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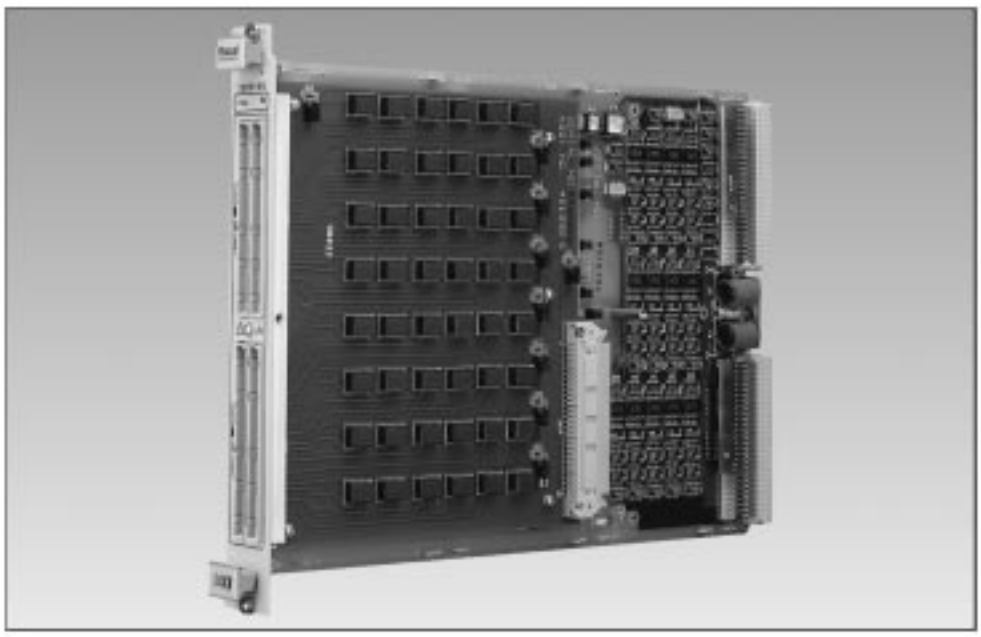
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Find the *Astronics / EADS / Racal 1260-35* at our website: ***Click HERE***

High-density Scanner/Multiplexer
Model 1260-35



- **User Configurable as Any of the Following Combinations:**
  - **One 1x96 multiplexer, 2-wire**
  - **Two 1x48 multiplexers, 2-wire**
  - **Four 1x24 multiplexers, 2-wire**
  - **Eight 1x12 multiplexers, 2-wire**
  - **Sixteen 1x6 multiplexers, 2-wire**
  - **One 1x48 multiplexer, 4-wire**
  - **Two 1x24 multiplexers, 4-wire**
  - **Four 1x12 multiplexers, 4-wire**
  - **Eight 1x6 multiplexers, 4-wire**
  - **One1x192 multiplexer, 1-wire**
- **50MHz Bandwidth**
- **Low Thermal Offset**

The 1260-35 is a high-density scanner or multiplexer, ideal for applications with large switch requirements such as continuity testing, and audio or telephone line switching.

The 1260-35 can be user-configured in many ways, from a 1x96 two-wire to sixteen 1x6 two-wire multiplexers, switching up to 250 VDC and 1A per channel. An additional relay that selects between the high and low sides of the two-wire mode allows the 1260-35 to act as a 1x192 1-wire scanner.

The 1260-35A is supplied with crimp pin type user connectors, and the 1260-35 with ribbon cable type mating connectors.

Relay coil current monitoring is available to provide confidence checking which gives the user assurance of proper relay operation.

The 1260-35 is controlled by the Option 01 message-based interface which is explained in detail on the Smart Card Module page. All 1260 control features explained on that page are available to this module.

For your local Racal Instruments Sales Office see page 173.

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1260-35 Specifications

Maximum Switchable Voltage
(Terminal-Terminal or Terminal-Chassis)
250 VDC or VACrms
Maximum Switchable Current
Per Channel: 1A
Maximum Switchable Power
Per Channel: 30WDC, 62.5 VAC

DC PERFORMANCE

Path Resistance
<1.0Ω (1x96 configuration)
<0.5Ω (1x6 configuration)
Isolation
>7.5 x 10^8Ω

AC PERFORMANCE (into 50Ω)

Capacitance
Open Channel: <600 pF
(1x96 configuration)
Channel-Chassis: <200 pF
(1x96 configuration)
High-Low: <600 pF
(1x96 configuration)
Bandwidth(-3dB)
>15 MHz (1x48 configuration)
>50 MHz (1x6 configuration)
Insertion Loss
100kHz: < 0.1 dB (1x6 configuration)
1MHz: < 0.5 dB (1x6 configuration)
10MHz: < 1.0 dB (1x6 configuration)

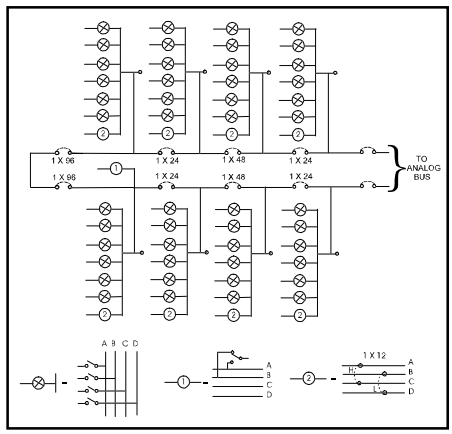
Crosstalk
100kHz: <-90 dB
1MHz: <-70 dB

VXIbus INTERFACE DATA

Cooling Requirements
Airflow: 4.0 liters/Sec
Back Pressure: 0.5 mm H_20
Power Requirements (I_{pm})
+5V: 0.4A (2.8A with Option 01 installed)
+24V: 10 mA per relay (energized)
Dimensions
C-size, Single-slot VXIbus Module
Weight
3.07 lb. (1.33 kg) without Option 01
3.35 lb. (1.51 kg) with Option 01
Typical Programming Syntax
Programming Syntax is in the form: "<module address >. <channel>"
Example: CLOSE 3.02
This CLOSE statement will close channel number 2 on the 1260-35 module at card address 3.

Note: Module is supplied with one set of mating connectors. Additional connectors can be ordered using the part number shown below. This module has two options: IDC (ribbon cable) or Crimp (discrete wire connectors).

CE The CE Mark indicates that the product has completed and passed rigorous testing in the area of RF Emissions, Immunity to Electromagnetic Disturbances and complies with European electrical safety standards.



Model 1260-35
96 two-wire channels configured as sixteen 1x6 multiplexers.

ORDERING INFORMATION

Model	Description	Part Number
1260-35	2-Wire, 1x96 Multiplexer with IDC connectors	404944
1260-35A	2-Wire, 1x96 Multiplexer with crimp connectors	404944-001
Option 01*	Smart Control Module (installed)	OPT-401901-005
602004	64-pin Din Connector IDC (4 supplied)	602004
602159-064	64-pin Din Connector Crimp Body (4 supplied with -A)	602159-064
602159-900	64-pin Din Connector Crimp Pin (256 supplied with -A)	602159-900
990897	Crimp Tool for 602159-900	990897
990898	Insertion Tool for 602159-900	990898
990899	Extraction Tool for 602159-900	990899

*One Option 01 must be ordered with switch system. Please specify the card on which Option 01 will be installed.

For your local Racal Instruments Sales Office see page 173.
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