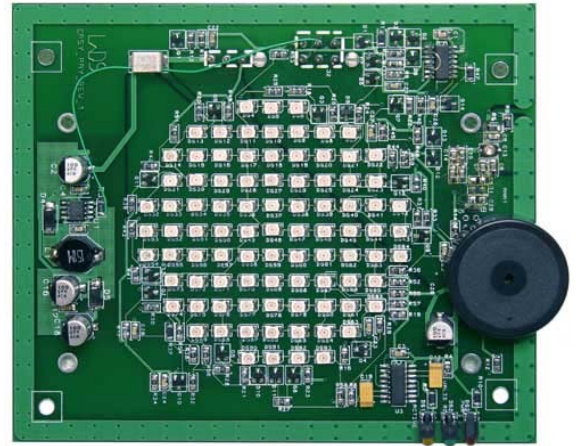




Latest Advanced Digital Solutions, Inc.

**RADIO
FREQUENCY
IDENTIFICATION
DEVICES**



LADS EPMPR-001

Data Sheet

Description

The EPMPR-001 READER is an intelligent radio frequency module, which provides all the RF, and control functions to communicate via high speed RS232 serial communications 13.56 MHZ in 15693 format including Tagit (TI) protocol. The EPMPR-001 is designed to operate using a TI DCMA controller or equivalent. The PCB Assy, uses a TI Multi-Protocol Reader, an integrated High frequency antenna, a high intensity light indicator array and an audio feedback piezo enunciator.

Specifications:

	<i>LADS EPMPR-001</i>
Operating Temperature	-20 to +70 ^o C
Storage Temperature	-40 to +85 ^o C
Relative Humidity	500 hours at 80% humidity, non-condensing at 70 C
RF Transmit Frequency	13.56 MHZ uplink and downlink
Power Supply	5 Vdc, regulated +/- 5%
Typical Current Consumption	Average quiescent current 90ma Maximum current during read 250ma
Communications Interface	Serial Communications Interface (SCI), RS232
System Architecture	Point-to-point
Communications Parameters	56.7K baud, 8 data bits, no parity, 1 start bit, 1 stop bit
Communications Protocol	Serial Communications Protocol with DCB Protocol
Audible Feedback	Enunciator is automatically activated for Approx. 500ms after a valid Read
Antenna Impedance	50 ohm +/- 5
Antenna Loaded Q	10<Q<30
Transponder Types	13.56 MHZ T.I. Tag-it tag
Package	Mountable PCB via #6 (M3) PCB holes
Dimensions	(107.8mm x 127.4mm x 13.5 mm) ± 0.5mm
Light Array	Visual "Valid Read" implemented via a 90 LED array. LEDs are 400mcd, min. @120 degrees
Status LEDs	Red; Power On
	Yellow: Reader Active
	Green: Valid Read
Power Connector, J3	Standard three pin Amp Mini-Mate-N-Lok series
Signal Connector, J2	Standard six pin Amp Mini-Mate-N-Lok series

For more information, contact the sales office at (512) 415-8624. This contact information and product information can be found on our web site at: <http://www.ladsinc.com>

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