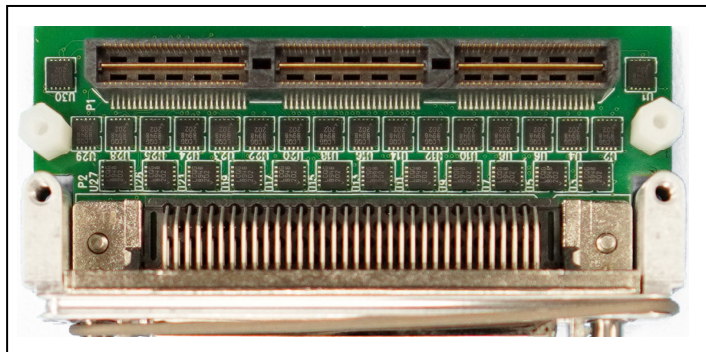


AXM FGA INTERFACE

30 DIFFERENTIAL RS-485 Channels WITH CONTROL AND TERMINATION

Features

- AXM interface board
- 30 Differentials Lines
- Direction Controlled by Channel
- RX 120 Ohm Terminators
- 20Mbps Maximum Data Rate
- No Damage or Latchup Up to $\pm 25\text{kV}$
- High Input Impedance Supports 256 Nodes
- Guaranteed Failsafe Receiver Operation Over the Entire Common Mode Range
- Compatible with TIA/EIA-485-A Specifications
- Fully Compatible with AXM-D02-JTAG
- Front Panel 68 pin SCSI Connector



Block Diagram and Operational Overview

The **AXM-DIFF30** is a high-performance AXM interface board designed to manage **30 differential signal lines**, with channel-specific direction control for enhanced flexibility. It supports **120 Ohm terminators** and achieves a **maximum data rate of 20 Mbps**, ensuring reliable and high-speed signal transmission. The board is engineered to withstand **$\pm 25\text{kV}$ protection against damage or latch-up**, and its high input impedance supports up to **256 nodes**, making it ideal for complex systems. Additionally, a **guaranteed failsafe receiver** ensures stable operation across the full common-mode range. The **AXM-DIFF30** is a **drop-in replacement for the AXM-D02-JTAG**, offering full compatibility with existing systems. It complies with **TIA/EIA-485-A specifications** and connects seamlessly via a **68-pin SCSI front panel connector**, providing a robust and reliable solution for high-speed differential signaling applications.

Ordering information	
Part Number	Description
AXM-DIFF30	AXM 30 differential channels Option (add following the part number) C (Conformal coat)
Optional Accessories	
CBL-SCSI68	68 Pins SCSI Cable 1M