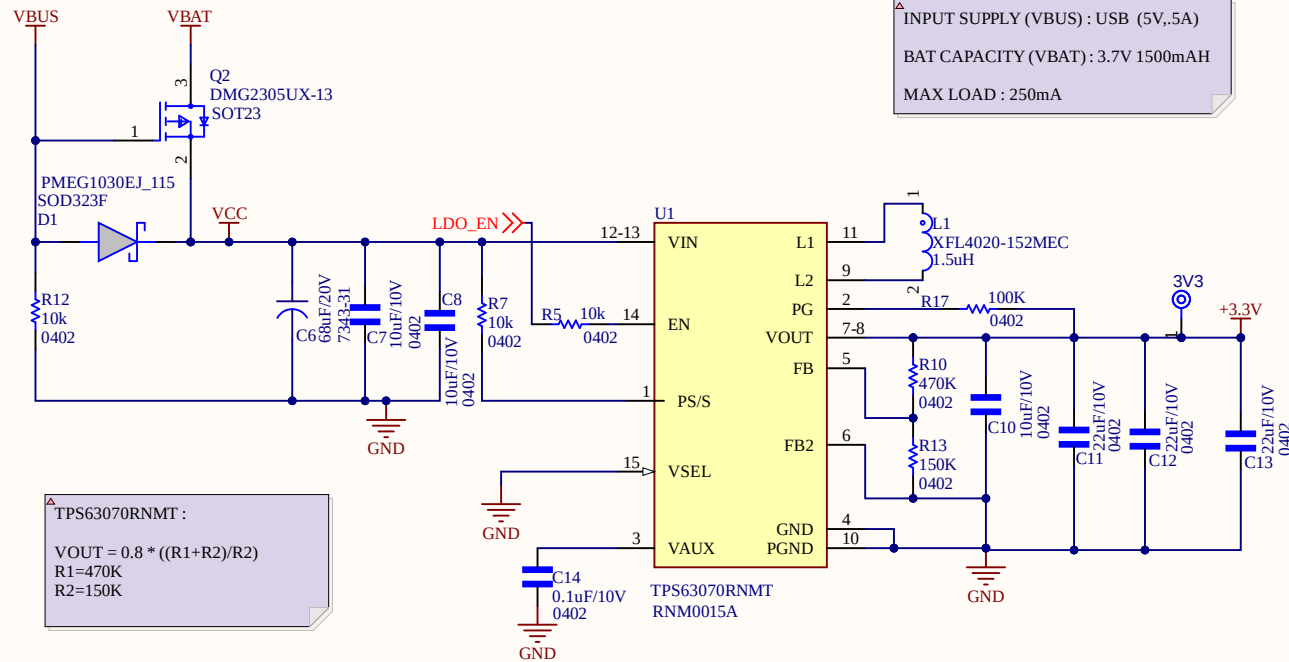
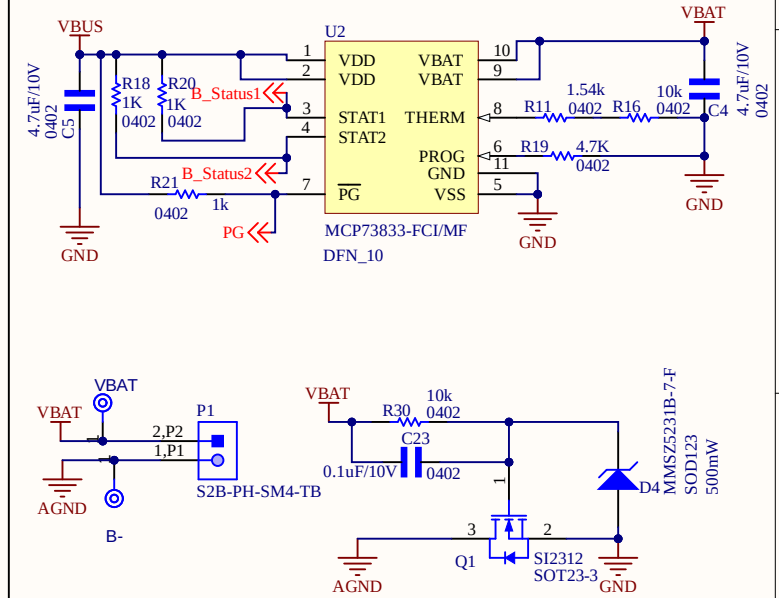


DC - DC CONVERTER - 3.3Vout



BATTERY CHARGING SECTION



Srushity Global Solutions Pvt Ltd

PROJECT : GOYOYO RECORDER

SHEET NAME : POWER SUPPLY

DESIGNED BY :SRINITHI V

DATE : 2/4/2025

SHEET NO : 01/05

APPROVED BY :

REV : 01

U3
MAX17048G+T10

CELL SDA
VDD SCL
GND ALRT
CTG QSTRT

Ep

4.7µF/35V
0402

2.2K 0402
2.2K 0402
10k 0402

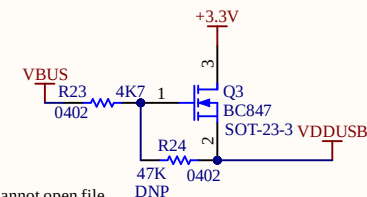
+1.8V

F.ALRT 05_GR_MCU_DEFG&PSRAM_0125[1B]

GND

Vin : 5.5V
Vout: 1.8V fixed
Iout : 1A
Low IQ: 25µA (typical)
Dropout voltage (@IOUT = 1A, $-40^{\circ}\text{C} \leq T_J \leq +125^{\circ}\text{C}$) :
875mV

The diagram shows a voltage divider circuit. A red line represents the VDDUSB supply, connected to a blue resistor R4 (1M, 0402). The other end of R4 is connected to a node. From this node, a red line branches off to the right, labeled 'Vbus_Sense' with a red arrow. The node continues down through another blue resistor R35 (1M, 0402) to a ground symbol labeled 'GND'.



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Templates\Srshty_logo.png File does not
exist.

Srushty Global Solutions Pvt Ltd

PROJECT :

SHEET NAME :

DESIGNED BY :
DATE : 2/4/2025

SHEET NO :

APPROVED BY :

REV :

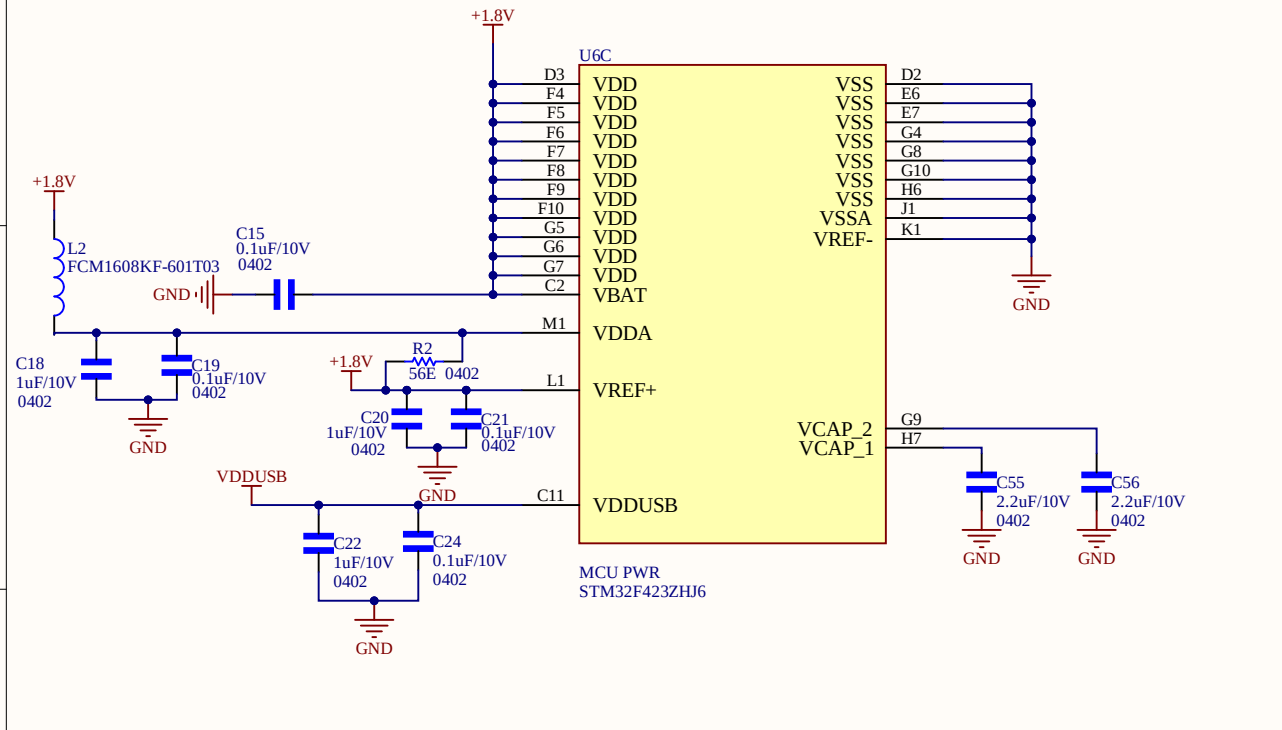
CONTROLLER POWER SECTION

A

B

C

D



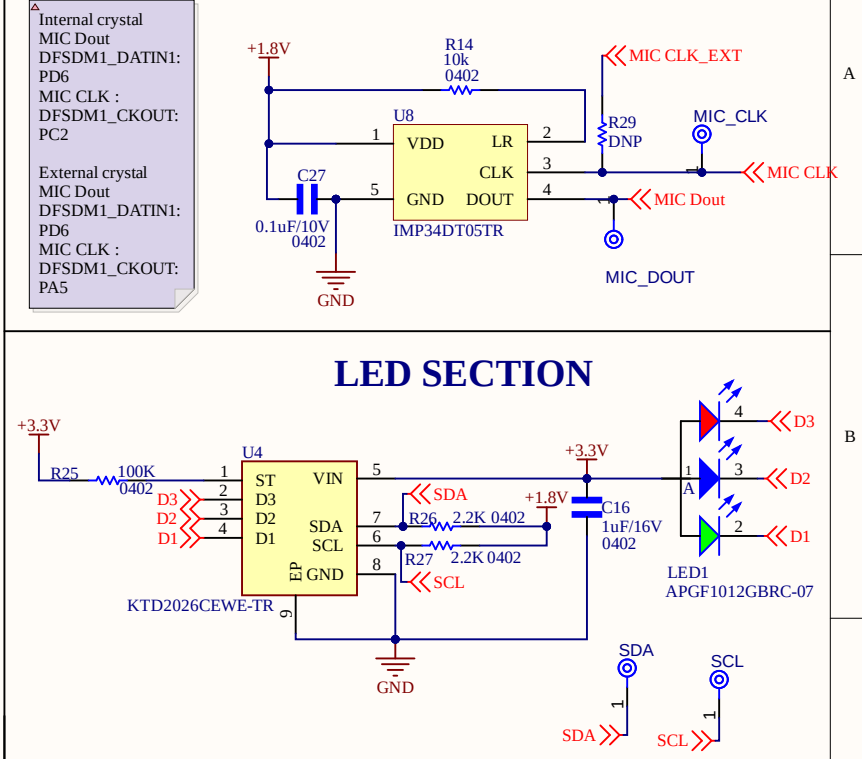
MICROPHONE SECTION

A

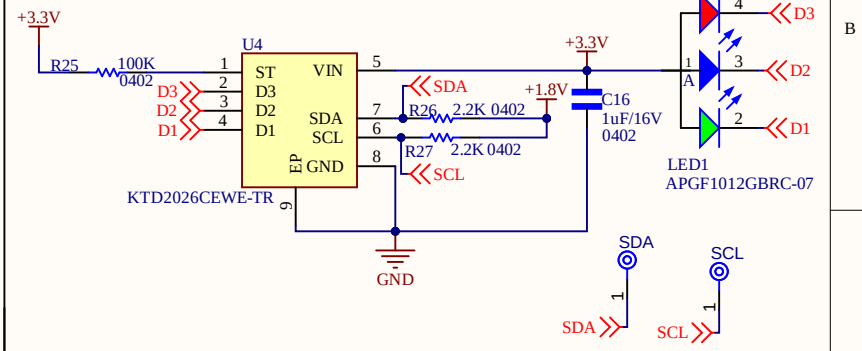
B

C

D

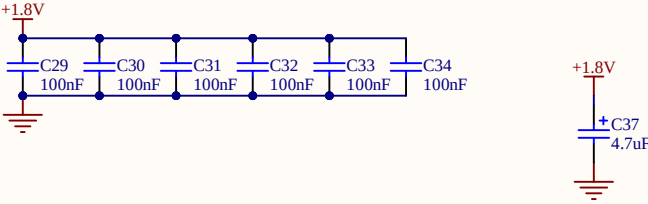


LED SECTION



DECOUPLING CAPACITORS

One 100nF placed close to each VDD_x pin of MCU



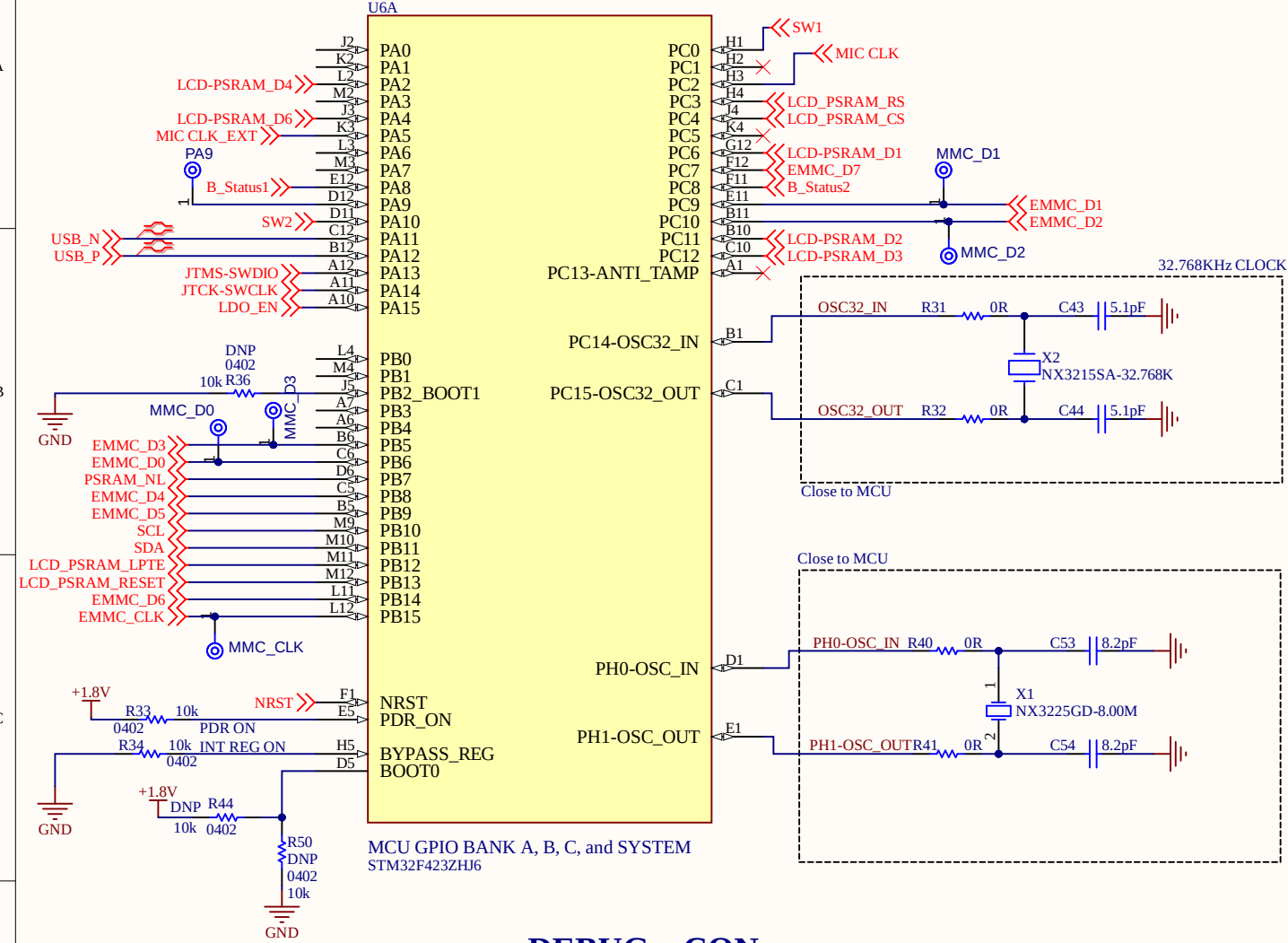
Fiducial point



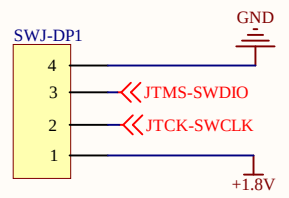
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Srushty Global Solutions Pvt Ltd	
PROJECT : GOYOYO RECORDER	
SHEET NAME : CONTROLLER POWER ,MIC&LED	
DESIGNED BY : KRISHNARAJ	SHEET NO : 02/05
DATE : 2/4/2025	
APPROVED BY :	REV : 01

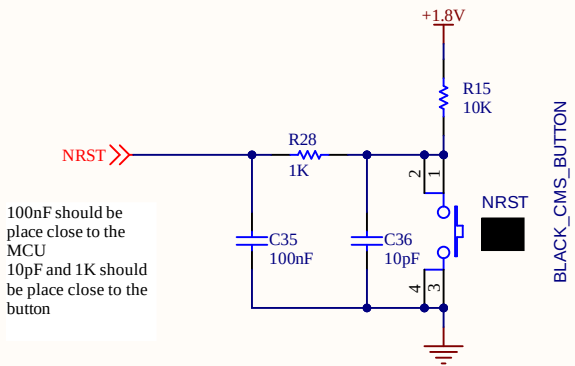
CONTROLLER SECTION



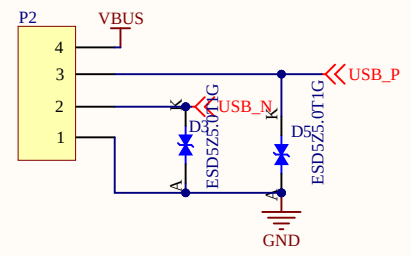
DEBUG_CON



RESET BUTTON SECTION



POGO CONN SECTION



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Srushty Global Solutions Pvt Ltd

PROJECT : GOYOYO RECORDER	
SHEET NAME : CONTROLLER SECTION	
DESIGNED BY : SRINITHI V	SHEET NO : 03/05
DATE : 2/4/2025	
APPROVED BY :	REV : 01

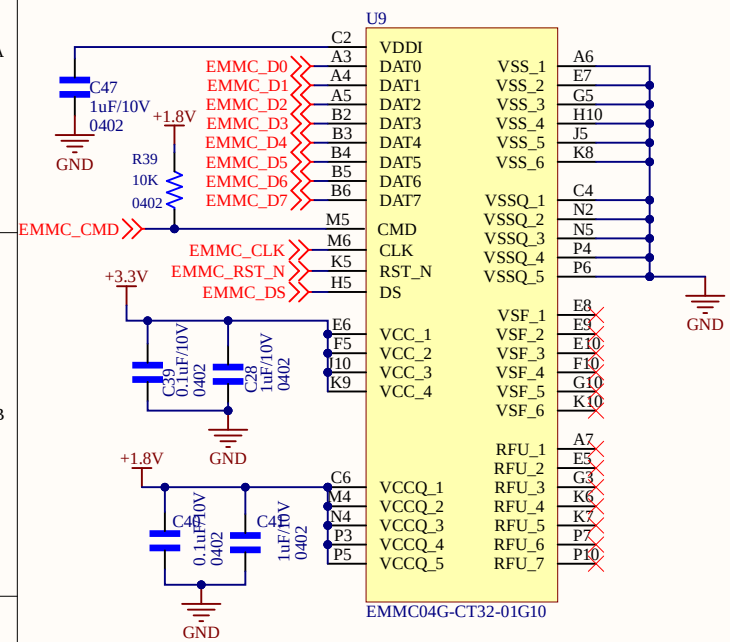
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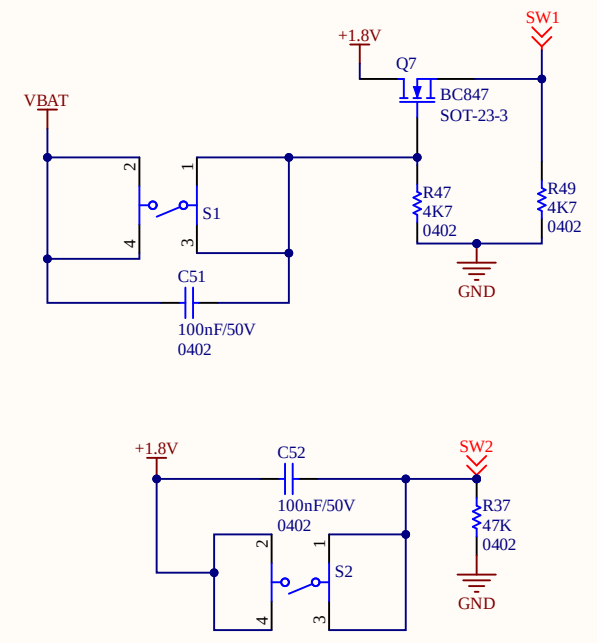
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REV : 01

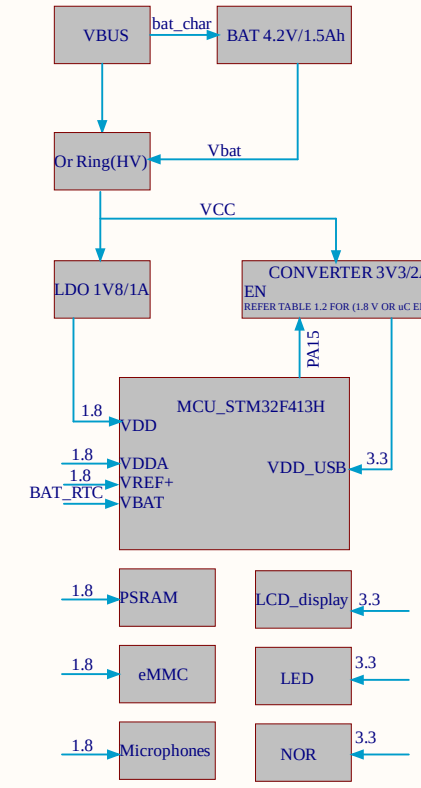
eMMC SECTION



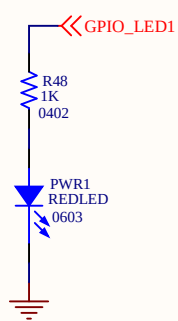
BUTTON & latching SECTION



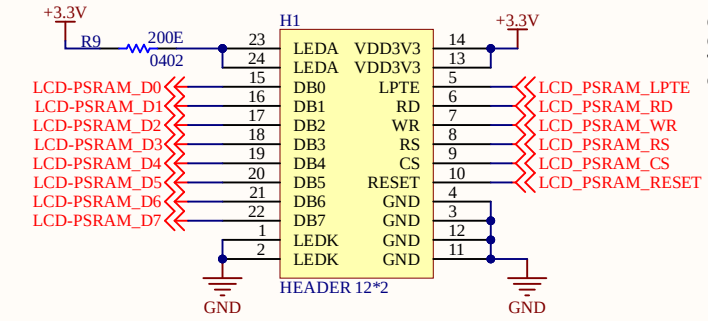
POWER TREE



GPIO_LED1



LCD CONN SECTION



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Srushty Global Solutions Pvt Ltd

PROJECT : GOYOYO RECORDER

SHEET NAME : LCD , eMMC & BUTTON

DESIGNED BY : SRINITHI V

DATE : 2/4/2025

SHEET NO : 05/05

APPROVED BY :

REV : 01