

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

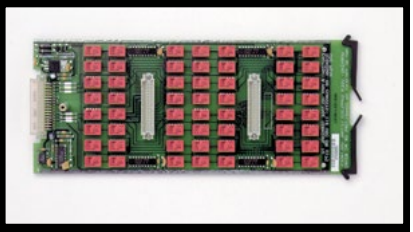
Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *Keithley / MetraByte 7018-ST* at our website: *Click HERE*

7018-C
7018-S

28-channel 3-Pole Multiplexer



- **Dual 1×14 (28-channel) multiplexer for 3- or 6-pole operation**
- **Connects to 7001/7002 backplane for easy expandability**

Ordering Information

7018-C	**Quad 1×10 Multiplexer with 96-pin Mass Terminated Connector Board**
7018-S	**Dual 1×14 Multiplexer with Screw Terminal Connector Board**

The Model 7018 28-channel multiplexer has two independent banks of 1×14 switching. Each channel is 3-pole. The two banks can be combined for a variety of different switching configurations. Used separately, they provide a dual 1×14 3-pole configuration. Onboard jumpers can connect the outputs together for a single 1×28 3-pole arrangement. Both the 7001 and 7002 switch systems can use the two banks in parallel for 6-pole operation in a 1×14 configuration.

MULTIPLEX CONFIGURATION: 2 independent 1×14 3-pole multiplex banks or one 1×14 6-pole multiplexer. Jumpers can be removed to isolate any bank from the backplane.

CONTACT CONFIGURATION: 3-pole Form A.

CONNECTOR TYPE: 7018-C: 96-pin male DIN connector.
7018-S: Screw terminal, #16AWG maximum wire size, with 0.092 inch O.D. 28 conductors per card maximum. #22AWG typical wire size with 0.062 inch O.D. 90 conductors per card maximum.

MAXIMUM SIGNAL LEVEL: DC Signals: 110V DC between any two pins, 1A switched, 30VA (resistive load).
AC Signals: 125V rms or 175V AC peak, between any two pins, 1A switched, 60VA (resistive load).

COMMON MODE VOLTAGE: 175V peak, any pin to chassis.

CONTACT LIFE: Cold Switching: 10^8 closures.
At Maximum Signal Levels: 10^5 closures.

CHANNEL RESISTANCE (per conductor): <1.5Ω.

CONTACT POTENTIAL: <5μV per single contact.

OFFSET CURRENT: <100pA.

ACTUATION TIME: 3ms.

CROSS TALK (1MHz, 50Ω Load): Bank: <–40dB.
Channel: <–40dB.

ISOLATION: Bank: $>10^9$Ω, <25pF.
Channel to Channel: $>10^9$Ω, <50pF.
Differential: Configured as 1×14 $>10^9$Ω, <100pF.
Configured as 1×28 $>10^9$Ω, <200pF.
Common Mode: Configured as 1×14 $>10^9$Ω, <400pF
Configured as 1×28 $>10^9$Ω, <650pF.

INSERTION LOSS (50Ω Source, 50Ω Load): <0.2dB below 1MHz, <3dB below 2MHz.

RELAY DRIVE CURRENT (per channel): 59mA. (Maximum of 11 channels on at same time.)

EMC: Conforms to European Union Directive 89/336/EEC.

SAFETY: Conforms to European Union Directive 73/23/EEC (meets EN61010-1/IEC 1010).

ENVIRONMENT: Operating: 0°C to 50°C, up to 35°C at 80% RH.
Storage: –25°C to 65°C.

ACCESSORIES AVAILABLE

FOR 7018-C

7011-KIT-R	96-pin Female Connector Kit
7011-MTC-1	96-pin Mass Terminated Cable, Female to Female, 1m
7011-MTC-2	96-pin Mass Terminated Cable, Female to Female, 2m

FOR 7018-S

7018-ST	Extra Screw Terminal Connection Board

SERVICES AVAILABLE

7018-C-3Y-EW	1-year factory warranty extended to 3 years from date of shipment
7018-S-3Y-EW	1-year factory warranty extended to 3 years from date of shipment

7035



- **Great fit for low frequency telecom test**

Ordering Information

7035	**9 Bank 1×4 Multiplexer Switching Card**

Accessories Supplied

7011-KIT-R 96-pin Female Connector Kit

10MHz 1×4 Multiplexer Card

9 Independent 1×4 2-Pole Multiplexers

The Model 7035 9-Bank Multiplexer Card has nine 1×4 multiplexers. The switch contact configuration for each channel is 2-pole form A. The card's nine banks can be combined for a wide variety of switching configurations using external connections. This flexibility makes the Model 7035 well-suited for production testing of a variety of telecommunications products and systems and low power portable devices.

MULTIPLEX CONFIGURATION: 9 independent 1×4 2-pole multiplex banks.

CONTACT CONFIGURATION: 2-pole Form A (Hi, Lo).

CONNECTOR TYPE: 96-pin male DIN connector (7011-KIT-R mating connector included).

MAXIMUM SIGNAL LEVEL: 60V DC, 30V rms, 42V peak between any two inputs or chassis, 1A switched. 30VA (resistive load).

CONTACT LIFE: Cold Switching: 10^8 closures.
At Maximum Signal Levels: 10^5 closures.

CHANNEL RESISTANCE (per conductor): <1Ω.

CONTACT POTENTIAL: <2μV per channel contact pair. <5μV typical per single contact.

OFFSET CURRENT: <100pA.

ACTUATION TIME: 3ms.

ISOLATION:

Bank:	$>10^9$Ω, <25 pF.
Channel to Channel:	$>10^9$Ω, <50 pF.
Differential:	$>10^9$Ω, <100pF.
Common Mode:	$>10^9$Ω, <200pF.

CROSSTALK (1MHz, 50Ω Load): Bank: <–40dB.
Channel: <–40dB.

INSERTION LOSS (50Ω Source, 50 Load): <0.25dB below 1MHz, <3dB below 10MHz.

RELAY DRIVE CURRENT (per relay): 16mA.

ACCESSORIES AVAILABLE

7011-KIT-R	96-pin Female Connector Kit

SERVICES AVAILABLE

7035-3Y-EW	1-year factory warranty extended to 3 years from date of shipment

Use with 7001 and 7002 switch mainframes

SWITCHING AND CONTROL

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP