PI-DK121

Premio 12.1” Industrial Display Kit

Premio PI-DK series are a family of wide operating temperature industrial grade LCD display kits with sizes ranging from 7” to 24” and come with or without touch screen integrated. It also comes with the service options of high brightness and optical bonding for harsh / outdoor environment applications.

FEATURES

- 12.1” LCD with 1024 x 768 XGA resolution
- Wide operating temperature support
- 500 cd/m2 brightness with LED backlight
- Touch option: non-touch, 5-wire Resistive Touch or 10 points Projected Capacitive multi-touch options
- LVDS interface
- LED driver board built in
- Touch screen/touch controller included
- Optional A/D kit, LVDS/backlight cables, key pad, power supply
- Optional optical bonding servic

SPECIFICATIONS

LCD

Screen Size	12.1”
Resolution	1024 x 768 XGA
Display Active area	245.76 mm x 184.32 mm
Colors	262k / 16.2M
Backlight Unit	LED
Brightness	500 cd/m²
Contrast Ratio	700:1
Response Time	35 ms
Viewing Angle	160/160
Signal Interface	LVDS
Power Consumption	5.31W
Dimension	279 mm x 209 mm x 9 mm
Weight	620 g (typ.)

Touch

Touch options	non-touch 5-wire Resistive Touch Projected Capacitive Multi-touch (PCAP)
Surface Hardness	≥ 3H (non-touch/resistive touch) ≥ 6H (PCAP touch)
Transparency	≥ 80%

Environment

Operating Environment	Non-touch:-30 °C ~ 85 °C PCAP/Resistive touch:-20 °C ~ 70 °C Humidity 20% RH ~ 80% RH (Non Condensing)
Storage Environment	Non-touch:-30 °C ~ 85 °C PCAP/Resistive touch:-20 °C ~ 70 °C Humidity 10% RH ~ 90% RH (Non Condensing)

Warranty

Warranty	2 year standard warranty

CONTROLLER PINOUT

5-Wire Resistive Touch Pinout

Pin 1	UR
Pin 2	LR
Pin 3	SG
Pin 4	UL
Pin 5	LL

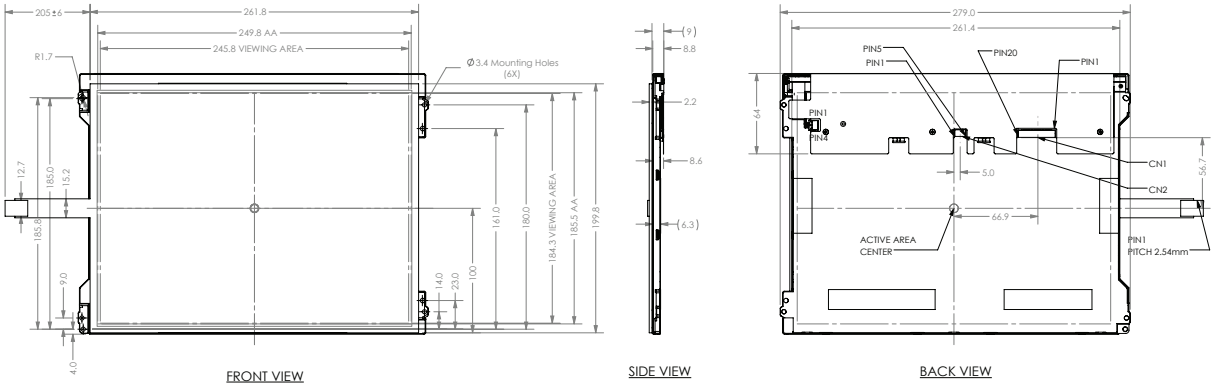
Projected Capacitive Touch Pinout

Pin 1	GND
Pin 2	VDD 5.0
Pin 3	D-
Pin 4	D+
Pin 5	GND

DIMENSIONS

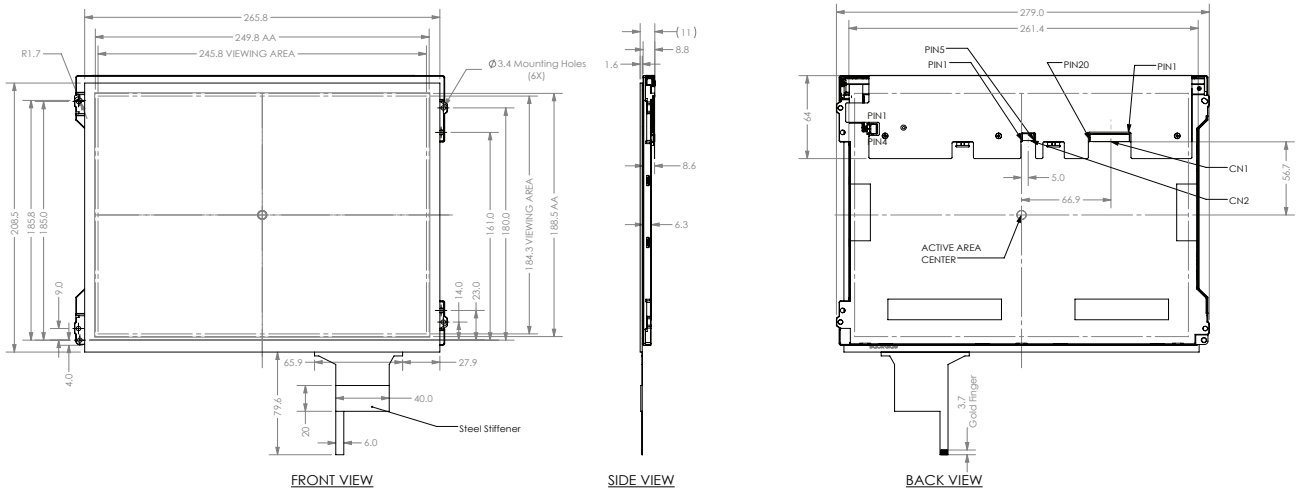
PI-DK121R50XG01

Unit: mm



FRONT VIEW SIDE VIEW BACK VIEW

PI-DK121P50XG01



FRONT VIEW SIDE VIEW BACK VIEW

AVAILABLE MODELS

MODEL NO.	DESCRIPTION
PI-DK121N50XG01	12.1" 1024x768, 500nits, -30~85C, Non-Touch Insudtrial Display Kit
PI-DK121R50XG01	12.1" 1024x768, 500nits, -20~70C, 5-wire Resistive Touch Display Kit
PI-DK121P50XG01	12.1" 1024x768, 500nits, -20~70C, Projected Capacitive Touch Display Kit

PACKING LIST

- 1 x 12.1" LCD Display Kit
- 1 x Resistive Touch Controller (PCAP touch is COF Chip-on-Flex)
- 1 x USB Cable

OPTIONAL BUY

MODEL NO.	DESCRIPTION
PSPKIT004	A/D Kit for PI-DK121. A/D board with -20 °C ~ 70 °C wide operating temp, VGA + DVI + HDMI Interface , no audio. OSD, LVDS/BL cables included.
PSPPOW003	12V, 60W Power Supply