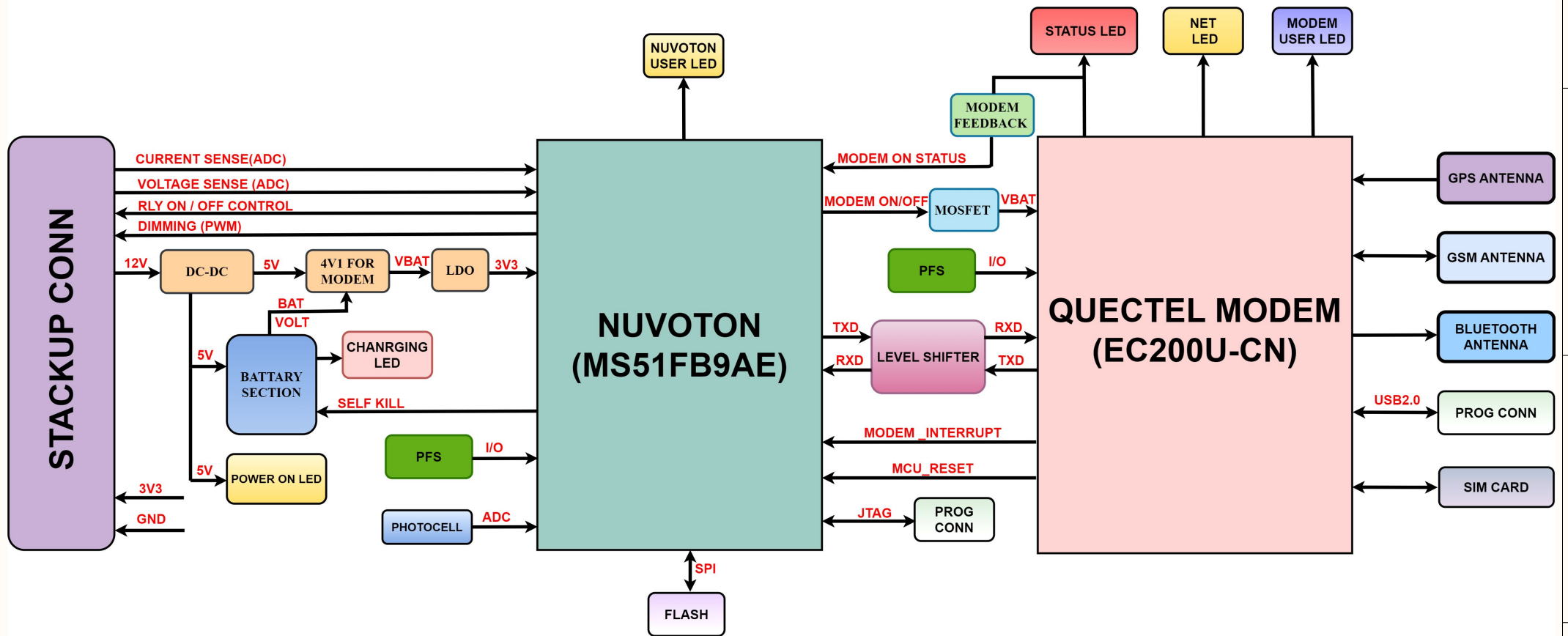


ILM - 4G BLOCK DIAGRAM



SCHNELL ENERGY EQUIPMENTS PVT. LTD

PROJECT NAME: ILM-4G

SHEET NAME: BLOCK DIAGRAM

DESIGNED BY: SLAVANYA

DATE: 27-12-2023

APPROVED BY: A.VENGATESH

SHEET NO: 1\6

REVISION: 02

A

B

C

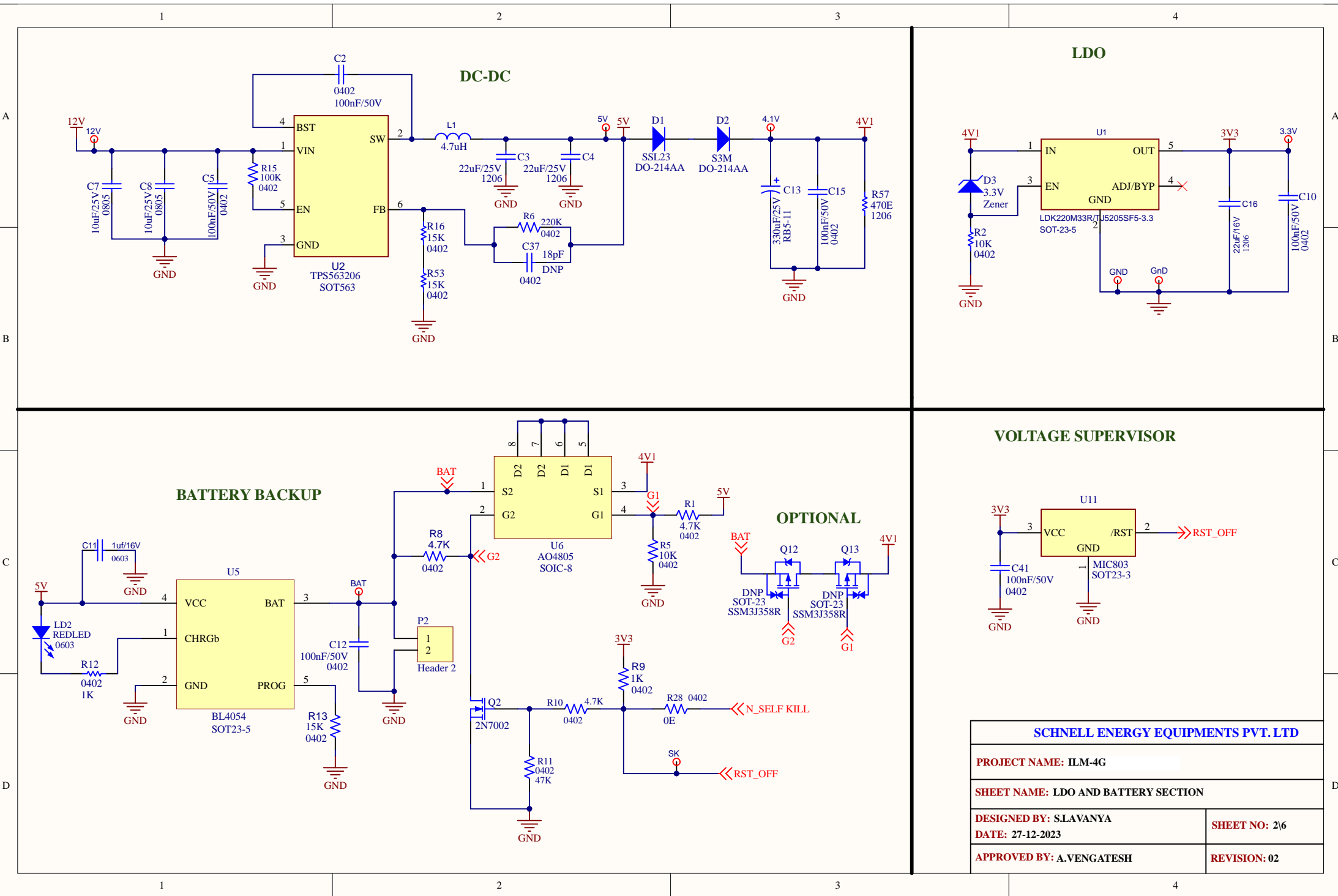
D

A

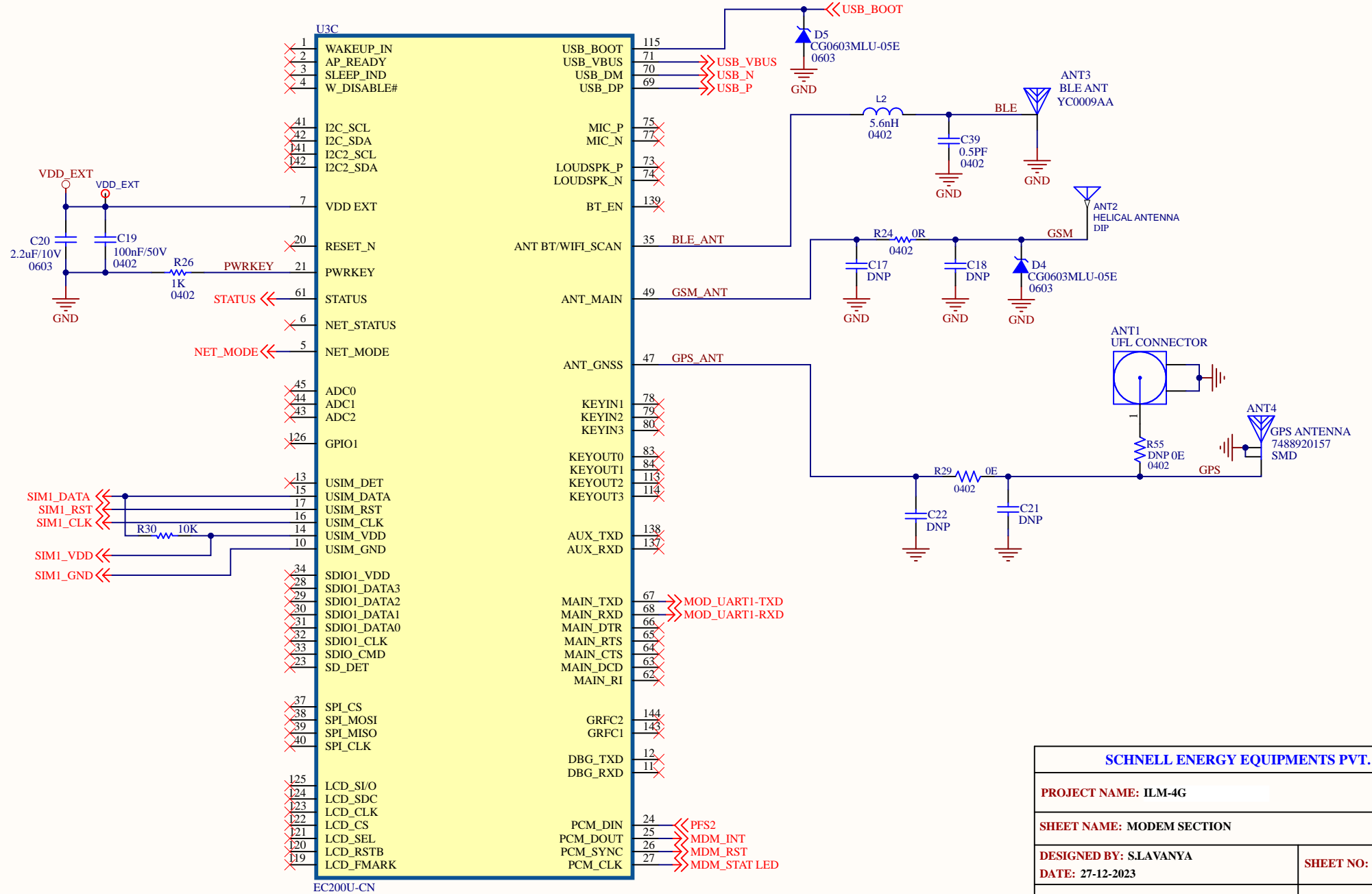
B

C

D



MODEM SECTION



SCHNELL ENERGY EQUIPMENTS PVT. LTD

PROJECT NAME: ILM-4G

SHEET NAME: MODEM SECTION

DESIGNED BY: SLAVANYA

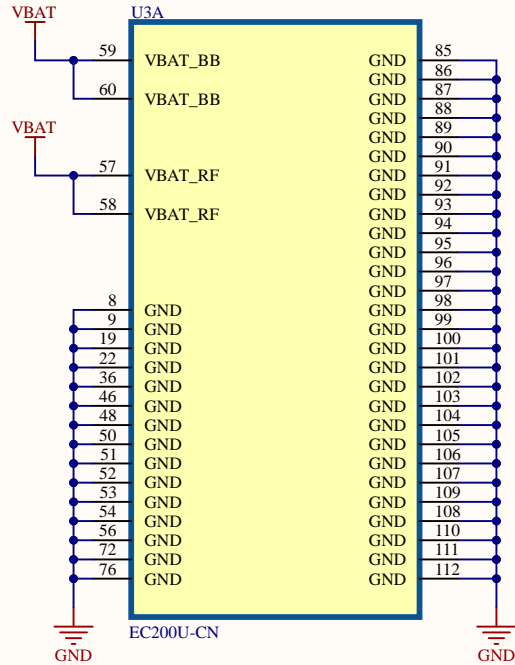
DATE: 27-12-2023

SHEET NO: 4/6

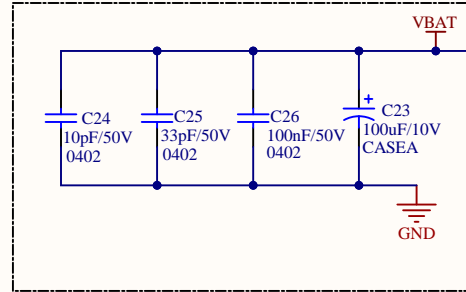
APPROVED BY: A.VENGATESH

REVISION: 02

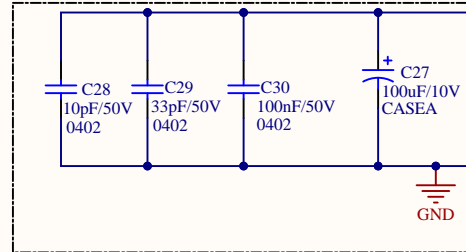
MODEM SECTION



Place Near VBAT_BB



Place Near VBAT_RF



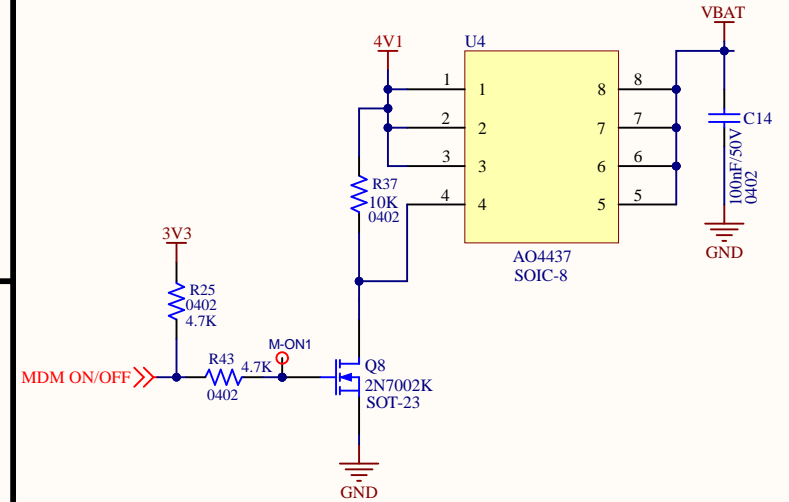
D9
STS321045B502
SOD323

U3B

118	WLAN_SLP_CLK	ISINK	140
127	WLAN_PWR_EN	RESERVED	128
129	SDIO2_DATA3	RESERVED	117
130	SDIO2_DATA2	RESERVED	82
131	SDIO2_DATA1	RESERVED	81
132	SDIO2_DATA0	RESERVED	55
133	SDIO2_CLK	RESERVED	116
134	SDIO2_CMD	RESERVED	18
135	WLAN_WAKE	WLAN_EN	136

EC200U-CN

Modem ON/OFF Section



SCHNELL ENERGY EQUIPMENTS PVT. LTD

PROJECT NAME: ILM-4G

SHEET NAME: MODEM VBAT

DESIGNED BY: SLAVANYA

DATE: 27-12-2023

APPROVED BY: A.VENGATESH

SHEET NO: 5/6

REVISION: 02

VOLTAGE LEVEL TRANSLATOR FOR UART COMMUNICATION

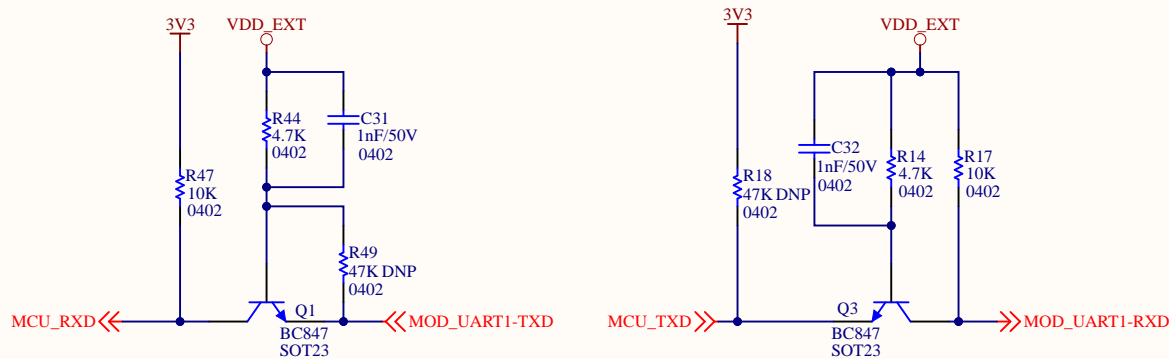
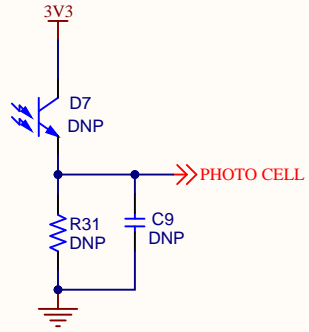
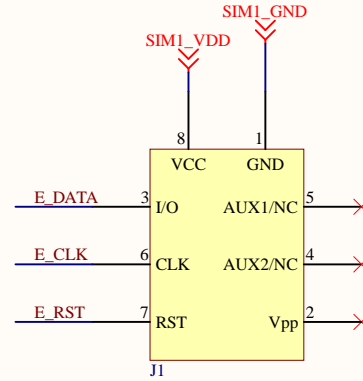


PHOTO CELL

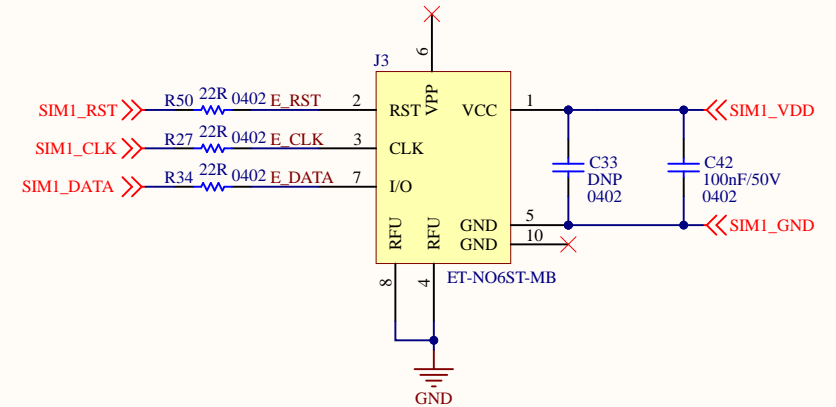


Part No: OP535A
Manufacturer: TTK Elektronik
Wavelength: 850nm
Power dissipation: 75mW
Operating Temperature: -40°C to +85°C

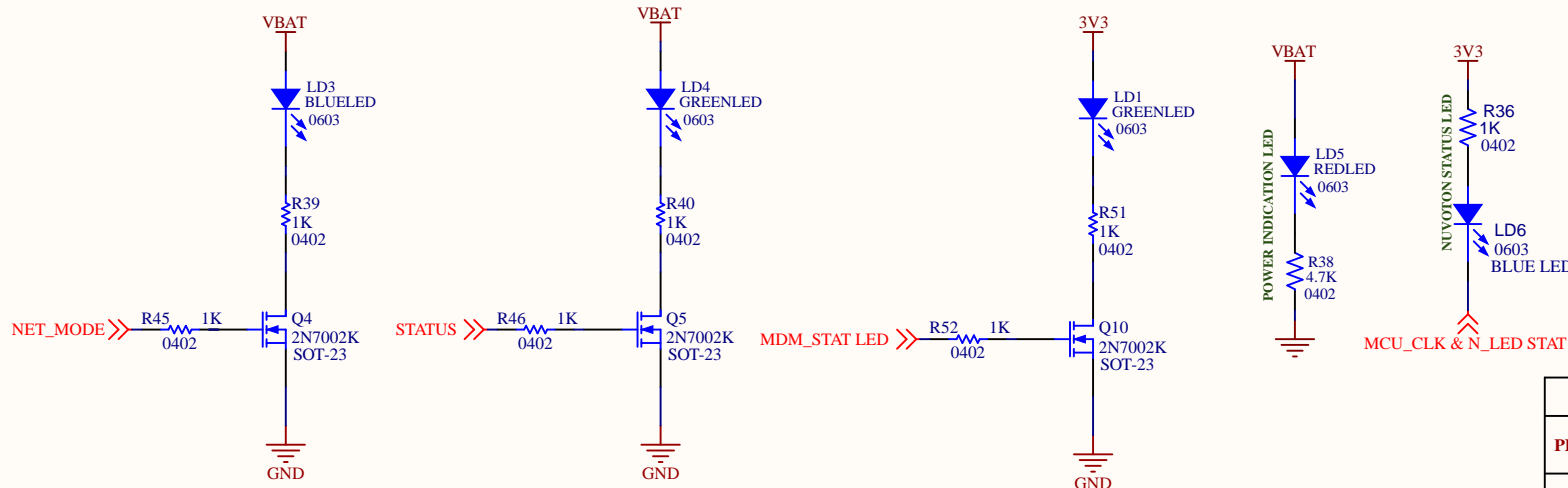
ESIM SECTION



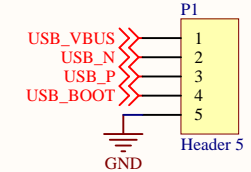
SIM CARD SECTION



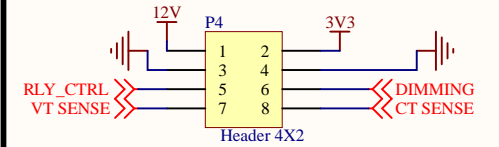
INDICATION LED's SECTION



PROG CONNECTOR



STACKUP CONN



SCHNELL ENERGY EQUIPMENTS PVT. LTD

PROJECT NAME: ILM-4G

SHEET NAME: SIM AND LED'S SECTION

DESIGNED BY: SLAVANYA

DATE: 27-12-2023

SHEET NO: 6/6

APPROVED BY: A.VENGATESH

REVISION: 02