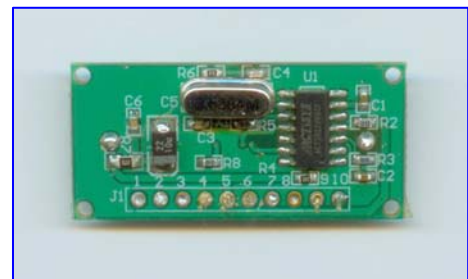
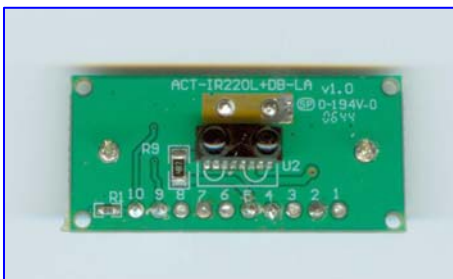


# Serial Data to RAW SIR Interface PCBA

**ACT-IR220LDB-LA**, *Compatible with LASCAR PANEL-IR module*

- Uses IrDA<sup>®</sup>-v1.0, RAW IR communication standard.
- Connects to microcontroller, UART, or EasyLog module.
- Half duplex communications.
- 10-way pin header.
- Supports 9600 bps (Other data rates are available by request).
- IR pulse: 1.63  $\mu$ S.
- No IrDA protocols supported, supports only Raw IR.
- Compatible with LASCAR's PANEL-IR PCBA module.
- RoHS compliant.



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# Serial Data to RAW SIR Interface PCBA

*ACT-IR220LDB-LA, Compatible with LASCAR PANEL-IR module*

## Specifications

- **Compatibility:**

Fully compliant with IrDA<sup>®</sup>-v1.0, Raw IR specification

- **Communication speed and distance:**

9600 bps (Other data rates are available); 1 cm -158 cm

- **Power source:**

Obtains power from host system

- **Power consumption:**

Active current: < 60 mA; standby current: < 15 mA

- **Dimension / weight:**

38 mm (L) X 18 mm (W) X 12.5 mm (H) / 61 g

- **Operating / storage temperature:**

0° C to +60° C / -20° C to +85° C

- **Pin function definition**

PIN No.	Function	Remarks
1~3; 6~8	N/C	No connection. Do not connect anything to these pins.
4	0 V	0 V power supply.
5	V+	5 V power supply.
9	RxD	Receive data – received data appears on this pin.
10	TxD	Transmit data – applies data to be transmitted to this pin. If the PCBA is solely used for receiving data then TxD should be connected to V+ via a 47k $\Omega$ resistor

 **ACTiSYS Corporation**

921 Corporate Way  
Fremont, CA 94539-6118, U.S.A.  
Tel: +1-510-490-8024, Fax: +1-510-623-7268  
E-mail: [irda-info@actisys.com](mailto:irda-info@actisys.com)  
Web Site: <http://www.actisys.com>

