



VPM-523X Specifications

2/APR/2009

Introduction

VPM-523X uses 2" LCD monitor with low poly-silicon transistor. Adopting both the transparent type and the reflection type, the monitor shows an excellent level of visibility in a building or under the sunlight. Also, by adopting the delta array in the monitor, VPM-523X offers more smooth and natural picture quality than the monitor by the stripe array or the mosaic array.

Specifications

| | |
|-----------------------|---------------------------------------|
| Brightness | : 300 cd/m ² (center) |
| Contrast Ratio | : 120:1 |
| Monitor Dots | : 210,000 dots |
| Viewing Angle | : 60/50/70/70 (Top/Bottom/Left/Right) |
| Back light life time | : 5,000 hours (under 40 °C) |
| NTSC/PAL Recognition | : Automatic |
| Power source input | : 12V ± 10% |
| Power consumption | : 2W typ. |
| Operation Temperature | : -10 ~ 40 °C |
| RoHS Compliant | : Passed |

Adjustment

SW mode or VR mode is available in order to adjust brightness and saturation. Please specify which mode you like when you place an order.

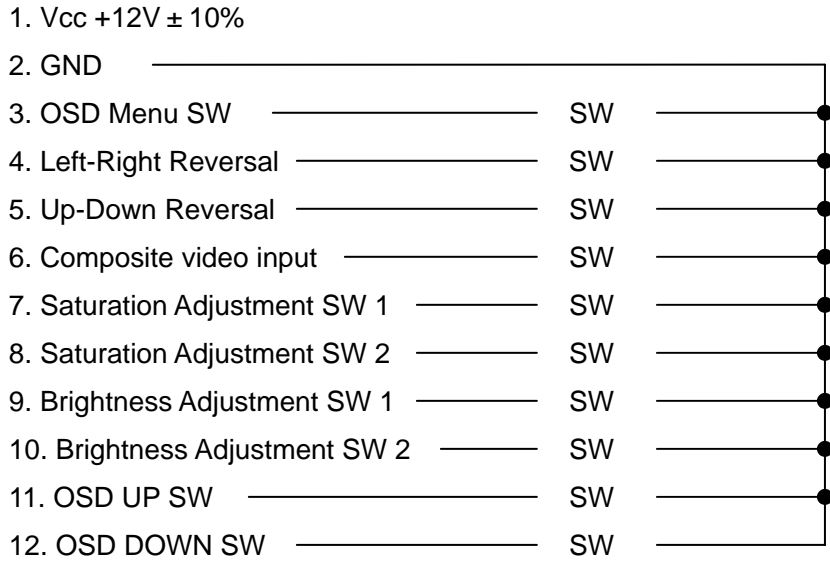
Brightness (+/-) and Saturation (+/-) can be adjusted by SW (x4) or VR (x2).

Hue/Color/Sharpness/ColorTone can be adjusted by OSD menu.

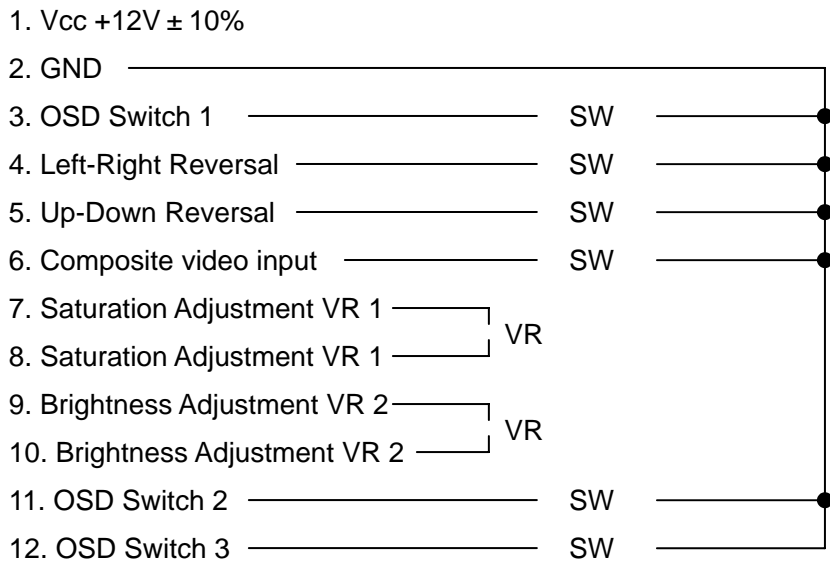
Video Input Specifications (Composite)

| | NTSC | PAL |
|-----------------------------|-------------------|-----------------------|
| TV lines | 525 | 625 |
| Vertical sync. frequency | 59.94Hz | 50Hz |
| Horizontal sync. frequency | 15.734264KHz | 15.625KHz |
| Color sub carrier frequency | 3,579,545 ± 250Hz | 4.43361875MHz ± 250Hz |
| Input power voltage | 1V 75 terminal | 1V 75 terminal |
| Sync. signal amplitude | 286mVpp ± 3dB | 300mVpp ± 3dB |

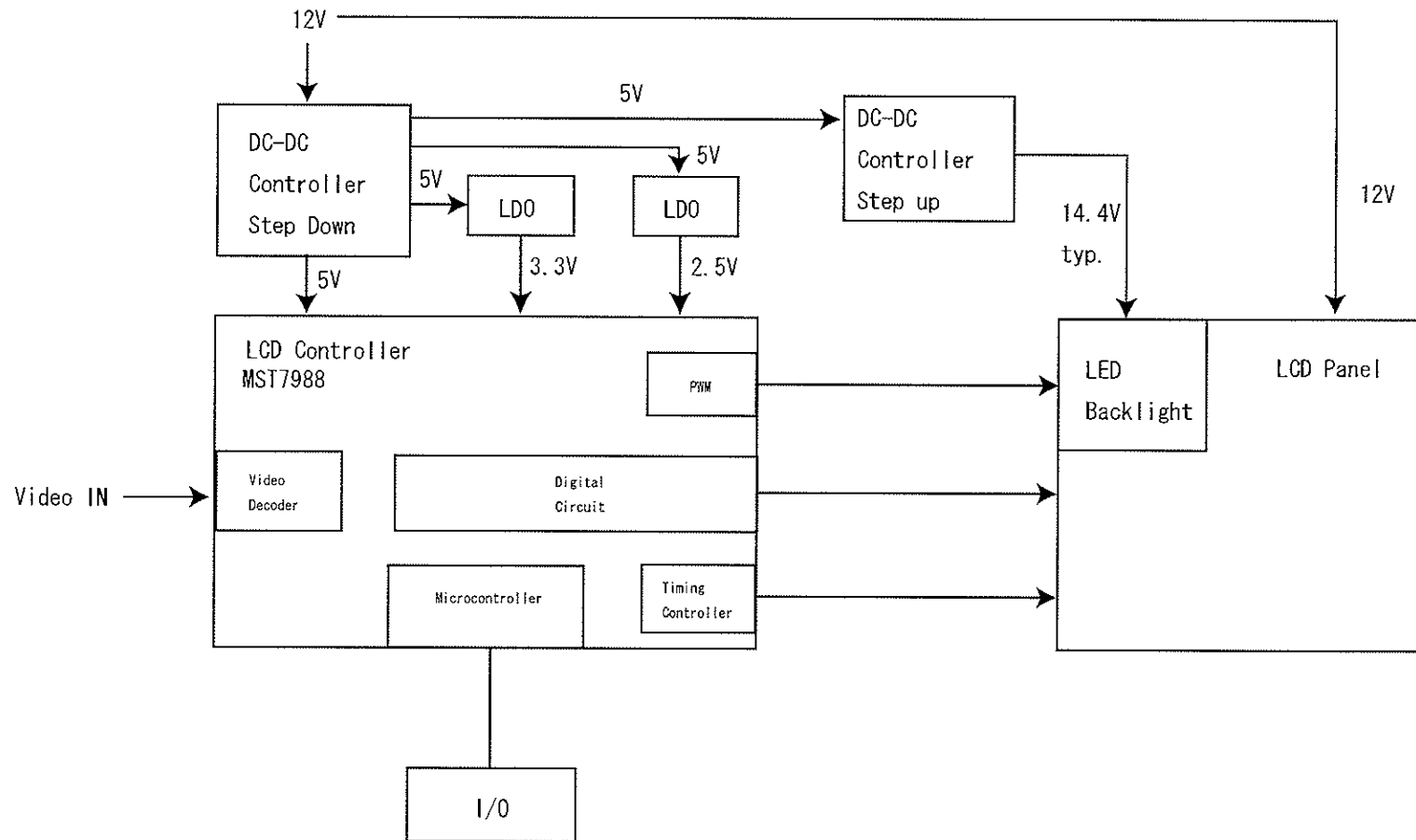
Signal Pin Assignment (SW mode)

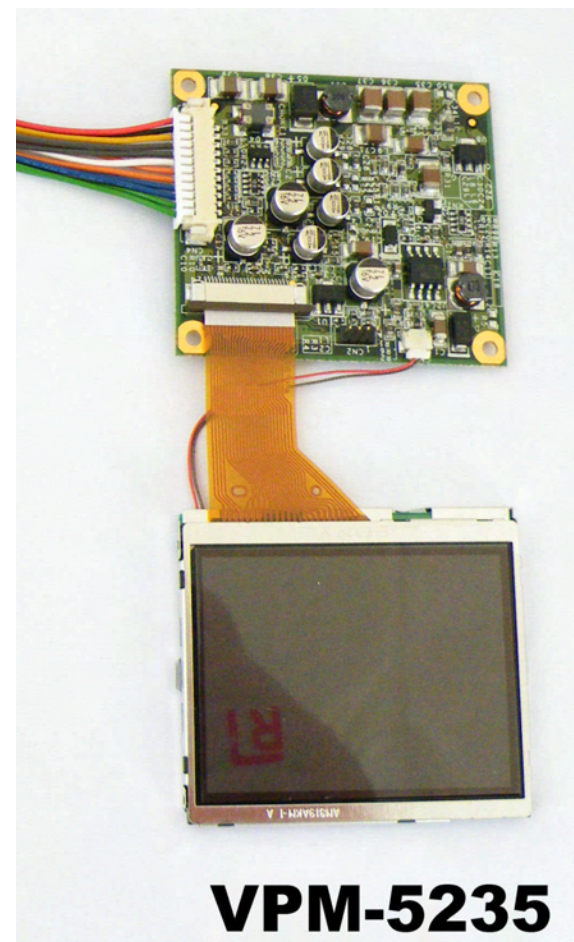
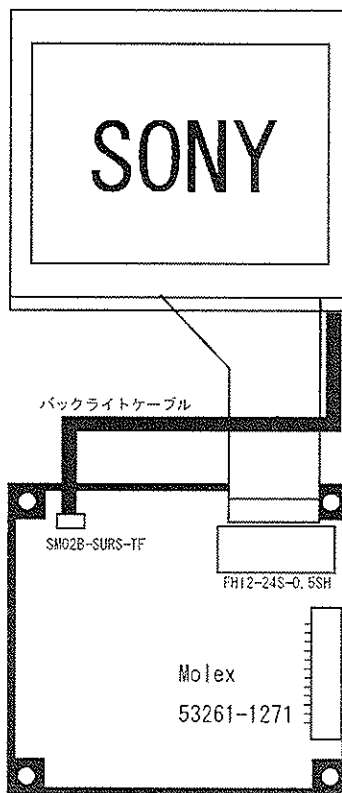
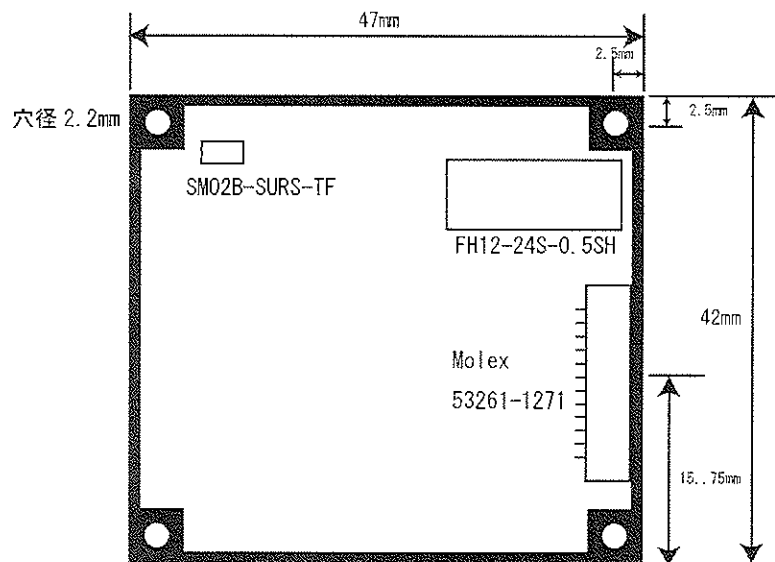


Signal Pin Assignment (VR mode)

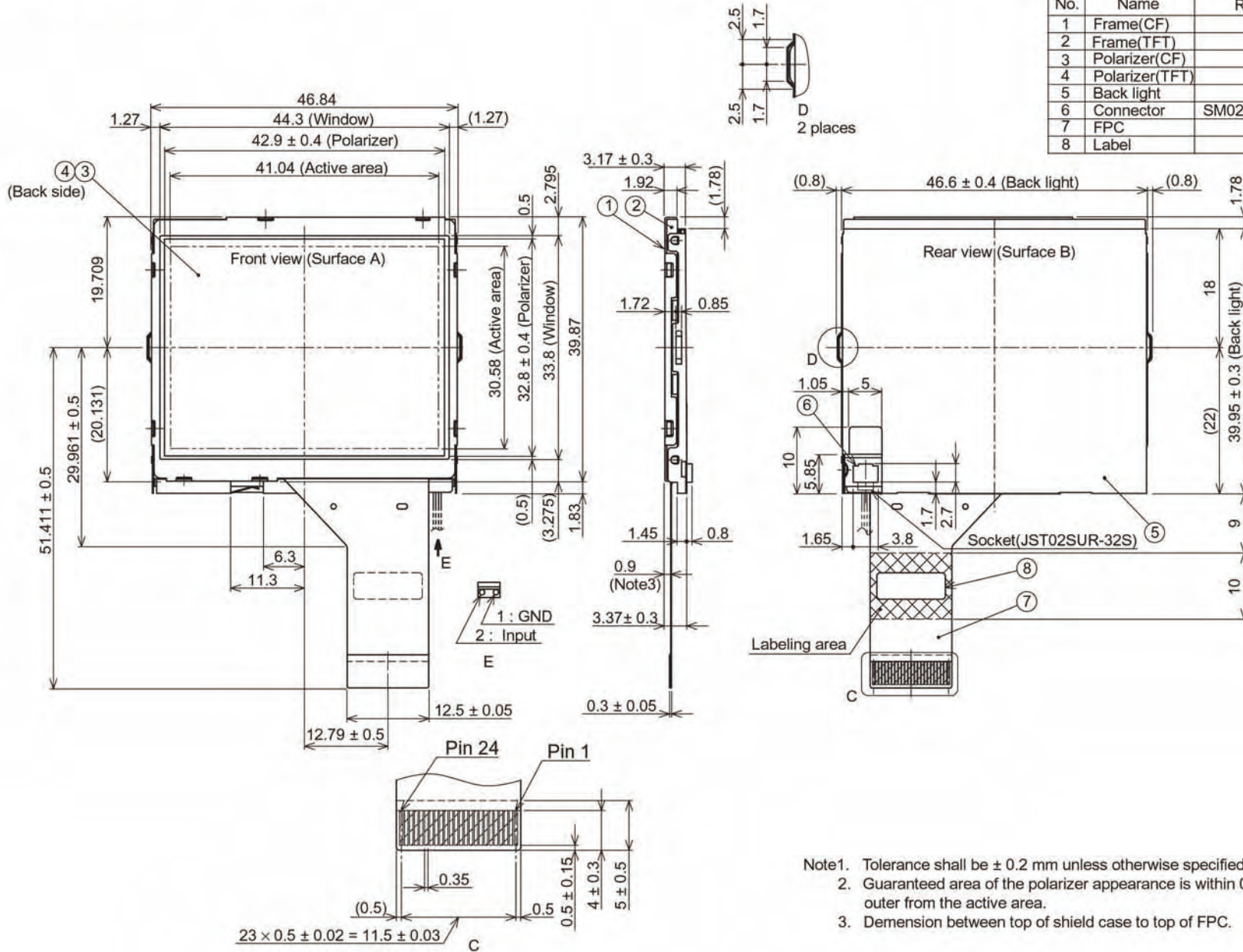


Block Diagram





Package Outline Unit: mm



- Note1. Tolerance shall be ± 0.2 mm unless otherwise specified.
 2. Guaranteed area of the polarizer appearance is within 0.4 mm outer from the active area.
 3. Dimension between top of shield case to top of FPC.