



Features

- Monitor and record serial data streams
- Easy in-line installation, may be left in place
- Transparent connections
- No external power required
- FCC, CE

Introduction

Model ULI-252D allows an RS-232 port to tap into and check data being transmitted between two other RS-232 ports. Tap into a serial data stream and transparently feed another monitor, printer or other device. The data tap connects the device, in series, with the RS-232 line to be tapped. DIP switches set programming to monitor the main Transmit and Receive lines individually or together. Choose between monitoring the DCE or DTE port. It also allows the monitoring port to be either DTE or DCE. The DTE connector is male, and DCE and "tap" connectors are female.

Specifications

Serial Technology

- **RS-232 Connectors** Straight-through ports: (1) DB9 male, (1) DB9 female
Monitoring port: (1) DB9 female

Mechanical

- **Enclosure** Plastic
- **Dimensions** 52.9 x 33.3 x 17.4 mm
- **Mounting** In-line installation
- **Weight** 63.5 gm

Environmental

- **Operating Temperature** 0 to +70 °C
- **Storage Temperature** -40 to +85 °C
- **Operating Humidity** 95%, non-condensing

Meantime Between Failures (MTBF)

- **Calculation Method** MIL217F Parts Count Reliability Prediction
- **MTBF** 3438790 hours

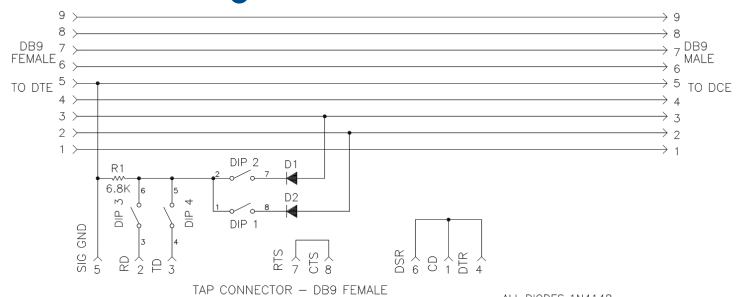
Regulatory/Approvals/Certifications

- **Approvals** FCC, CE
- **CE Standards**
 - EN 55011:2016+A2:2021 Class A Group 1
 - BS EN 55011:2016+A2:2021 Class A Group 1
 - CISPR 11:2015+AMD1:2016+AMD2:2019 Class A Group 1
 - EN 55032:2015+A1:2020 Class A
 - BS EN 55032:2015+A1:2020 Class A
 - CISPR 32:2015+AMD1:2019 Class A
 - EN IEC 61000-6-4:2019 / BS EN IEC 61000-6-4:2019
 - EN IEC 61000-3-2:2019+A1:2021 Class A / BS
 - EN IEC 61000-3-2:2019+A1:2021 Class A
 - EN 61000-3-3:2013+A2:2021 / BS EN 61000-3-3:2013+A2:2021
 - EN 55035:2017+A11:2020 / BS EN 55035:2017+A11:2020
 - EN IEC 61000-6-2:2019 / BS EN IEC 61000-6-2:2019
 - EN 61000-4-2:2009 / EN IEC 61000-4-3:2020 / EN 61000-4-4:2012
 - EN 61000-4-5:2014+A1:2017 / EN 61000-4-6:2014+AC:2015 / EN 61000-4-8:2010
 - EN IEC 61000-4-11:2020+AC:2020-06

Ordering Information

Model	Part Number to Order	Description
ULI-252D	BB-9PCDT	RS-232 Data Tap – 2 DB9F / 1 DB9M

Pin-out Diagram



TAP CONNECTOR – DB9 FEMALE

ALL DIODES 1N4148
REV1 – ADDED R1 FOR HIGHER BAUDRATE SUPPORT (UP TO 115.2K) NEWER PC HAD PROBLEM PULLING LINE DOWN OR TO –10V

Dimensions - ULI-252D

Unit = mm / in

