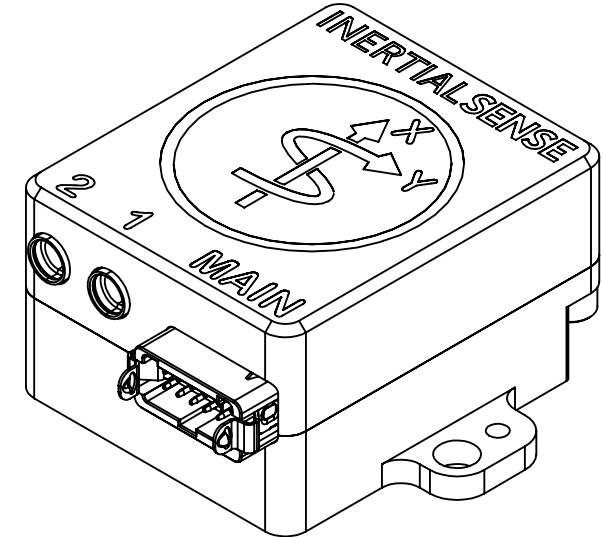


ACTUAL SIZE




SCALE 2 : 1

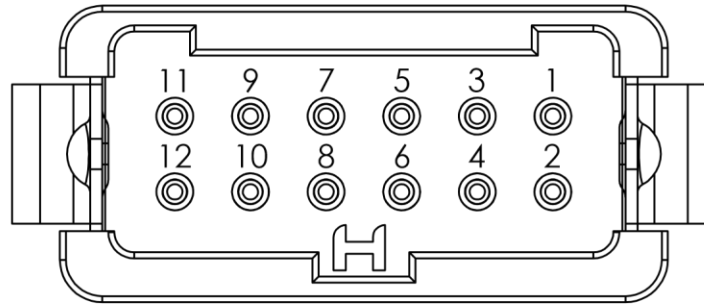
PROPRIETARY AND CONFIDENTIAL

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DIMENSIONS IN INCHES

INERTIAL SENSE 3000 Sierra Vista Way Suite 2 Provo, UT 84606		 INERTIAL SENSE micro navigation systems	
TITLE: Ruggedized uINS Assembly V2			
SIZE A	DWG. NO. IS-RUG-2.0		REV A
SCALE: 3:2		SHEET 1 OF 1	

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


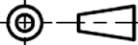


Pin	Name	Direction	Description
1	GND	PWR	Common ground
2	G2/STROBE	I/O	Strobe time sync input. (Includes 390 ohm series resistor)
3	VIN	PWR	4V – 20V system supply input.
4	USB.D+	I/O	USB data positive line (Serial 0)
5	GPS PPS	O	GPS time synchronization output pulse (1Hz, 10% duty cycle)
6	USB.D-	I/O	USB data negative line (Serial 0)
7	G3/Tx0/R85Tx1-	I/O	Serial 0 output (TTL or RS232) Serial 1 output- (RS485)
8	G7/Tx1/485Tx1+	I/O	Serial 1 output (TTL or RS232) Serial 1 output+ (RS485/RS422)
9	G4/Rx0/485Rx1-	I/O	Serial 0 input (TTL or RS232) Serial 1 input- (RS485/RS422)
10	G6/Rx1/485Rx1+	I/O	Serial 1 input (TTL or RS232) Serial 1 input+ (RS485/RS422)
11	G1/CANL ¹ /Rx2 ¹	I/O	High level (CAN bus) ¹ . Serial 2 input (TTL).
12	G2/CANH ¹ /Tx2 ¹ /STROBE	I/O	Low level (CAN bus) ¹ . Serial 2 output (TTL). Strobe time sync input.

¹ Only available with uINS-3.2 and later.

PROPRIETARY AND COMPETITION SENSITIVE

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UNLESS OTHERWISE SPECIFIED:		NAME		DATE		Inertial Sense 72 N 720 E Salem, UT 84653		 INERTIAL SENSE™ micro navigation systems					
DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL $\pm 1/8$ DECIMAL .XX ± 0.01 .XXX ± 0.005 ANGLES $\pm 1^\circ$ DO NOT SCALE DRAWING		DRAWN		LM		4/20/2018		TITLE: Ruggedized uINS Pinout					
		CHECKED		X		X							
		ENG APPR.		X		X							
		MFG APPR.		X		X							
MATERIAL X		COMMENTS:						SIZE A		DWG. NO. IS-RUG-2.0		REV A	
THIRD ANGLE PROJECTION 													
SCALE: 8:1												SHEET 1 OF 1	