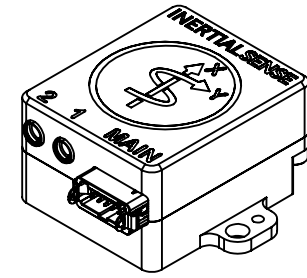
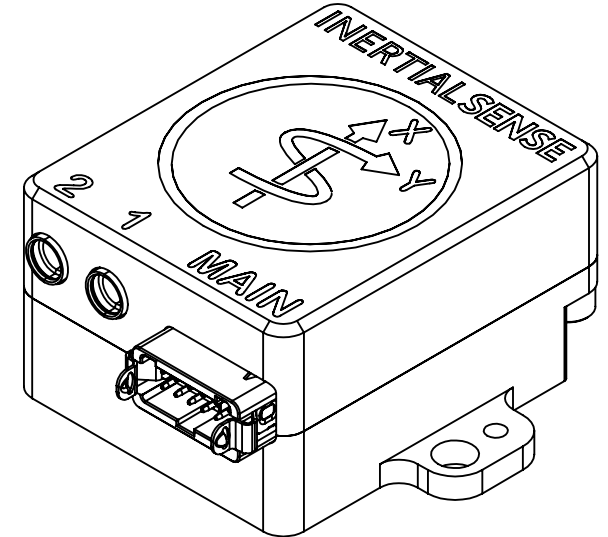


2X  $\varnothing$ .063 FOR 1/16" PIN  
 2X  $\varnothing$ .125



ACTUAL SIZE



SCALE 2 : 1

**PROPRIETARY AND CONFIDENTIAL**

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 3000 Sierra Vista Way Suite 2  
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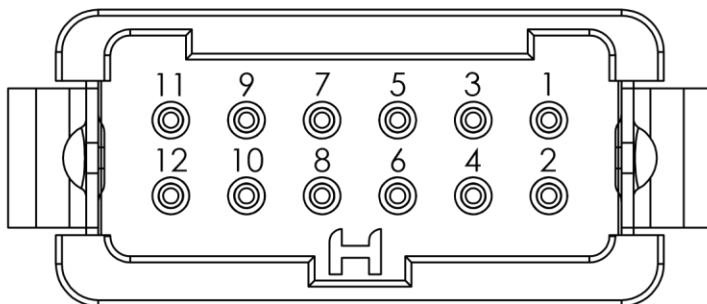


TITLE:  
**Ruggedized uINS Assembly V2**

SIZE	DWG. NO.	REV
<b>A</b>	<b>IS-RUG-2.0</b>	<b>A</b>
SCALE: 3:2		SHEET 1 OF 1

DIMENSIONS IN INCHES

**“MAIN” Connector Pinout**  
(on Rugged side, not cable side)


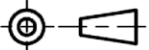


Pin	Name	Direction	Description
1	GND	PWR	Common ground
2	G2/STROBE	I/O	Strobe time sync input. (Includes 390 ohm series resistor)
3	VIN	PWR	4V – 20V system supply input.
4	USB.D+	I/O	USB data positive line (Serial 0)
5	GPS PPS	O	GPS time synchronization output pulse (1Hz, 10% duty cycle)
6	USB.D-	I/O	USB data negative line (Serial 0)
7	G3/Tx0/485Tx2-	I/O	Serial 0 output (TTL or RS232) Serial 2 output- (RS485)
8	G2/Tx2/485Tx2+	I/O	Serial 2 output (TTL or RS232) Serial 2 output+ (RS485/RS422)
9	G4/Rx0/485Rx2-	I/O	Serial 0 input (TTL or RS232) Serial 2 input- (RS485/RS422)
10	G1/Rx2/485Rx2+	I/O	Serial 2 input (TTL or RS232) Serial 2 input+ (RS485/RS422)
11	G1/CANL <sup>1</sup> /Rx2 <sup>1</sup>	I/O	High level (CAN bus) <sup>1</sup> . Serial 2 input (TTL).
12	G2/CANH <sup>1</sup> /Tx2 <sup>1</sup> /STROBE	I/O	Low level (CAN bus) <sup>1</sup> . Serial 2 output (TTL). Strobe time sync input.

<sup>1</sup> Only available with uINS-3.2 and later.

**PROPRIETARY AND COMPETITION SENSITIVE**

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UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± 1/8 DECIMAL .XX ± 0.01 .XXX ± 0.005 ANGLES ± 1° DO NOT SCALE DRAWING	DRAWN	LM	4/20/2018	Inertial Sense 72 N 720 E Salem, UT 84653 
	CHECKED	X	X	
	ENG APPR.	X	X	
	MFG APPR.	X	X	
MATERIAL	X			TITLE: <h2 align="center">Ruggedized uINS Pinout</h2>
THIRD ANGLE PROJECTION				
SIZE <b>A</b> DWG. NO. <b>IS-RUG-2.0</b> REV <b>A</b>				SCALE: 8:1 SHEET 1 OF 1
COMMENTS:				