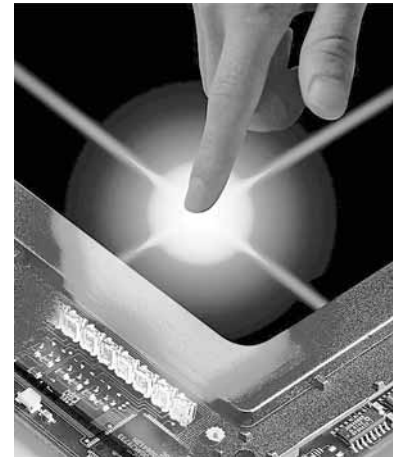
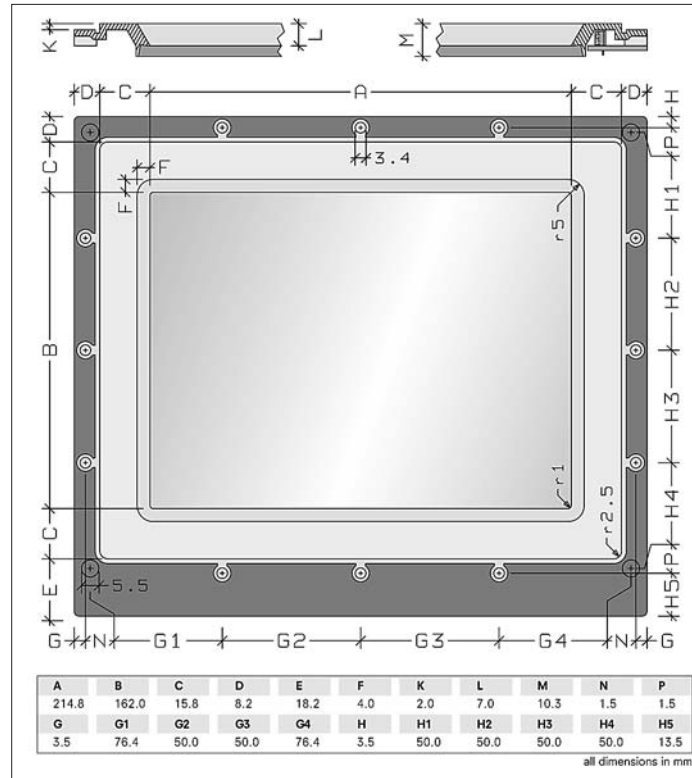


ITKIT 10i4-A003 10.4" IR Touch Screen



SPECIFICATIONS

Electrical Specs

Voltage	+5.0V (± 5%)
Current (typical operating)	204mArms
Current (worst case)	250mArms

Communication Specs

Communication	Bi-directional, asynchronous, EIA-232-D and TTL
Baud Rate, Parity	2400 to 38,400 bps Automatic baud rate and parity detection
Protocol	XON/XOFF

Operational Specs

Active Touch Area	208.3 x 157.5 mm
Touchpoint Density	16 tps/cm ² , 64 tps/cm ² interpolated
Response time	19 - 24 ms
Touch points	Simultaneous tracking of two touchpoints
Stylus Diameter	6mm, >8mm for interpolation
Touch modes	Up to 1009 rectangular areas with individual touch modes; enter, exit, tracking, continuous, Z-Press. Up to 256 area pages
Software Drivers	MS-DOS, Windows 3.11, Windows 95/98, Windows NT 4.0, OS/2 (on request)
Diagnostics	Complete system test at power-on, cyclic beam test during operation

Environmental Specs

Operating Temperature	0°C to +50°C
Storage Temperature	-20°C to +85°C
Humidity	90% RH @ 70°C, non-condensing
Altitude	tbd
Shock (MIL-STD-810E)	tbd
Vibration (MIL-STD-810E)	tbd
Sealing (EN 60529)	>IP65
Peak Output Wavelength	950 nm, infrared
Ambient light	Unaffected

Transmissivity	Up to 100%, depending on filter screen
MTBF (MIL-HDBK-217F, @ 25°C)	>500.000 h
EMI	EN 50 081-1, 2 EN 55 022, Class B
ESD	EN 50082-1, 2

Mechanical Specs

Total size controller & bezel	W 262.8 x H 220 x D 10.3 mm
Max. component height	2.5 mm
Max. IR-element height	5.5 mm
Weight controller	88g
Weight Bezel (no filter screen)	82g
Bezel material	PMMA (acrylic glass)
Connectors	X1: 15-pin, Hirose DF13-15P-1.25DS X2: 10-pin, Hirose DF13-10P-1.25DS

Peripherals

	1 opto-isolated PWM output for backlight dimming
	1 opto-isolated output for touch saver indication or GP use
	1 opto-isolated input for touch point validation or GP use

Options

Z-axis	256 levels
Audio amplifier (key click)	0.5 W @ 8 Ohm