chanhvinh.com

Digilent Pmod Modules available from RS Components

RS ID	MPN	Module	Description
134-6450	410-163	**Pmod 8LD** Eight High-Brightness LEDs	The Pmod 8LD features eight high-brightness LEDs driven by logic level transistors so that each LED can be individually illuminated from a logic high signal.
134-6459	410-255	**Pmod ACL2** 3-axis MEMS Accelerometer	The Pmod ACL2 is a 3-axis MEMS accelerometer module featuring the Analog Devices ADXL362 device.
134-6443	410-064	**Pmod AD1** Dual 1Msps 12-bit ADC + filters	The Pmod AD1 is a two-channel, 12-bit ADC module featuring the Analog Devices AD7476A device.
134-6463	410-286	**Pmod ALS** Ambient Light Sensor	The Pmod ALS is a single ambient light sensor module based on the Texas Instruments ADC081S021 ADC and Vishay Semiconductor's TEMT6000X01 sensor device.
134-6461	410-270	**Pmod AMP3** 2W Stereo Power Amplifier	The Pmod AMP3 module features the Analog Devices SSM2518 digital-input 2W Class-D stereo audio power amplifier device.
134-6449	410-136	**Pmod BB** Wire-Wrap/Breadboard	The Pmod BB is a prototyping board with a 266 point grid of solder pads for custom development. A solderless breadboard is also provided which can be stuck on the board instead.
136-8063	410-214	**Pmod BT2** Bluetooth 2.1 Wireless Module	The Pmod BT2 provides Bluetooth 2.1 wireless communication through an RN-42 radio transceiver module.
136-8059	410-077	**Pmod BTN** Four De-bounced Pushbuttons	The Pmod BTN module provides four momentary-action, fully de-bounced pushbuttons.
134-6437	240-021-2	**Pmod Cable Kit**, 12-pin	These extension cables let you locate a Pmod 150mm away from its host board, or use a 12-pin Pmod on a system board with only two 6-pin Pmod headers available.
134-6446	410-082	**Pmod CON3** Quad R/C Servomotor connector	The Pmod CON3 provides a standard 3-pin connector for up to four hobby servo motors.
134-6448	410-113	**Pmod DA2** Dual 12-bit DAC	The Pmod DA2 is a dual 12-bit DAC module featuring the Texas Instruments DAC121S101 device.
134-6456	410-241	**Pmod DA3** 16-bit DAC	The Pmod DA3 is a 16-bit DAC module featuring the Analog Devices AD5541A device.
134-6485	410-333	**Pmod DPG1** Differential Pressure Gauge	The Pmod DPG1 is a differential pressure gauge module featuring an NXP MP3V5010DP piezoresistive transducer and a Texas Instruments ADCS7476 12-bit ADC.
134-6455	410-237	**Pmod GPS** GPS Receiver	The Pmod GPS utilizes the MediaTeK GPS MT3329 device on a GlobalTop FGPMMOPA6H GPS antenna module to receive positional data from GPS satellites.
134-6454	410-215	**Pmod GYRO** 3-axis MEMS Gyroscope	The Pmod GYRO (Rev A) utilizes an L3G4200D gyroscope device to provide motion sensing data on each of the three Cartesian axes.
134-6445	410-069	**Pmod HB3** 2A H-bridge Driver + F/B	The Pmod HB3 features a full H-Bridge driver circuit for driving a brushed DC motor from the system board. Two external pins are provided for optional sensor feedback from the motor.
134-6447	410-106	**Pmod HB5** 2A H-bridge Driver + F/B	The Pmod HB5 features a full H-Bridge driver circuit for driving a brushed DC motor from the system board. Functionally identical to the Pmod HB3, it differs in that the motor connection is a 6-pin JST socket compatible with Digilent motor/gearboxes.
136-8072	410-347	**Pmod HYGRO** Humidity/Temperature Sensor	The Pmod HYGRO is a relative humidity sensor with integrated temperature sensor for highly accurate measurements.
136-8062	410-191	**Pmod I2S** Digital to Stereo Audio Output	The Pmod I2S is based on a Cirrus Logic CS4344 Stereo DAC converting a serial I²S data stream to an analogue signal for driving standard headphones.
136-8064	410-219	**Pmod IOXP** I2C Port Expander	The Pmod IOXP is an I/O expansion module based on the Analog Devices ADP5589 device providing up to 19 GPIO pins from an I²C bus connection, as well as a keypad matrix decoder.
136-8069	410-325	**Pmod ISNS20** 12-bit 20A Current Sensor	The Pmod ISNS20 is a small current measuring module based on an Allegro ACS722 Hall Effect current sensor with an ADCS7476 12-bit ADC from Texas Instruments.
134-6484	410-330	**Pmod JSTK2** 2-axis Joystick + Trigger	The Pmod JSTK2 is a two-axis joystick with a centre button, a trigger button and a programmable RGB LED.
136-8060	410-086	**Pmod LS1** Line Follower Sensor Interface	The Pmod LS1 receives signals from multiple optical sensors, such as the popular combination of an IR LED with an IR sensor used in line-following robots.
134-6479	410-320	**Pmod LVLSHFT** Logic Level Shifter	The Pmod LVLSHFT is a digital logic level shifter. For example, this module is ideal for users who want to supply +3.3V CMOS logic signals but have an alternate logic level output used for other applications, such as JTAG programming.
134-6439	240-071	**Pmod MAXSONAR** Ultrasonic Range Finder	The Pmod MAXSONAR is a single-transducer ultrasonic range finder based on the MaxBotix® LV-MaxSonar®-EZ1™ module.
134-6475	410-312	**Pmod MIC3** MEMS Microphone	The Pmod MIC3 (Rev A) consists of a Knowles Acoustics SPA2410LR5H-B MEMS microphone and ADCS7476 12-bit ADC.

chanhvinh.com

Digilent Pmod Modules available from RS Components

134-6482	410-326	**Pmod NAV** 9-axis IMU + Barometer	The Pmod NAV uses the LSM9DS1 3-axis accelerometer / gyroscope / magnetometer, plus the LPS25HB digital barometer to provide the basics of an Inertial Measurement Unit (IMU).
136-8065	410-222	**Pmod OLED** 128 x 32 Mono OLED Display	The Pmod OLED is a 128 x 32pixel monochrome OLED panel featuring a Solomon Systech SSD1306 controller and a UG-2832HSWEG04 display from Univision.
134-6481	410-323	**Pmod OLEDrgb** 96 x 64 RGB OLED Display	The Pmod OLEDrgb (Rev B) is an organic RGB LED module with a 96 x 64 pixel display capable of 16-bit colour resolution.
134-6444	410-068	**Pmod RS232** UART-RS232 Convertor	The Pmod RS232 converts between digital logic-voltage levels of a UART device to RS-232 voltage levels required by a PC COM port.
134-6474	410-310	**Pmod RS485** Isolated RS-485 Communication	The Pmod RS485 uses the Analog Devices ADM2582E chip to provide RS-485 / RS-422 differential signalling between devices in environments with high electrical noise.
134-6476	410-315	**Pmod TC1** K-Type Thermocouple	The Pmod TC1 (Rev A) is a cold-junction thermocouple-to-digital converter module designed for a K-Type thermocouple wire.
136-8066	410-287	**Pmod TMP3** Ambient Temperature Sensor	The Pmod TMP3 is an ambient temperature sensor based on the Microchip TCN75A device.
136-8061	410-135	**Pmod TPH2** 12-pin Test Point Header	The Pmod TPH2 provides a 12-pin header for monitoring the signals passing between a host and a peripheral module.
134-6453	410-212	**Pmod USBUART** USB-UART Bridge	The Pmod USBUART provides a seamless bi-directional link between a USB bus and a UART serial bus. It is based on the FT232RQ Bridge device.
134-6452	410-194	**Pmod WiFi** IEEE 802.11g WiFi	The Pmod WiFi provides wireless communication through a Microchip MRF24WG0MA Wi-Fi™ radio transceiver module.

chanhvinh.com