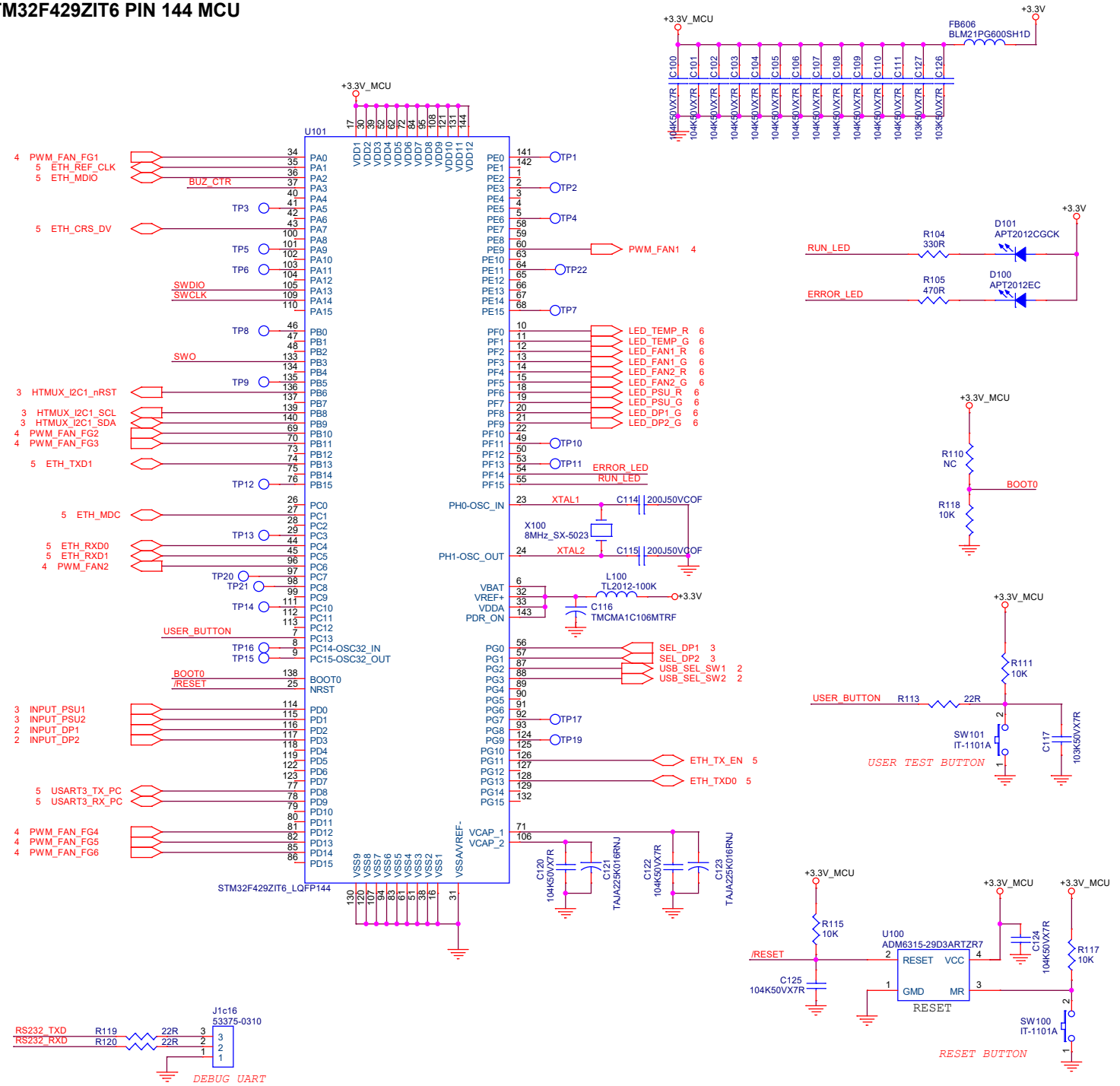
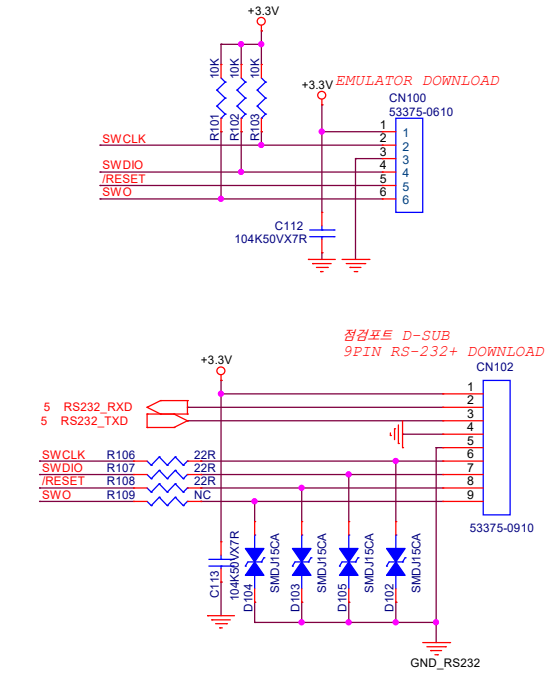
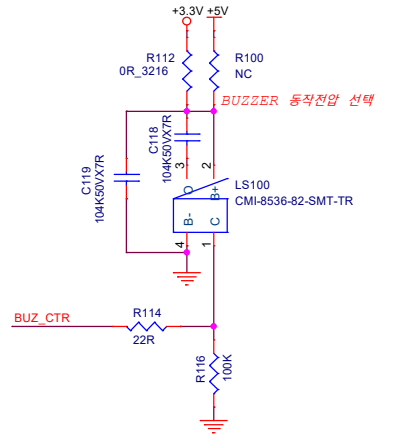
STM32F429ZIT6 PIN 144 MCU



DEBUG PORTS

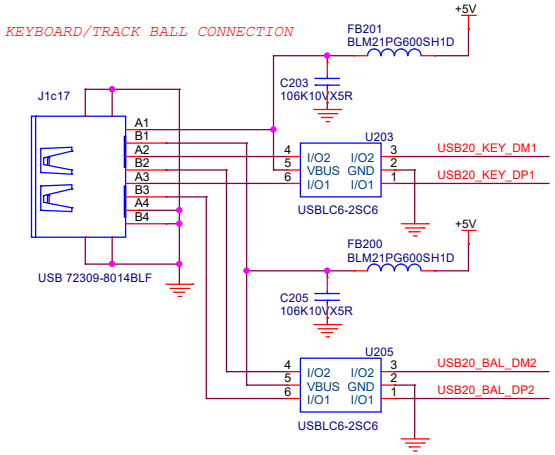


BUZZER CONTROL

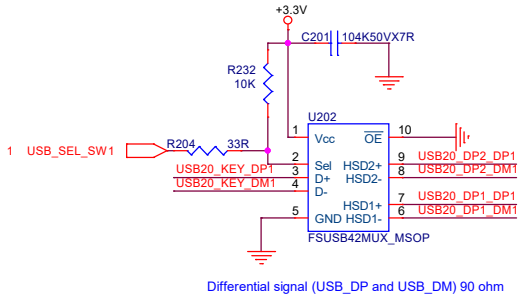


VOLK			
Title	[AMDS] Console-type Control Board		
Size A3	Document Number 1. MPU & DEBUG & BUZZER		Rev V1.0
Date: 2024.7.29	Sheet 1 of 6		

KEYBOARD/TRACK BALL USB

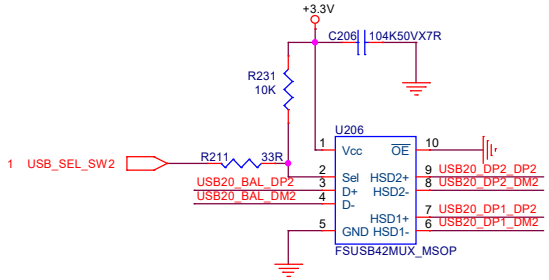


KEYBOARD USB DEVICE / USB SWITCH



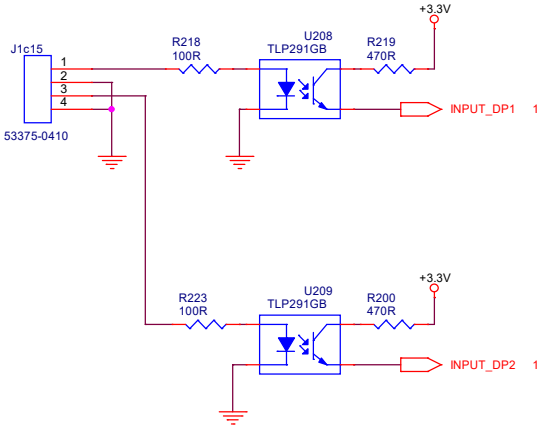
Differential signal (USB_DP and USB_DM) 90 ohm

Track Ball USB DEVICE / USB SWITCH

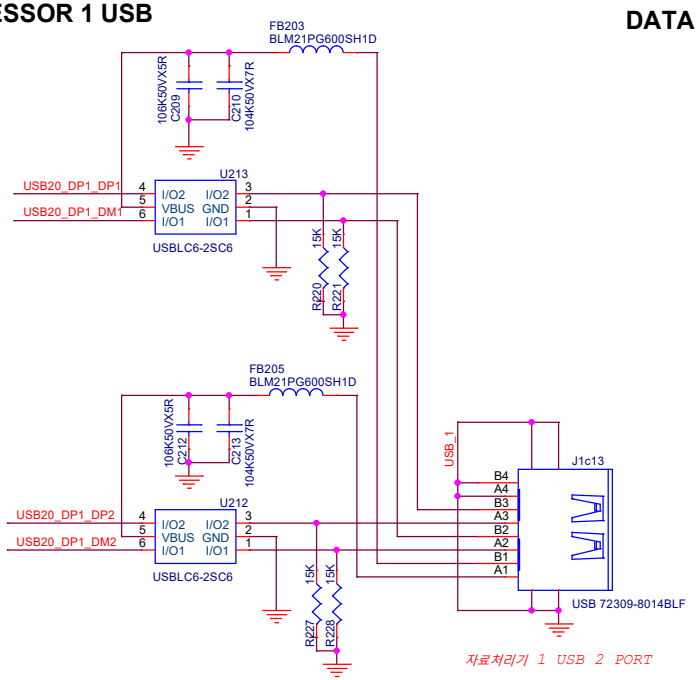


Differential signal (USB_DP and USB_DM) 90 ohm

DATA PROCESSOR 1/2 POWER LED INPUT

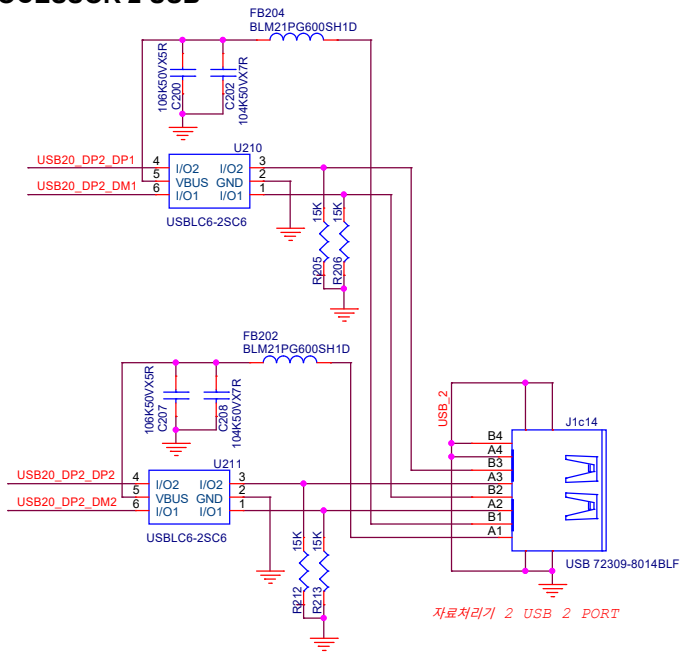


DATA PROCESSOR 1 USB



자료처리기 1 USB 2 PORT

DATA PROCESSOR 2 USB



자료처리기 2 USB 2 PORT

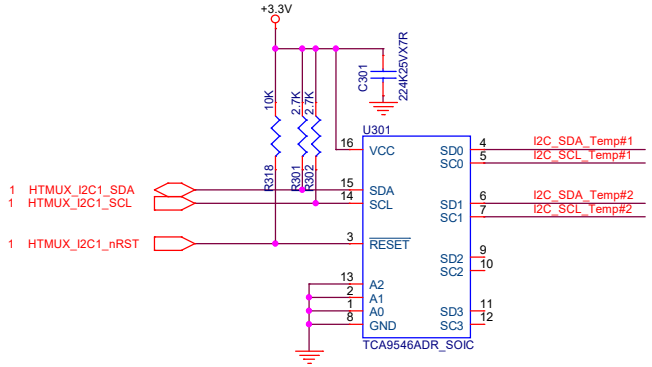
VOLK

Title: [AMDS] Console-type Control Board

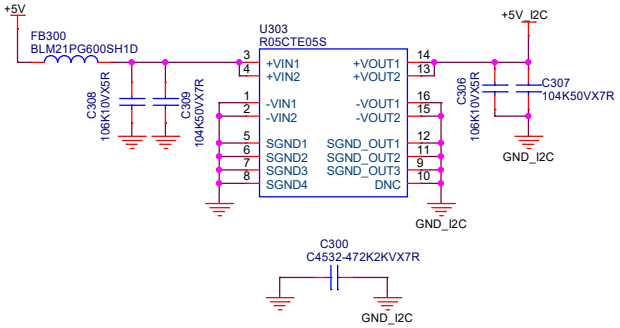
Size	Document Number	Rev
A3	2. USB SWITCH & EXTERNAL LED	V1.0

Date: 2024.7.29 Sheet 2 of 6

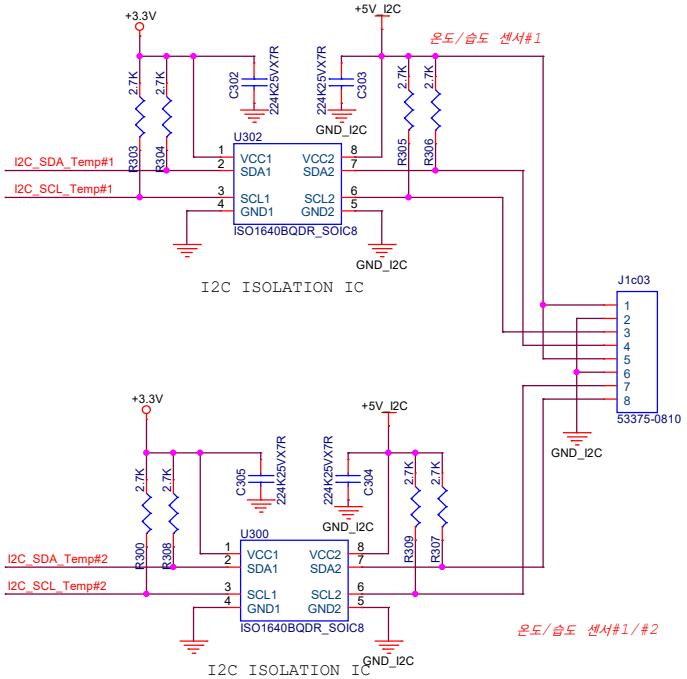
I2C Temperature and humidity Switching



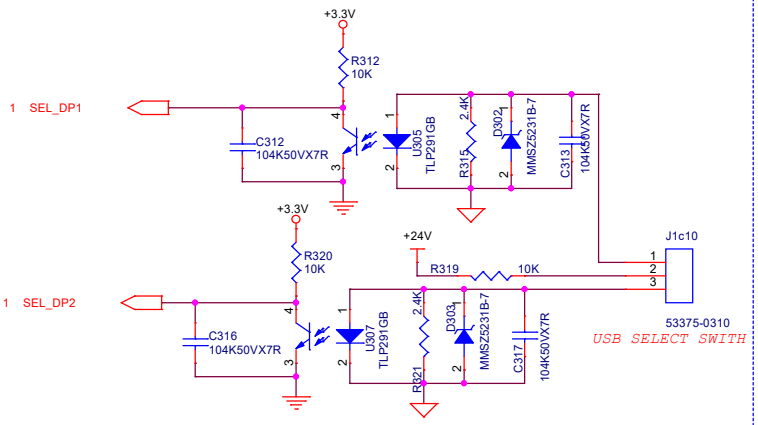
I2C Temperature and humidity sensors Isolated DC-to-DC Converters



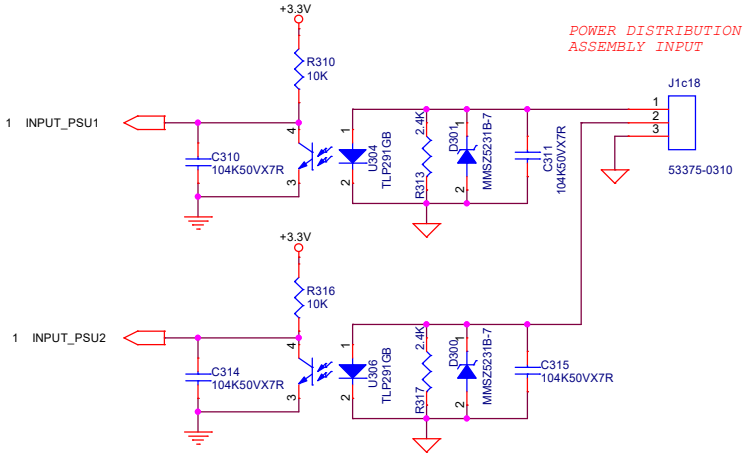
I2C Temperature and humidity sensors Isolated



DATA PROCESSOR 1, 2 SELECT SWITCH

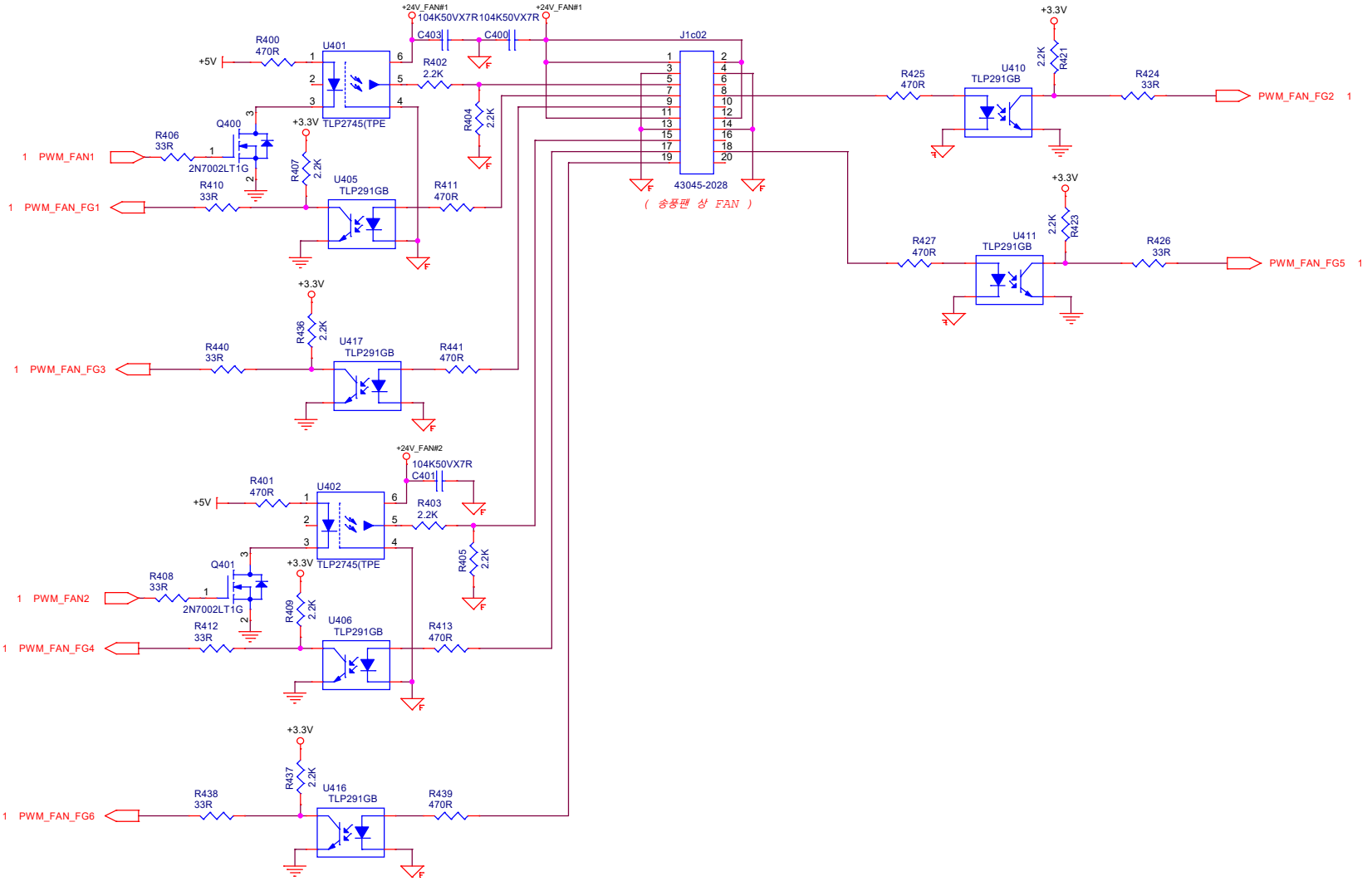


POWER DISTRIBUTION ASSEMBLY INPUT

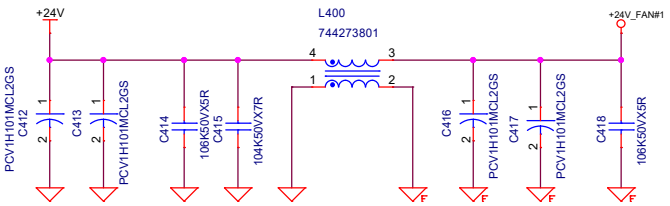


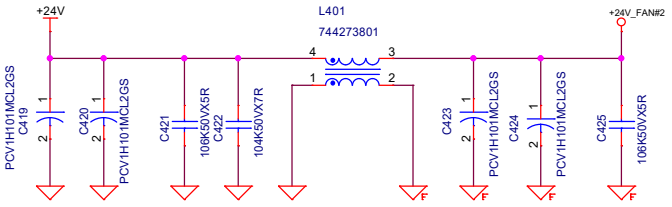
VOLK		
Title	[AMDS] Console-type Control Board	
Size A3	Document Number 3. I2C Temperature & humidity	Rev V1.0
Date: 2024.7.29	Sheet 3 of 6	

PWM & SENSE FAN CONTROL #1/#2



24V FAN MOTOR POWER





VOLK

Title: [AMDS] Console-type Control Board

Size	Document Number	Rev
A3	4. FAN CONTROL ASSAY	V1.0

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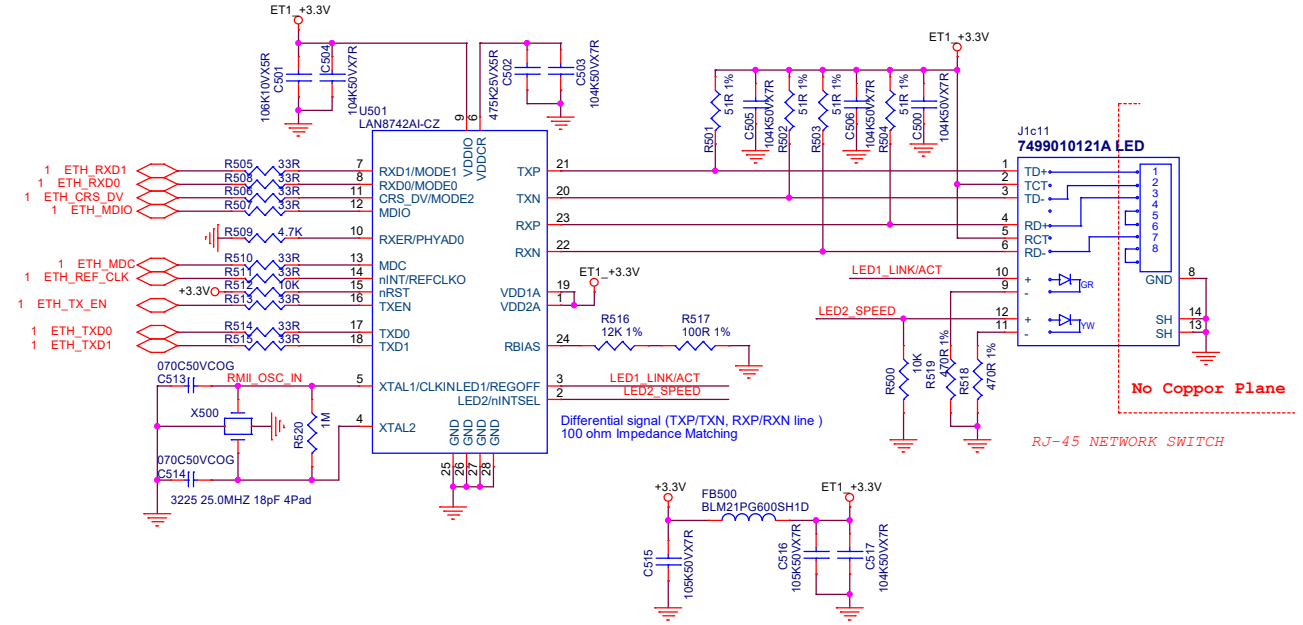
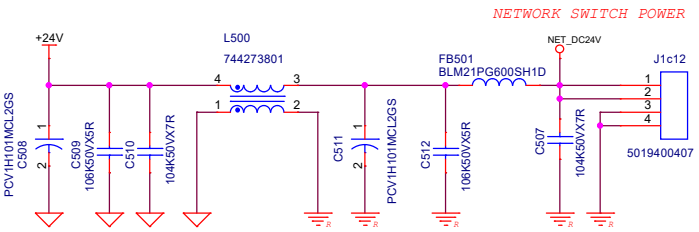
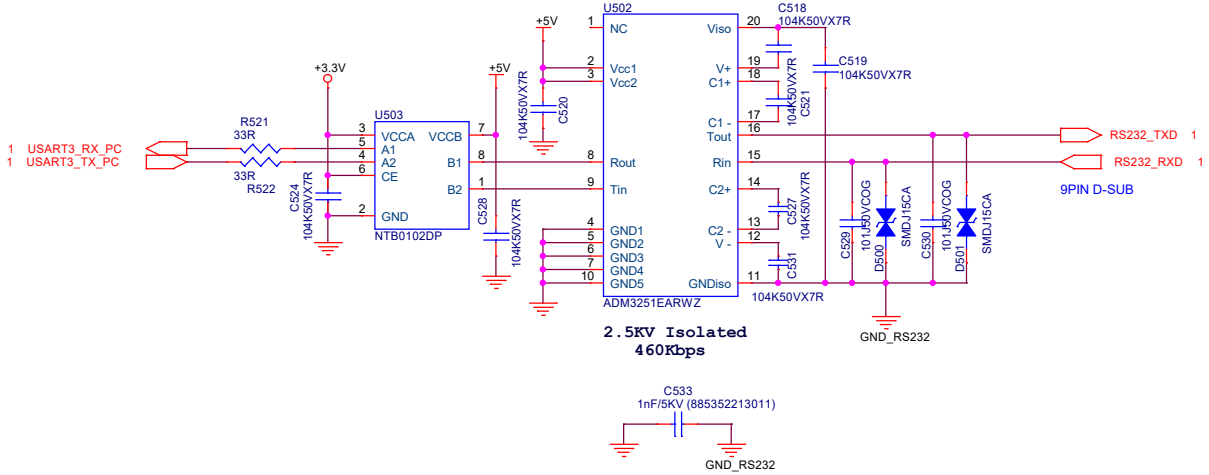
RMII ETHERNET PHY



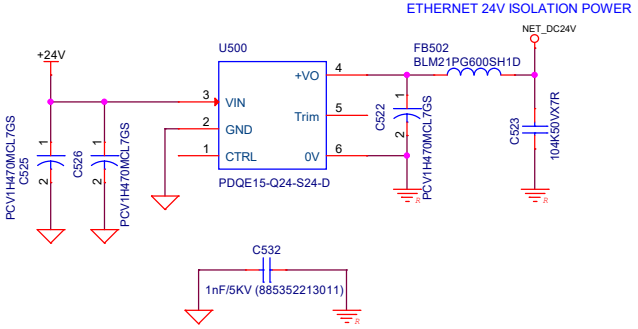
ETHERNET NETWORK 24V



Isolated RS-232 Line PC

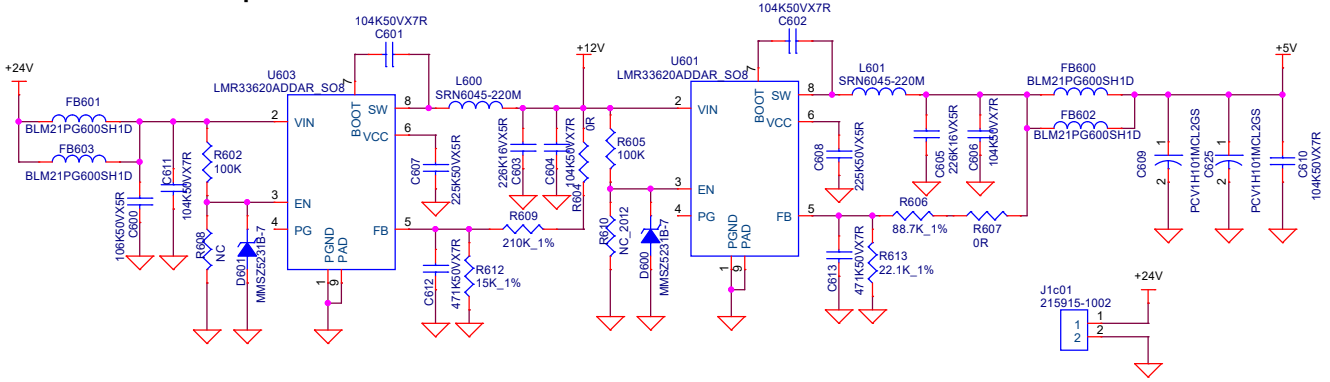


ETHERNET 24V ISOLATION POWER(OPTION)

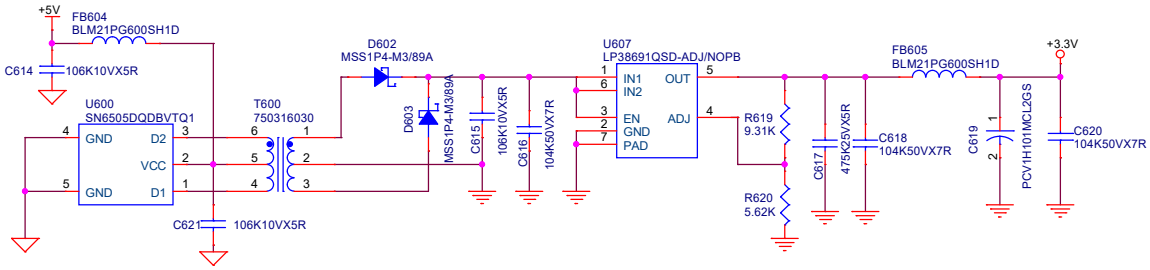


VOLK		
Title	[AMDS] Console-type Control Board	
Size A3	Document Number 5. RMII ETHERNET PHY & RS-232	Rev V1.0
Date: 2024.7.29	Sheet 5 of 6	

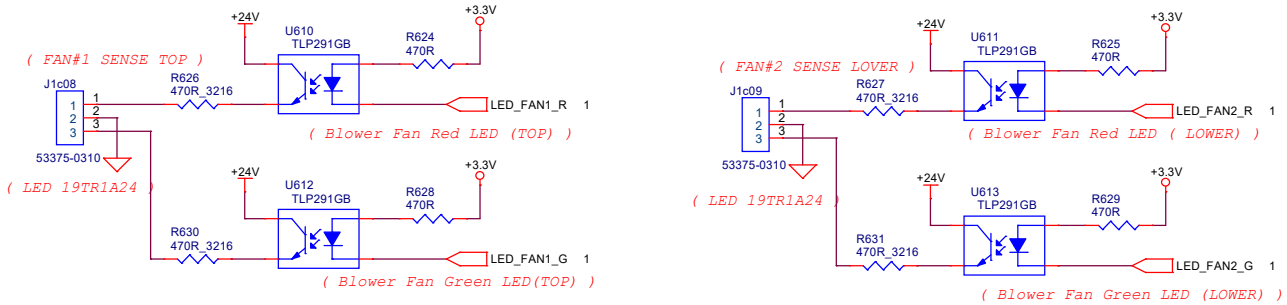
+24V- +12V-+5V Step-Down Converter



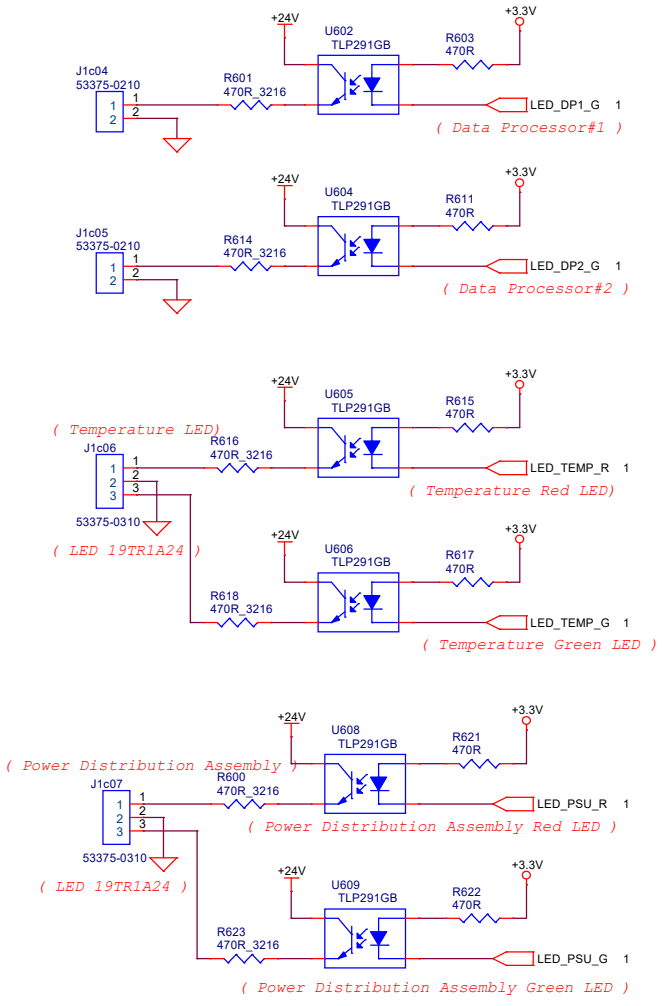
5V- 3.3V Step-Down Converter



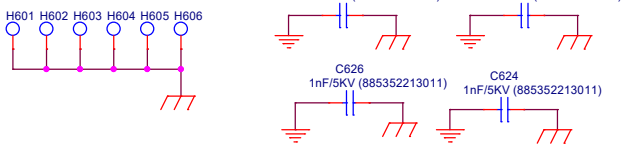
PANNEL EXTERNAL FAN LED CONTROL



PANNEL EXTERNAL LED CONTROL



PCB MOUNTINH HOLE FG GROUND



VOLK		
Title	[AMDS] Console-type Control Board	
Size A3	Document Number 6. 24V 5V 3.3V POWER / EXTERNAL LED	Rev V1.0
Date: 2024.7.29	Sheet 6 of 6	