



ANALOG RESISTIVE TOUCH SCREEN CONTROLLER BOARD

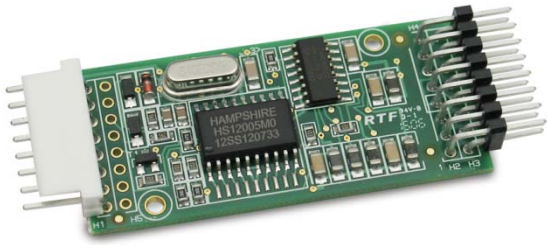


Small form-factor RS-232 & PS/2 communications for 4, 5, and 8 wire

Product Description:

Electrical Specifications:

TSHARC-12 "MINI"



Touch Screens:	All Manufacturers 4, 5, or 8 wire analog resistive
Resolution:	12-bit (4096 x 4096)
Communications:	RS-232, TTL or PS/2
Com Protocol:	Hampshire Standard
Size:	2.11" x .96"
Connector Types	
Touch Screen Side:	.100 Right angle Dual Row Header (part number below)
Com Side:	.100 Right Angle Friction Lock Header (part number below) Custom connectors available upon request.
Sample Rate:	Dynamic: 40 - 125 pts/sec
Baud Rate:	9600
Voltage Required:	5.0Vdc +/- 5% or from PS/2 port
Environmental:	Storage: -40c - 85c / Operating: 0c - 70
PC Board UL File:	See Below
Connectors UL File:	See Below
Part Number:	HS12-00XM0-03

The TSHARC "Mini" touch screen controller is designed to supply easy, low cost decoding of 4, 5 or 8 wire resistive touch screens where a small foot print board with RS-232 or PS/2 communications is required.

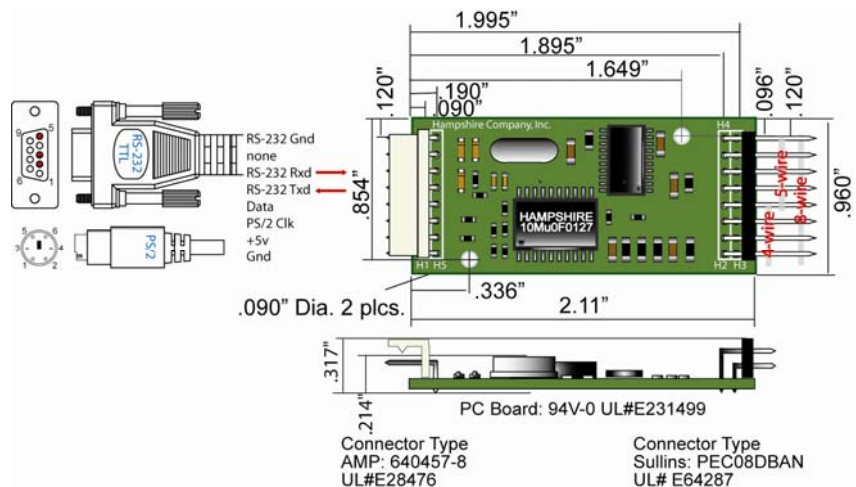
The TSHARC-12 Mini controller comes equipped with a .100" , 16 position dual row, right angle header for easy connection to 4, 5 or 8 wire resistive touch screens . The communication header is a .100", 8 position right angle friction lock header. Users may specify other .100" connector types to meet their specific requirements if necessary. The Mini's small overall size makes this controller ideal for applications where space is limited.

The "mini" controller supports 12 bit (4096 x 4096) resolution and will perform well in drawing and character capture, as well as touch only applications.

Hampshire's propriety firmware is designed to dynamically determine the best possible sample rate for the touch application being performed. Hampshire firmware increases performance and insures touch or drawing stability for all resistive touch screen types regardless of manufacturer or construction.

For embedded applications, Hampshire's "Chip and Driver" solutions are true "Single Chip" solutions. They dynamically support RS-232 and PS/2 communications as well as 4, 5, & 8-wire resistive touch screens. Hampshire device drivers and technical support is also included.

For additional information about the TSHARC- 12 "Mini" or other Hampshire products please visit Hampshire Company at: www.hampshirecompany.com



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