

CGII Touch

Surface Capacitive Controller

Touch International's CGII surface capacitive controller works with surface capacitive touch screens with or without a secondary coating, typically used as an EMI shield on the back. Designed to interface through computer systems through a wide variety of standard interfaces, the controller is compatible with USB, I2C and Serial communications. Combined with Touch International's proprietary firmware, the controller can easily be tuned to your custom design, as well as a range of different applications. Offering high performance while lowering the system cost, the CGII controller can help take your product application to the next level.

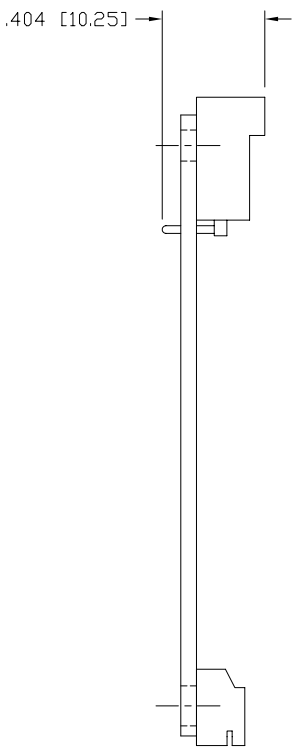
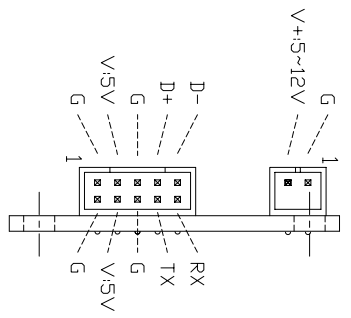
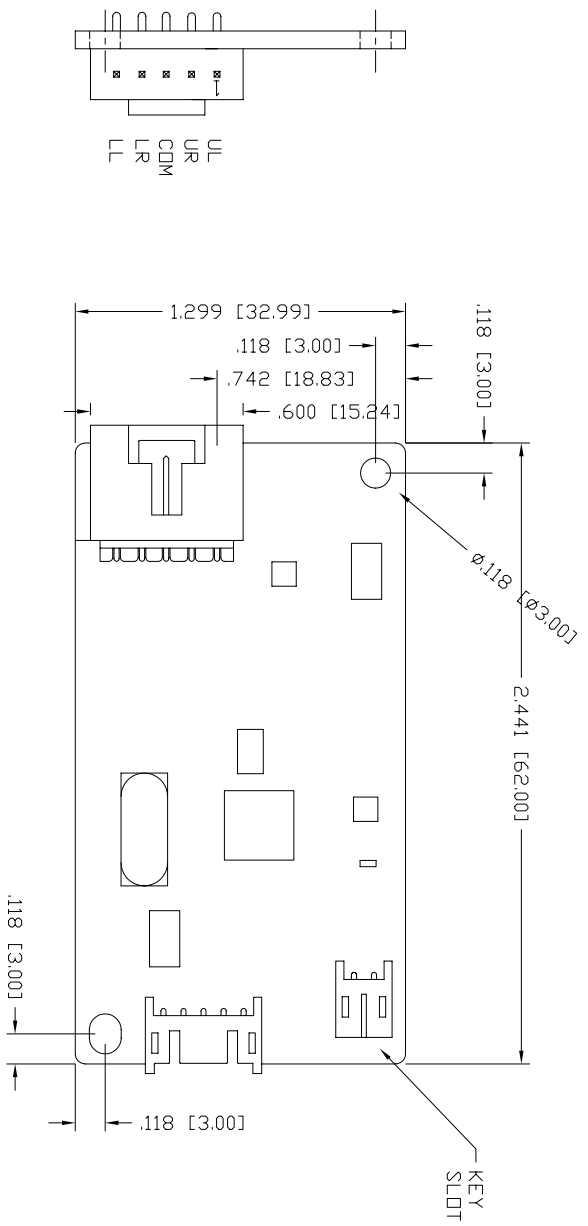
Features

Motion Detection Method	Capacitive sensing using a Sigma-Delta modulator
X/Y Position Reporting	Absolute Position
Touch Force	No Contact Pressure Required
Calibration	No Need for Calibration
Touch	Single Touch
Interface	HID Compliant
RoHS	Compliant
REACH	Compliant
Warranty	5 Years



Specifications

Controller Size	2.445" x 1.299" (62mm x 33mm)
Power Requirements	5 ~ 12V DC Unregulated Power, Typical 55mA
Operating Temperature	-40 to 85°C
Storage Temperature	-40 to 90°C
Relative Humidity	60°C at 95% RH Non-Condensing
Interface	USB: 2.0, 1.1 Compliant (Standard) RS-232 Serial Communication Protocol: No Parity, 8 Data Bits, 1 Stop Bit, 9600 Baud, No Flow Control I2C Communication
Communication Cables	RS-232 6" Shielded Cable With 9-pin D Sub Connector: TI# 1300251 USB 6" Shielded Cable With A Type Connector For USB Y Converter Cable TI# 1300252
Resolution	2048 x 2048
Report Rate	Adaptive Sampling Rate. Max 180 Points/Sec
Maximum Screen Size Supported	46"
Supported Operating Systems	DOS, Windows 2000, XP, Vista & 7, Linux Ubuntu, Mac OSX 10.X (Leopard)



QTY	ITEM NO	PART NUMBER	DESCRIPTION
			TOUCH INTERNATIONAL 2222 West Rundberg Ln #100 Austin, Texas 78758 512-832-8292
FINISHED PART #			TITLE: CONTROLLER, CAP, SW, USB/SER
DO NOT SCALE DRAWING! UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. REMOVE ALL BURRS AND BREAK SHARP EDGES. DEC. TOLERANCE: .XX = ±.060 UNO FRACTIONAL TOL. X/X = ±1/16 .XXX = ±.020 UNO ANGULAR TOL. = ±1° .XXXX = ±.015 UNO .XXXXX = ±.008 UNO			DRAWN DATE: 12/08 MA
NOTICE OF PROPRIETARY RIGHTS THIS DOCUMENT, AND THE INFORMATION IT CONTAINS, IS PROPRIETARY TO TOUCH INTERNATIONAL. IT MUST NOT BE DUPLICATED, OR ITS CONTENTS USED OR DISCLOSED (IN WHOLE OR IN PART) WITHOUT WRITTEN PERMISSION FROM TOUCH INTERNATIONAL.			SCALE: NTS SHEET 1 OF 1
NEXT ASSY #			SIZE: A
REV. 2.0			DWG. NO: 57-B-5-12

NOTES:
 1. ROHS COMPLIANT