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Data Sheet

August 13, 2026

ASTRONICS / EADS / RACAL

Astronics / EADS / Racal 1260-35 High-Density Multiplexer Module

Astronics / EADS / Racal 1260-35 High-Density Multiplexer Module The Astronics / EADS / Racal 1260-35 is the base high-density scanner/multiplexer in the 1260-35 family (35 / 35A / 35B). It is a single-slot C-size VXIbus module user-configurable from a 1×96 two-wire multiplexer to sixteen 1×6 two-wire multiplexers, with intermediate 2×48, 4×24, and 8×12 class topologies plus four-wire and 1×192 one-wire scanner modes. Switching is up to 250 VDC and 1 A per channel with about 50 MHz bandwidth and low thermal offset. The base 1260-35 ships with ribbon-cable (IDC) mating connectors; 1260-35A uses crimp connectors. An additional relay selects high/low sides for 1×192 one-wire scanning. Option 01 or Option 01T provides control. The Astronics / EADS / Racal 1260-35 is the base high-density scanner/multiplexer in the 1260-35 family (35 / 35A / 35B). It is a single-slot C-size VXIbus module user-configurable from a 1×96 two-wire multiplexer to sixteen 1×6 two-wire multiplexers, with intermediate 2×48, 4×24, and 8×12 class topologies plus four-wire and 1×192 one-wire scanner modes. Switching is up to 250 VDC and 1 A per channel with about 50 MHz bandwidth and low thermal offset. The base 1260-35 ships with ribbon-cable (IDC) mating connectors; 1260-35A uses crimp connectors. An additional relay selects high/low sides for 1×192 one-wire scanning. Option 01 or Option 01T provides control. La


MODEL
**Astronics / EADS /
Racal 1260-35**
CALIBRATION
**Available on
request**
CONDITION
Used
STATUS
In stock
RFQ / SKU
1260-35
LISTING
<https://aumictechlabs.com/products/1260-35-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Astronics/EADS/Racal 1260-35 is a high-density scanner/multiplexer module delivering flexible signal routing for aerospace, defense, and test applications. This C-size VXIbus module supports ten configurable multiplexer architectures ranging from 1×96 two-wire to 1×192 one-wire arrangements, optimize channel count against wire configuration. Each channel handles up to 1 A at 250 VDC or VAC rms, with 30 W DC or 62.5 VA AC maximum switchable power. Bandwidth reaches 50 MHz general operation, with >15 MHz (–3 dB) in 1×48 configuration. The module exhibits exceptional signal integrity: <600 pF open-channel capacitance, <0.1 dB insertion loss at 100 kHz (1×6 config), and 15 MHz (–3 dB) for 1×48 configuration

Open Channel Capacitance: <600 pF
Insertion Loss: <0.1 dB at 100 kHz (1×6 configuration)
Crosstalk: <–90 dB at 100 kHz

Power Supply: +5 V at 0.4 A (2.8 A with Option 01)
Cooling: 4.0 l/s airflow required

Key Features
Ten user-selectable multiplexer configurations optimize density versus wire count
Low thermal offset and exceptional crosstalk isolation (<–90 dB)
Relay coil current monitoring for closed-loop confidence checking
Dual control options: message-based (Option 01) or message/register hybrid (Option 01T)
Two connector variants: IDC ribbon or crimp pin user interfaces

Typical Applications
Aerospace and defense test benches
Multi-channel signal routing and scanning
Mixed-signal measurement systems
Automated test equipment (ATE) platforms

Compatibility & Integration
Designed for VXIbus platforms. Requires adjacent smart card module (Option 01 or Option 01T) for control. Compatible with Racal Instruments legacy systems.

Features & description

From manufacturer datasheet

Features

- Base 1×96 two-wire high-density mux

1260 Characteristics / Specifications

PARAMETER	VALUE
Model	1260-35
Manufacturer	Astronics Test Systems / EADS / Racal Instruments
Instrument Type	High-density VXI multiplexer / scanner
Form Factor	C-size, single-slot VXI
Base Topology	1×96 two-wire scanner/multiplexer
Maximum Switching Voltage	250 VDC (250 VAC class listings)
Maximum Switching Current	1 A per channel
Bandwidth	about 50 MHz
Thermal Offset	low thermal EMF (family)
User Connector	ribbon cable / IDC mating (base 1260-35)
Ordering Family	404944 with configuration suffixes (e.g. -296 1×96)
Default Ship Configuration	often 1×192 one-wire unless specified
Control	Option 01 or Option 01T
Confidence Checking	relay coil current monitoring available
Analog Bus Access	jumper-selectable on many configurations
NSN Class	6625-01-408-6029 family
Operating Temperature Class	0 to 55 C (1260 series)
Related Variants	1260-35A (crimp); 1260-35B (B revision) Notes Specs from Racal/Astronics 1260-35 family datasheets and manuals. Confirm installed jumper configuration and IDC vs 35A crimp before fabricating cables. Do not confuse with 1260-38 (1×128 / 2 A class).
Operating temperature	Class: 0 to 55 C (1260 series)

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: 0 to 55 C (1260 series)
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Operating Temperature Class	0 to 55 C (1260 series)
Related Variants	1260-35A (crimp); 1260-35B (B revision) Notes Specs from Racal/Astronics 1260-35 family datasheets and manuals. Confirm installed jumper configuration and IDC vs 35A crimp before fabricating cables. Do not confuse with 1260-38 (1×128 / 2 A class).

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	
Specifications	
PARAMETER	VALUE
Model	1260-35
Manufacturer	Astronics Test Systems / EADS / Racal Instruments
Instrument Type	High-density VXI multiplexer / scanner
Form Factor: C-size, single-slot VXI	
Base Topology: 1x96 two-wire scanner/multiplexer	
Two-Wire Configurations: 16x6; 8x12; 4x24; 2x48; 1x96	
Four-Wire Configurations: 8x6; 4x12; 2x24; 1x48 class	
One-Wire Scanner: 1x192	
Specifications	
PARAMETER	VALUE
Maximum Switching Voltage	250 VDC (250 VAC class listings)
Maximum Switching Current	1 A per channel
Bandwidth	about 50 MHz
Thermal Offset: low thermal EMF (family)	
User Connector: ribbon cable / IDC mating (base 1260-35)	
Ordering Family: 404944 with configuration suffixes (e.g. -296 1x96)	
Specifications	
PARAMETER	VALUE
Default Ship Configuration	often 1x192 one-wire unless specified
Control	Option 01 or Option 01T
Confidence Checking	relay coil current monitoring available
Specifications	
PARAMETER	VALUE
Analog Bus Access	jumper-selectable on many configurations
NSN Class	6625-01-408-6029 family
Operating Temperature Class	0 to 55 C (1260 series)

Related Variants: 1260-35A (crimp); 1260-35B (B revision)

Notes

Specs from Racal/Astronics 1260-35 family datasheets and manuals. Confirm installed jumper configuration and IDC vs 35A crimp before fabricating cables. Do not confuse with 1260-38 (1x128 / 2 A class).

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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<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
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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.