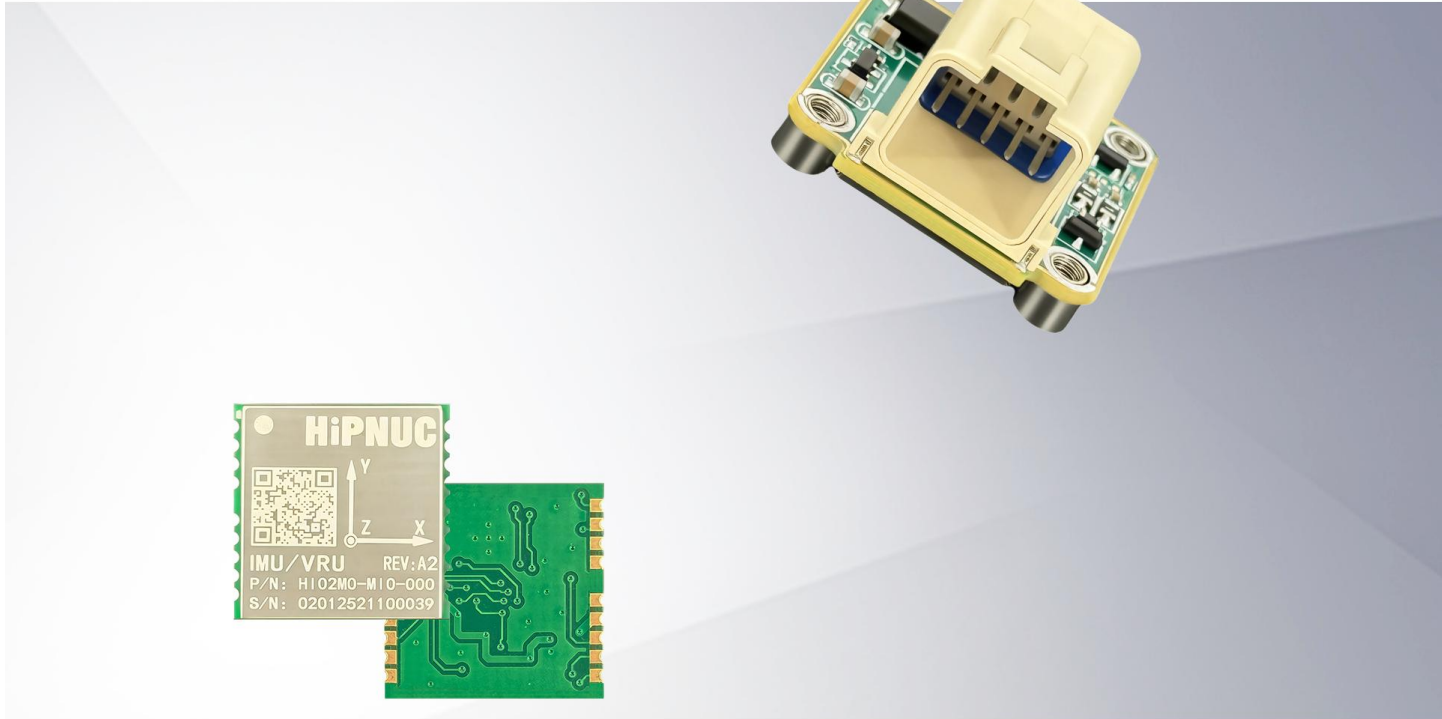




Document Information

Version	Date	Section	Changes
1.0	May 29, 2025	-	Initial

1 Overview

EVAL HI02XX-232is a simplified evaluation board designed for quickly evlauate HI02 series attitude sensors。 EVAL HI02 features one 10-pin connector for communication with the host via a matched OPEN harness, and must be rigidly mounted on the user's equipment.

2 Model Information

2.1 Model Information

Table 1: Model Information

Part Number	Name	Description	Note
EVAL HI02M0-232-110	HI02M0-232 Evaluation Board		

2.2 Contact Information

- 1. Email: sales@hipnuc.com
- 2. Phone Number:+86 010-69726346
- 3. web: www.hipnuc.com

3 Related Documentation

- 1. *HI02 Data Sheet*
- 2. *Command&Programming Manual*
- 3. *3D Step Files*
- 4. *GUI and Example Drivers*

4 Specifications

4.1 Operrating

Table 2: Absolute Maximum Ratings

Parameters	Limit	Comment
Mechanical	2000g	Duration <1ms
Srorage Temperature	-40°C-85°C	
ESD HBM	15KV	JEDEC/ESDA JS-001
Input Voltage	5-28V	
IO To GND	-0.3-3.3V	

4.2 Mechanical & Pin Definitions

All Dimensions in mm units.

4.2.1 Dimensions

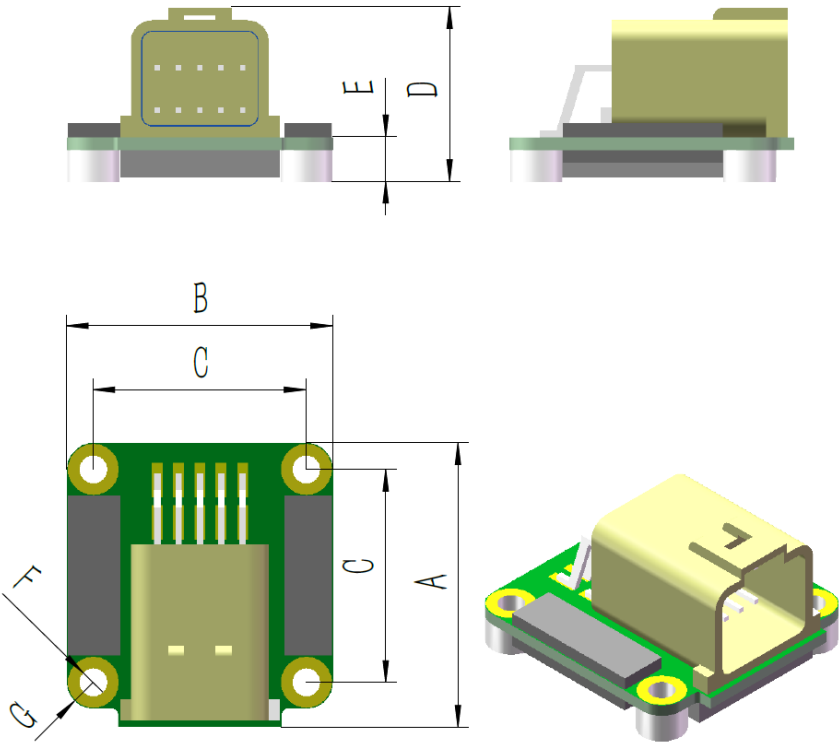


Figure1: HI02XX-232 mechanical dimension

Symbol	Min(mm)	Typ(mm)	Max(mm)
A	26.4	26.7	27
B	24.7	25	25.3
C	19.9	20	20.1
D	16.7	16.9	17.2
E	4	4.2	4.4
F	Φ2.5	Φ2.6	Φ2.7
G	R2.3	R2.5	R2.7

EVAL HI02XX-232

HI02 Series Evaluation Board

REV:1.0

4.2.2 EVAL HI02 Pin Definitions

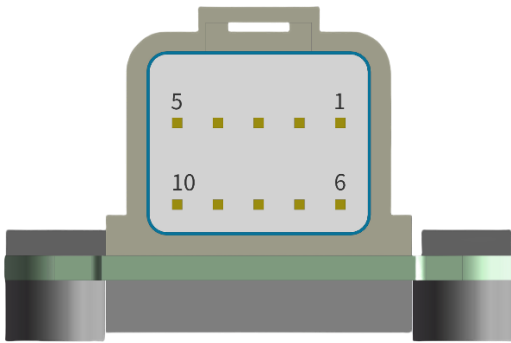


Table 3: EVAL HI02 Pin Functional

Pin Number	Pin Name	Type	Functional	Note
1	RS232_RX1	I	Module COM1 receives RS-232 level signals.	
2	RS232_RX2	I	Reserve	
3	GND	Power	Signal gnd	1
4	IO2(SYNC_OUT)	I/O	Synchronous output, can be used as Data Ready signal	
5	GND	Power	Power gnd	1
6	RS232_TX1	O	Module COM1 transmit RS-232 level signals.	
7	RS232_TX2	O	Reserve	
8	GND	Power	Signal gnd	1
9	IO1(SYNC_IN)	I/O	Synchronous input	
10	VCC	Power	Power input 5-30V	

5 Cables

5.1 Open Cables



Figure2: Open cables