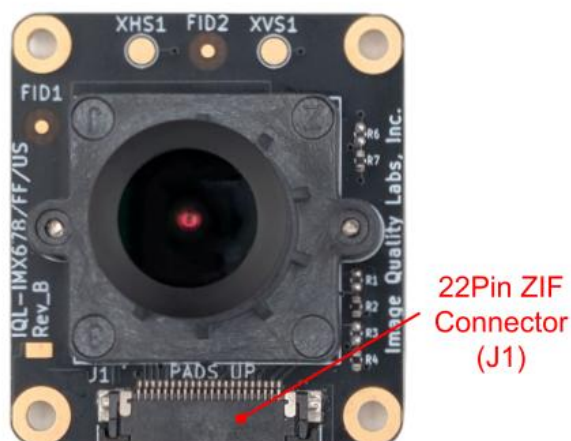




Part Number	Body Size
IQL-IMX678/FF/US	30 mm × 33 mm

1 Description

The [IQL-IMX678/FF/US](#) pairs an IMX678 sensor with a lens to provide a diagonal FOV of 133°, horizontal FOV of 114°, and vertical FOV of 63°, with a focus range from 1m~infinity. The pinout of this board is a proprietary pinout that is not compatible with the Raspberry Pi 22Pin CSI pinout.

2 Compatibility

- MIPI Interface
- 3.3V Power
- I²C

3 Applications

- Research and Development
- Educational Projects
- Prototype Testing
- Robotics and Automation
- Wildlife and Environmental Monitoring
- Time-lapse and Slow Motion Photography
- IoT devices

4 Pin Configurations

4.1 22Pin ZIF Connector Configuration

Header	Pin Number	Name
J1	1	MCLK
	2	OVDD_1v8
	3	AVDD_3V3
	4	DVDD_1V1
	5	SCL
	6	SDA
	7	GNDD
	8	XCLR
	9	D4_N
	10	D4_P
	11	GNDD
	12	D2_N
	13	D2_P
	14	GNDD
	15	CLK_N
	16	CLK_P
	17	GNDD
	18	D1_N
	19	D1_P
	20	GNDD
	21	D3_N
	22	D3_P

4.2 I²C Configuration

Leader-Follower Mode Settings	
Sensor Follower Address	0x34
Pin Name	Pin Processing
SLAMODE0	Fixed to Low
SLAMODE1	Fixed to Low



5 Electrical Characteristics

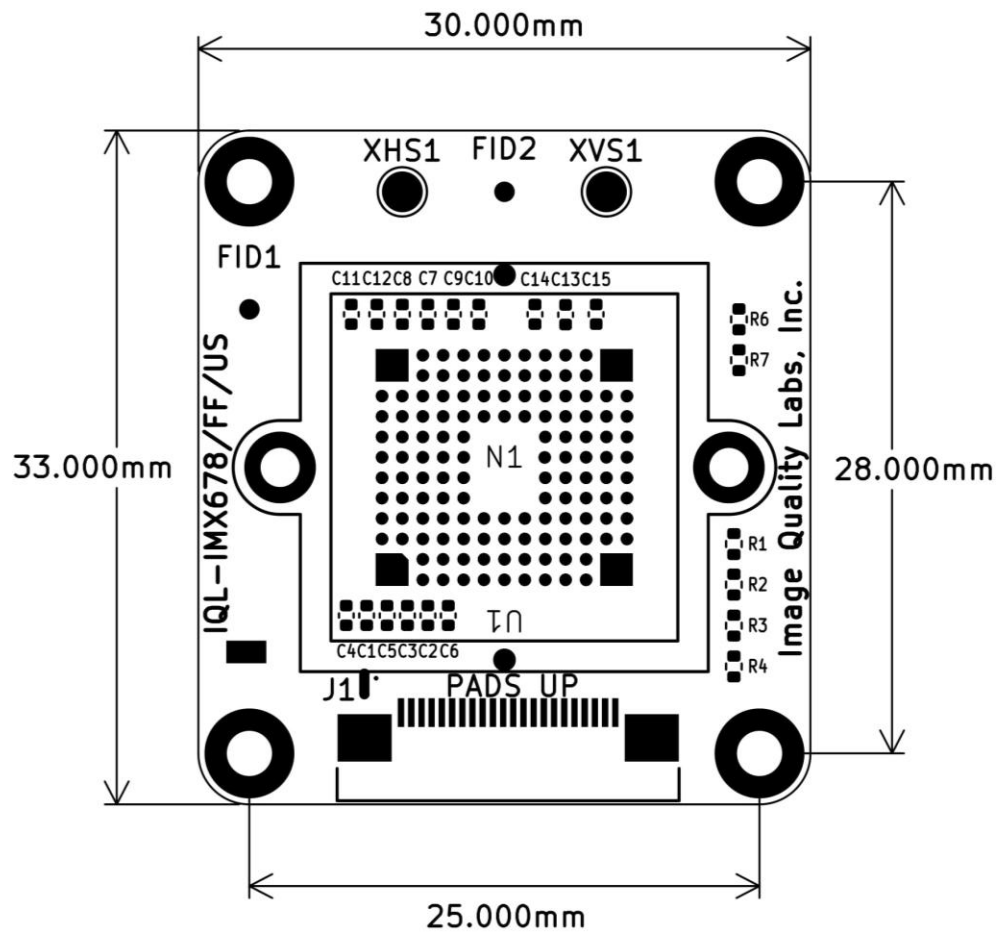
5.1 Absolute Maximums

Net	Minimum	Maximum	Unit
AV _{DD}	0	3.65	V
OV _{DD}	0	3.65	V
DV _{DD}	0	2.20	V

5.2 Recommended Operating Conditions

Net	Minimum	Typical	Maximum	Unit
AV _{DD}	3.20	3.30	3.40	V
OV _{DD}	1.70	1.80	1.90	V
DV _{DD}	1.00	1.10	1.20	V

6 Mechanical Information



7 Adapter Board Connection (Type B FFC)

