



# LX-3 L-Band Board

## L-Band Receiver Specifications

Receiver Type:	Single Channel
Channels:	1530 to 1560 MHz
Sensitivity:	-130 dBm
Channel Spacing:	5.0 KHz
Satellite Selection:	Manual or Automatic
Reacquisition Time:	15 sec (typical)

## Communications

Serial Ports:	Port D on P206, P306, and H200 (in use)
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## Power

Input Voltage:	3.3 VDC +/-5%
Power Consumption:	0.66 W @ 3.3 V
Current Consumption:	190 mA @ 3.3 V
Antenna Voltage Input:	0-15 VDC maximum
Antenna Short Circuit Protection:	Yes
Antenna Input Impedance:	50 Ω

## Environmental

Operating Temperature:	-40°C to +85°C (-40°F to +185°F)
Storage Temperature:	-40°C to +85°C (-40°F to +185°F)
Humidity:	95% non-condensing (when installed in an enclosure)
Shock and Vibration:	EP455 (when mounted in an enclosure with screw mounting holes utilized)
EMC:	FCC Part 15, Subpart B, CE (IEC 60945), CISPR22

## Mechanical

Dimensions:	7.1 L x 4.1 W x 1.2 H (cm) 2.8 L x 1.6 W x 0.5 H (in)
Weight:	< .014 kg (< 0.50 oz)
Power/Data Connector:	17-pin male header, 2 rows, 0.05" pitch 17-pin female header, 2 rows, 0.05" pitch
Antenna Connectors:	MCX straight socket (male and female)



Back View



Improve GNSS positioning accuracy by adding Atlas™ L-band differential capability with Hemisphere GNSS' LX-3™ OEM board. Atlas L-band differential signal corrections are broadcast via satellites to cover most land areas worldwide. The LX-3, coupled with Hemisphere GNSS' exclusive P206, P306, and H200 boards, can track L-Band high precision signals that improve position accuracy to better than 8 cm. It is an ideal alternative or backup to other differential sources such as RTK, SBAS (WAAS, EGNOS, MSAS, etc.) and radiobeacon, especially in regions where those signals are difficult or impossible to track.

The LX-3 automatically tracks the best differential satellite broadcast if more than one is available in a particular region or tracks a specific satellite manually set by the user.

The LX-3 comes as an OEM board that can easily be mounted with a P206, P306, or H200 board for optimal performance.

Authorized Distributor:



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