⌀0.125 FOR 4-40 SCREW

⌀0.063 FOR 1/16" PIN
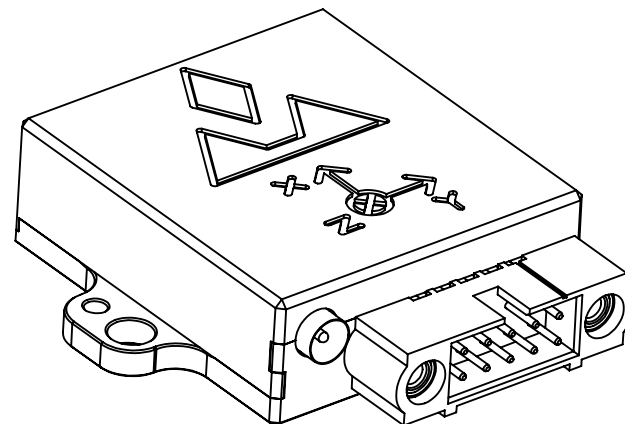
HARWIN 10-PIN CONNECTOR
PN: M80-5001042
(MATING CONNECTOR
PN: M80-4861005)

MMCX GPS ANTENNA
CONNECTOR

1.214
0.987
0.497
1.014
1.414

0.374
0.247
0.079
0.142
0.251

0.481
0.150

0.055
1.113
0.222
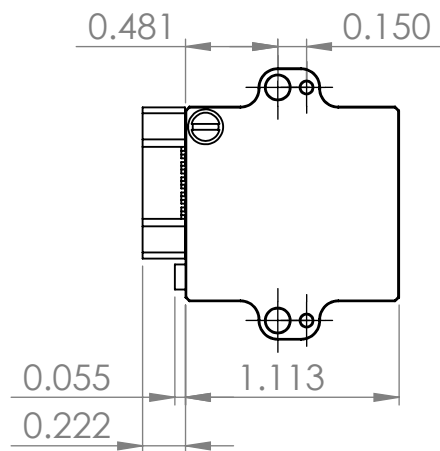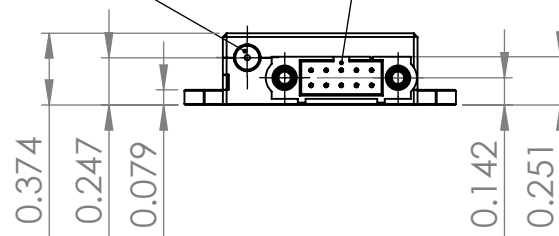
NOTE: FIGURE ENLARGED TO 2:1 SCALE

	NAME	DATE	VECTORNAV TECHNOLOGIES, LLC
DRAWN	DAVIS	6/3/12	
CHECKED			TITLE:
ENG APPR.			
MFG APPR.			VN-200 RUGGED
Q.A.			

UNLESS OTHERWISE SPECIFIED:
 DIMENSIONS ARE IN INCHES
 TOLERANCES ARE:
  .XX   0.01
  .XXX   0.005

SIZE	DWG. NO.	REV
A		1

SCALE: 1:1   SHEET 1 OF 1

5   4   3   2   1

VN-200 Rugged Pin Numbering

(looking at mating side of male connector)
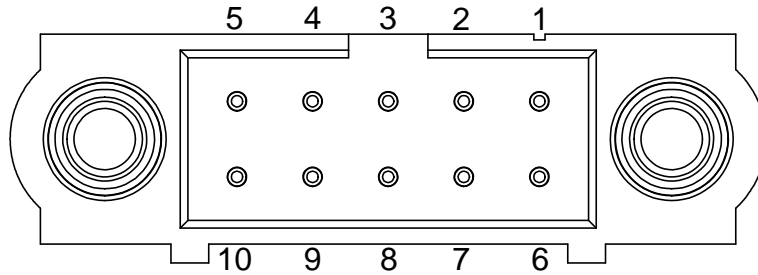
VN-200 Rugged Pin Description

Pin	Name	Description
1	PWR	Power input at +5.0 V ($\pm$0.5 V)
2	TX_RS232	Serial data out of the device at **RS-232 voltage levels**
3	RX_RS232	Serial data into the device at **RS-232 voltage levels**
4	SYNC_OUT	Output signal for synchronizing with an external system
5	GND	Ground
6	TARE/RESTORE	Pulse high to tare sensor. Hold high at power on to restore factory settings (5V tolerant)
7	SYNC_IN	Input signal for synchronizing with an external system
8	TX_TTL	Serial data out of the device at **TTL (+3.3V) voltage levels**
9	RX_TTL	Serial data into the device at **TTL (+3.3V) voltage levels**
10	NC	No connect