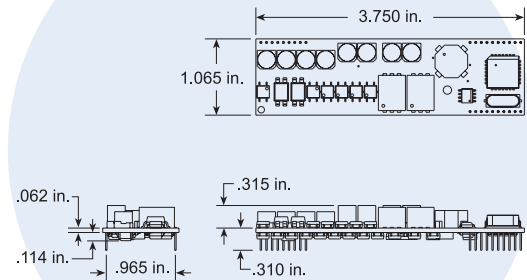# SocketSLIC®

Analog Telephony Interface Module

The SocketSLIC® interface module is a complete, ready-to-integrate isolated and programmable analog-to-PCM interface. It allows the user to choose the appropriate telephony interface when the system is configured either in manufacturing or in the field. This flexibility adds convenience, low cost and quick time to market to designing modern communication systems or updating existing telephony systems. The SocketSLIC interface module takes care of the many standard analog interfaces allowing the designer to focus on the digital design.

Features

- Analog port supports standard telephony interfaces
- Digital port supports standard TDM interfaces
- Control port supports standard serial interfaces
- Supports FXO, FXS, DPO, DPT, E&M, PLR, ETO, TO
- Loop-Start, Ground-Start, Direct-Inward-Dialing (DID)
- E&M Type I, II, III, IV and V signaling
- Two-wire and four-wire transmissions
- Supports Caller ID service and other CLASS services
- Provides loop-disconnect signals
- On-board ring generator and power supply
- Adjustable telecom battery voltage
- Adjustable transmit and receive levels
- Adjustable ringing voltage and ringing frequency
- FCC Part 68, CS-03, TBR21 approved
- No DIP switches or jumpers
- Single +5VDC supply voltage
- Low power consumption
- Small footprint

3.750 in.
1.065 in.
.062 in.
.114 in.
.965 in.
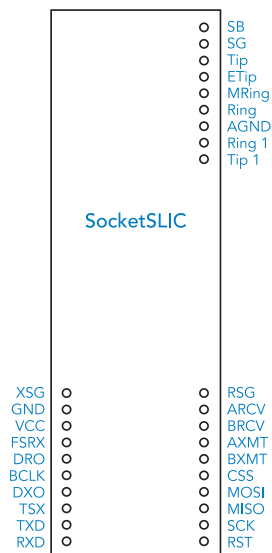.315 in.
.310 in.

MultiTech® Systems

Highlights

Applications. The flexible analog line card interface is ideal for:

- Automatic call distributors
- Digital loop carriers
- Fax boards
- Fax servers
- Fiber-in-the-loop
- Hybrid-fiber/Coax
- Key systems
- Modems
- Multiplexers
- PBX, PC-PBX, IP-PBX
- Remote terminals
- Voice processing boards
- VOIP gateways
- Wireless local loop

Module Interface Ports and Pins. The SocketSLIC interface module uses channel associated signaling (A and B bits) to control the analog interface. (It can be programmed to support unique interfaces per specific customer installation requirements.)

SocketSLIC

Pins (right column top): SB, SG, Tip, ETip, MRing, Ring, AGND, Ring 1, Tip 1

Left column bottom pins: XSG, GND, VCC, FSRX, DRO, BCLK, DXO, TSX, TXD, RXD

Right column bottom pins: RSG, ARCV, BRCV, AXMT, BXMT, CSS, MOSI, MISO, SCK, RST

Reduces Development Time. The SocketSLIC interface module actually provides faster time-to-market because it relieves the burden and expense of designing the analog interface. This complete, ready-to-integrate analog module allows you to enhance your product while you focus on developing its core features.

Who's Multi-Tech? Multi-Tech Systems is an ISO 9001:2000 certified global manufacturer of award-winning telephony, Internet, remote access and device networking products that connect voice and data over IP networks. Within a 34 year history inventing products known for their reliability and performance, Multi-Tech still employs the same mission from which the company was founded: to provide quality solutions that solve real business problems. To reinforce this philosophy, Multi-Tech prides itself on developing and fostering mutually beneficial long-term relationships with its worldwide network of technology partners, sales channels and customers.

Specifications

Ports Per Module
Analog Port: 1 (Telephony interface)
Digital Port: 1 (TDM interface)
Control Port: 1 (Serial interface)

Standard Telephony Interfaces
Foreign Exchange Subscriber (FXS): Loop-Start or Ground-Start
Foreign Exchange Office (FXO): Loop-Start or Ground-Start
Dial Pulse Originating (DPO): Direct-Inward-Dialing
Dial Pulse Terminating (DPT): Direct-Inward-Dialing
E&M Signaling (E&M): 2-wire or 4-wire, Type I-V
Pulse Link Repeater (PLR): 2-wire or 4-wire, Type I-V
Transmission Only (TO): 2-wire
Equalized Transmission Only (ETO): 4-wire

Standard TDM Interfaces
AT&T: Concentration Highway Interface
Multi-Vendor Integration Protocol (MVIP)
Mitel: ST-Bus
Siemens: PCM Highway

Standard Serial Interfaces
SPI Interface: 3-wire synchronous
UART Interface: 2-wire asynchronous

Power Requirements
Voltage: +5VDC
Tolerance: +/-5%
Current: 0.1 A maximum
Power: 0.5 W maximum

Dimensions
3.750" L x 1.065" W x 0.540" H
(9.525cm x 2.705cm x 1.372cm)

Environmental
Operating Temp: +32° to +104° F (0° to +40° C)
Storage Temp: -40° to +185° F (+4° to +85° C)
Humidity: 5% to 95% non-condensing

Approvals
CE Mark
EMC: FCC Part 15 Class A, EN 55022, EN 55024
Safety: UL 60950, EN 60950
Telecom: FCC Part 68, CS-03, TBR21

Ordering Information

Product	Description	Region
MTIFM	Telephony Interface Module	US/Can/Euro

Made in Mounds View, MN, U.S.A.

Features and specifications are subject to change without notice.

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