

Specification of 19 TFT-LCD TOUCH MONITORS

Display Characteristics

ITEMS	Unit	SPECIFICATIONS
Screen diagonal	[mm]	482.6
Outline dimension	[mm]	396(W) x 324(H) x 16.3 (D)
Display Area	[mm]	376.32(H) x 301.06(V)
Resolution		1280 (H) x 3(R,G, B) x 1024(V)
Pixel Pitch	[mm]	0.294(H) x 0.294(V)
Pixel Arrangement		R,G, B vertical stripe
Display Mode		Normally white
Typical white Luminance	[cd/m ²]	300(center, Typ)@7.5mA
Contrast Ratio		800:1
Support Colors		16.7M colors
Nominal Input Voltage VDD	[Volt]	+5V
Power Consumption	[Watt]	45W
Electrical Interface		2 Channel LVDS
Weight	[Grams]	2000 (without iron frame)
Surface treatment		Non-Glare treatment, Hard coating 3H
Temperature Range Operating Storage (Shipping)	[°C]	0~50 -20~60

Optical Characteristics

ITEM	Unit	Conditions	Min.	Typ.	Max.
Viewing Angle	[degree]	Horizontal (Right) CR =10 (Left)	70	80	-
		Vertical (Up) CR = 10 (Down)	70	80	-
Luminance Uniformity	[%]	Points	75	80	
Response Time	[msec]	Rising+Falling	-	5	8
Color/Chromaticity Coordinates (CIE1931)	-	Red x	0.617	0.647	0.677
		Red y	0.310	0.340	0.370
		Green x	0.258	0.288	0.318
		Green y	0.575	0.605	0.635
		Blue x	0.115	0.145	0.175
		Blue y	0.041	0.071	0.101
		White x	0.283	0.313	0.343
		White y	0.299	0.329	0.359
White Luminan @CCFL=7.5mA	[cd/m ²]	-	240	300	-
Contrast Ratio	-	-	500	800	-

Monitor Characteristics

Operation	Function Button	5
	OSD Adjustment	Y
Power	AC input	100 ~ 240V/ 50~60 Hz
	DC output	12V / 4.0A
Signal Cable		15pin D-sub / DVI (optional)

TOUCH PANEL CONTROLLER

Specifications

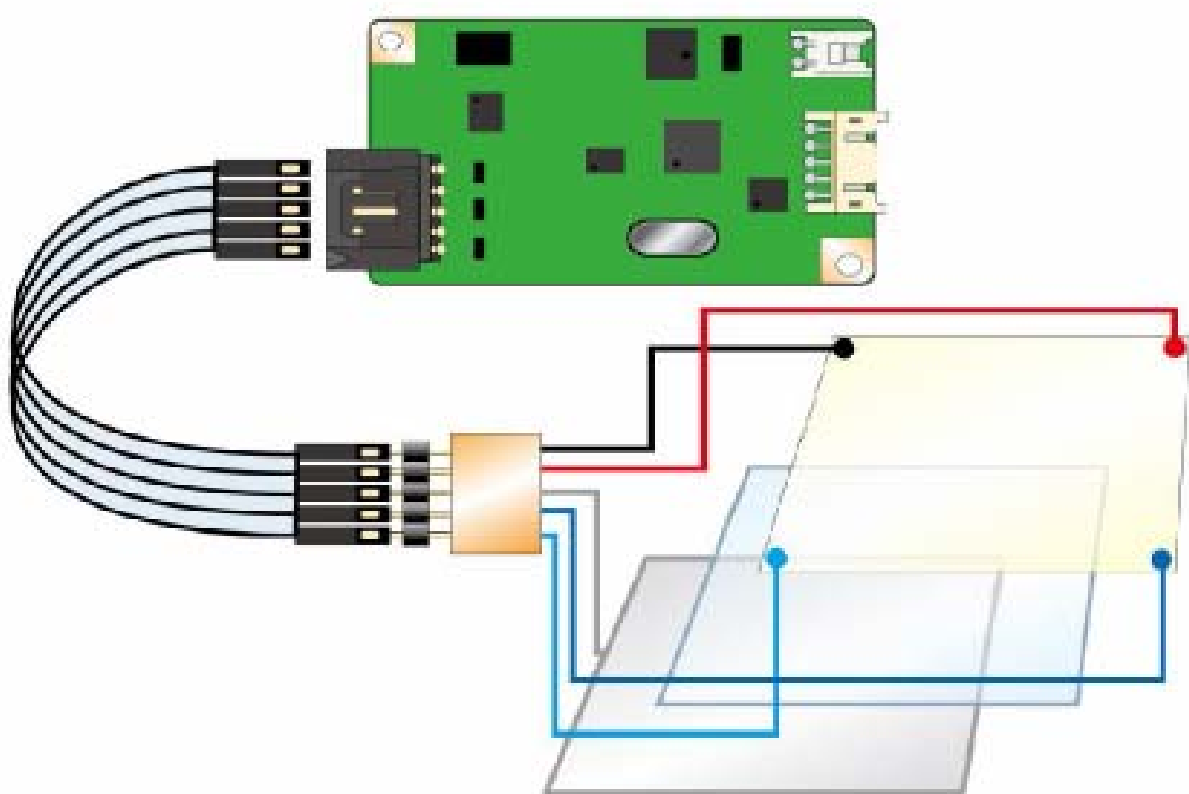
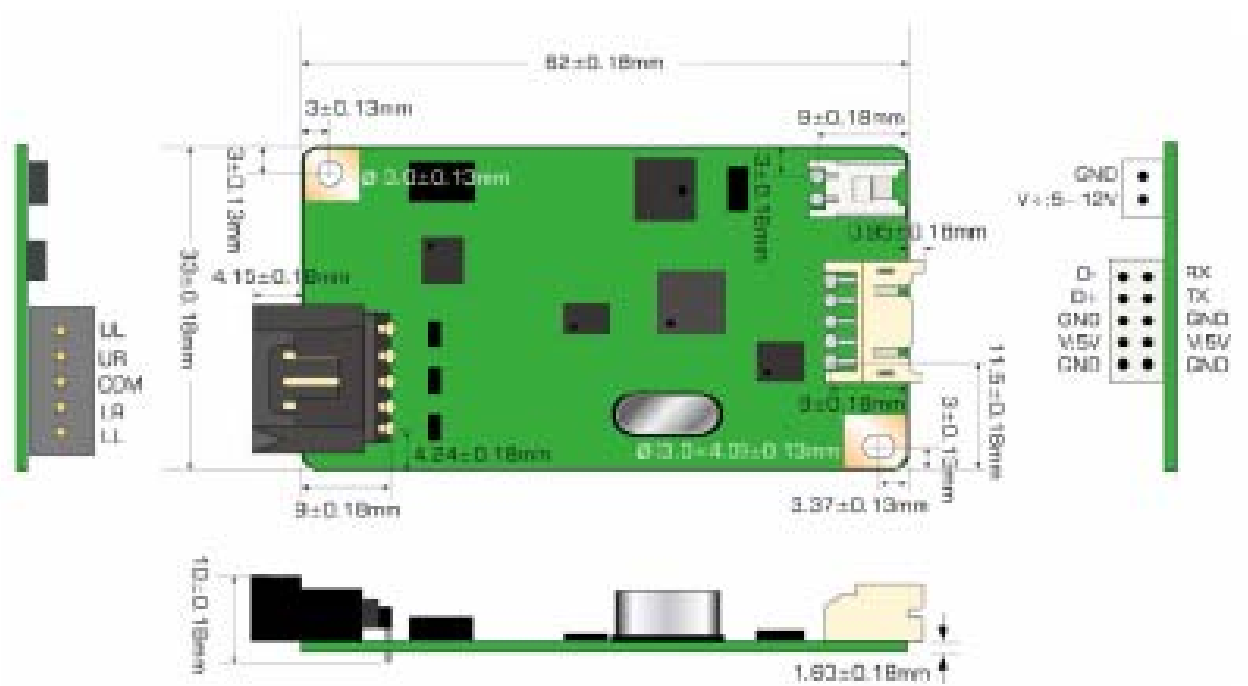
Circuit Board Dimension	62mm x 33mm (2.445inches x 1.299icches)
Power Requirements	D.C. +5V, external 5~12V unregulated power (Maximum 65mA, typical 55mA, 50mV, peak to peak maximum ripple and noise)
Operating Temperature	-40 to 80°C
Storage Temperature	-40 to 90°C
Relative Humidity	95% at 60°C
Interface	Bi-directional RS-232 serial communication USB: 2.0 compliant
Protocal	RS232: No parity, 8 data bits, 1 stop bit, 9600 baud (N,8,1,9600) USB: Full Speed, USB 2.0 compliant
Resolution	2048 x 2048
Report rate	Adaptive Sampling Rate. Max. 180 points/sec
Response time	Max. 25 ms
Attached Cable	RS232: 6' shielded cable with 9-pin D-sub connector USB:6' shielded cable with A type connector for USB Y converter cable
Regulatory Approvals	FCC-B, CE
EMI	Unaffected by environmental EMI
Electro-Static Discharge	Contact; 8KV, Air; 27KV

Feature

Alignment	Fast 4 Points Alignment
Linearization	9, 25 Points Linearization
Setting	Support Multi-Controller and Dynamical Add/Remove
Languages Support	Support 11 languages in Windows
Mouse Emulation	Right/Left buttons emulation
HID Touch Digitizer	Support Vista HID Touch Digitizer
Sound Feedback	Sound on Touch Sound on Lift No Sound
Double Click	Configurable Speed Configurable Range
Monitor Support	Monitor Rotation Supported Multiple Monitor Supported Split Display Supported
EMI	Auto Frequency Control

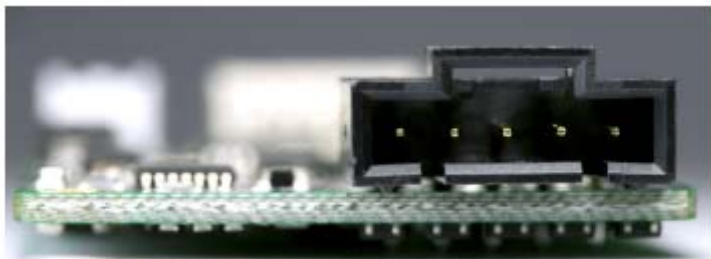
OS	Version	Interfaces
windows	Windows Vista, XP/2000, 9x/ME Windows cE 2.12/3.0/.net/5.0 Windows Embedded Windows XP Tablet PC edition	RS232/USB
Windows	Windows NT4	RS232
Linux	Mandrake (Mandrake 9/1/9.2/10, Mandriva 2005, Mandriva 2006) Red Hat (7.3/8.0/9.0), Fedora (CoreI/II/III/IV/V), Yellow Dog (3.X), SuSE (9.2/9.3/10/10.1), Ubuntu (5.1/6.06), Debian (3.1, Kernel 2.4.x/2.6.x)	RS232/USB(up to kernel 2.6.x)
DOS	DOS	RS232
MAC	Mac OS, Mac OS X (IBM, intel CPU)	USB
QNX	QNX RTOS v6.3	RS232

CONTROLLER:

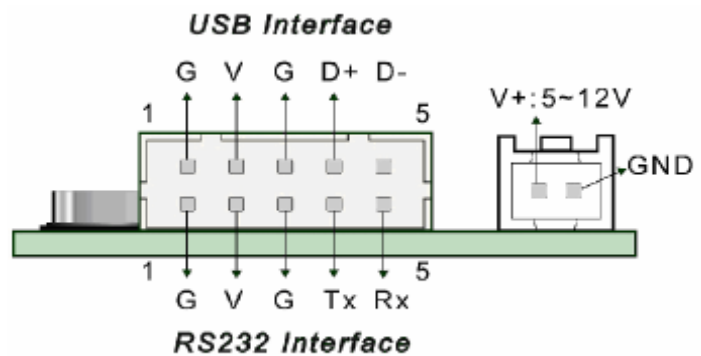


Controller Panel Pin Assignment:

UL	UR	COM	LR	LL
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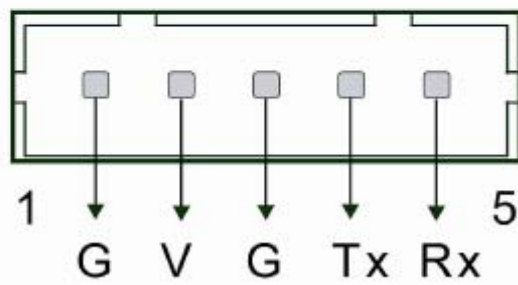
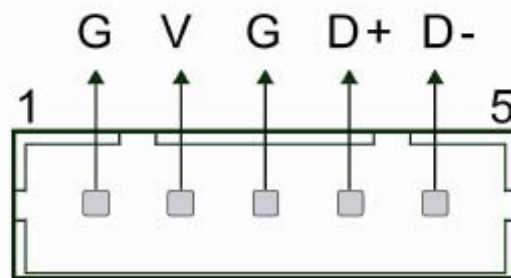


Controller Wafer Pin Assignment:

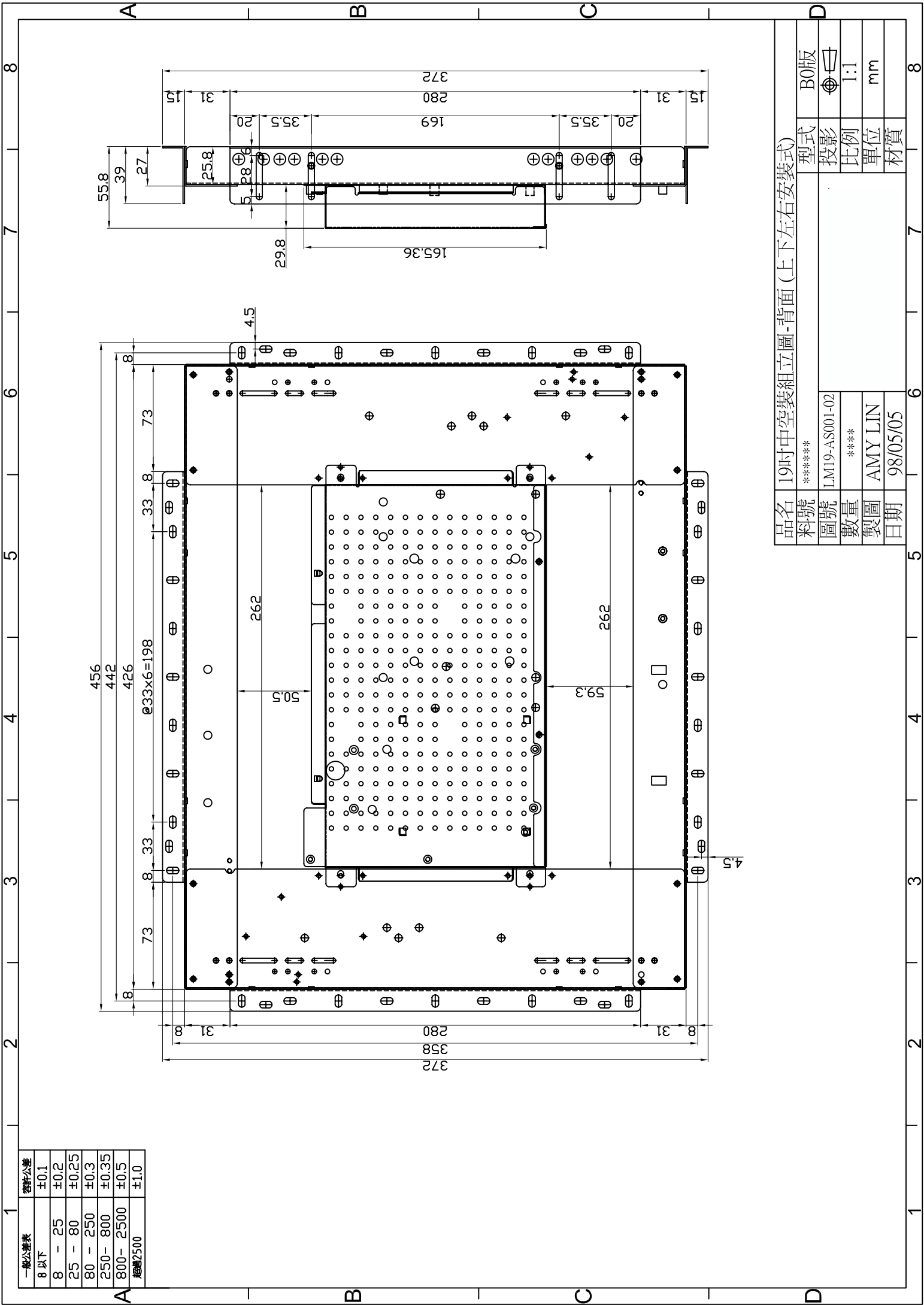




USB Interface



RS232 Interface



品名 19吋中空裝組立圖-背面(上下左右安裝式)

料號	*****	圖號	LM19-AS001-02	數量	*****	製圖	AMY LIN	日期	98/05/05
型式	B0版	投影	1:1	單位	mm	材質			