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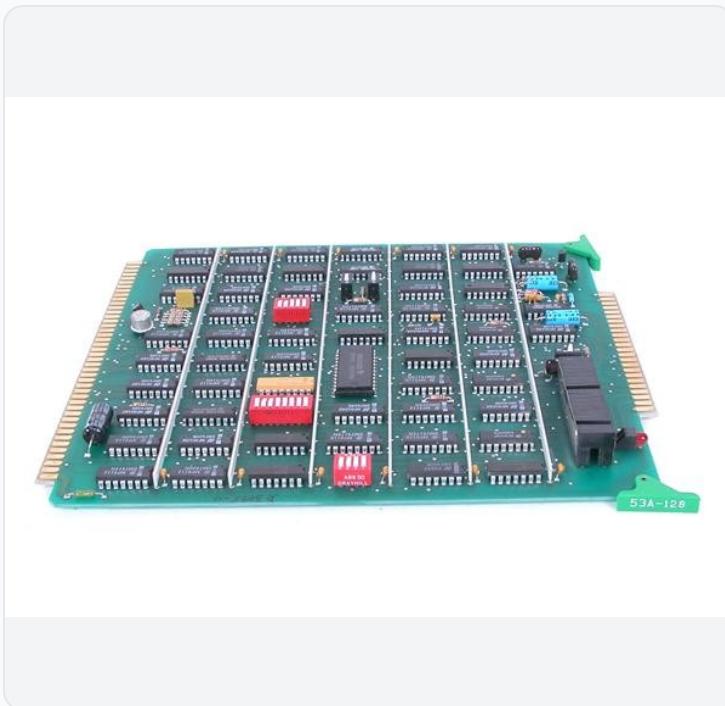
Data Sheet

August 15, 2026

AEROFLEX / TEKTRONIX / CDS

Aeroflex / Tektronix / CDS 53A-128 Communications Card (IEEE-488)

The Aeroflex / Tektronix / CDS 53A-128 is a communication card that uses the IEEE-488 interface standard. It allows devices to communicate with each other.

**MODEL****Aeroflex /
Tektronix / CDS
53A-128****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****53A-128****LISTING**[https://aumictechlabs.c
om/products/53a-128-
2/](https://aumictechlabs.com/products/53a-128-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Aeroflex / Tektronix / CDS 53A-128 Communications Card is an IEEE-488 (GPIB) interface module engineered for integration into the CDS 53/63 Series Card Cage system. This card functions as a communications translator and buffer between the IEEE-488 bus and the host system, enabling the entire chained card cage architecture to be recognized and controlled as a single IEEE-488 instrument compliant with IEEE Standard 488-1978. Technical Specifications Interface & Bus Protocol IEEE-488 (GPIB) standard with support for ATN, SRQ, EOI, NDAC, NRFD, DAV, REN, and IFC functions Data rates up to 1 Mbyte/sec Binary and block data transfer modes supported TTL-compatible logic levels Electrical Characteristics Power supply: 5 V dc (4.75 V dc to 5.25 V dc range) Maximum quiescent current: 0.72 A Peak current: 0.75 A Bus termination: 3 kΩ to Vcc and 6.2 kΩ to logic common on each of 16 signal lines Environmental Operating

temperature: 0 °C to +50 °C Storage temperature: -40 °C to +85 °C Humidity: Less than 95% RH, non-condensing Physical & Connectors IEEE-488 standard 24-pin connector for bus communication Front-edge connector for 53/63 Series Card Cage backplane integrationKey Features Power LED indicates system power status and flashes on data transmission/reception Listen LED illuminates when card is addressed to listen Integral translator and buffer architecture isolates IEEE-488 protocol from internal system bus Power supplied directly from card cage internal supply - no external power requiredTypical Applications Remote instrument control and data acquisition within automated test systems utilizing IEEE-488 bus architecture. Integration with multi-card test configurations requiring centralized GPIB interface management.Compatibility & Integration Designed exclusively for Aeroflex / Tektronix / CDS 53/63 Series Card Cage systems. Functions as a single instrument interface for chained card cage configurations.

53A128 Characteristics / Specifications

PARAMETER	VALUE
Model	53A-128
Instrument Type	IEEE-488 communications card
Bus Standard	IEEE-488
System Family	CDSbus 53/63 Series
Function	accepts commands and data from the system controller and buffers them for the 53/63 mainframe
Signal Levels	IEEE-488
Input Terminations	IEEE-488
Protocol	IEEE-488
Form Factor	printed circuit board assembly for 53/63 Series
Nsn	5998-01-297-0085
Manufacturer	Aeroflex Tektronix CDS
Literature	Aeroflex 53A-128 communications card listings and manual
Family	Aeroflex CDS 53A IAC cards
Brand Lineage	CDS Tektronix Aeroflex IFR Marconi
System Role	GPIB communications card for 53/63 mainframe
Use Case	ATE IEEE-488 interface
Documentation Type	OEM 53A-128 listing
Year Class	CDS 53/63 Series
Card Class	communications
Related Cards	53A-171 control, 53A-307 relay driver, 53A-522 DMM
Vendor Path	CDS Tektronix Aeroflex
Application Class	modular IAC ATE
Control Class	IEEE-488 system controller link
Companion Role	53/63 Series mainframe
Slot Class	CDSbus instrument card

PARAMETER	VALUE
Documentation Class	OEM 53A-128 manual

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Companion Role	53/63 Series mainframe
Slot Class	CDSbus instrument card

PARAMETER	VALUE
Documentation Class	OEM 53A-128 manual
Notes From Aeroflex/Tektronix/CDS 53A-128 listings (IEEE-488 communications card for 53/63 Series, NSN 5998-01-297-0085). Handshake timing and connector pinout are on the 53A-128 manual pages.	

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.