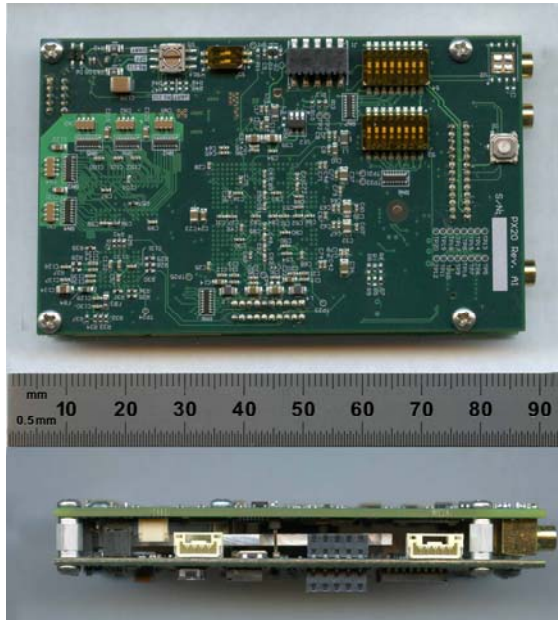


## PX60 Series Image Processors

This information applies to the following model designations: PX60PCB



The PX60PCB Employs and FPGA and multi-core processor technology to provide a powerful FPGA and DSP platform capable of a wide range of a wide range of real-time video image-processing functions, along with an ARM-9 general-purpose microprocessor running embedded Linux for robust user-interface and control implementations.

The PX60PCB, when combined with Pixion Imaging's Image Processing Suite firmware, provides a turn-key solution for systems integrators in military, homeland security, surveillance, scientific, and other high-end imaging applications.

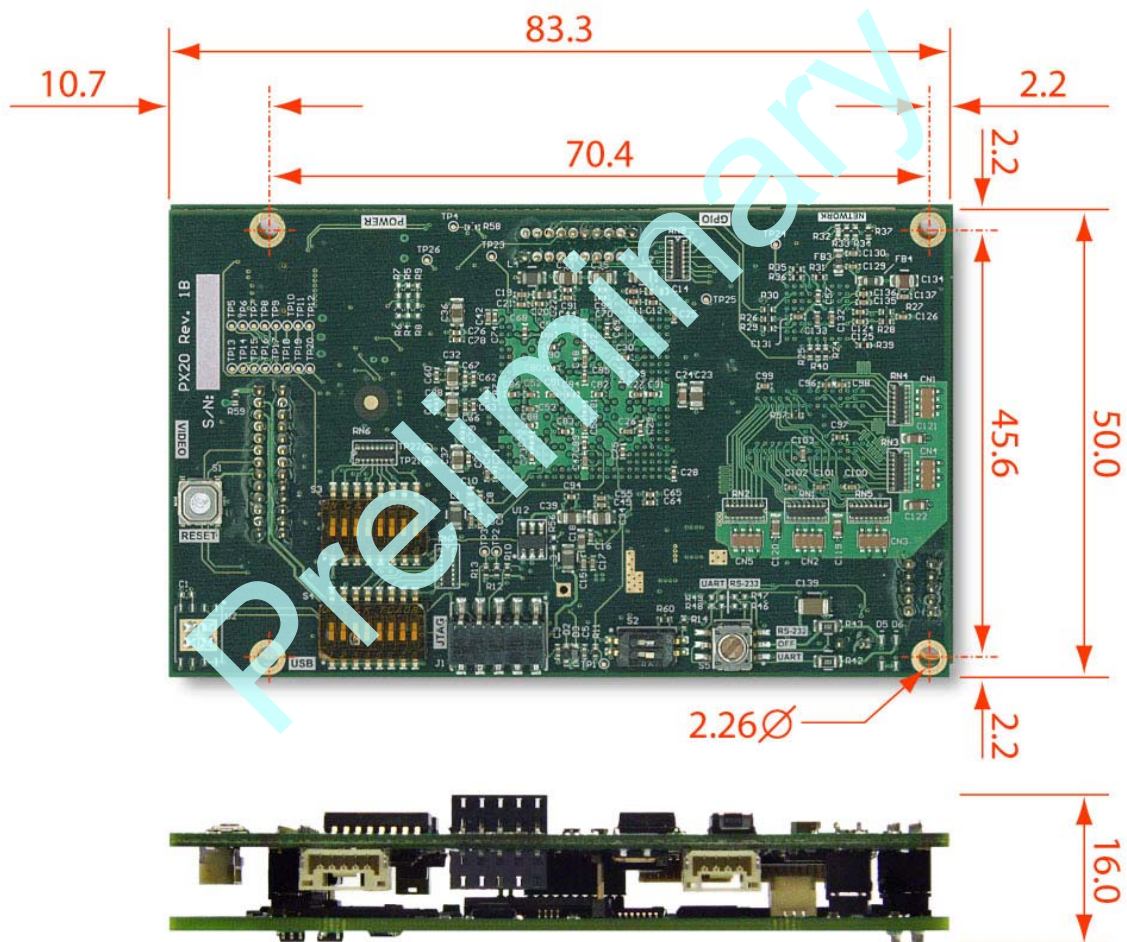
<b>Video inputs</b>	
Video In	75 ohm, composite (CVSB, RS-170), 1 V p-p, NTSC or PAL format
<b>Video outputs</b>	
Video Out	Composite (CVSB, RS-170), 1 V p-p into 75 ohm load, video format same as "Video In" signal
Video Loop-Through	Composite (CVSB, RS-170), 1 V p-p into 75 ohm load, buffered "Video In" signal
<b>Video bypass feature</b>	
Video-signal-processing bypass (solid-state switching), software-controlled or hardware external control (logic-level); default mode on power-down or watchdog failure is bypass	Buffered output; 0.5 ohm maximum series resistance; alternative power input to run bypass and pass-through if main power source fails
<b>Networking and control ports</b>	
Serial port	Port is URAT compatible, but utilizes 3.3 V logic voltage levels
Ethernet	10/100BaseT Ethernet available (adapter board required)
USB	USB1.1 and USB2.0, adapter board required
<b>GPIOs</b>	
Logic-level I/O (programmable as input or output)	6 lines, 1.8 V logic levels, un-buffered (external ESD protection required)
<b>Power requirements</b>	
Supply voltage	5.0 VDC +/- 10%
Load regulation	± 5%, maximum ripple 50 mV p-p, transient response 2 ms for 50% load change
Line regulation	± 5%
Supply current	1 A maximum (at 5.0 VDC)

<b>Environmental</b>	
Ambient temperature range, operating [3]	-40 to 85 °C
Ambient temperature range, storage	-60 to 125 °C
Humidity	3% – 90%, non-condensing
Altitude, convection cooling	4,500 m
Altitude, forced-air cooling	12,000 m

<b>Dimensions</b>	
H x W x D	50.0 x 83.3 x 16.0 mm
Weight	58 g

**Note: Specifications are subject to change without notice. Contac Pixon Imaging for up-to-date specifications.**

### Mechanical drawing



All dimensions in mm



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