

PI-DK190

Premio 19" 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

- 19" LCD with 1280 x 1024 SXGA resolution
- Wide operating temperature support
- 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 service



SPECIFICATIONS

LCD		
Screen Size	19"	19"
Resolution	1280 x 1024 SXGA	1280 x 1024 SXGA
Display Active area	376.32 mm x 301.06 mm	376.32 mm x 301.06 mm
Colors	16.7M	16.7M
Backlight Unit	LED	LED
Brightness	350 cd/m2	1600 cd/m2
Contrast Ratio	1000:1	800:1
Response Time	10 ms	10ms
Viewing Angle	170/160	170/160
Signal Interface	LVDS	LVDS
Power Consumption	17W	50W
Dimension	396 mm x 324 mm x 15.18 mm	396 mm x 324 mm x 16.3 mm
Weight	1800 g (typ.)	1500 g (typ.)
Touch		
Touch options	non-touch 5W-Resistive Touch Projected Capacitive Multi-touch (PCAP)	non-touch 5W-Resistive Touch Projected Capacitive Multi-touch (PCAP)
Surface Hardness	≥ 3H (non-touch); ≥ 6H (PCAP touch)	≥ 3H (non-touch); ≥ 6H (PCAP touch)
Transparency	≥ 80%	≥ 80%
Environment		
Operating Environment	Non-touch:-30 °C ~ 85 °C Resistive Touch /PCAP touch:-20 °C ~ 70 °C Humidity 20% RH ~ 80% RH (Non Condensing)	Non-touch:-30 °C ~ 70 °C Resistive Touch /PCAP touch:-20 °C ~ 70 °C Humidity 20% RH ~ 80% RH (Non Condensing)
Storage Environment	Non-touch:-30 °C ~ 85 °C Resistive Touch /PCAP touch:-20 °C ~ 70 °C Humidity 10% RH ~ 90% RH (Non Condensing)	Non-touch:-30 °C ~ 70 °C Resistive Touch /PCAP touch:-20 °C ~ 70 °C Humidity 10% RH ~ 90% RH (Non Condensing)
Warranty		
Warranty	2 year standard warranty	2 year standard warranty

CONTROLLER PINOUT

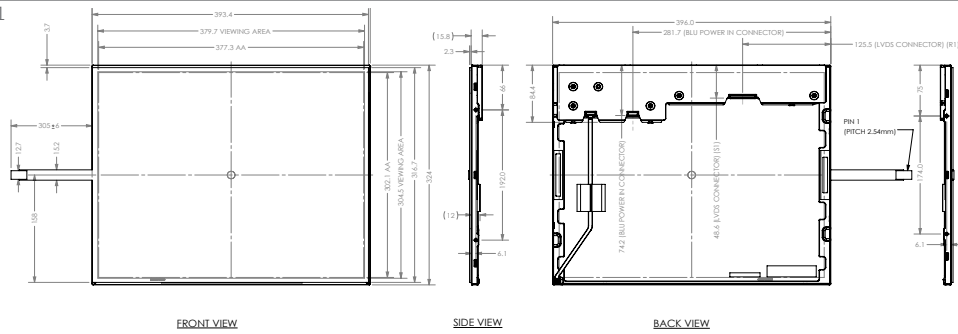
Projected Capacitive Touch Pinout	
J1	Pin 1: GND, Pin 2-79: RX77-RX0, Pin 80: GND
J2	Pin 1: GND, Pin 2-3: NA, Pin 4-49: TX45-TX0, Pin 50: GND
J3	Pin 1: VDD, Pin 2: USB_D-, Pin3: USB_D+, Pin 4-5: GND



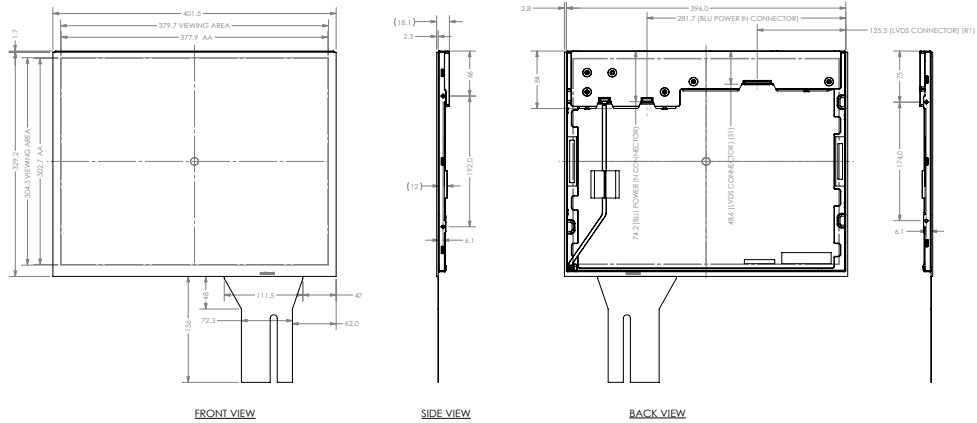
DIMENSIONS

PI-DK190R35SX01

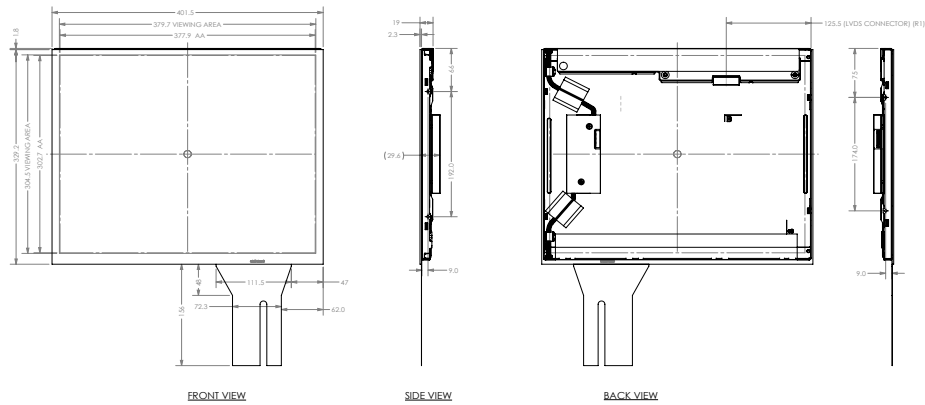
Unit: mm



PI-DK190P35SX01



PI-DK190PK6SX01



AVAILABLE MODELS

MODEL NO.	DESCRIPTION
PI-DK190N35SX01	19" 1280x1024, 350nits, -30~85C, Non-Touch Insudtrial Display Kit
PI-DK190R35SX01	19" 1280x1024, 350nits, -20~70C, 5-wire Resistive Touch Display Kit
PI-DK190P35SX01	19" 1280x1024, 350nits, -20~70C, Projected Capacitive Touch Display Kit
PI-DK190NK6SX01	19" 1280x1024, 1600nits, -30~70C, Non-Touch Insudtrial Display Kit
PI-DK190RK6SX01	19" 1280x1024, 1600nits, -20~70C, 5-wire Resistive Touch Display Kit
PI-DK190PK6SX01	19" 1280x1024, 1600nits, -20~70C, Projected Capacitive Touch Display Kit

OPTIONAL BUY

MODEL NO.	DESCRIPTION
PSPKIT010	A/D Kit for PI-DK190, 1280 x 1024 SXGA, 350 cd/m2. A/D board with -20 °C ~ 70 °C wide operating temp, VGA + DVI + HDMI Interface , no audio. OSD, LVDS/BL cables included.
PSPKIT011	A/D Kit for PI-DK190, 1280 x 1024 SXGA, 1600 cd/m2. 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

PACKING LIST

- 1 x 19" LCD Display Kit
- 1 x Touch Controller
- 1 x USB Cable (touch interface)