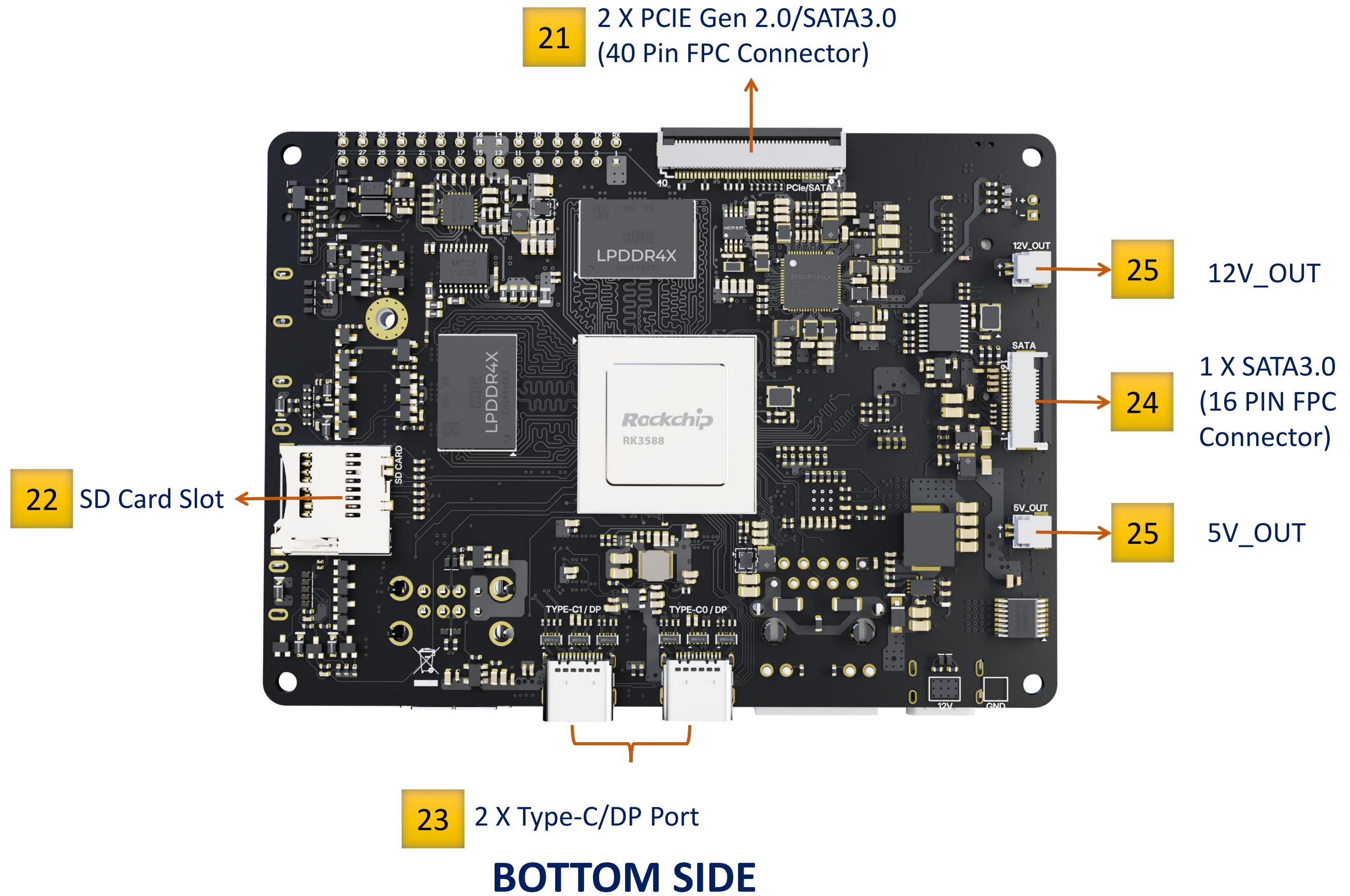
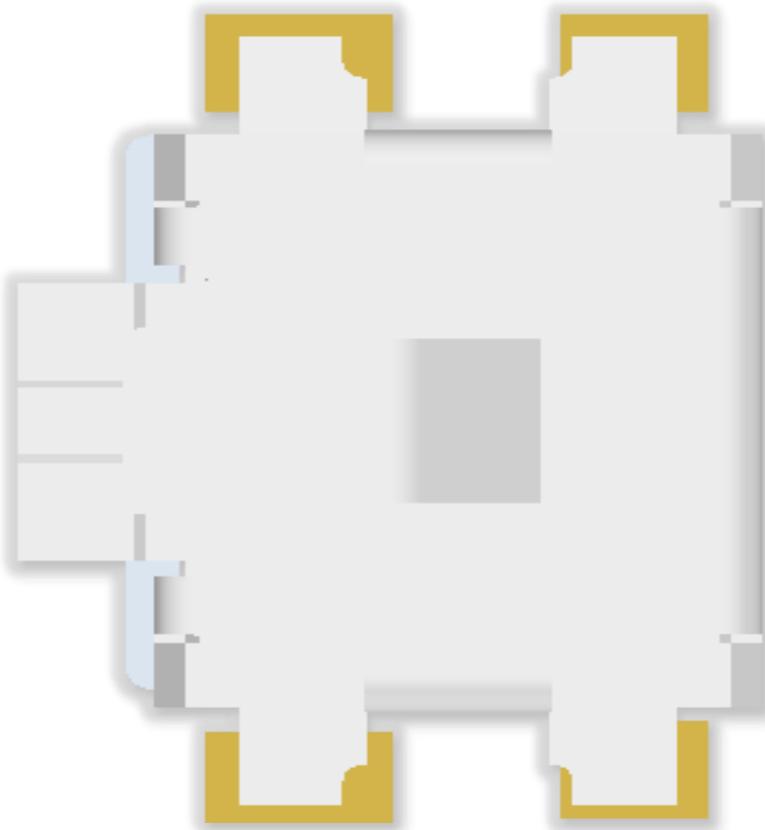


TOP SIDE

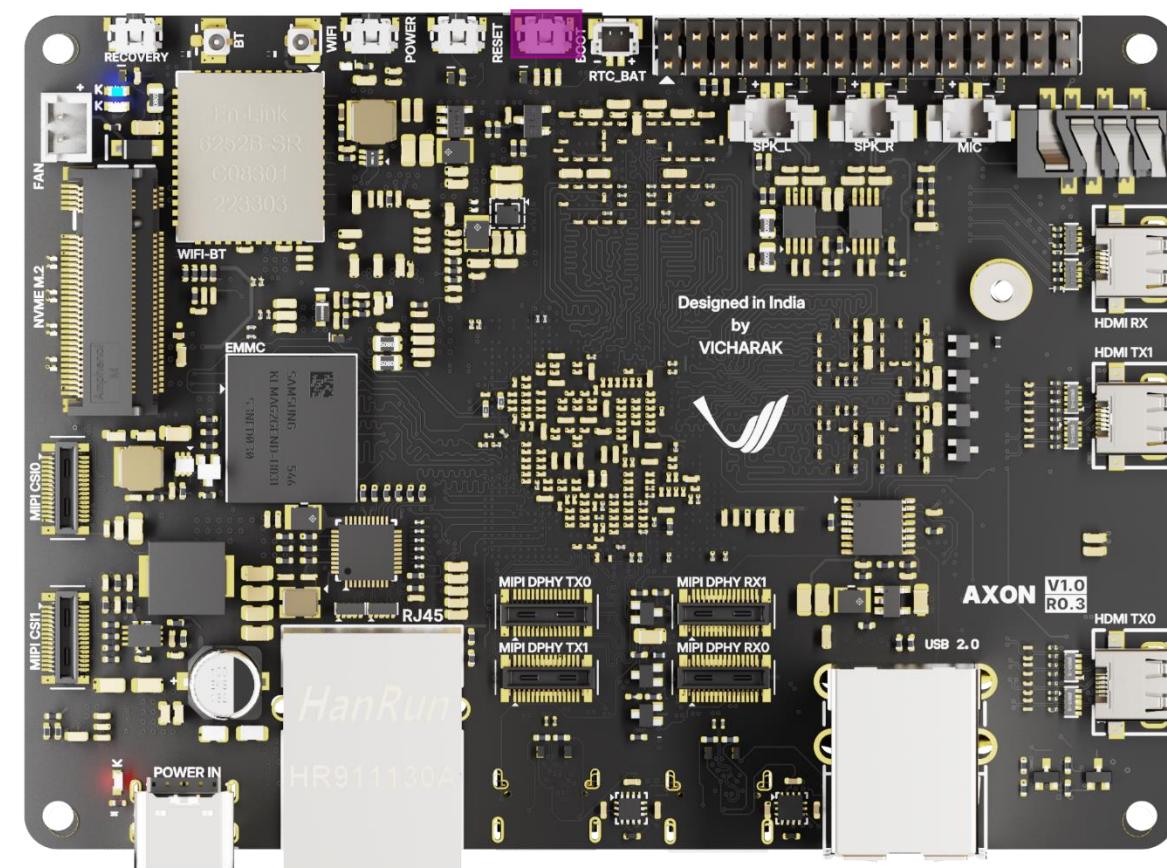


BOTTOM SIDE

01 Maskrom key

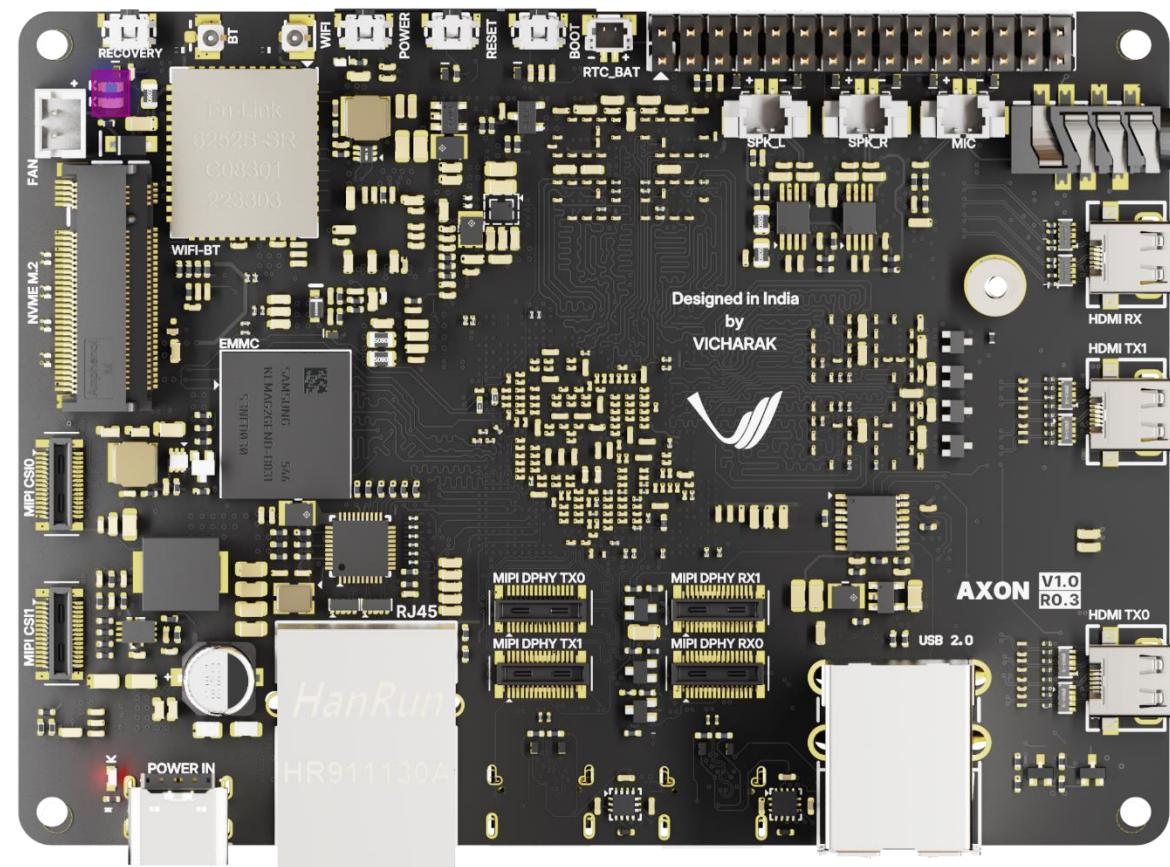


Maskrom Key





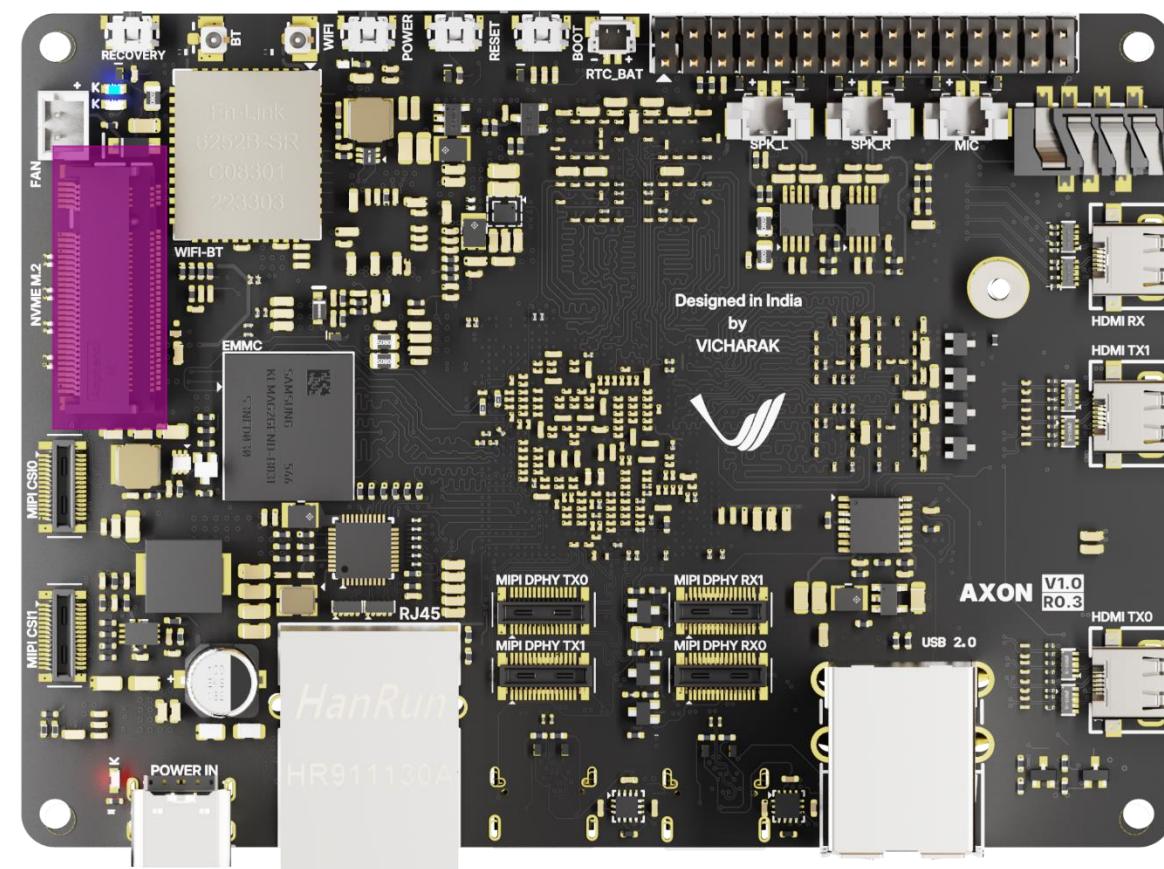
Status LED
USER LED

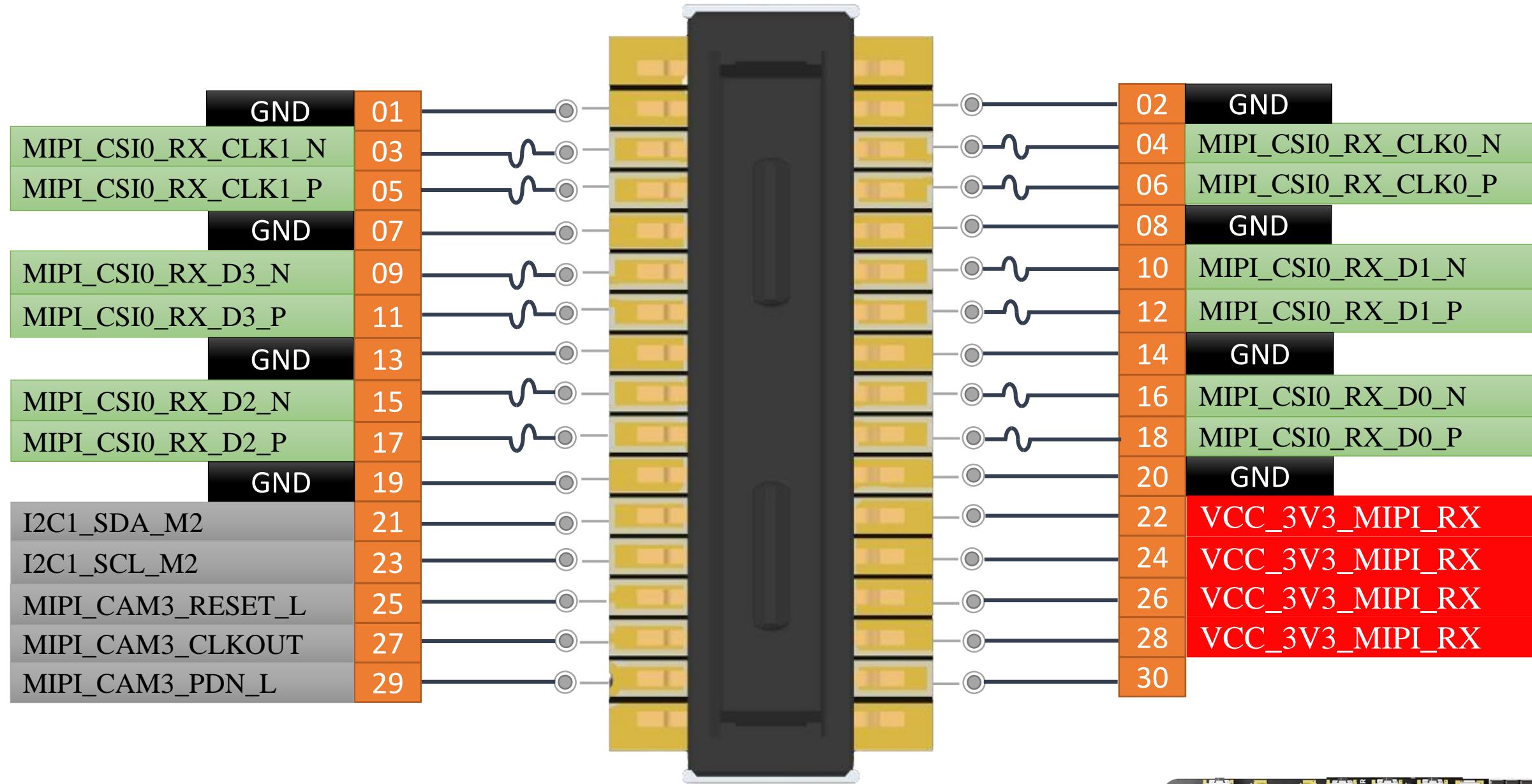


03 NVME M.2 M-key Connector



**NVME M.2 M-Key
PCIe Gen3**





On-Board Connector

30 Pin

0.4mm Pitch

Current Rating (Max): 300mA each pin

MPN : DF40C(2.0)-30DP-0.4V(51)

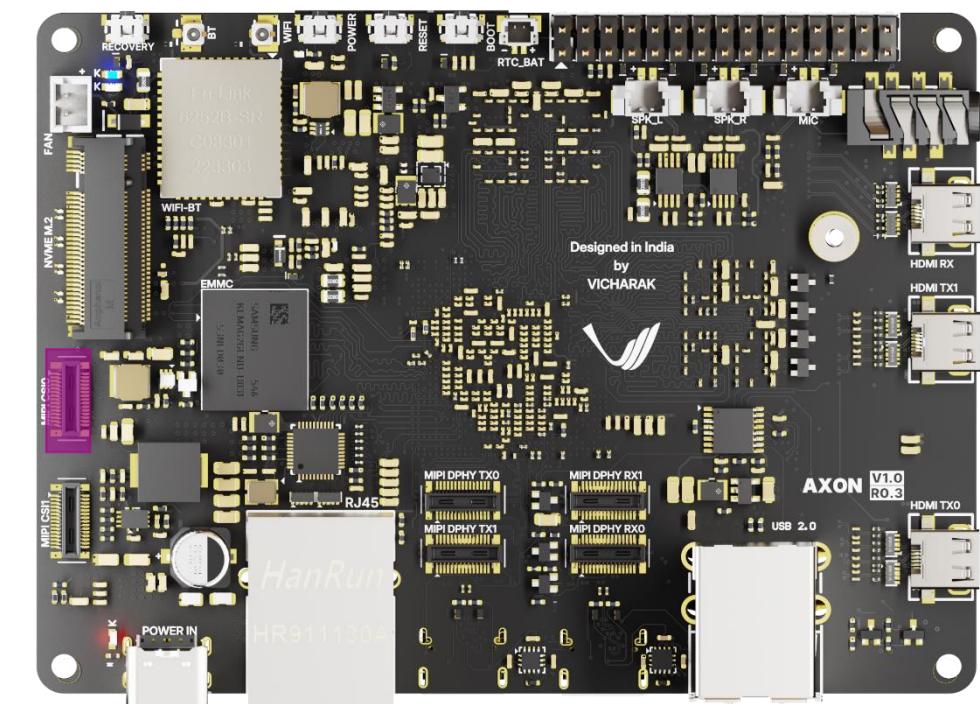
Mating Connector

30 Pin

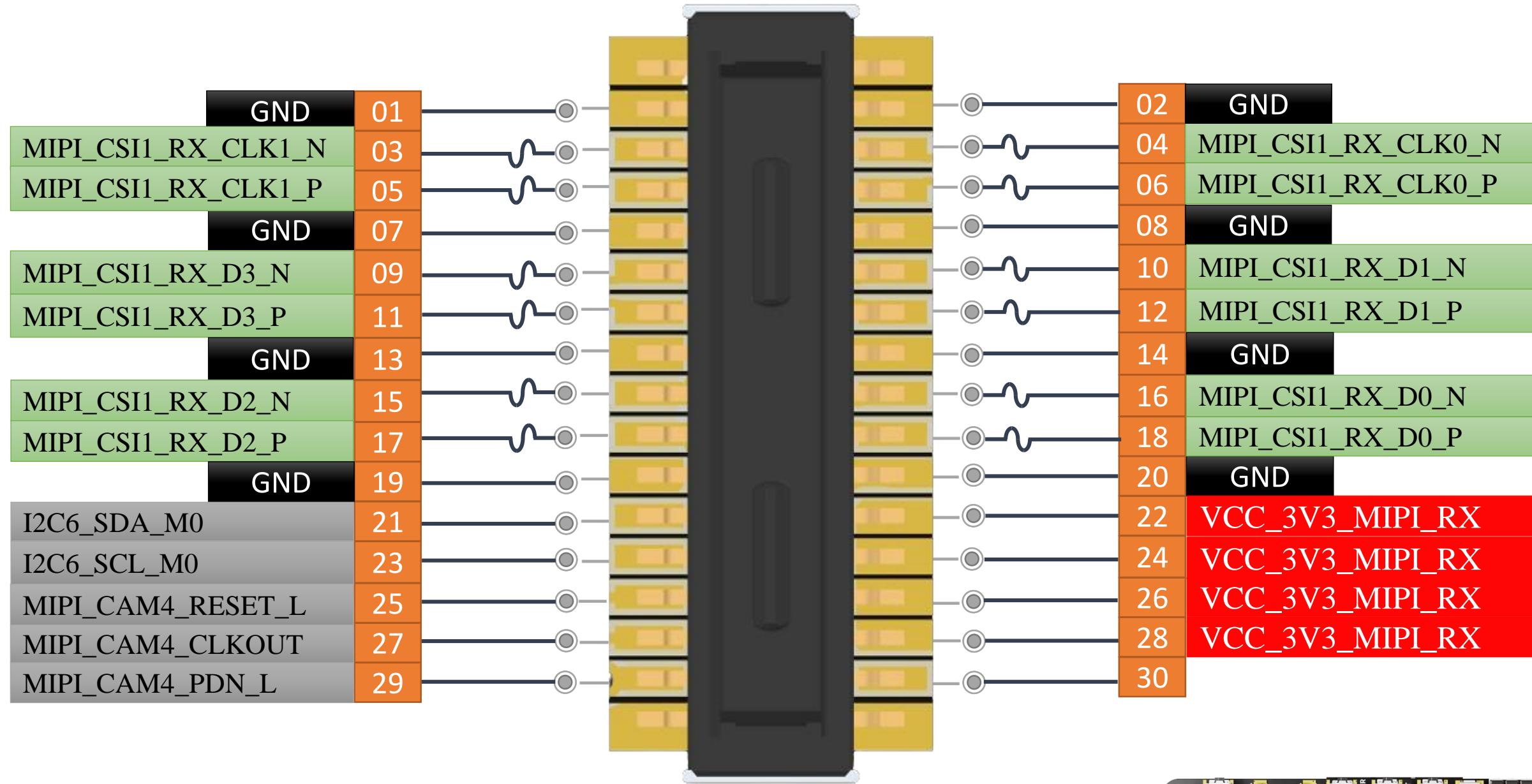
0.4mm Pitch

MPN : DF40C(2.0)-30DS-0.4V(51)

MIPI CSI RX0



05 MIPI CSI RX PORT1



On-Board Connector

30 Pin

0.4mm Pitch

Current Rating (Max): 300mA each pin

MPN : DF40C(2.0)-30DP-0.4V(51)

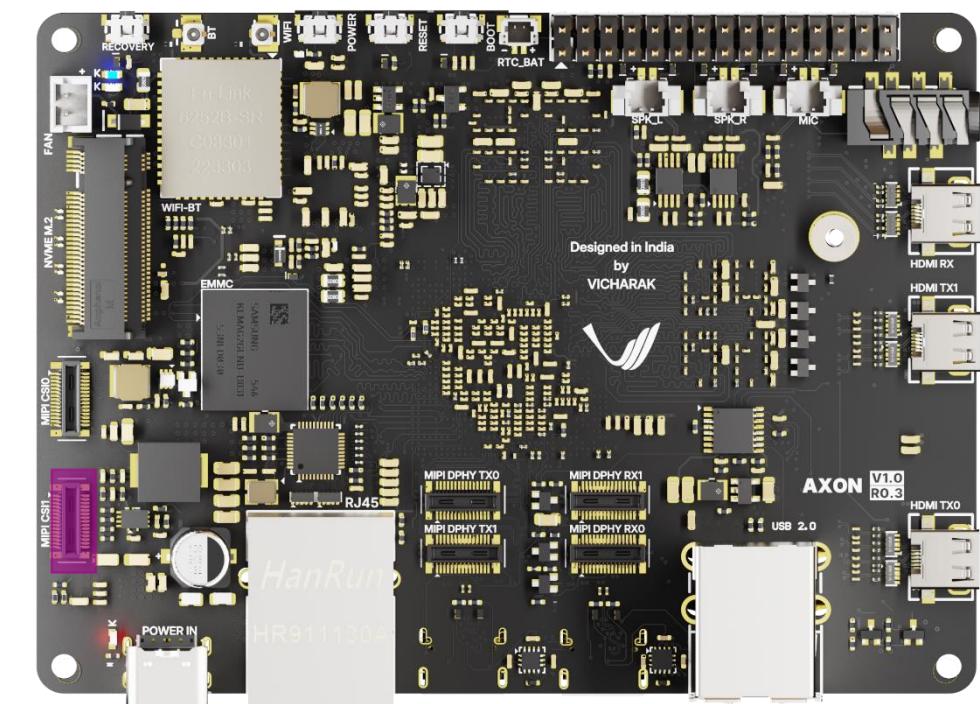
Mating Connector

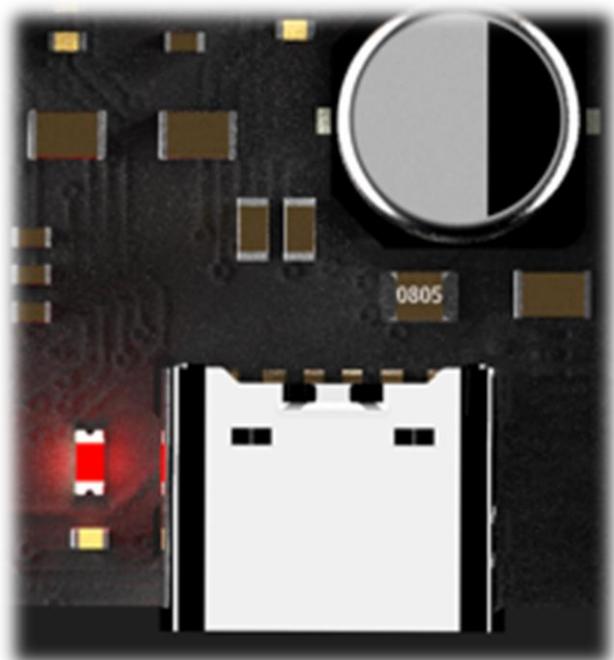
30 Pin

0.4mm Pitch

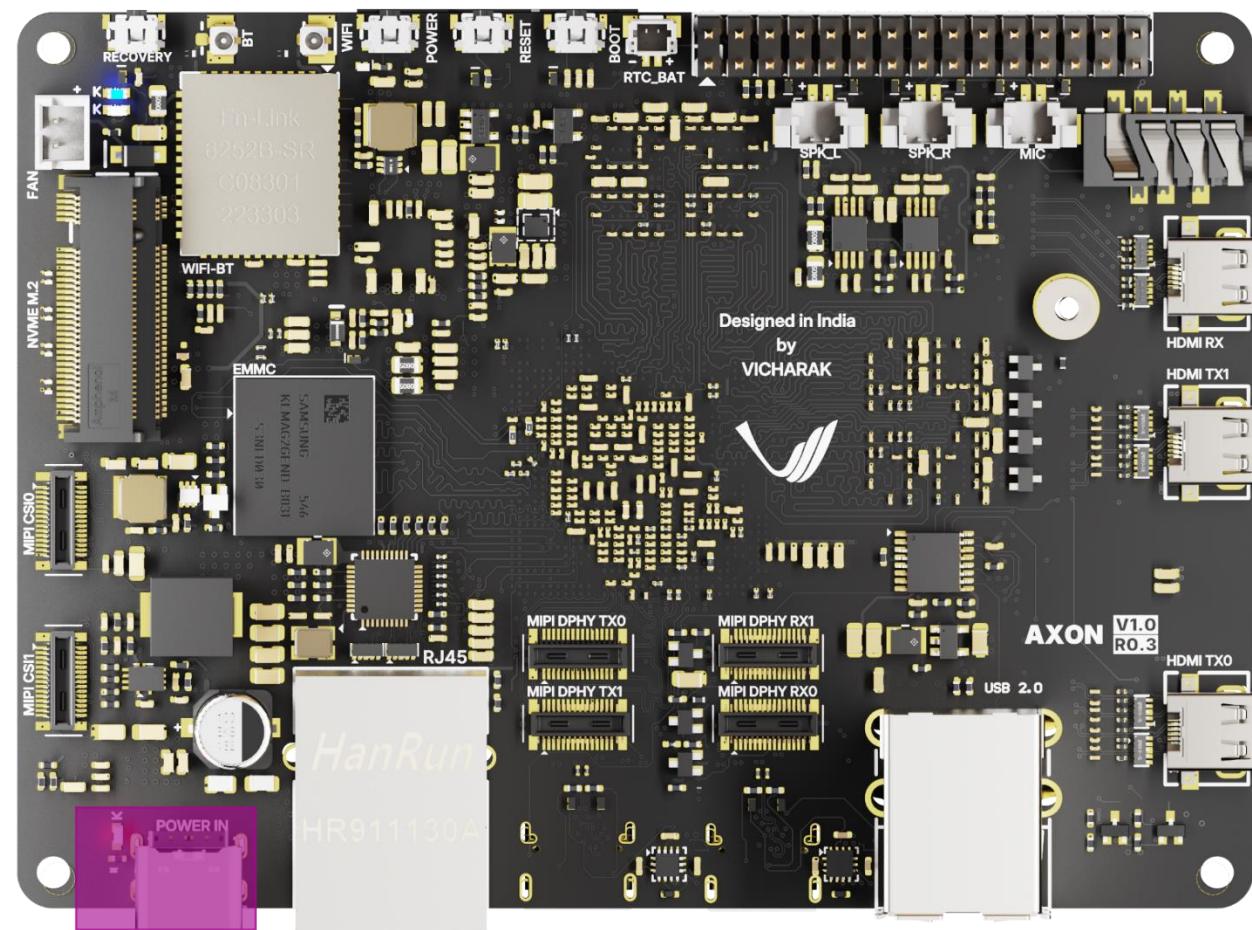
MPN : DF40C(2.0)-30DS-0.4V(51)

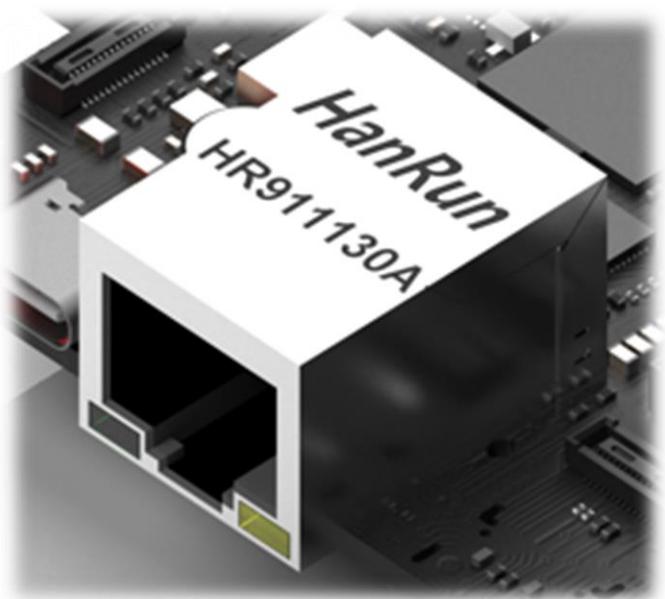
MIPI CSI RX1



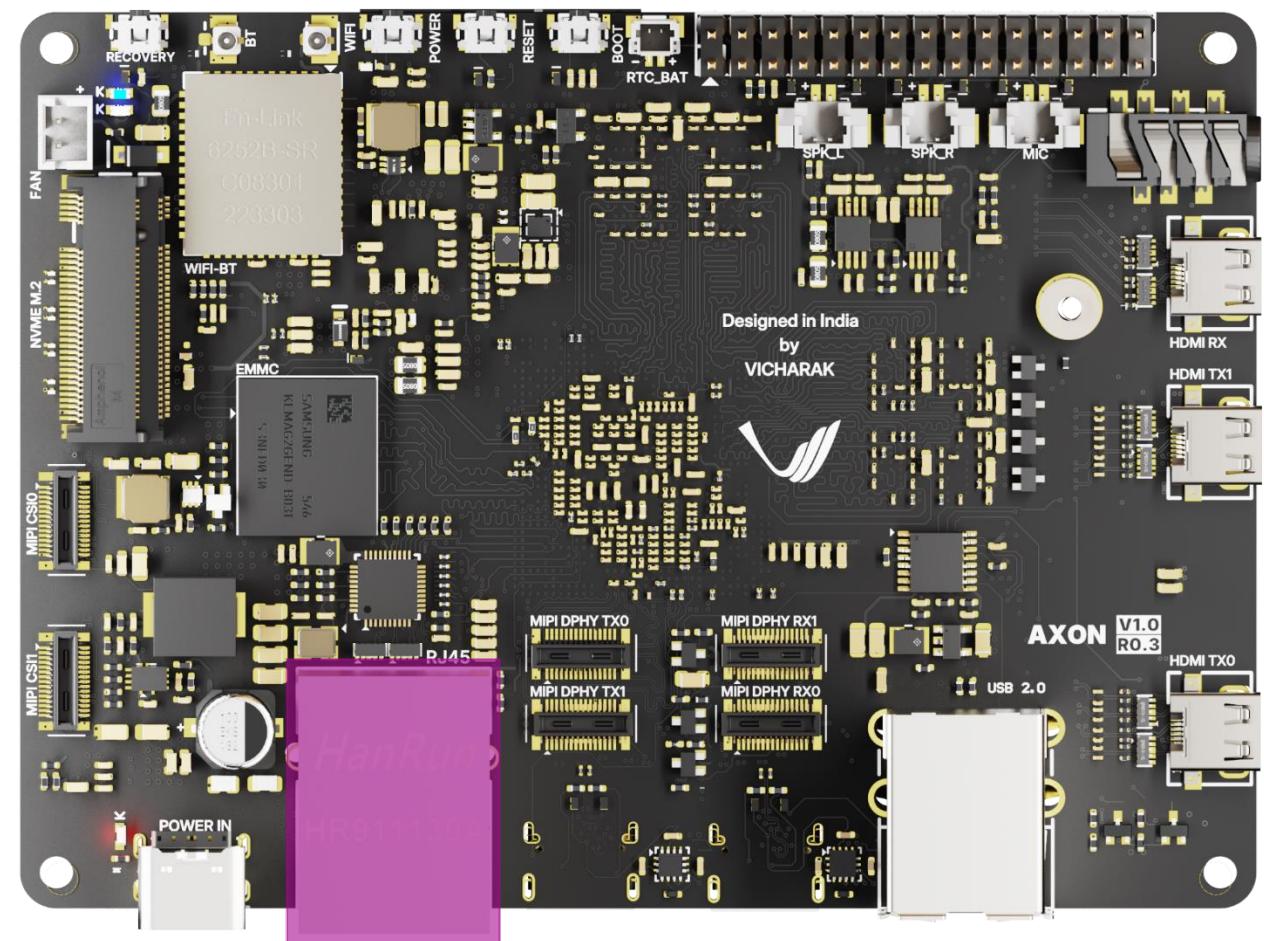


Type-C Power Input
(12VDC-5A)

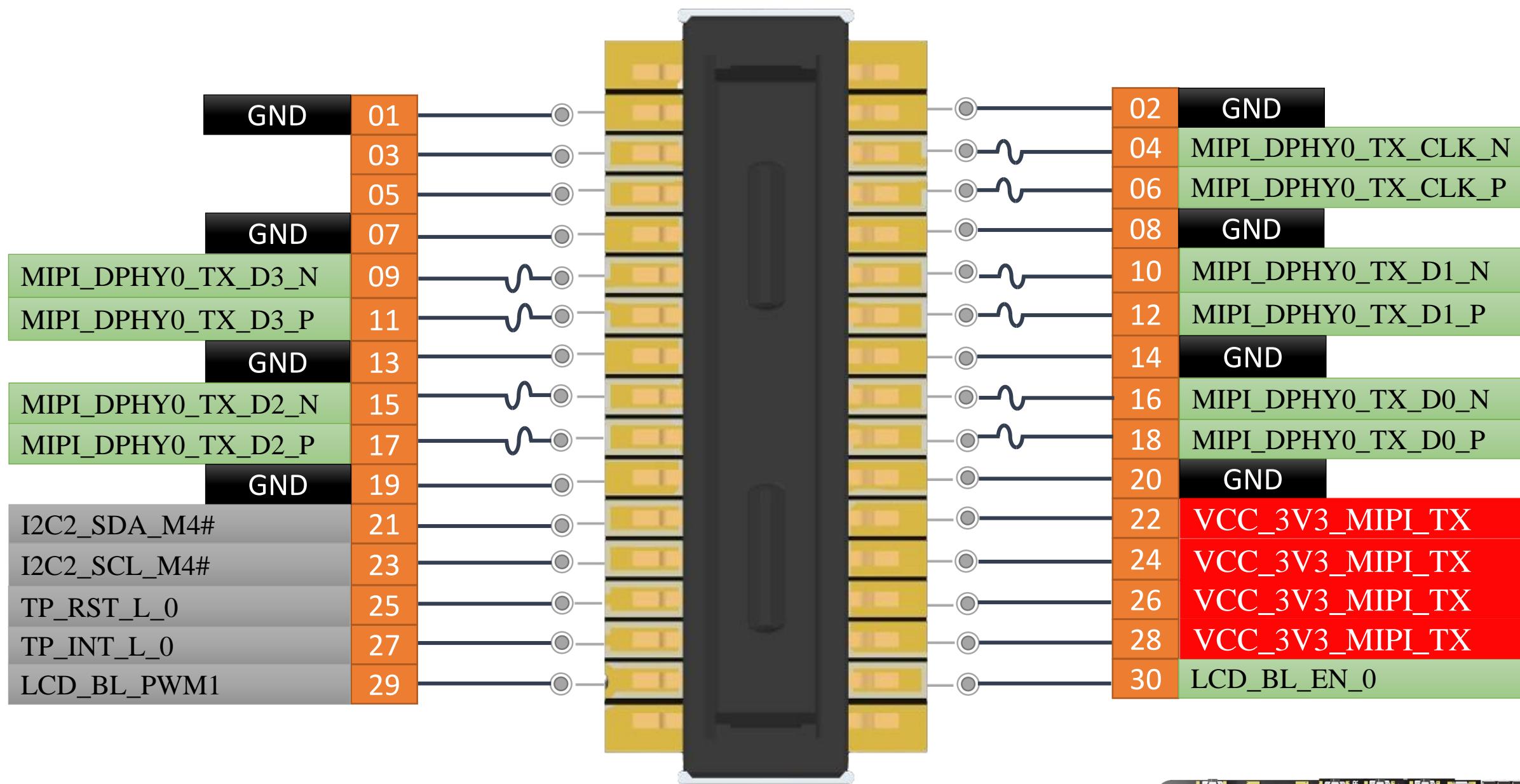




ETHERNET
(10/100/1000Mbps)



08 MIPI D-PHY TX PORT0



On-Board Connector

30 Pin

0.4mm Pitch

Current Rating (Max): 300mA each pin

MPN : DF40C(2.0)-30DP-0.4V(51)

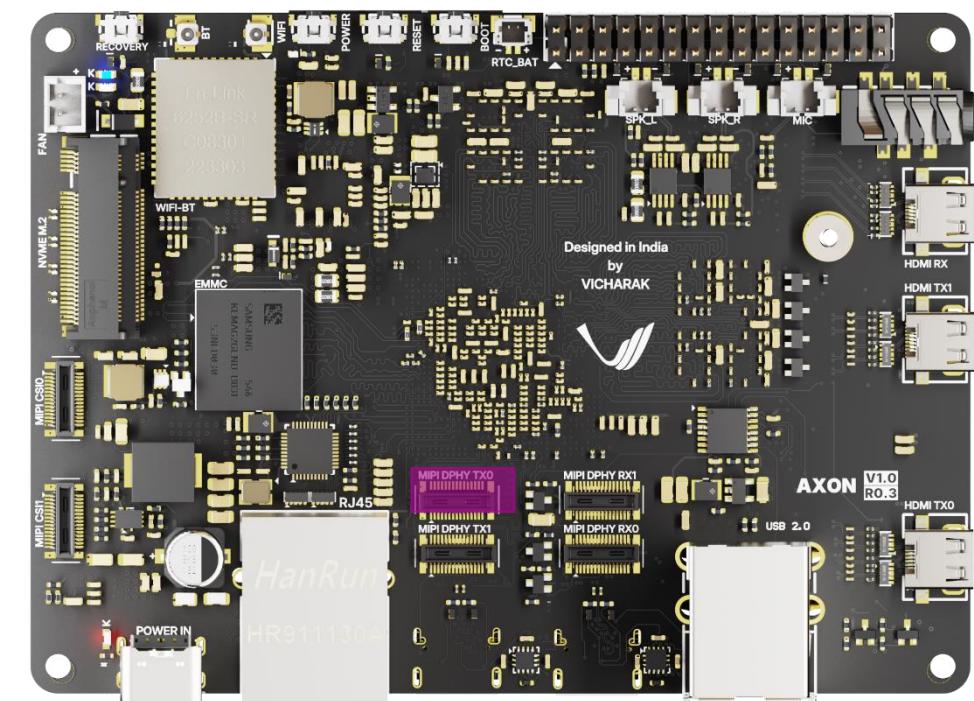
Mating Connector

30 Pin

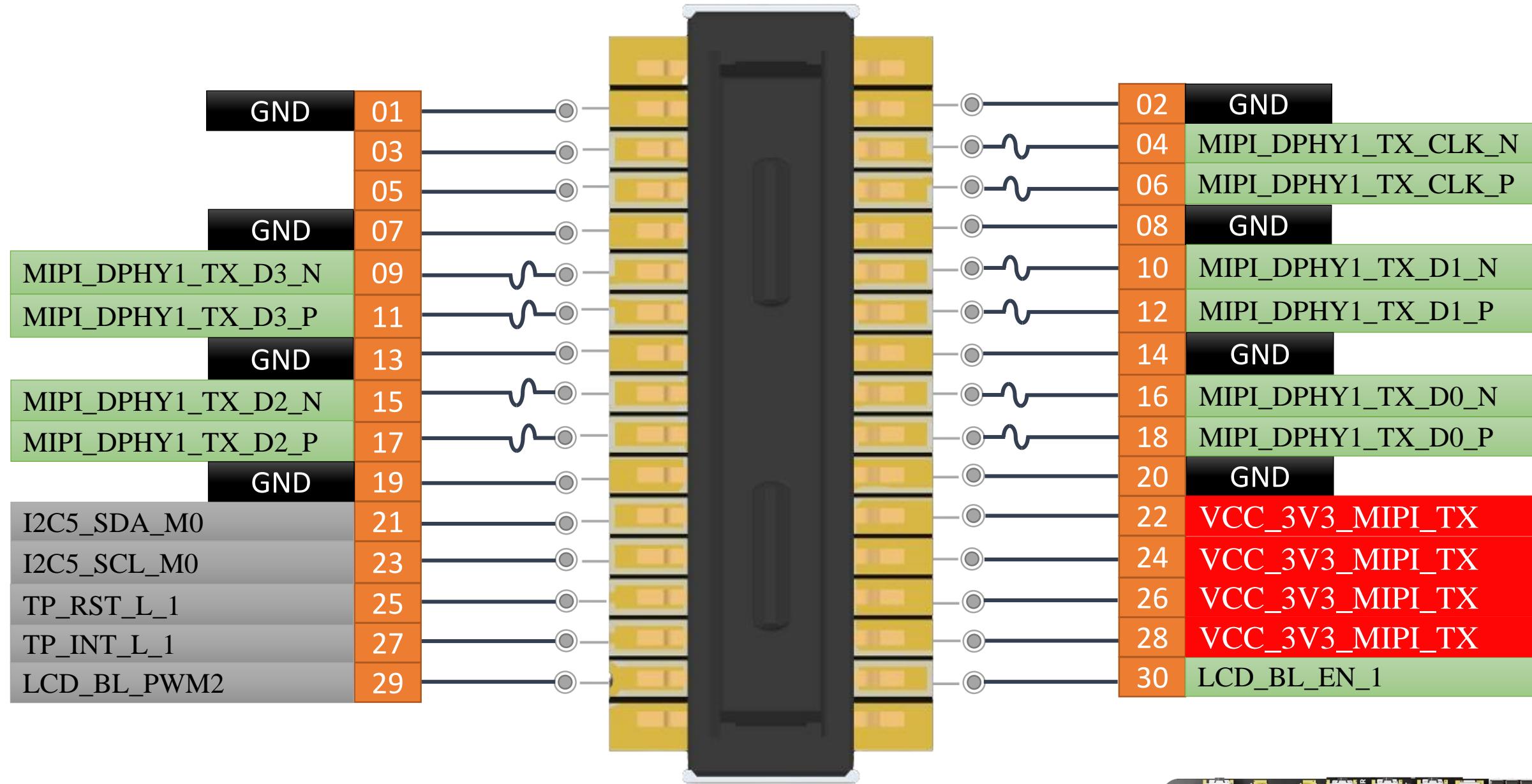
0.4mm Pitch

MPN : DF40C(3.5)-30DS-0.4V(51)

MIPI D-PHY0 TX



09 MIPI D-PHY TX PORT1



On-Board Connector

30 Pin

0.4mm Pitch

Current Rating (Max): 300mA each pin

MPN : DF40C(2.0)-30DP-0.4V(51)

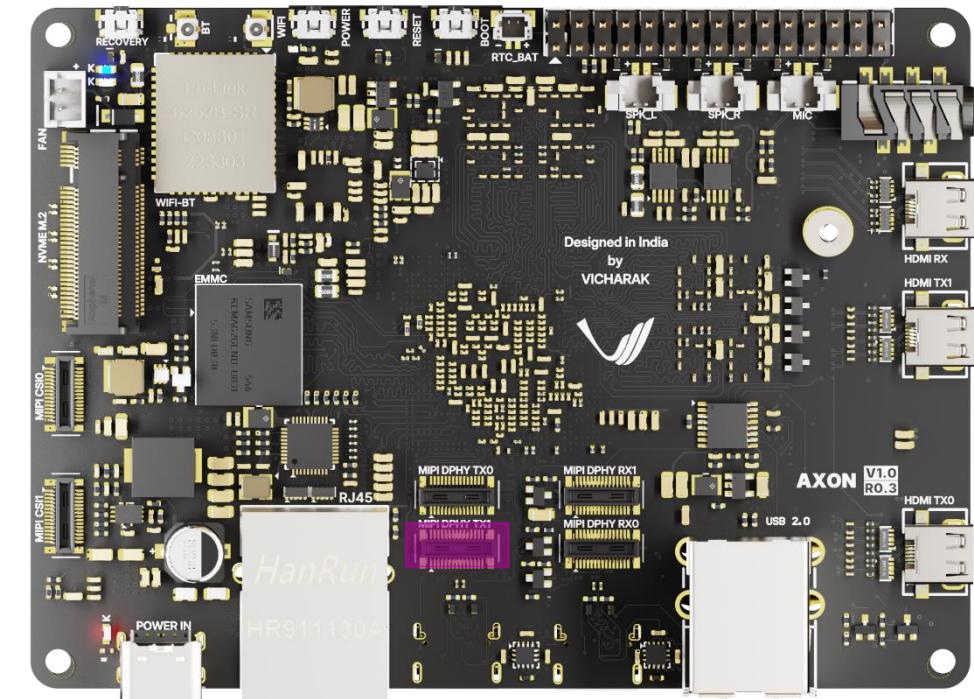
Mating Connector

30 Pin

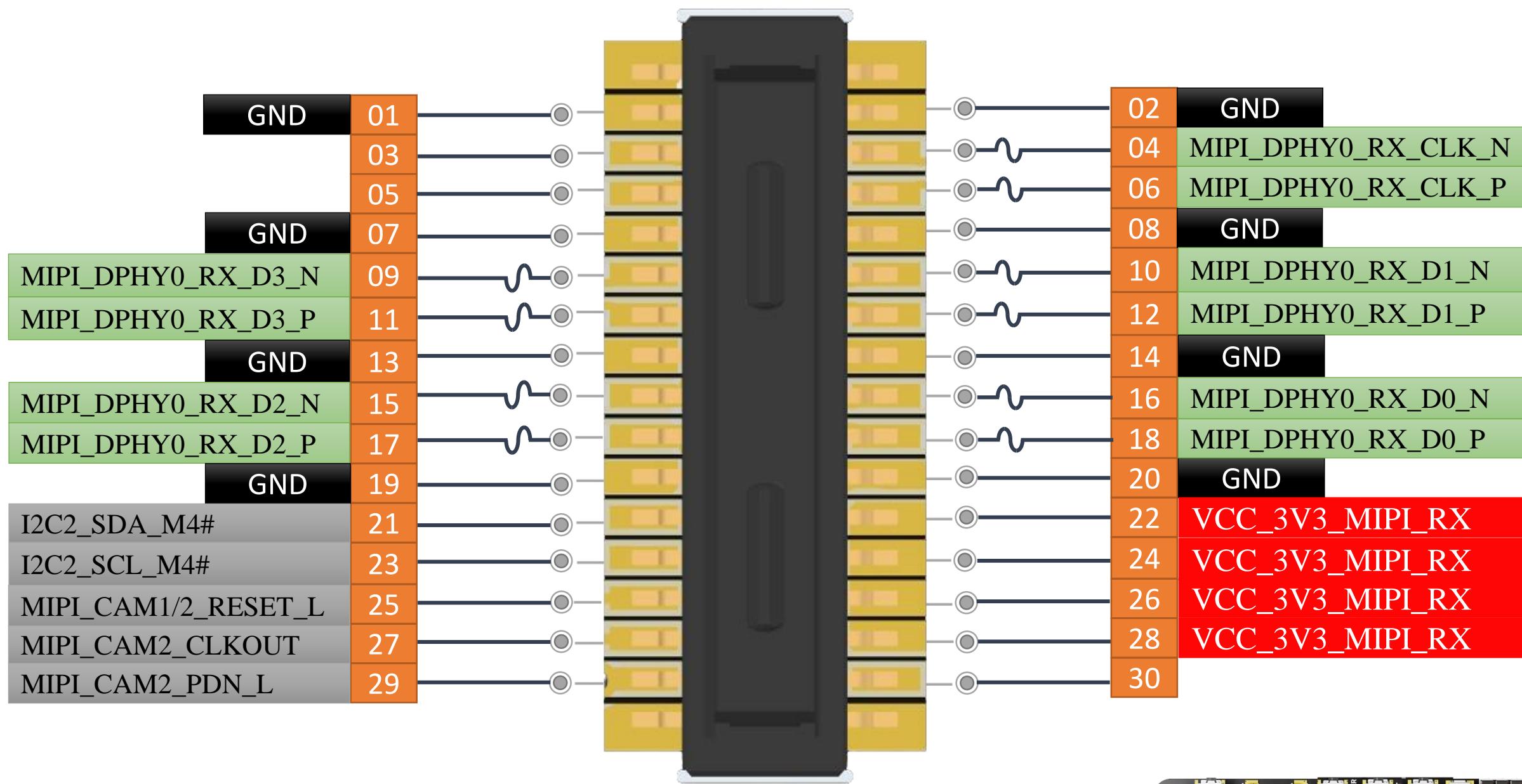
0.4mm Pitch

MPN : DF40C(2.0)-30DS-0.4V(51)

MIPI D-PHY1 TX



10 MIPI D-PHY RX PORT0



On-Board Connector

30 Pin

0.4mm Pitch

Current Rating (Max): 300mA each pin

MPN : DF40C(2.0)-30DP-0.4V(51)

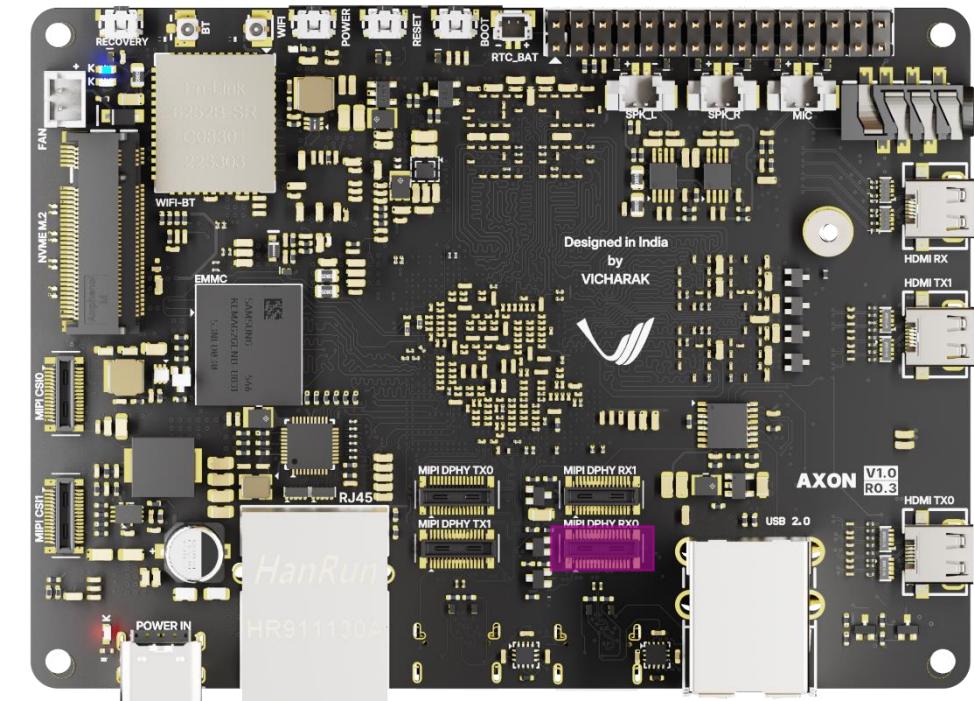
Mating Connector

30 Pin

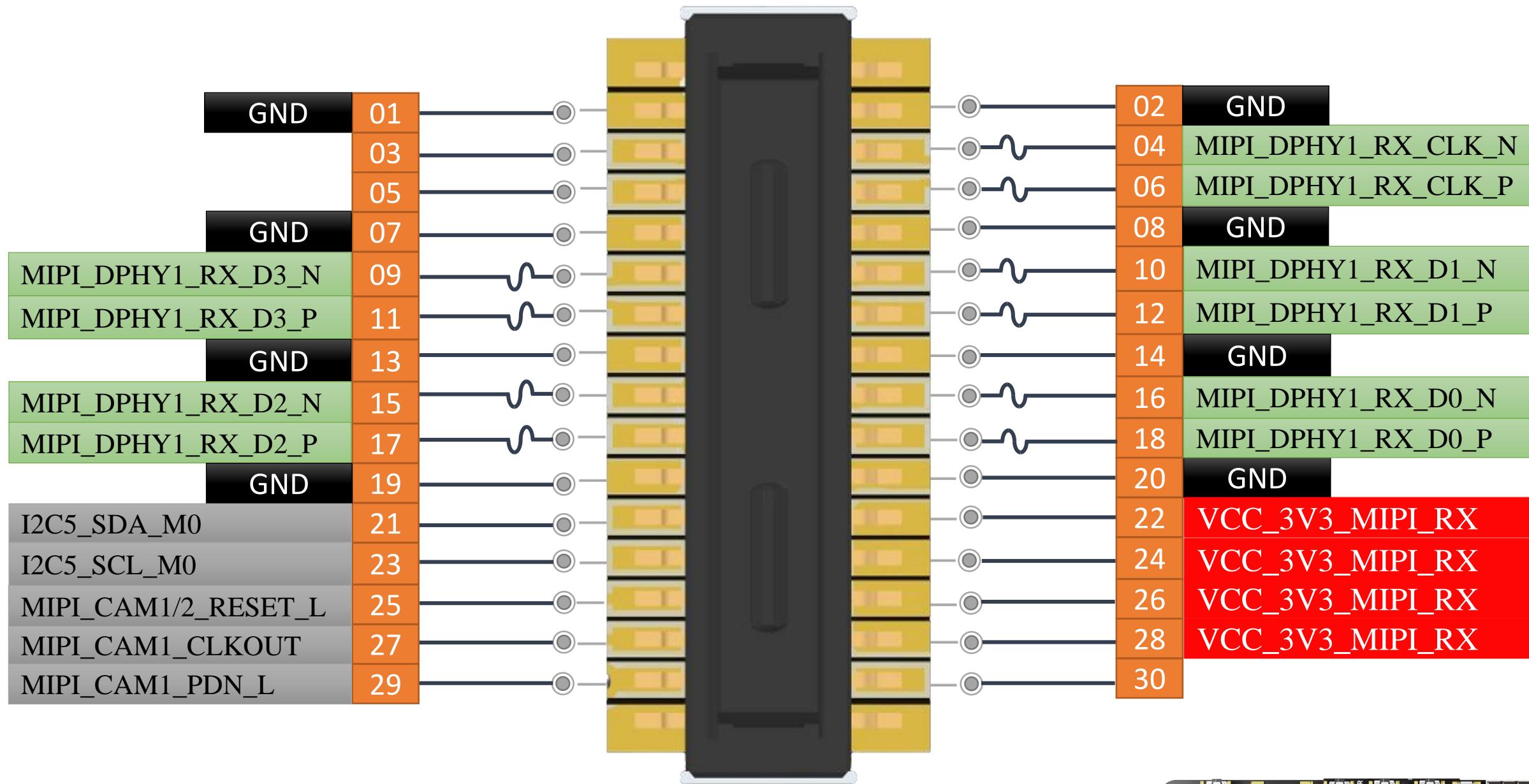
0.4mm Pitch

MPN : DF40C(2.0)-30DS-0.4V(51)

MIPI D-PHY0 RX



11 MIPI D-PHY RX PORT1



On-Board Connector

30 Pin

0.4mm Pitch

Current Rating (Max): 300mA each pin

MPN : DF40C(2.0)-30DP-0.4V(51)

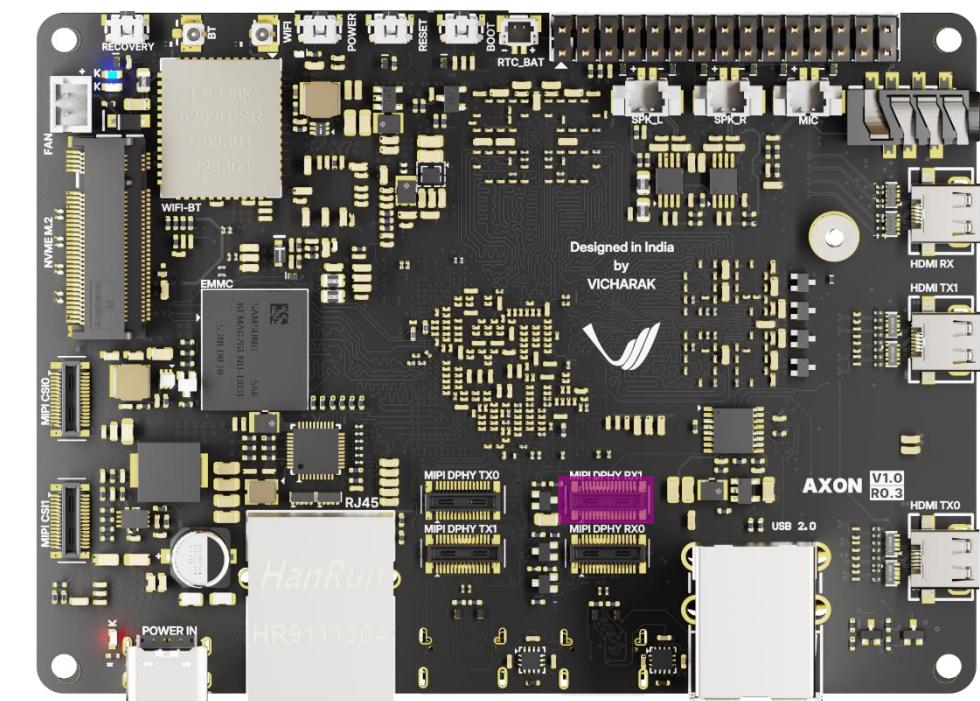
Mating Connector

30 Pin

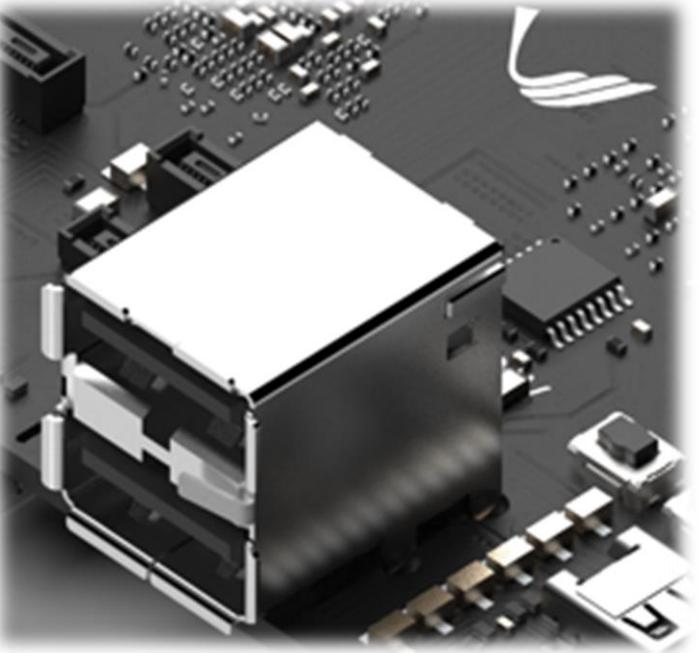
0.4mm Pitch

MPN : DF40C(3.5)-30DS-0.4V(51)

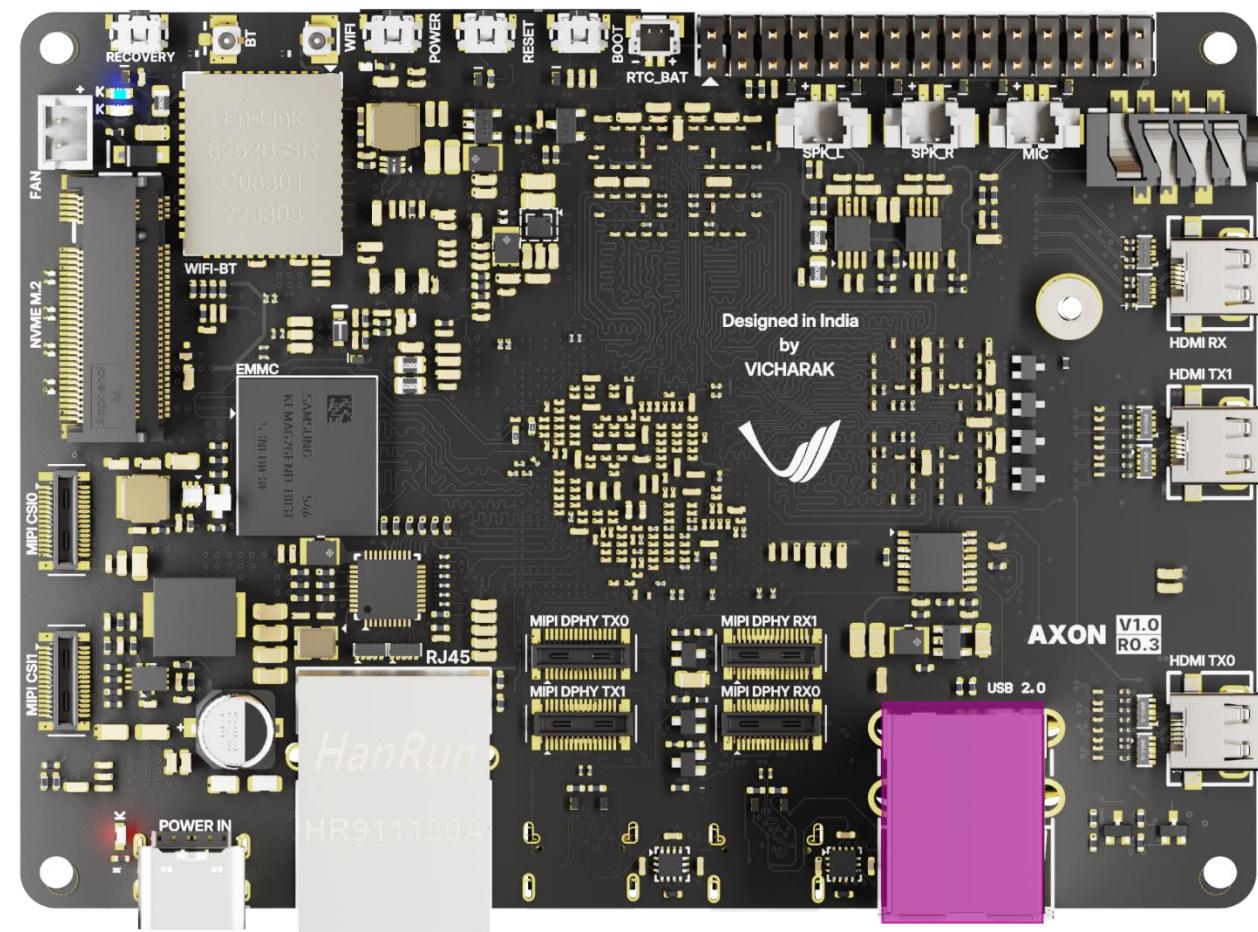
MIPI D-PHY1 RX

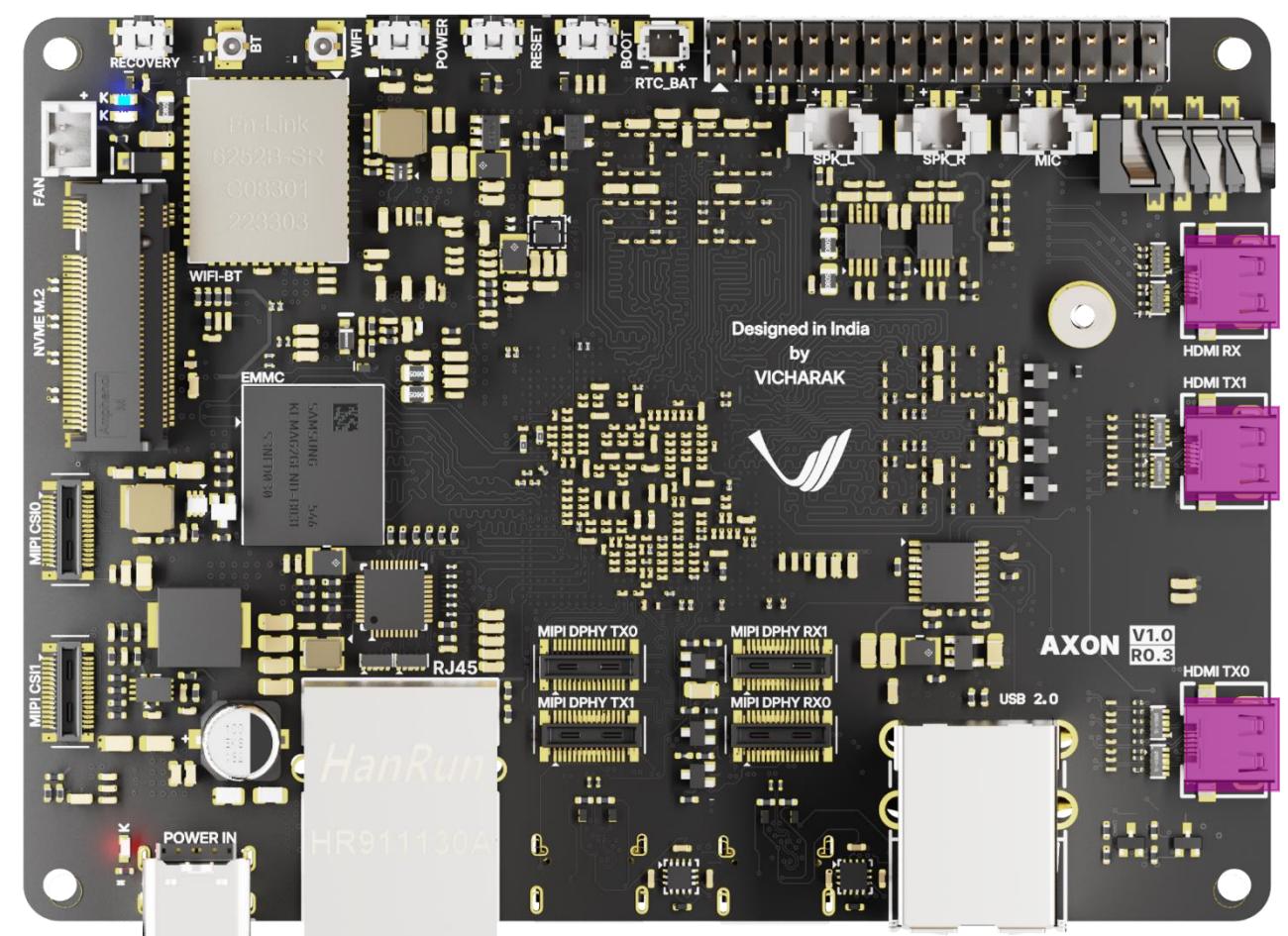
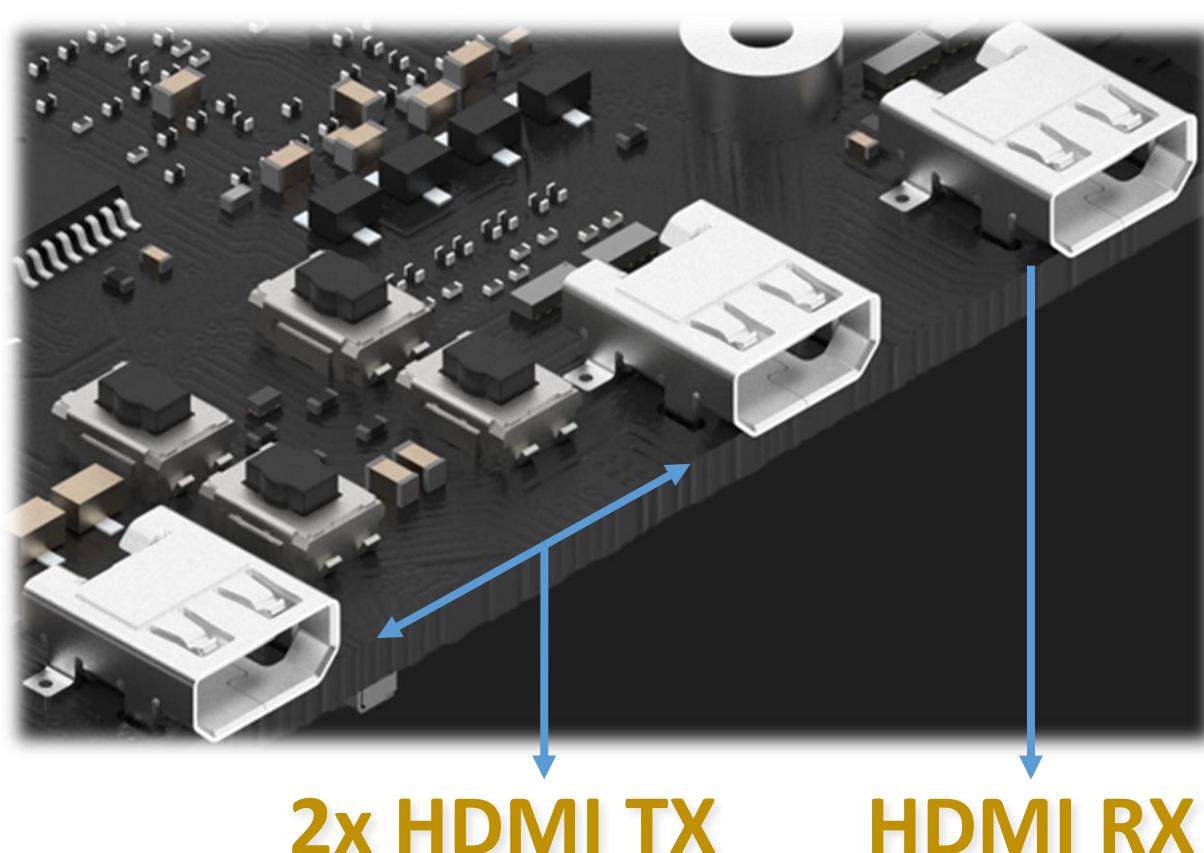


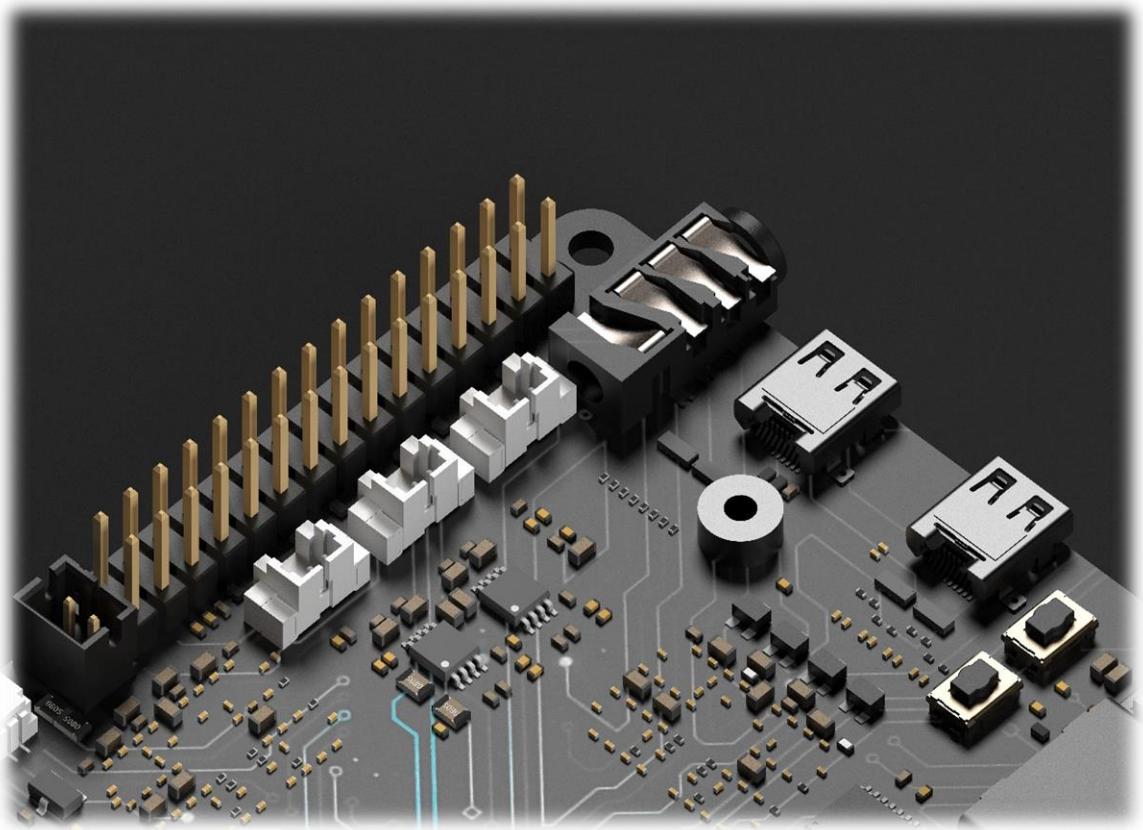
12 Dual USB2.0 HOST



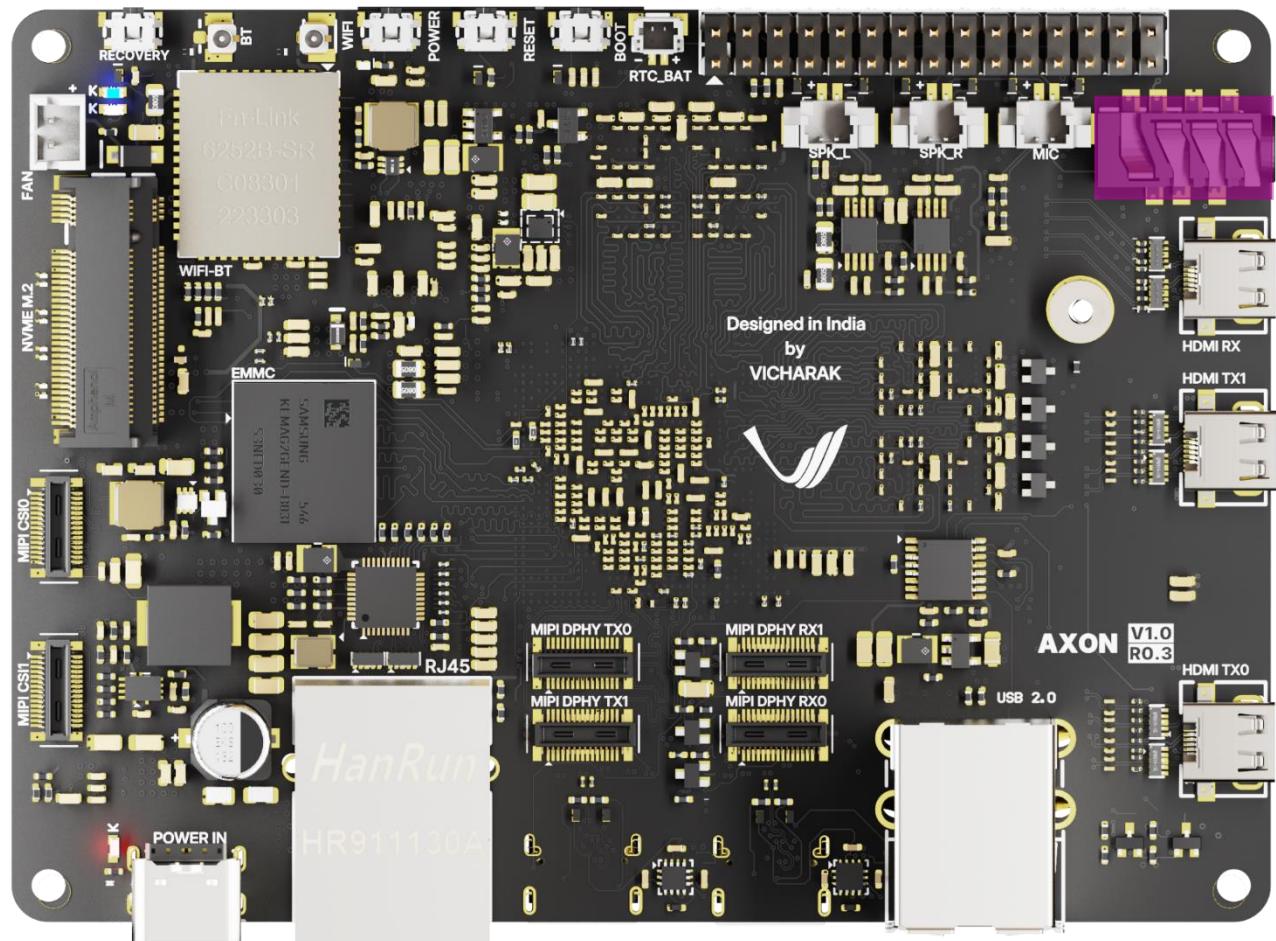
2x USB2.0 HOST



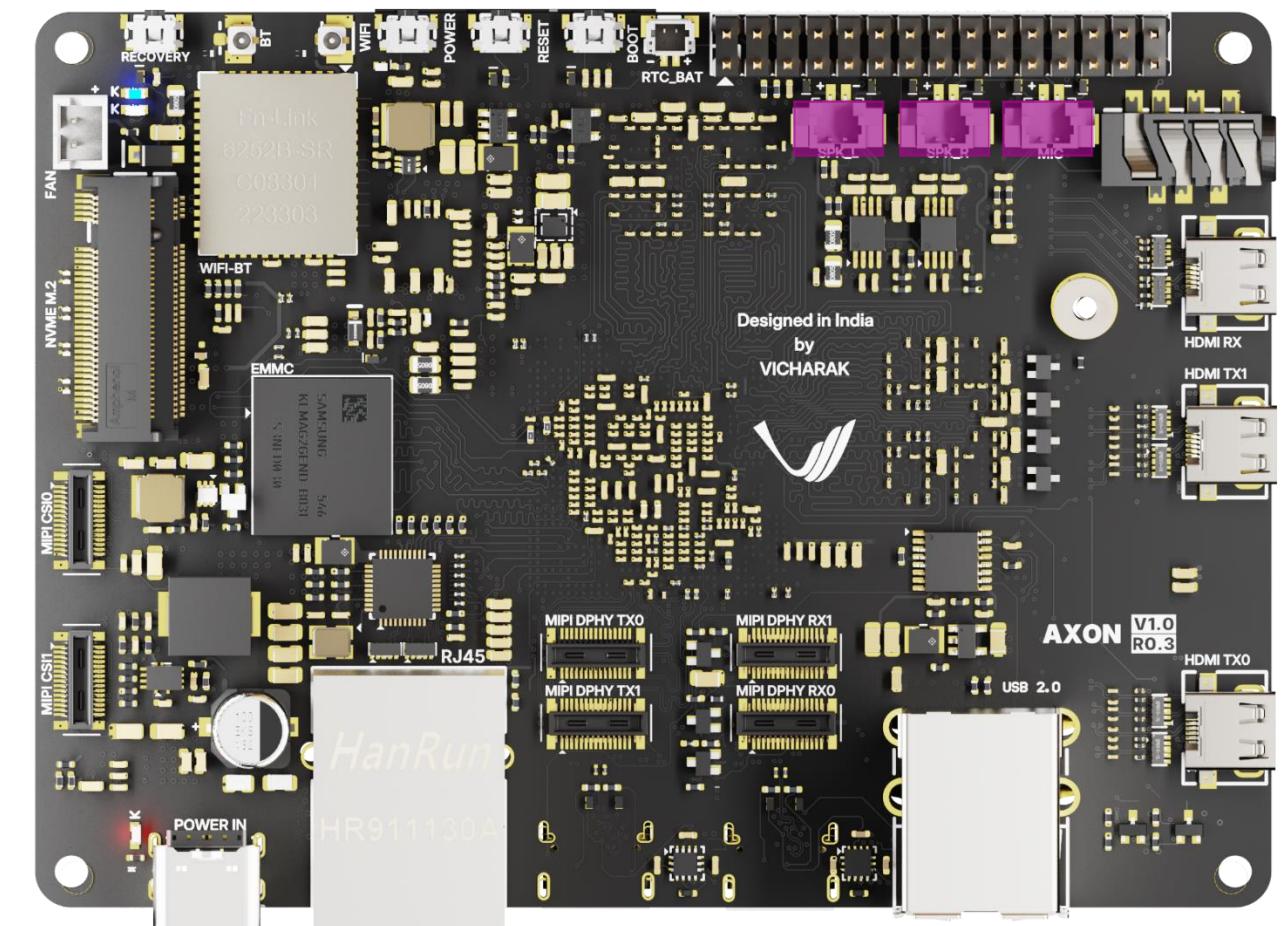
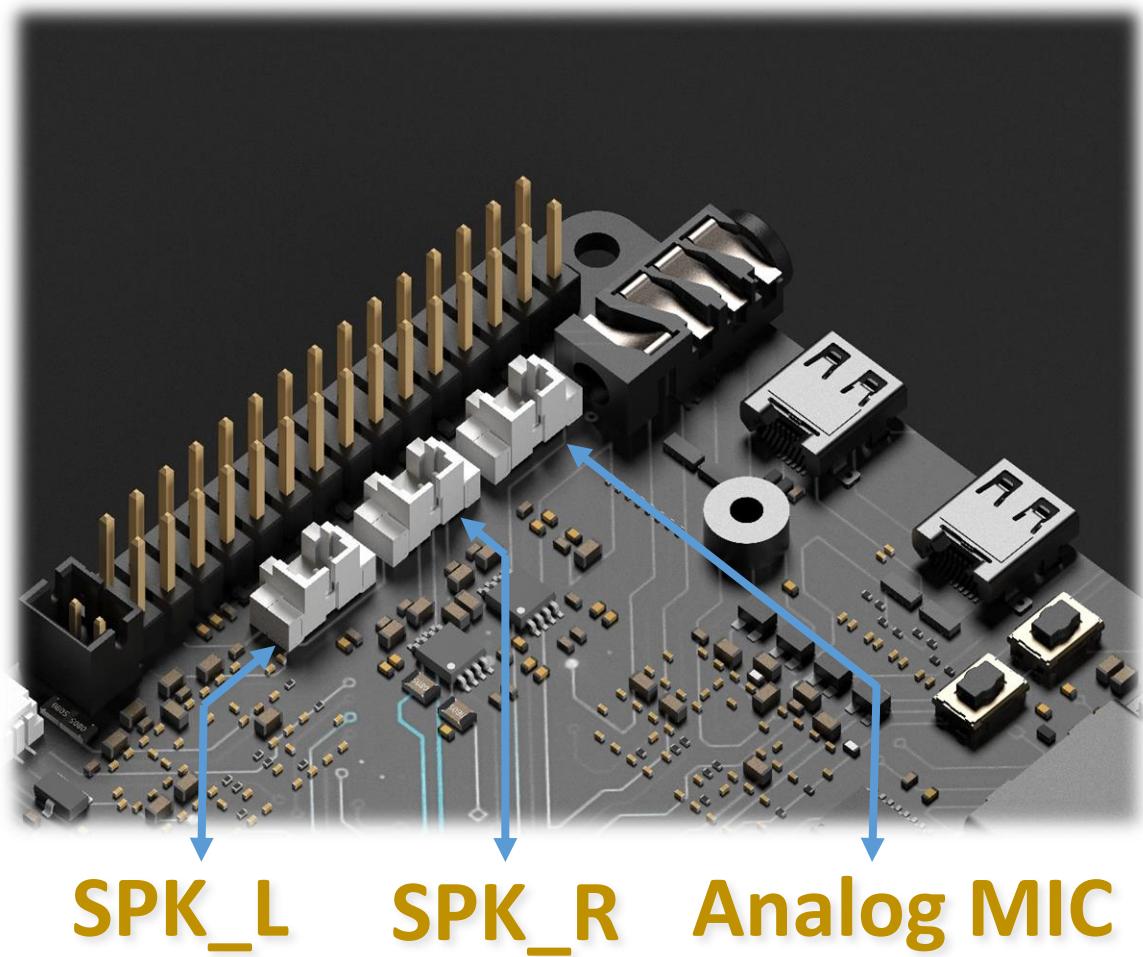


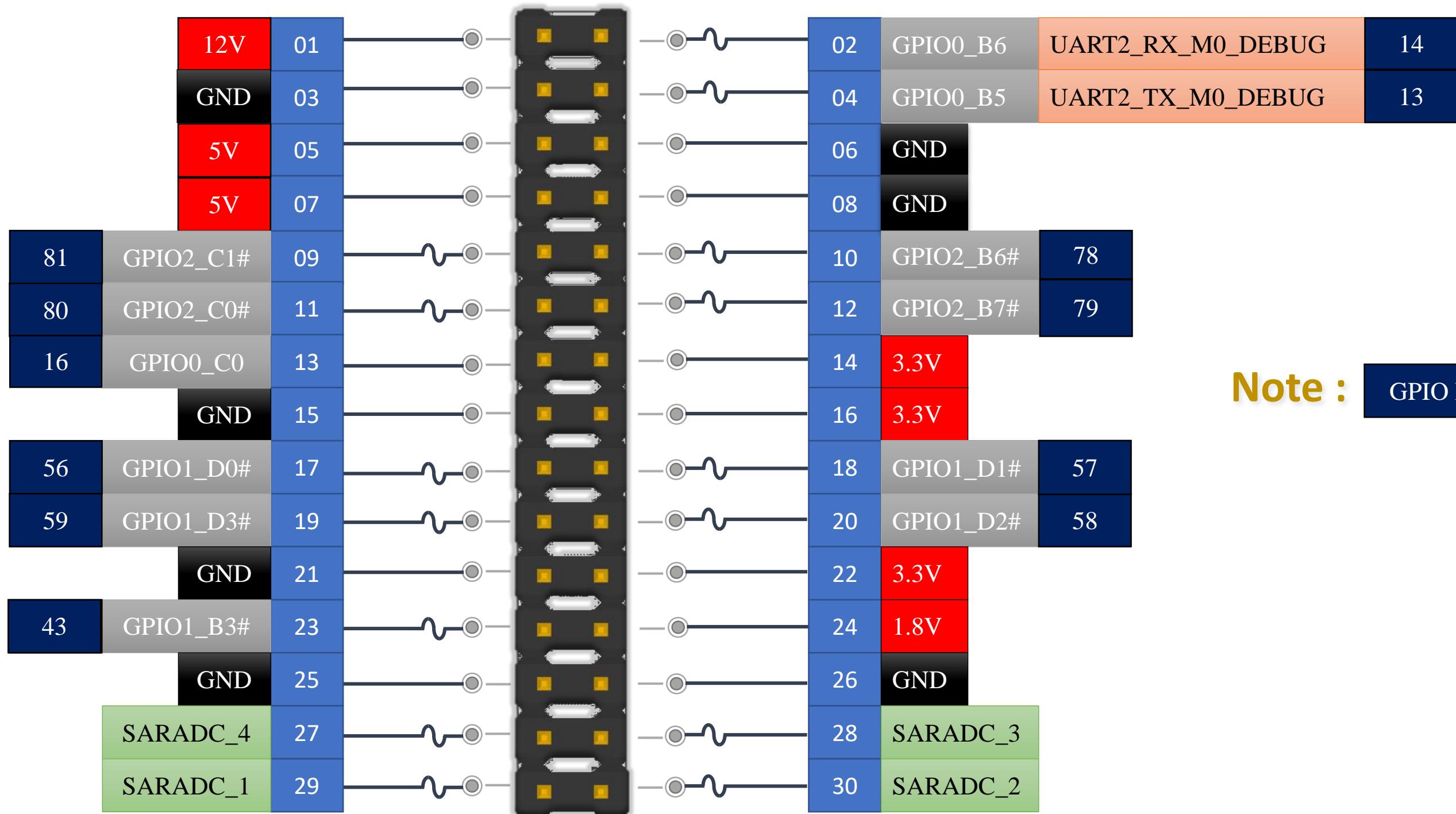


3.5mm Audio Jack with MIC

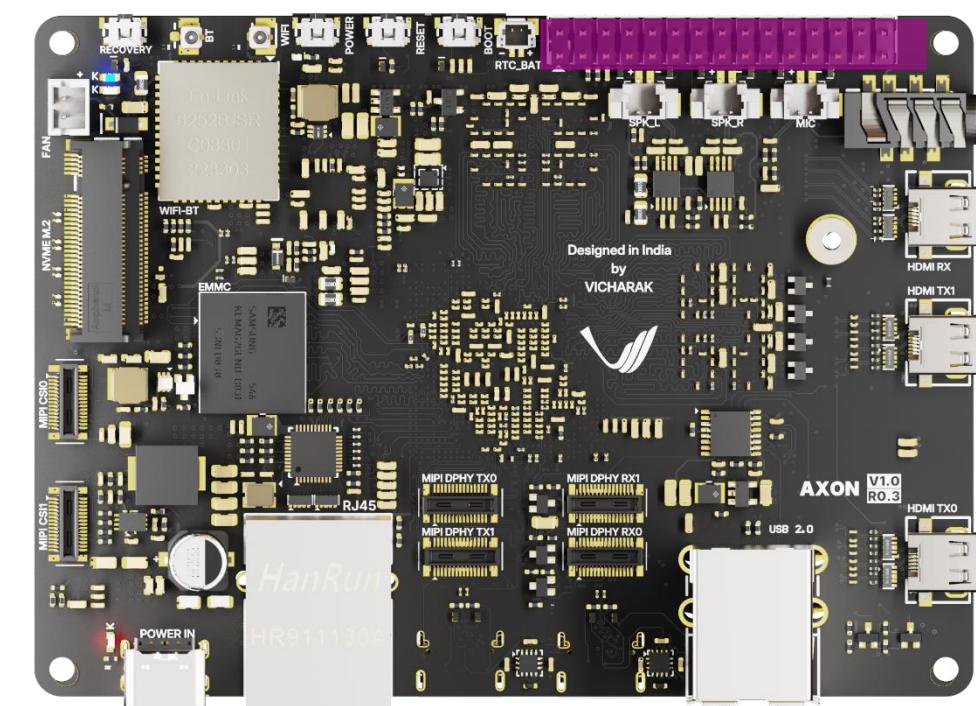


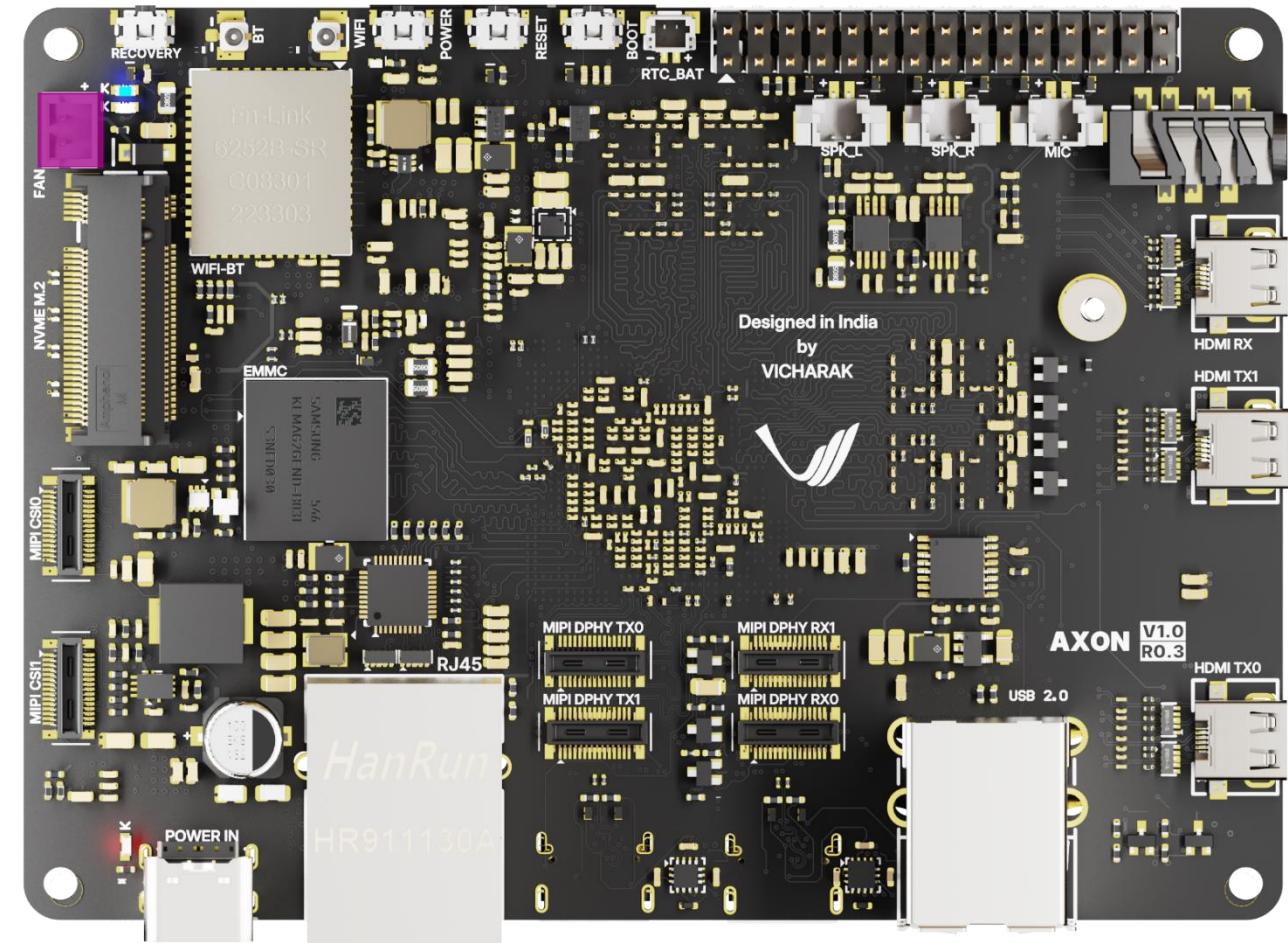
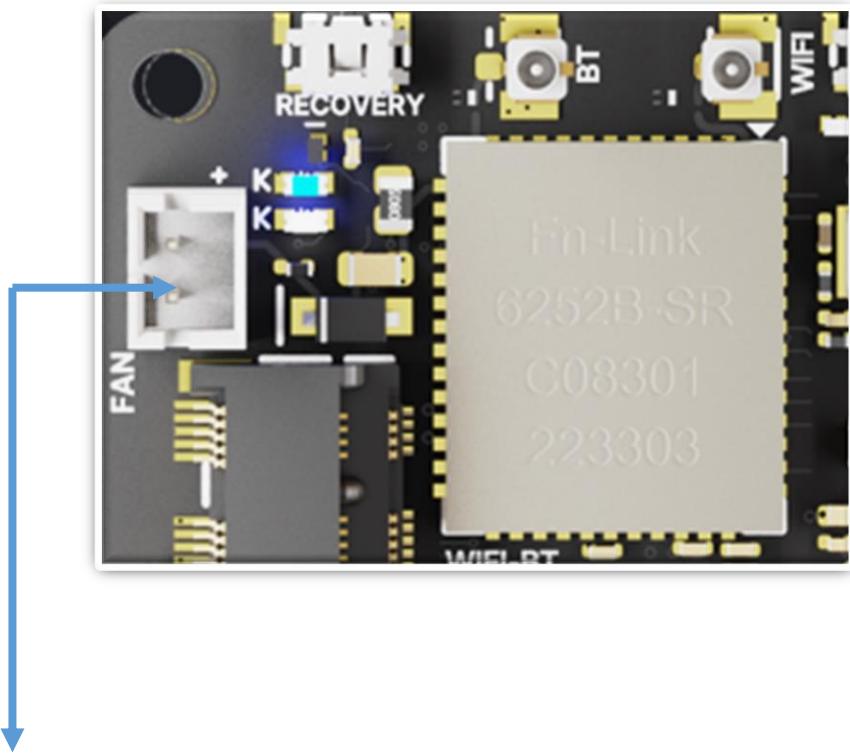
15 Analog Mic and Speaker





RK3588 30Pin GPIO Header 2.54mm





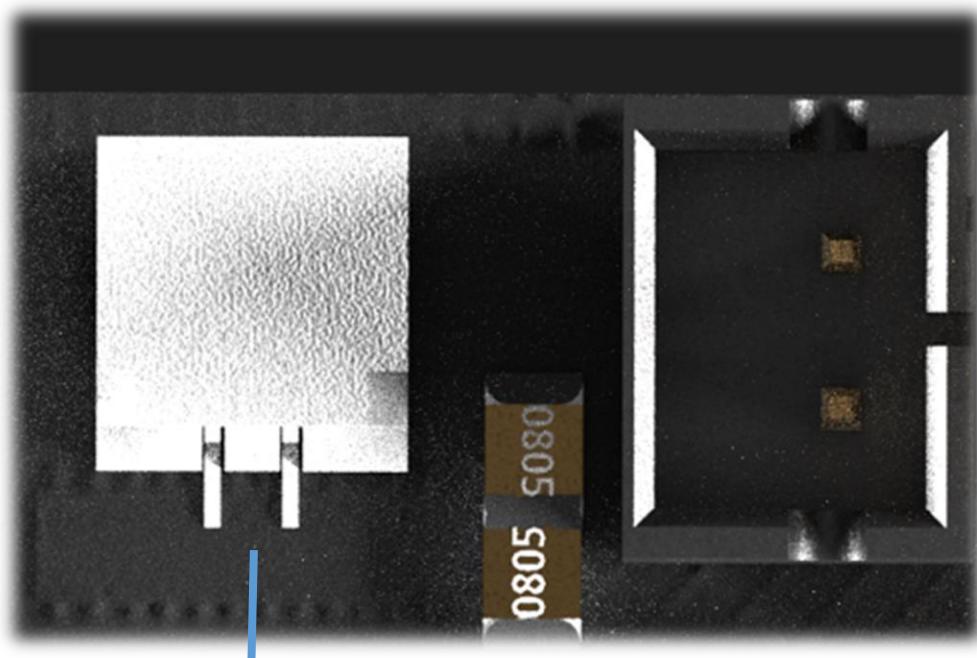
Fan Connector

FAN Connector

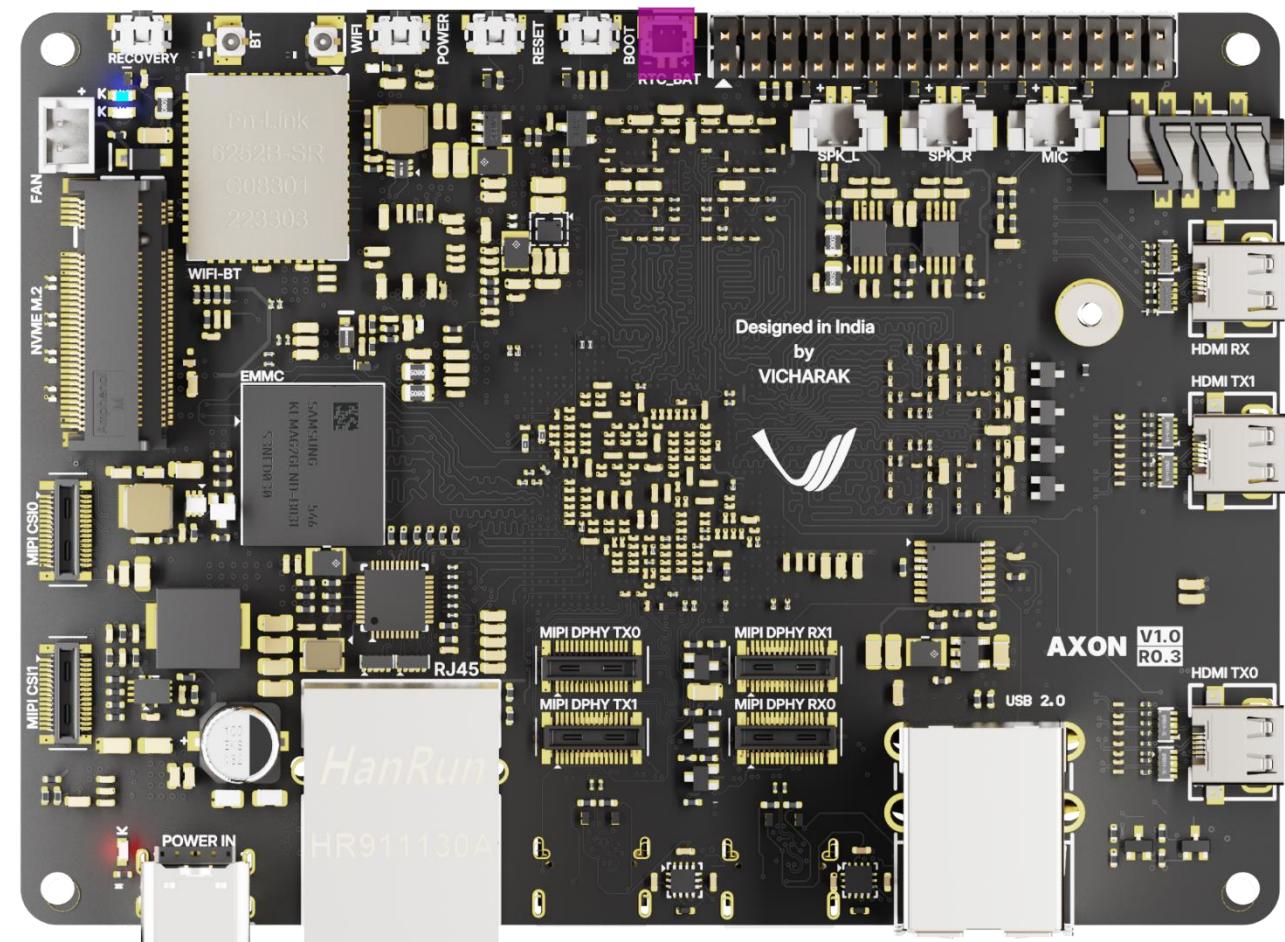
2 Pin

2mm Pitch

Current rating (max): 2A



RTC Battery Connector



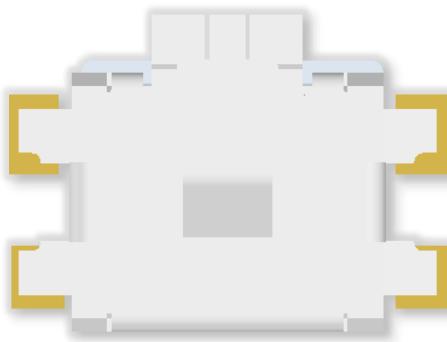
JST Connector

2 Pin

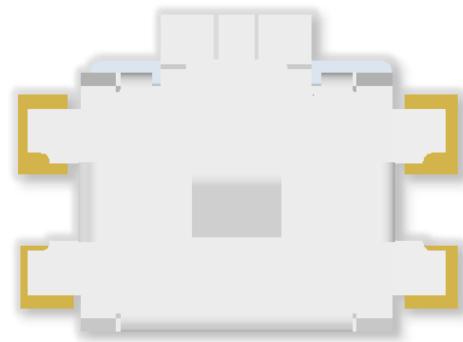
1mm Pitch

Current rating(max): 1A

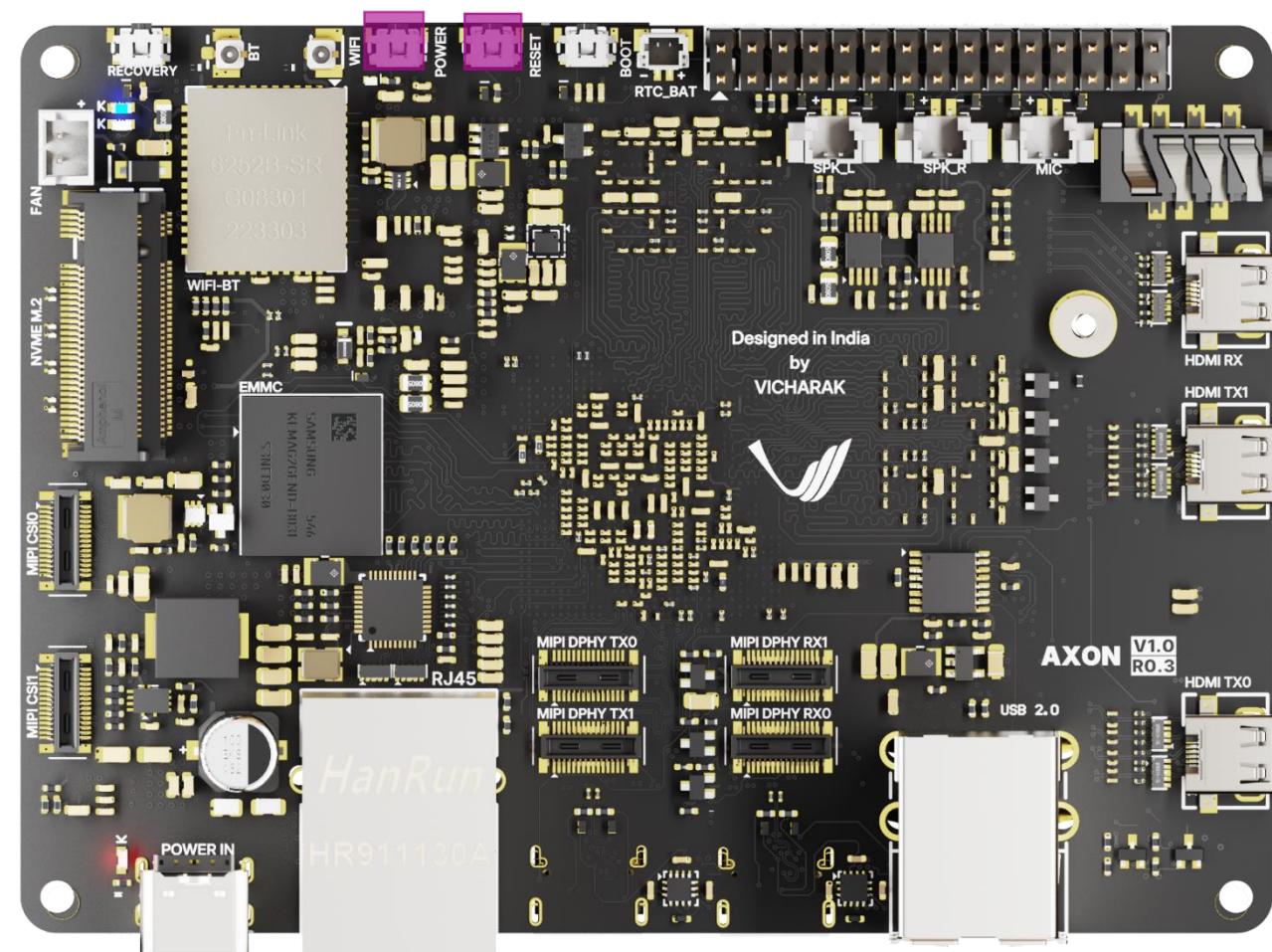
19 Reset & Power Key

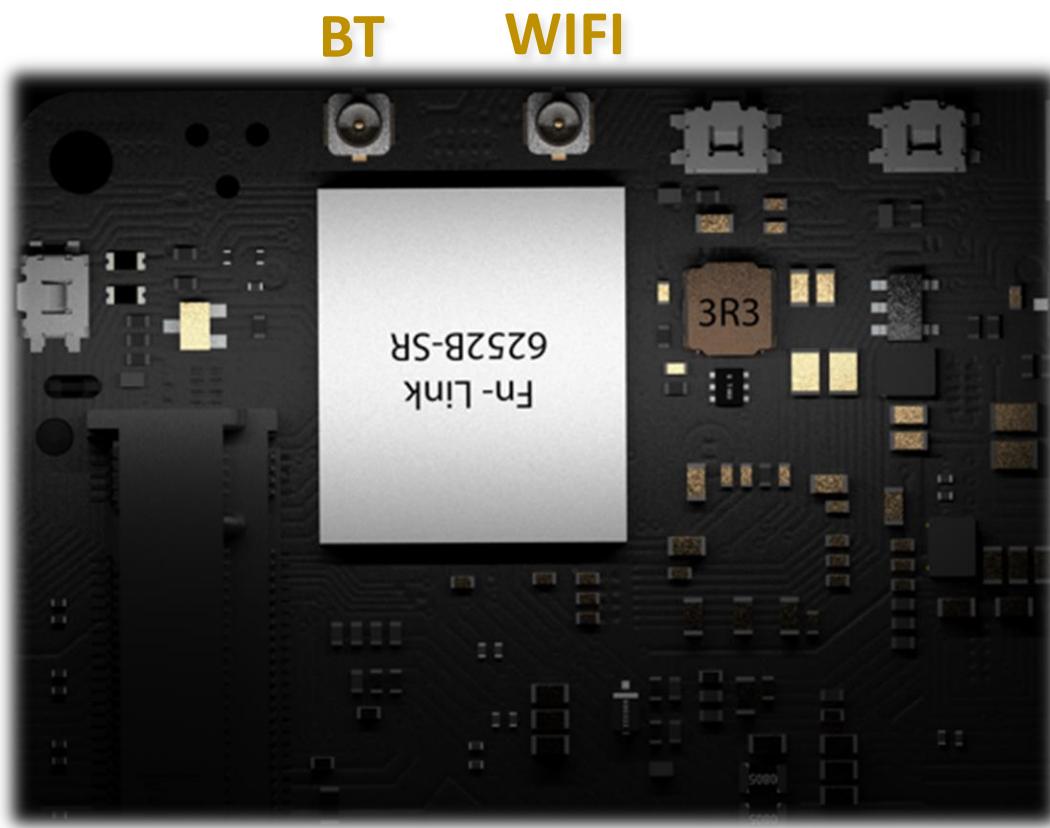


PWR
on/off
Key

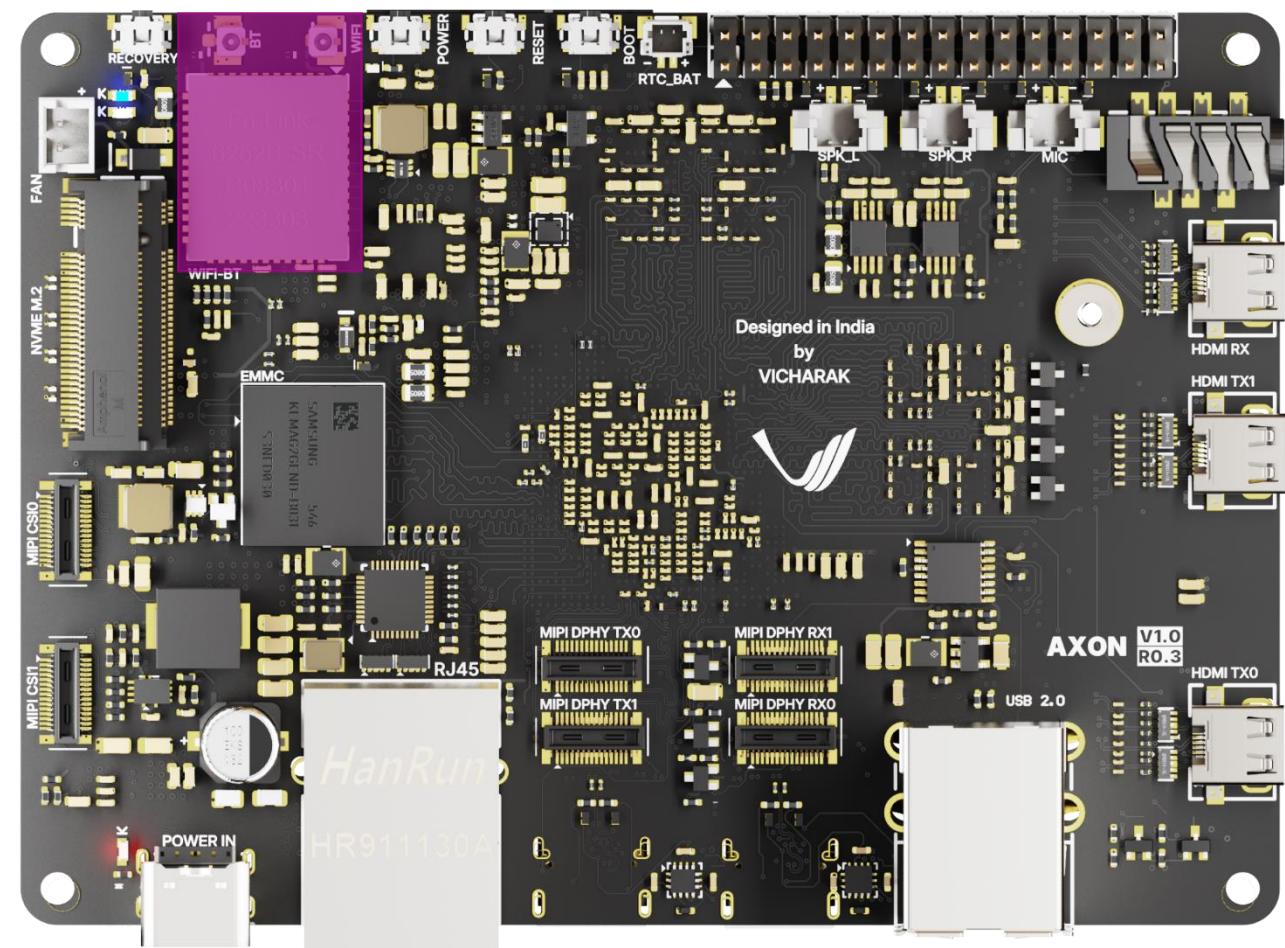


Reset
Key



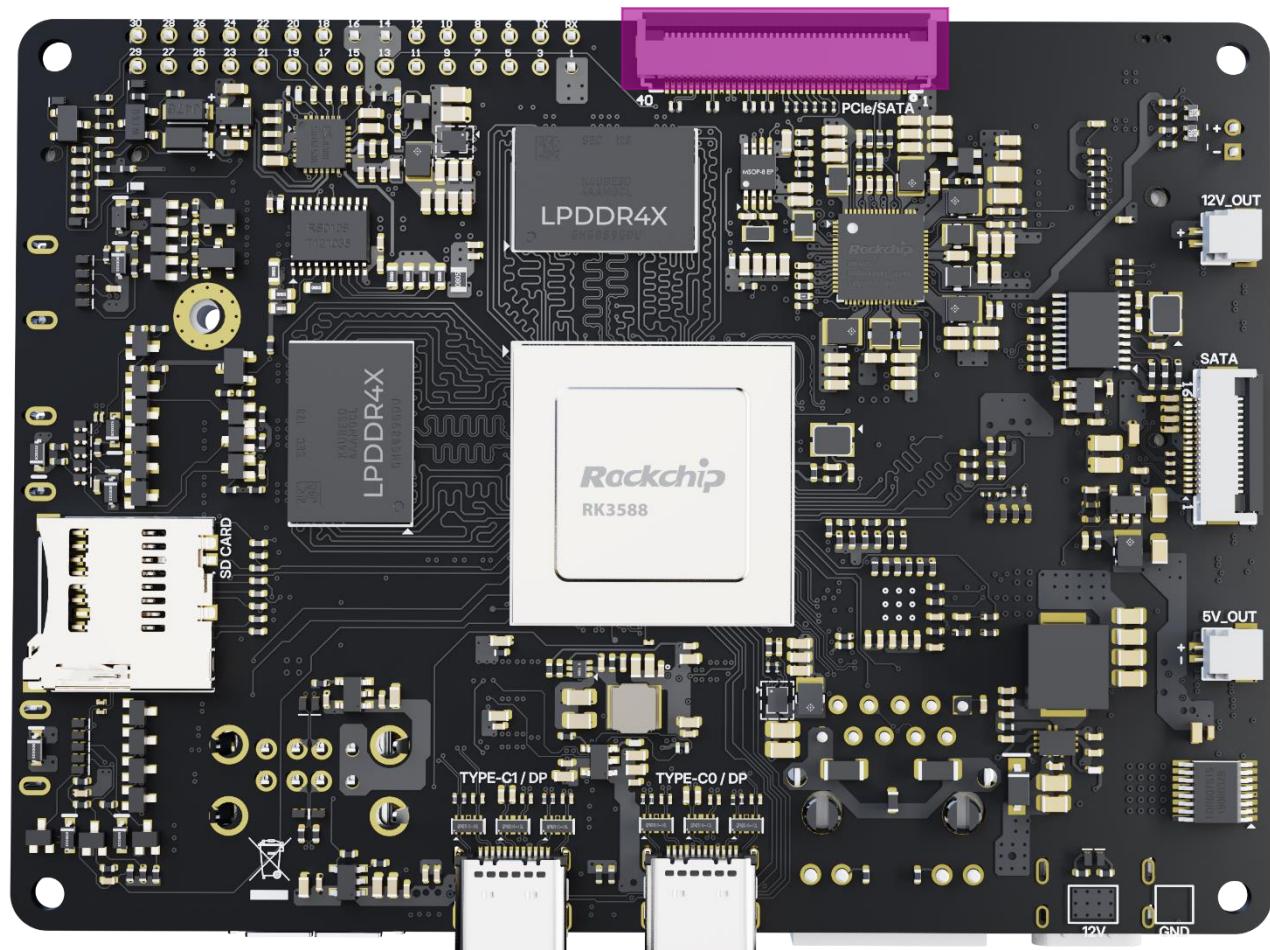


6252B-SR Wifi 6 BT5.2 Module





01	GND
02-07	VCC_3.3V
08-12	GND
13	PCIE_PWREN_H
14	GND
15	PCIEx1_1_CLKREQn_M1_L
16	PCIEx1_1_WAKEn_M1_L
17	PCIEx1_1_PERSTn_M1_L
18	GND
19	PCIEx1_2_CLKREQn_M1_L
20	PCIEx1_2_WAKEn_M1_L
21	PCIEx1_2_PERSTn_M1_L
22	GND
23	PCIE20_1_TX/SATA30_1_TX_P
24	PCIE20_1_TX/SATA30_1_TX_N
25	GND
26	PCIE20_1_RX/SATA30_1_RX_P
27	PCIE20_1_RX/SATA30_1_RX_N
28	GND
29	PCIE20_1_REFCLK_P
30	PCIE20_1_REFCLK_N
31	GND
32	PCIE20_2_RX/SATA30_2_RX_P/USB3.0_RX_P
33	PCIE20_2_RX/SATA30_2_RX_N/USB3.0_RX_N
34	GND
35	PCIE20_2_TX/SATA30_2_TX_P/USB3.0_TX_P
36	PCIE20_2_TX/SATA30_2_TX_N/USB3.0_TX_N
37	GND
38	PCIE20_2_REFCLK_P
39	PCIE20_2_REFCLK_N
40	GND



PCIe2.0/SATA3.0/USB3.0 FPC Connector

FPC Connector

40 Pin

0.5mm Pitch

Current rating (max): 0.5A each pin

MPN : FPC-05F-40PH20

FPC Cable

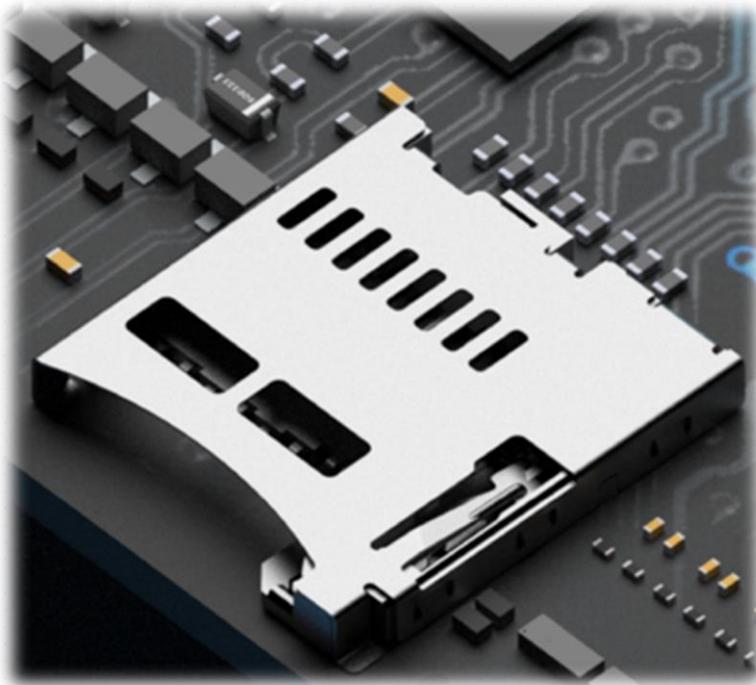
40 Pin

0.5mm Pitch

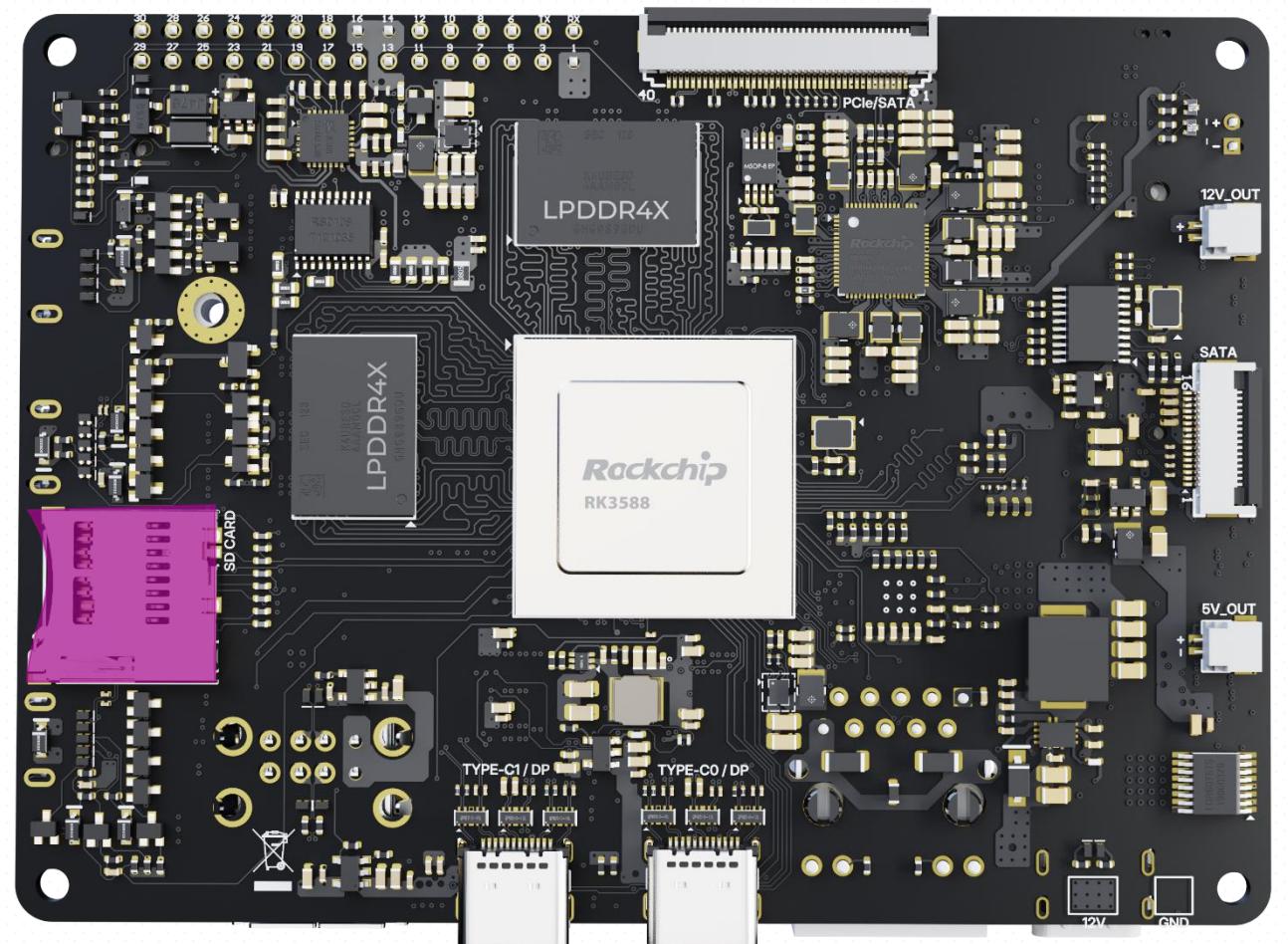
Impedance 85 Ohm

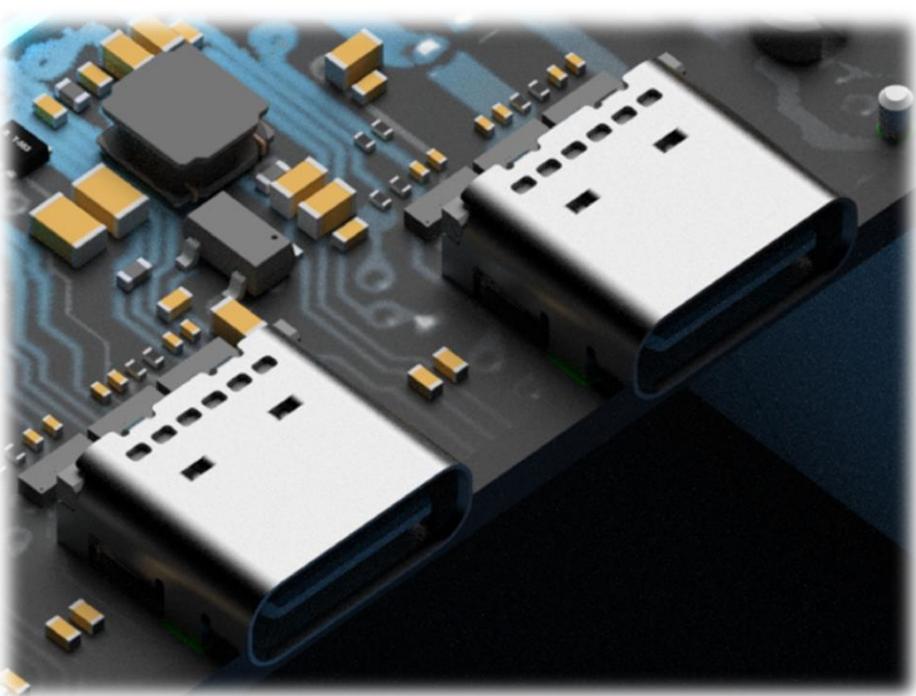
NOTE:- If you want to use USB/SATA, you can take 5V directly from the 5V_OUT connector on the AXON board, or you can use a boost converter on the daughterboard to convert 3.3V to 5V, alternatively, you can supply 5V externally.

NOTE:- If you want to use SATA ,You can take 12V directly from the 12V out connector on the AXON board, or you can use a boost converter on the daughterboard to convert 3.3V to 12V. Alternatively, you can use a Type-C or DC JACK connector on the daughterboard to supply power directly from a power adapter

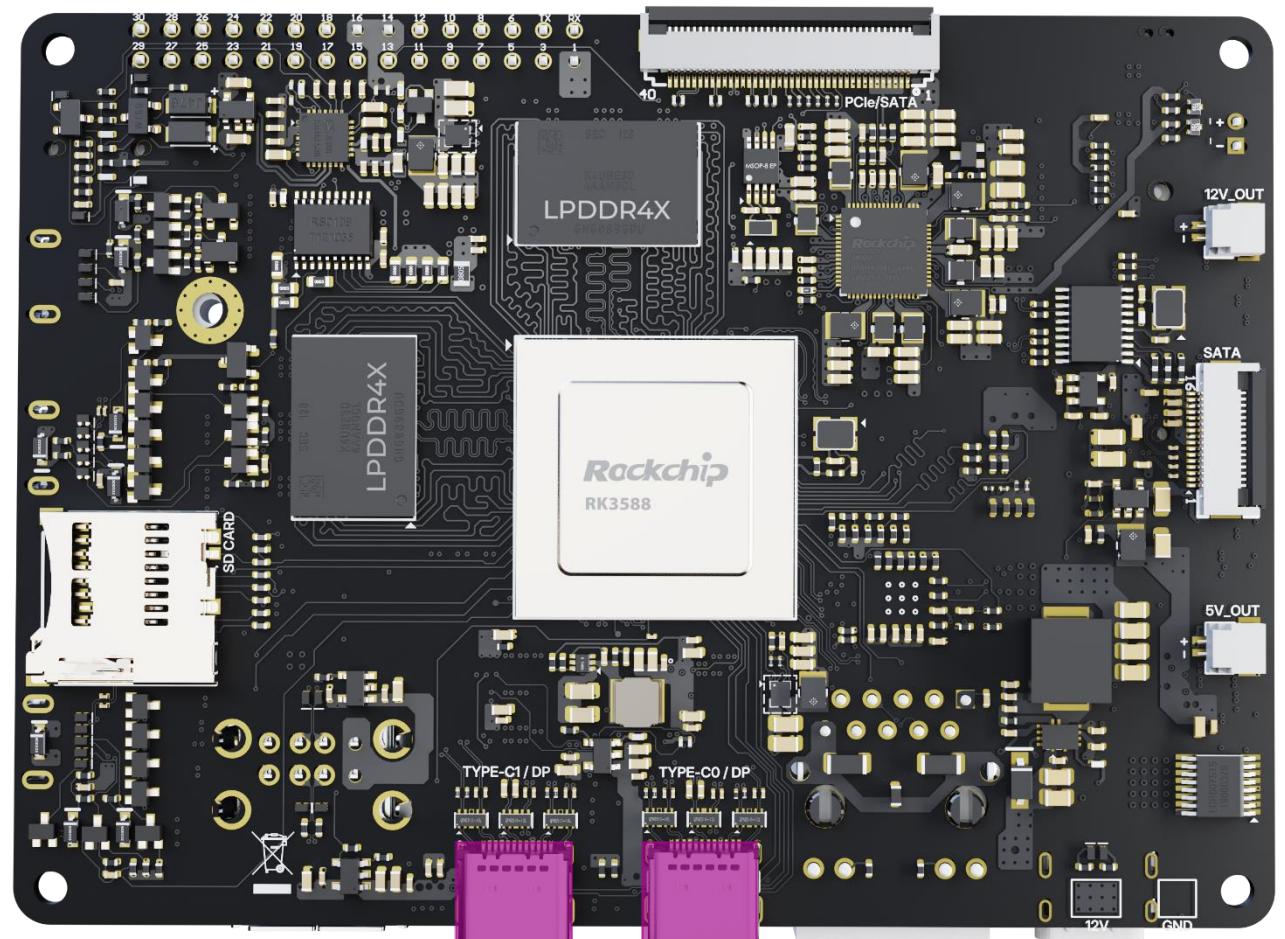


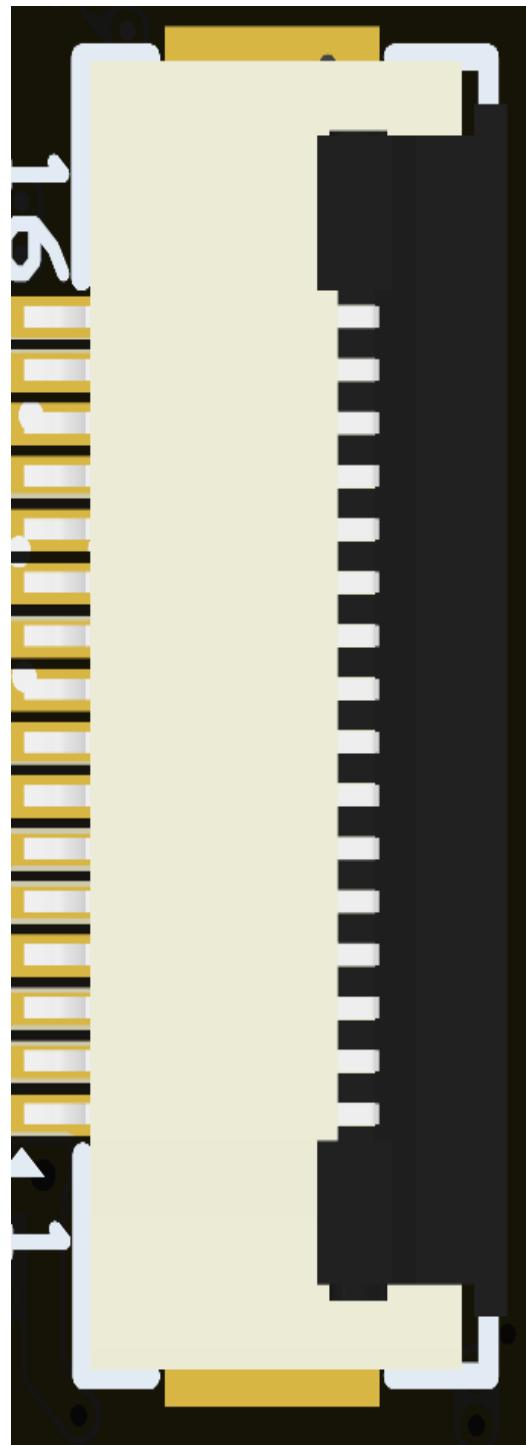
Push-Push Type MicroSD Card Slot





TYPE-C /DP Port





01	GND
02	SATA30_0_TX_P
03	SATA30_0_RX_N
04	GND
05	SATA30_0_RX_N
06	SATA30_0_RX_P
07	GND
08	12V
09	12V
10	12V
11	GND
12	GND
13	5V
14	5V
15	5V
16	GND

SATA 3.0, 16 Pin FPC Connector

FPC Connector

16 Pin

0.5mm Pitch

Current rating (max): 0.5A each pin

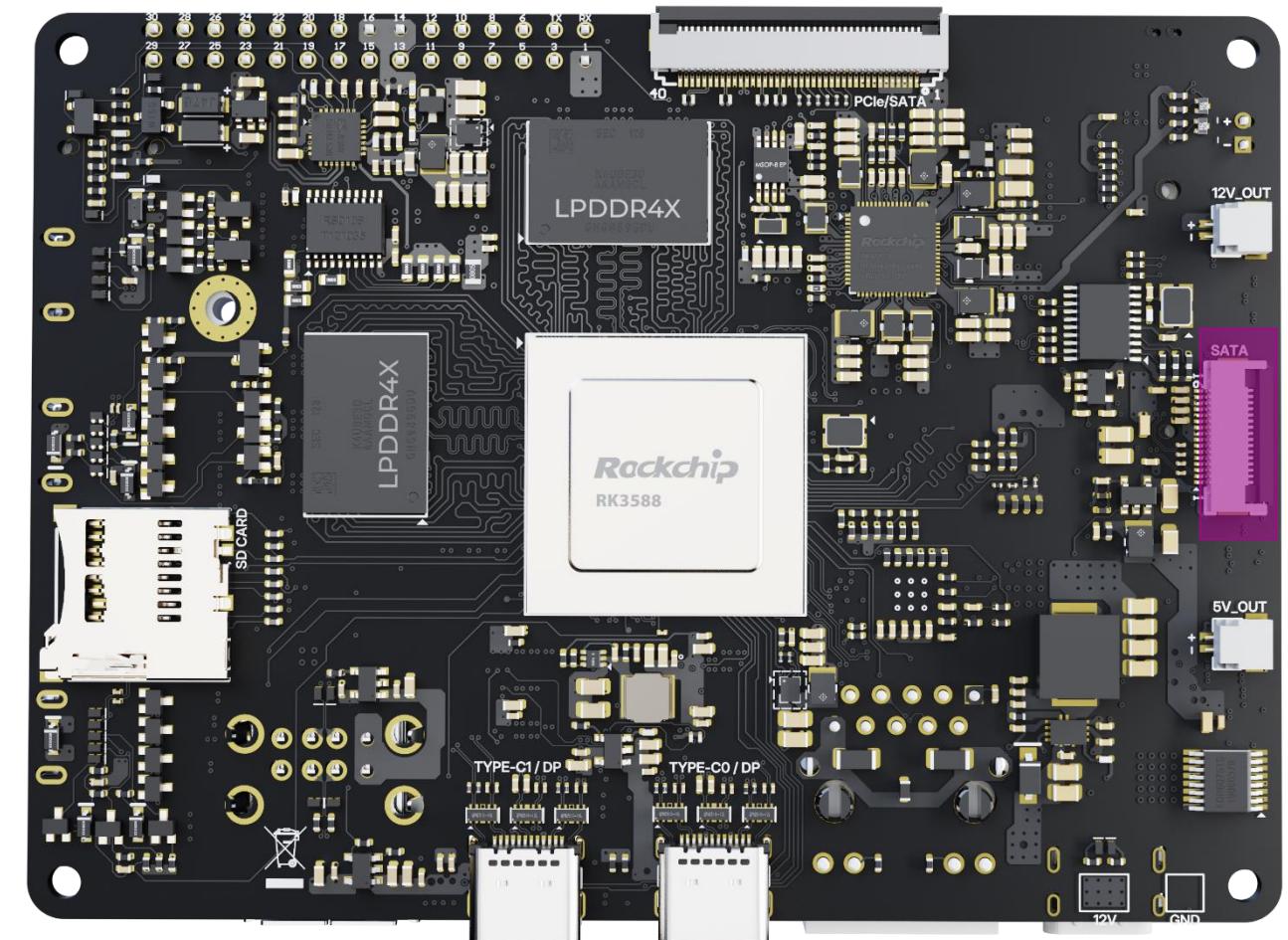
MPN : FPC-05F-16PH20

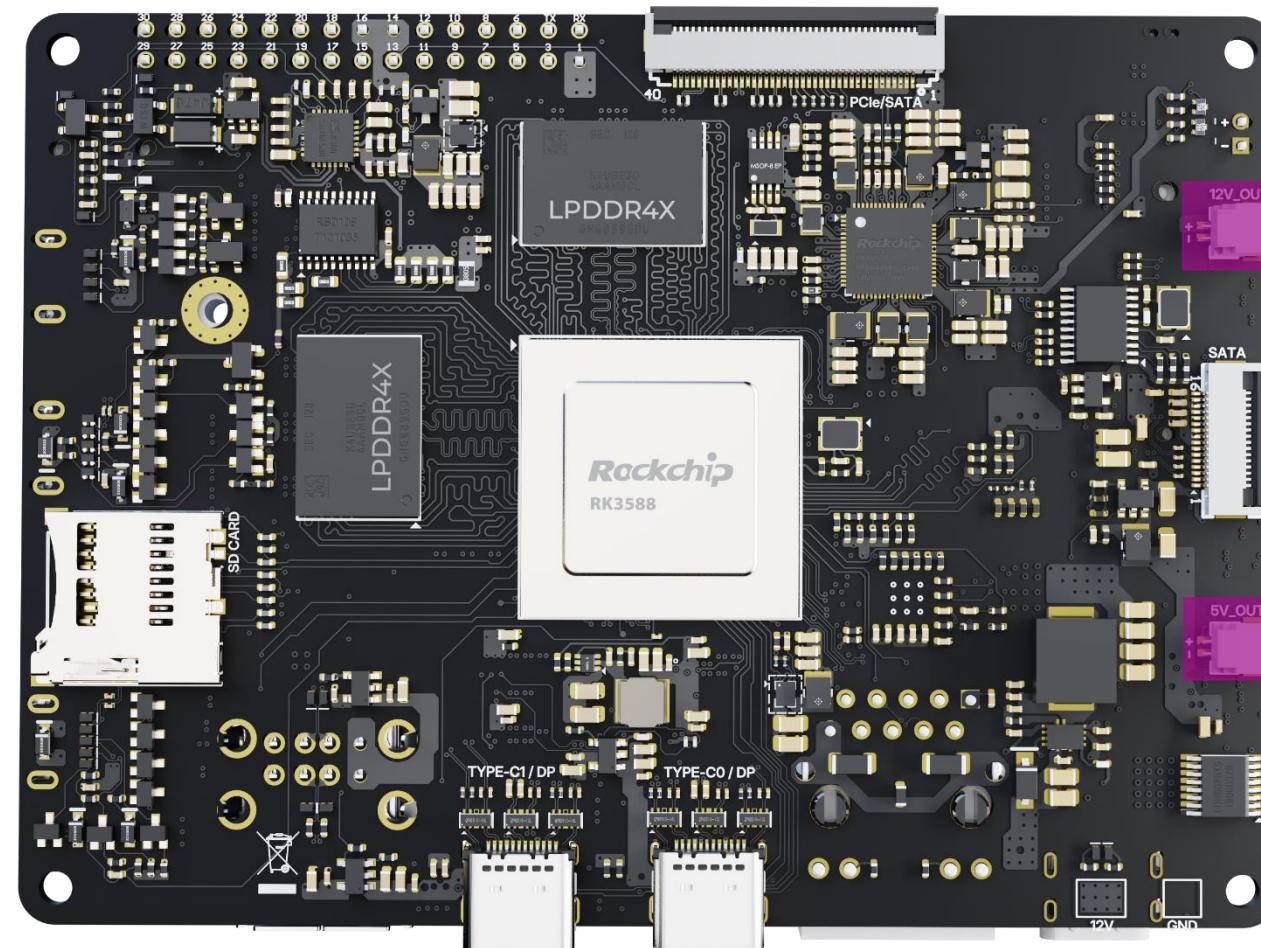
FPC Cable

16 Pin

0.5mm Pitch

Impedance 90 Ohm





12V_OUT & 5V_OUT Connector

JST Connector

2 pin

1mm Pitch

Current Rating (max): 1A