
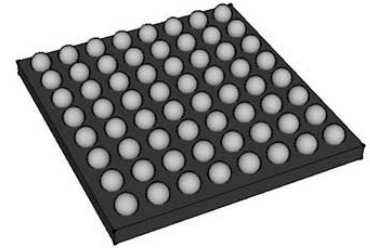


Dual Transmitter/Receiver RS-232 32-Pin BGA Tray

Manufacturer:	Analog Devices, Inc
Package/Case:	BGA
Product Type:	Drivers
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

The LTM2882 is a complete galvanically isolated dual RS232 μ Module[®] (micromodule) transceiver. No external components are required. A single 3.3V or 5V supply powers both sides of the interface through an integrated, isolated DC/DC converter. A logic supply pin allows easy interfacing with different logic levels from 1.62V to 5.5V, independent of the main supply.

Coupled inductors and an isolation power transformer provide 2500VRMS of isolation between the line transceiver and the logic interface. This device is ideal for systems with different grounds, allowing for large common mode voltages. Uninterrupted communication is guaranteed for common mode transients greater than 30kV/ μ s.

This part is compatible with the TIA/EIA-232-F standard. Driver outputs are protected from overload and can be shorted to ground or up to ± 15 V without damage. An auxiliary isolated digital channel is available. This channel allows configuration for half-duplex operation by controlling the DE pin.

Enhanced ESD protection allows this part to withstand up to ± 10 kV (human body model) on the transceiver interface pins to isolated supplies and across the isolation barrier to logic supplies without latch-up or damage.

Key Features

No external components required

High speed operation

No damage/latch-up to ± 10 kV HBM ESD on isolated RS232 interface or across isolation barrier

True RS232 compliant output levels

Application

Industrial, Communications & Networking, Test & Measurement

Recommended For You

LTM2884IY#PBF

Analog Devices, Inc

BGA44

LTI785CS8#PBF

Analog Devices, Inc

SOP8

LTM2886CY-5I#PBF

Analog Devices, Inc

BGA

LTC1344AIG

Analog Devices, Inc
SSOP24

LTC1955EUH

Analog Devices, Inc
QFN

LTC4307IDD-1#PBF

Analog Devices, Inc
DFN-8

LTM2894IY#PBF

Analog Devices, Inc
BGA

LTC4301LCMS8#PBF

Analog Devices, Inc
MSOP-8

LT1137ACSW#PBF

Analog Devices, Inc
SOP28

LTM2884CY#PBF

Analog Devices, Inc
BGA44

LTC490CN8#PBF

Analog Devices, Inc
DIP8

LTC4311HSC6#TRMPBF

Analog Devices, Inc
AN

LTC4300A-1CMS8#PBF

Analog Devices, Inc
MSOP8

LTC1334CSW#PBF

Analog Devices, Inc
SOP-28

LTM2884HY#PBF

Analog Devices, Inc
BGA-44