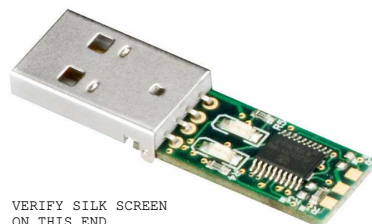
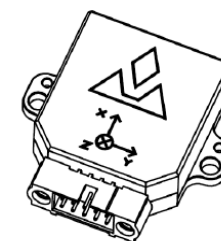


FTDI USB-RS232-PCBA



VERIFY SILK SCREEN
ON THIS END
DIFFERS BY REV

VectorNAV VN100



BELDEN 9534
MULTI CONDUCTOR
#24/4C CABLE



USB-A

1 USB-1
2 USB-2
3 USB-3
4 USB-4

50-00466

VCC
DATA-
DATA+
GND

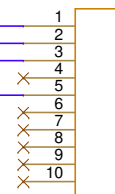
USB-RS232-PCBA

POWER
GND
RXD
TXD
CTS
RTS

SMD-1
SMD-2
SMD-3
SMD-4
SMD-5
SMD-6

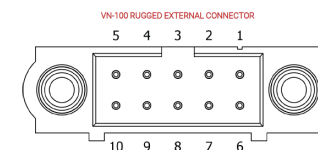
RED
BLK
WHT
GRN

DRAIN



M80-4861005

PIN	SIGNAL
1	VCC 4.5-5.5
2	TX1_RS232
3	RX1_RS232
4	SYNC_OUT
5	GND
6	TARE/RESTORE
7	SYNC_IN
8	TX2_TTL
9	RX2_TTL
10	RESERVED



DEVICE CONNECTOR FACE VIEW

NOTES

1. Assembly should be 15" length over all.
2. Surround exposed PCB with clear heat shrink.
3. On USB-RS232-PCBA, fit R3 onto PCB to enable 5V output. Limited to 75mA



Schematic Name: USB to RS232 VN100 Harness			
Page Title: Wire & PCB Harness Detail			Engineer: E. Martin
Project Name: Scalable Robotics	Group Name: CoMPAS	Designer: E. Martin	
System: MiniROV Mapping Sled	Subsystem: Interface Housing	Last Updated By: emartin	
Drawing Number: 100221983	Release: B	Version: 6	Status: Active
Page Modify Date: Monday, June 08, 2025	Check In Date: 5/29/2025 10:03:06 AM	Sheet 1 of 4	
Size: A			