

Features

- 4.3" WQVGA (480x272) TFT LCD with 24-bit parallel RGB interface
- Resistive 4-wire touch screen

Other Information

To obtain the most recent and complete documentation for this demonstration board, please refer to the Microchip web site: <http://www.microchip.com/graphics>

Please see the reverse side for the Graphics Display Powertip 4.3" 480x272 Board schematic.

Americas

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Europe

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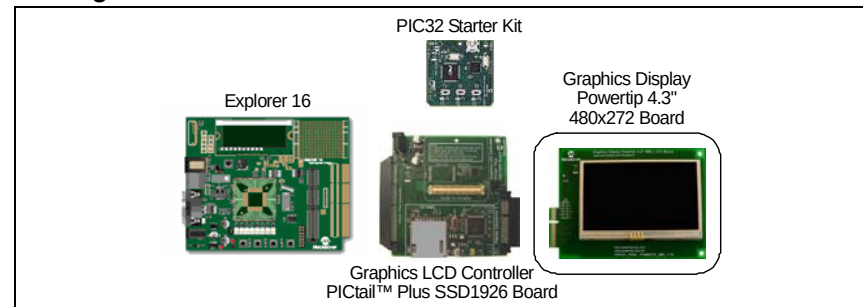
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Graphics Display Powertip 4.3" 480x272 Board

Getting Started



To get started, a development board with the Display Connector V1, such as the Graphics LCD Controller PICtail™ Plus SSD1926 Board (AC164127-5), is required. Please refer to its documentation for more details (DS51790).

The Graphics Display Powertip 4.3" 480x272 Board can be used in conjunction with the Graphics Library for Microchip microcontrollers. The Microchip Graphics Library and other firmware examples can be downloaded from <http://www.microchip.com/graphics>.

Signal Interface

Pin No.	Symbol	Level	Description
A1, B1	+9V	+9.0V	Power Supply
A2, B2	GND	GND	Ground
A3, A4	+3.3V	+3.3V	Power Supply
B3, B4	+5V	+5.0V	Power Supply
A5, B5	GND	GND	Ground
A6	LEFT/X-	I/O	Touch Panel Left
B6	TOP/Y-	I/O	Touch Panel Top
A7	RIGHT/X+	I/O	Touch Panel Right
B7	BOTTOM/Y+	I/O	Touch Panel Bottom
A8-A11, B8-B10	NC	—	Not Connected
B11	BKLHT_PWM	I	PWM Input for Backlight Driver
A12, B12	GND	GND	Ground
A13	SHIFT	I	Pixel Shift Signal
B13	DEN	I	Data Enable
A14	FRAME	I	Frame Pulse
B14	LINE	I	Line Pulse
A15, B15, A16	R7, R6, R5	I	Red Data
B16, A17, B17	G7, G6, G5	I	Green Data
A18, B18, A19	B7, B6, B5	I	Blue Data
B19, A20, B20	R4, R3, R2	I	Red Data
A21, B21, A22	G4, G3, G2	I	Green Data
B22, A23, B23	B4, B3, B2	I	Blue Data
A24, B24	R1, R0	I	Red Data
A25, B25	G1, G0	I	Green Data
A26, B26	B1, B0	I	Blue Data
A27	RESET	I	Glass Reset
B27	CS	I	SPI Chip Select
A28	SCK	I	SPI Clock
B28	MOSI	I	SPI Master Output Slave Input
A29-A31, B29-B31	NC	—	Not Connected
A32, B32	GND	GND	Ground

Board Schematic Revision 2

