

Digilent Pmod Modules available from RS Components

RS ID	MPN	Module	Description
<a href="#">134-6450</a>	410-163	<b>Pmod 8LD</b> 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.
<a href="#">134-6459</a>	410-255	<b>Pmod ACL2</b> 3-axis MEMS Accelerometer	The Pmod ACL2 is a 3-axis MEMS accelerometer module featuring the Analog Devices ADXL362 device.
<a href="#">134-6443</a>	410-064	<b>Pmod AD1</b> Dual 1MSPS 12-bit ADC + filters	The Pmod AD1 is a two-channel, 12-bit ADC module featuring the Analog Devices AD7476A device.
<a href="#">134-6463</a>	410-286	<b>Pmod ALS</b> Ambient Light Sensor	The Pmod ALS is a single ambient light sensor module based on the Texas Instruments ADC081S021 ADC and Vishay Semiconductor's TEMA6000X01 sensor device.
<a href="#">134-6461</a>	410-270	<b>Pmod AMP3</b> 2W Stereo Power Amplifier	The Pmod AMP3 module features the Analog Devices SSM2518 digital-input 2W Class-D stereo audio power amplifier device.
<a href="#">134-6449</a>	410-136	<b>Pmod BB</b> 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.
<a href="#">136-8063</a>	410-214	<b>Pmod BT2</b> Bluetooth 2.1 Wireless Module	The Pmod BT2 provides Bluetooth 2.1 wireless communication through an RN-42 radio transceiver module.
<a href="#">136-8059</a>	410-077	<b>Pmod BTN</b> Four De-bounced Pushbuttons	The Pmod BTN module provides four momentary-action, fully de-bounced pushbuttons.
<a href="#">134-6437</a>	240-021-2	<b>Pmod Cable Kit</b> , 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.
<a href="#">134-6446</a>	410-082	<b>Pmod CON3</b> Quad R/C Servomotor connector	The Pmod CON3 provides a standard 3-pin connector for up to four hobby servo motors.
<a href="#">134-6448</a>	410-113	<b>Pmod DA2</b> Dual 12-bit DAC	The Pmod DA2 is a dual 12-bit DAC module featuring the Texas Instruments DAC121S101 device.
<a href="#">134-6456</a>	410-241	<b>Pmod DA3</b> 16-bit DAC	The Pmod DA3 is a 16-bit DAC module featuring the Analog Devices AD5541A device.
<a href="#">134-6485</a>	410-333	<b>Pmod DPG1</b> 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.
<a href="#">134-6455</a>	410-237	<b>Pmod GPS</b> GPS Receiver	The Pmod GPS utilizes the MediaTek GPS MT3329 device on a GlobalTop FGPMOPA6H GPS antenna module to receive positional data from GPS satellites.
<a href="#">134-6454</a>	410-215	<b>Pmod GYRO</b> 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.
<a href="#">134-6445</a>	410-069	<b>Pmod HB3</b> 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.
<a href="#">134-6447</a>	410-106	<b>Pmod HB5</b> 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.
<a href="#">136-8072</a>	410-347	<b>Pmod HYGRO</b> Humidity/Temperature Sensor	The Pmod HYGRO is a relative humidity sensor with integrated temperature sensor for highly accurate measurements.
<a href="#">136-8062</a>	410-191	<b>Pmod I2S</b> Digital to Stereo Audio Output	The Pmod I2S is based on a Cirrus Logic CS4344 Stereo DAC converting a serial I <sup>2</sup> S data stream to an analogue signal for driving standard headphones.
<a href="#">136-8064</a>	410-219	<b>Pmod IOXP</b> 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 I <sup>2</sup> C bus connection, as well as a keypad matrix decoder.
<a href="#">136-8069</a>	410-325	<b>Pmod ISNS20</b> 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.
<a href="#">134-6484</a>	410-330	<b>Pmod JSTK2</b> 2-axis Joystick + Trigger	The Pmod JSTK2 is a two-axis joystick with a centre button, a trigger button and a programmable RGB LED.
<a href="#">136-8060</a>	410-086	<b>Pmod LS1</b> 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.
<a href="#">134-6479</a>	410-320	<b>Pmod LVLSHFT</b> 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.
<a href="#">134-6439</a>	240-071	<b>Pmod MAXSONAR</b> Ultrasonic Range Finder	The Pmod MAXSONAR is a single-transducer ultrasonic range finder based on the MaxBotix® LV-MaxSonar®-EZ1™ module.
<a href="#">134-6475</a>	410-312	<b>Pmod MIC3</b> MEMS Microphone	The Pmod MIC3 (Rev A) consists of a Knowles Acoustics SPA2410LR5H-B MEMS microphone and ADCS7476 12-bit ADC.

## Diligent Pmod Modules available from RS Components

<a href="#">134-6482</a>	410-326	<b>Pmod NAV</b> 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).
<a href="#">136-8065</a>	410-222	<b>Pmod OLED</b> 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.
<a href="#">134-6481</a>	410-323	<b>Pmod OLEDrgb</b> 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.
<a href="#">134-6444</a>	410-068	<b>Pmod RS232</b> 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.
<a href="#">134-6474</a>	410-310	<b>Pmod RS485</b> 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.
<a href="#">134-6476</a>	410-315	<b>Pmod TC1</b> K-Type Thermocouple	The Pmod TC1 (Rev A) is a cold-junction thermocouple-to-digital converter module designed for a K-Type thermocouple wire.
<a href="#">136-8066</a>	410-287	<b>Pmod TMP3</b> Ambient Temperature Sensor	The Pmod TMP3 is an ambient temperature sensor based on the Microchip TCN75A device.
<a href="#">136-8061</a>	410-135	<b>Pmod TPH2</b> 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.
<a href="#">134-6453</a>	410-212	<b>Pmod USBUART</b> 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.
<a href="#">134-6452</a>	410-194	<b>Pmod WiFi</b> IEEE 802.11g WiFi	The Pmod WiFi provides wireless communication through a Microchip MRF24WG0MA Wi-Fi™ radio transceiver module.