



5020D Combo (Dual Serial/USB) 5 Wire Resistive Controller Specification

Construction	Four-layer surface-mount design with internal ground plane for EMI suppression.
Dimensions	Total width: 1.38 inches (35 mm), including connectors Total length: 2.36 inches (60 mm) Total height: 0.47 inches (11.8 mm)
Supply Voltage	+5 VDC, nominal (+4.75 to +5.25V DC), and Current 50mA typical, 240mA maximum at +5 VDC. Typical power dissipation is 500mW at 5V. Minimum power-supply 400 mA
Serial Interface	EIA 232E (Serial RS-232), DCE configuration. 9600 Baud Rate, 8 Data Bits, 1 Stop Bit, No Parity, Full Duplex
USB Interface	Interrupt-type, full-speed USB device.
Operating Modes	Leadingtouch protocol Customer specific protocol Initial/ Stream/ Untouch Modes
Touch Resolution	4096x4096, size independent
Conversion Time	Approximately 10 ms per coordinate set
Reliability	MTBF greater than 1,543,000 hours per MIL-HDBK-217-F2
Temperature	Operating: 0°C to 65°C; Storage: -25°C to 85°C
Humidity	Operating: 10% to 90% RH, noncondensing; Storage: 10% to 90% RH, noncondensing
Operating Altitude	10,000 feet
Shock and Vibration	With Leadingtouch standard container, meet International Safe Transit Association project 2A test procedure.
ESD:	Per EN 6100-4-2 1995. Level 4, Contact Discharge - 8kV ; Air Discharge - 15kV positive and negative polarity
Flammability	94V0
LED Indicators	The 5020D controller has one LED status indicators. When 5020D controller initially connects to host, the LED will be constantly on. When touchscreen connects to 5020D, the LED will snuff out after 3 seconds and be constantly on during touch.
Agency Approvals	The touch system including 5020D controller, touchscreen and connection cable has certified with FCC Part 15. The touch system including 5020D controller, touchscreen and connection cable is compatible with EN55022 and EN55024 standards and is certified with CE

