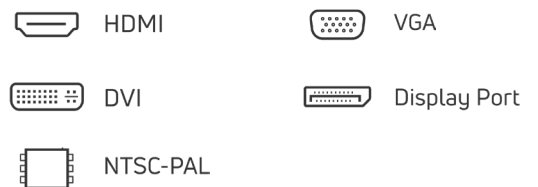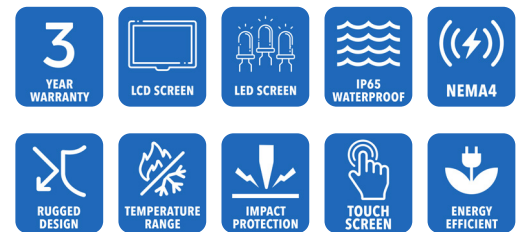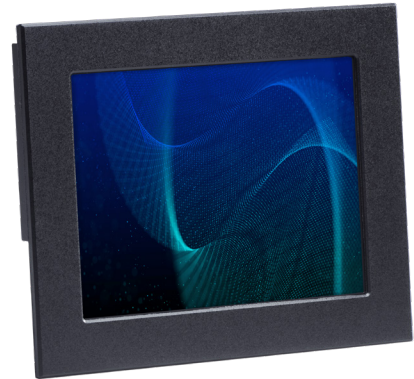# 8.4" Industrial Grade NEMA 4 (IP65) Panel Mount LCD Flat Panel Display

Model PM-084

Model PM-084 is a Second Generation model and is a high-quality industrial LCD panel mount system offering NEMA 4 (IP65) level protection at the front bezel. The product boasts a 8.4" display size with SVGA (800 x 600) pixels, 500 NITS brightness (long-life LED backlight) and 700:1 contrast ratio. The unit is constructed a black powder-coated gasket-sealed front bezel with "bolt" mounting.

This rugged model offers exceptional shock and vibration safeguards and its front bezel and rear housing are constructed of high grade aluminum which has been dipped in zinc-chromate and then finished with a resilient corrosive resistant thermal-set black powder-coating. This product is very ruggedly built, features long-life displays with no scheduled End Of Life. Incorporating the latest LCD, light emitting diodes (LED) backlighting, and control electronics you are assured a display the will perform reliably in harsh industrial environments. Many configurations available, including our Sun Readable SRD models.

3 YEAR WARRANTY | **LCD SCREEN** | **LED SCREEN** | **IP65 WATERPROOF** | **NEMA4**

RUGGED DESIGN | **TEMPERATURE RANGE** | **IMPACT PROTECTION** | **TOUCH SCREEN** | **ENERGY EFFICIENT**

HDMI   VGA

DVI   Display Port

NTSC-PAL

Technical Specifications

General

Model
SRD-PM-084

Display Size
8.4"

Display Type
Long-Life Industrial Grade Active Matrix TFT LCD

Backlight Technology
Solid State, Long-Life LED – CLICK HERE for more information

Optical Films Enhancements
Optical Bonding

Brightness
500 nits (cd/m2)

Dimming Capabilities
Deep Dimming Down to Black

Contrast Ratio
700:1

Aspect Ratio
4:3

Resolution
800 x 600 (SVGA) Native

Colors Supported
262,144

Viewing Angles
-80° to 80° Horizontal
-60° to 80° Vertical

Video Inputs
DVI, HD15 (VGA), HDMI, DisplayPort

User Controls

Front Keypad (can also be configured for rear controls)

Optical Bonding
Optical Bonding

Protective Window
3mm Hardened Protective Window, for more information CLICK HERE (also available various optional Touch Screen Technologies)

Power Types
90 VAC to 264 VAC; 12V DC; 24V DC; 9 to 36V DC; or 20 to 53V DC

Physical Attributes

Front Bezel
High Grade 6061T Aluminum, Electrochemical Anodized for added Corrosion Resistance, Black Textured Finish per Military Standards FED-STD-595

Rear Enclosure
High Grade 6061T Aluminum, Electrochemical Anodized for added Corrosion Resistance, Black Textured Finish per Military Standards FED-STD-595

Panel Mounting
10-32 Stainless mounting studs, 1/2" exposed thread

Overall Dimensions
8.939 x 10.624 x 2.070 in

Cutout
9.28 x 7.78 in (235.8 x 197.7mm)

Weight
8 lbs

Sealability
Gasket-Sealed

Sunlight Readability
Sunlight Readable Model Available

Warranty Period
3 Years

Environmental

Sunlight Readability
Sunlight Readable Model Available

Operating Temperature Range
-30°C to 70°C (-22°F to 158°F)

Storage Temperature
-30°C to 80°C (-22°F to 176°F)

Humidity
5% to 95% RH (non-condensing)

Shock
Operating: 30g's, 11ms, ½ Sine

Vibration
Operating: 1g RMS 20-500Hz
Non-Operating: 1.5G, 10 ~ 300 Hz,
10min/cycle, 3 cycles each X, Y, Z

Fasteners
Vibration-proof, self-locking, fastener system which will not loosen regardless of seat torque. Designed to help make products safer, lower warranty costs and prolong equipment life by eliminating vibration; increased safety, reliability, operating life and reduced maintenance.

EMI
FCC Class B pursuant to Part 15 of the FCC Rules

Agency Compliance
CE

Altitude
Operating 0 to 10,000 ft.
Storage 0 to 40,000 ft.

RoHS Compliant
Yes

Rating
NEMA 4 / IP65

Additional Add-On Options

Touch Screen Technology:

Resistive

Hardened Armored Touch Technology

Video Input Options
DVI, HD15 (VGA), DisplayPort, and/or HDMI

Custom Video Modes

Extended Operational Temperature Ranges
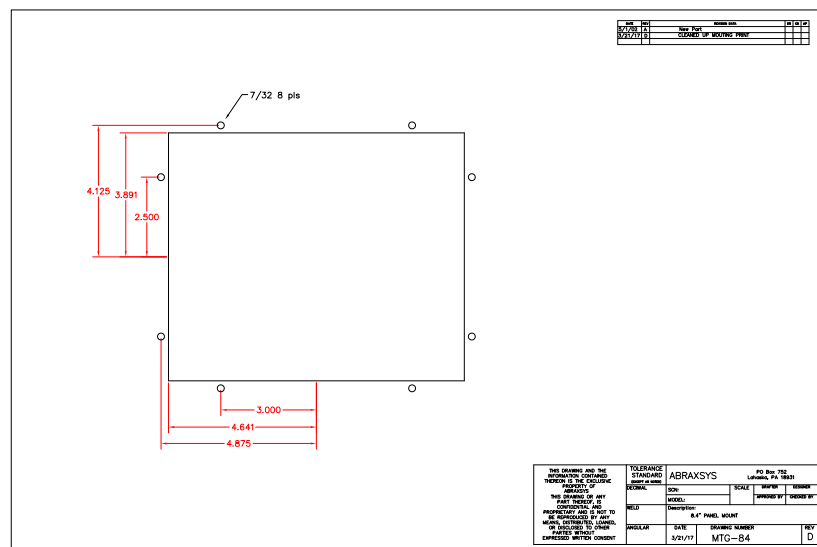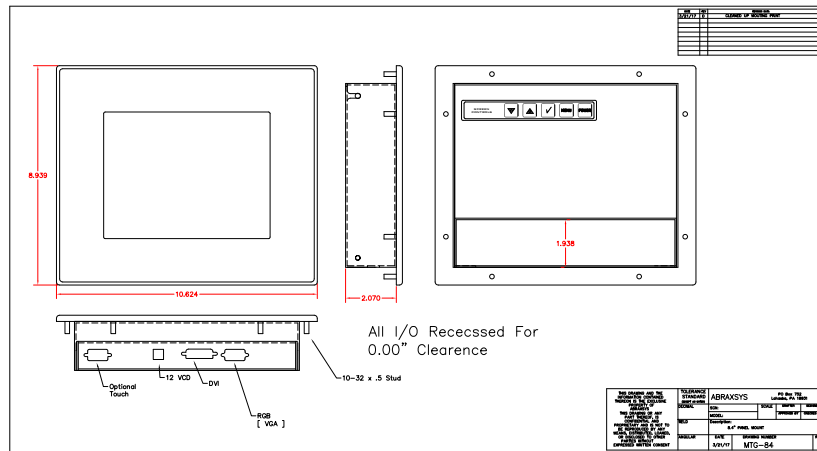
Conformal Coating of all Internal Circuit Boards

NEMA 4X (IP66) Stainless Steel Front Bezel

Private Labeling Services

Customization Services

Sunlight Readable Model Available

Mechanical Drawings

All I/O Rececssed For
0.00" Clearence

8.939
10.624
2.070

Optional Touch
12 VCD
DVI
RGB [VGA]
10-32 x .5 Stud

ABRAXSYS
PO Box 752
Lahaska, PA 18931
Description:
8.4" PANEL MOUNT
DATE 3/21/17
DRAWING NUMBER MTG-84
REV D

7/32 8 pls
4.125
3.891
2.500
3.000
4.641
4.875

ABRAXSYS
PO Box 752
Lahaska, PA 18931
Description:
8.4" PANEL MOUNT
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REV D

These technical and mechanical resources are subject to change without notice.

AbraxSys
RUGGED LCD SOLUTIONS

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www.abraxsyscorp.com

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Pipersville, Pennsylvania 18947 U.S.A.