NEW PRODUCT	A National Instruments Company	Release Year 2016	Released Quarter	
Digilent Part Number         Catego           410-326         Catego		Tategory	Pmods	
ERVIEW				
<b>duct Name:</b> Pmod NAV: 9-	axis inertial measurement unit	(IMU) Plus Barometer	r	
<i>duct Subtitle:</i> Add Pmod N	AV to your hardware platforms	and systems to enha	nce the navigation capability	
netometer, plus the STMicro Pmod NAV provides a variety re it is headed. With 16-bit fu	electronics LPS25HB digital barom of orientation related data, allow Ill scale registers for acceleration,	eter to provide users wi ing users to easily deter rotation, and orientatio	is accelerometer, 3-axis gyroscope, 3-axis ith 10 degrees-of-freedom (DoF) functiona rmine the exact position the module is in a in, and 24 bits of resolution for pressure da air balloon is located, or which direction	
Search Terms: Inertial Senso icroelectronics LPS25HB, 9-axis I	MU, Barometer		Video Link: N/A	
asheet: https://reference	.digilentinc.com/reference/pm	od/pmodnav/reference	<u>ce-manual</u>	
<ul> <li>ttps://reference.digilentinc.com/_media/reference/pmod/pmodna</li> <li>ccelerometer &amp; Gyroscope Complementary Filter Example (Microp ttps://github.com/Digilent/vivado-library/tree/master/ip/Pmods/F</li> <li>STMicroelectronics LSM9DS1 iNEMO inertial module</li> <li>STMicroelectronics LPS25HB MEMS pressure sensor: 260-1260 hPa absolute digital output barometer</li> <li>±2/±4/±8/±16 g linear acceleration full scale</li> <li>±245/±500/±2000 dps angular rate full scale</li> <li>±4/±8/±12/±16 gauss magnetic full scale</li> <li>260-1260 hPa piezoresistive pressure sensor</li> <li>Embedded temperature sensors for compensation</li> <li>12-pin Pmod connector with SPI interface</li> <li>Follows Digilent Interface Specification Type 2A</li> <li>Library and example code available</li> </ul>		nods/PmodNAV_v1_ Product Imag 1260 Image Links: • <u>h</u>	-	
reget Applications     Robotics		Related Proa All D	<b>lucts</b> igilent FPGA boards	

Dimension*	3x0.2x4 inches	Weight*	0.02 lbs		
Product Type	⊠Digilent □Resell				
Packaging	ESD Bag				
Export	EAR99	HTS Code	8473.30.11.80		
Kit Contents	USB Cable Voucher Power Supply Other: <example></example>				
Certifications	⊠CE ⊠RoHs	⊠Reach □Ot	her:		

\*Dimension & Weight include packaging

Document vA.2