

# LCD DISPLAY AND EMBEDDED COMPUTING CAPABILITIES

## **Hardware Solutions –LCD**

Graphics Controller  
Cabling  
LCD's w/without Touch Screens

Enclosure  
Software

## **Hardware Solutions – Embedded Controls**

Single Board Computers  
Industrial Backplane  
Industrial Chassis  
Industrial Power Supply  
Industrial I/O Products  
Systems Platform Solutions  
Mini-ITX Boards  
Nano-ITX Boards  
Qseven Module

COM Express & ETX Module  
ATX / MicroATX Boards  
ECX, 3.5" & 5.25" Boards  
X86 Platform  
MIPS Platform  
Bypass & Crypto Card  
ARM Freescale I.MX  
Human Machine Interface (HMI)

## **Display Requirements**

TFT/Active Matrix  
CSTN Passive Color  
Monochrome Graphic  
Character Module  
Screen Size  
Resolution  
Aspect Ratio  
Power  
Interface  
Backlight  
Voltage  
Dimming

LCD Notes  
LCD MFG  
Brightness Enhancement  
Sunlight Readable  
Anti-Reflective Film  
Touch Screen Type  
TS Mfg.  
TS P/N  
TS Notes  
Cables: Data  
Backlight  
Touch Screen

## **Embedded Computing Requirements**

SBC-NEW-Existing-Custom Form  
Factor  
MFG & P/N  
CPU  
Spd.  
Dram  
Flash

I/O  
Peripherals  
Buses  
IDE  
OS  
Graphics UI Dev. Tool  
API Graphic Accel

## Quality & Environment Requirements

Kitting	UL/CSA
TS Installation	FCC Class
Open Frame	Test Req.
LCD Case	Fanless
Pixel Screening	Op. Range
Burn-In (hrs.)	

## **ADDITIONAL INFORMATION**

### Main Markets

O.E.M Industrial	Arenas
Instrumentation	Amusement Parks
Electronics	Gaming
Industrial Automation	Entertainment
Medical	Kiosks
Telecommunications	POS
Digital Signage	Transportation

### Industry Standards

#### IPC

Originally Institute for Interconnecting and Packaging Integrated Circuits; now called IPC. These are standards for printed circuit board design and manufacturing.

#### ISO

International Organization for Standardization