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GPIB/IEEE-488
SWITCHING MODULES & SYSTEMS
FROM PICKERING INTERFACES



Detailed Price and Technical Information On-Line

www.pickeringtest.com

pickering

Innovative Modular Test
from Pickering Interfaces

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This model list gives a complete and up to date breakdown of all IEEE-488.2/RS-232/Ethernet Standard Item Switching Systems, Modules and Accessories. Many further units are manufactured to special order, please contact sales office for further information.

Switching module data also includes switch and connector type where relevant. All models listed are currently manufactured, except for those units marked with an estimated availability date.

Getting Started With System 10/20

Below is a brief outline of what components you need to get your Pickering Switching System configured (all Switching Systems are preconfigured prior to shipping)

How To Use The Pickering GPIB/IEEE-488 Short Form Catalog

Choose the GPIB/IEEE-488 products of interest to you, then for further technical and pricing details please visit our web site www.pickeringtest.com.
You can easily find specific product information by accessing:

- Product directories, to browse the range.
- Search facility (using familiar Google-style searching).

Here you will find comprehensive datasheets, manuals, application notes, prices, drivers, forums, etc. on all Pickering GPIB products. Please contact any of our sales offices for additional literature or to discuss your application with a sales engineer.



3U System 10 Chassis
10-930A-001

To Choose Your System 10 Switching System you need the following components:

- System 10 Chassis (10-930A range)
- Power Supply Module (10-910A range)
- IEEE-488/RS-232/Ethernet Interface Module
- Your selection of System 10 switching modules



6U System 10/20
Chassis 20-935A-001

If Your Switching System requires a mix of System 10 & System 20 modules – No Problem! Use the 20-935A or 20-936A range of Mixed System 10/20 Cases. Your Mixed 10/20 Switching System will need the Following Components:

- System 10/20 Mixed Chassis (20-935A or 20-936A range)
- IEEE-488/RS-232/Ethernet Interface
- Power Supply Module (10-910A range)
- Your Selection of System 10 & 20 switching modules



3U System 10/20 Chassis 20-936A-001

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SYSTEM 10 & 20/IEEE-488/RS-232/ETHERNET PROGRAMMABLE SWITCHING SYSTEMS

Pickering Interfaces' Programmable Relay Switching Systems now offer the most comprehensive range of switching modules available today, ideal for Functional Test, Factory Automation and Data Acquisition applications. Switching Systems range from small low cost entry level through to very large high performance units with extensive built-in self test.

Our switching systems will switch from nanoVolts to 7.5 kiloVolts, D.C. to 65GHz, picoAmps to 40Amps and now includes Fiber Optic Switching. Models are programmable using a range of interfaces: **IEEE 488, RS-232 and Ethernet.**

System 10 & 20 have a wide range of switching cards, including General Purpose Relay, Digital I/O, Matrix, Multiplexer, RF, Microwave, Fiber Optic and Telecom. We can also include custom cabling, all assembled to customer's precise requirements.

All switching applications are different so visit our comprehensive web site or discuss your application with switching experts and call Pickering Interfaces today.



SYSTEM 20
IEEE-488/RS-232/Ethernet





SYSTEM 10
IEEE-488/RS-232/Ethernet

Look at the Advantages you get with Pickering Interfaces Switching Systems:

- ✔ Very Large Range of Switching Modules.
- ✔ IEEE-488, RS-232 and Ethernet Programming
- ✔ Comprehensive Range of Specialized Switching Modules e.g. Telecom, Fiber Optic, Matrix, High Voltage and Power.
- ✔ Very wide range of RF and Microwave Modules supporting 50 Ohm, 75 Ohm, 100 Ohm/ 120 Ohm balanced.
- ✔ Many modules feature Sophisticated Self Test with detailed error reporting down to relay level.
- ✔ All Reed Relays are manufactured by our sister company Pickering Electronics.
- ✔ Pickering Interfaces manufacture many customised switching modules.
- ✔ High Density Switching Modules.
- ✔ Pickering Switching Systems are installed in over 40 countries worldwide.

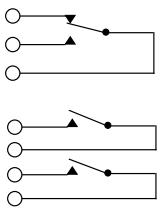
"Pickering – Experts in Switching Technology"

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SYSTEM 10/20 SW

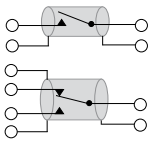
General Purpose Reed Relays

Range of Low Power Reed Relay Modules available in Normally Open or Changeover versions from 1 to 4 poles.



Screened Reed Relays

For Low Noise High Isolation Switching.

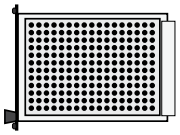


Power Switching

Power Switching for heavy current applications up to 30A at 240Va.c. or 40A at 100Vd.c.

Breadboards

For Your Custom Circuits. Suitable for applications where users need to build their own circuits into a System 10/20 Environment.



High Voltage

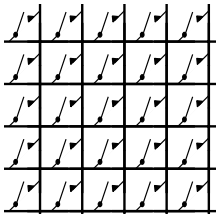
Large range of Switching Modules for use with voltages from 1kV up to 7.5kV, with Insulation Resistance to 10^{14}. Available in Matrix, Multiplexer and Relay format.

Digital Input/Output

Digital Input/Output Modules are used for controlling and detecting external devices, particularly relays.

Matrix

Matrix switching modules available with a choice of formats and switch types. Simple expansion using internal analogue bus to beyond 15,000 crosspoints with full Self Test support.



General Purpose Reed Relay Modules

10-110	8 x Single or Double Pole Changeover Reed Relay
10-115	8 x Double or Quad Pole Reed Relay
20-110	32 or 64 x Single Pole Changeover Reed Relay
20-115	32 or 64 x Single or Double Pole Reed Relay

Shielded Reed Relay Modules

10-120	8 x Changeover Shielded Reed Relay
10-125	8 x Double Pole Shielded Reed Relay
20-120	32 x Changeover Shielded Reed Relay
20-125	32 or 64 x Single Pole Shielded Reed Relay

General Purpose Relay Modules

20-130	32 or 64 x Double Pole Changeover Relay (200V, 2A)

Power Relay Modules

10-150	8 x Changeover Power Relay (12A SPDT)
20-150	16 x Power Relays (16A SPDT or 30A SPST)
20-160	32 or 64 x Power Relays (5A SPDT)

Breadboard Modules

10-220A	Breadboard With 16/32 Bit Input/Output
20-210A	Breadboard With 32/64/128 Bit Input/Output (Large User Area)

High Voltage Switching Modules – From 1kV up to 7.5kV

10-310	8 x SPST Reed Relay 1kV/1.5kV
10-315	8 Channel Multiplexer 1kV/1.5kV
10-320	7 x SPST Reed Relay 1.5kV/3kV
10-325	8 Channel Multiplexer 1.5kV/3kV
10-330	4 x SPST Reed Relay 3.5kV/5kV
20-310	16 x SPST/8 x SPDT Reed Relay 5kV/7.5kV
20-320	Dual 8 to 1 Multiplexer 5kV/7.5kV
20-330	Dual 24 to 1 Multiplexer 2kV
20-340	16 or 24 Channel Low Leakage Multiplexer 1.5kV (10^{14}Ohm)
20-350	32 x SPST Reed Relay 2kV/3kV
20-360	12 x 4 Low Leakage High Volts Matrix 1.5kV (10^{14}Ohm)

Digital Input/Output Modules

10-410A	16/32 Bit Digital I/O Module, TTL or Open Collector Transistor
20-410	32/64/128 Bit Digital I/O Module

Matrix Modules – With Expansion to Beyond 15,000 Crosspoints

10-510	8 x 4 Matrix, 1 or 2 Pole Switching
10-520	16 x 4 Matrix, 1 or 2 Pole Switching
10-530	8 x 8 Matrix, 1 or 2 Pole Switching
20-510A	20 x 12 Matrix With Self Test/Isolation Switching, 1 Pole
20-515A	20 x 8 Matrix With Self Test/Isolation Switching, 1 or 2 Pole
20-517A	10 x 8 Matrix With Self Test/Isolation Switching, 1 or 2 Pole
20-518A	20 x 4 Matrix With Self Test/Isolation Switching, 1 or 2 Pole
20-519A	40 x 4 Matrix With Self Test/Isolation Switching, 1 or 2 Pole
20-520	16 x 4 100MHz Matrix With Self Test/Isolation Switching, 50, 75 & 120 Ohm
20-525	8 x 8 100MHz Matrix With Self Test/Isolation Switching, 50, 75 & 120 Ohm
20-526	8 x 8 Switched Shield 100MHz Matrix With Self Test/Loop Thru, 50 & 75 Ohm
20-527	Dual 16 x 4 400MHz Matrix With Self Test/Isolation Switching, 50 & 75 Ohm
20-528	Dual 8 x 8 400MHz Matrix With Self Test/Isolation Switching, 50 & 75 Ohm
20-530A	56 x 6 Matrix With Self Test/Isolation Switching, 1 Pole
20-532A	32 x 16 Matrix With Self Test/Isolation Switching, 1 Pole
20-534A	64 x 4 Matrix With Self Test/Isolation Switching, 1 or 2 Pole
20-535A	32 x 10 Matrix With Self Test/Isolation Switching, 1 or 2 Pole
20-540	10 x 5, 20 x 5 or Single 10 x 10 Power Matrix, 1 or 2 Pole (5A or 8A)
20-550	High Pole Count Matrix (6, 8, 10, 16, 32 Pole Switching)

Key: ■ System 10 Item ■ System 20 Item

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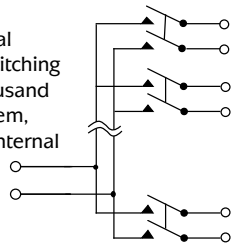
ITCHING SELECTOR

Multiplexer Modules – With Expansion to Beyond 10000 Channels

10-620A	8/16 Channel 2, 3 or 4 Pole Multiplexer
10-630A	Single/Dual 16/32/64 Channel 1, 2 or 4 Pole Multiplexer
10-640	Single/Dual 28/56/112 Channel 1, 2 or 4 Pole Multiplexer
10-670	16 Channel Low Thermal 2 Pole Multiplexer
20-610	Very High Density Universal Multiplexer (352 Pin 1, 2, 4 or 8 Pole)
20-620	Dual 8 to 1 (16 to 1) Low Noise High Isolation Multiplexer
20-630	Device Under Test (DUT) Multiplexer (128 Pin)
20-640	High Density Device Under Test (DUT) Multiplexer (384 Pin, 8,16, 32,64 Pole)

Multiplexers

Extensive range of general purpose multiplexers, switching from 8 up to several thousand channels within one system, simple expansion using internal analogue buses.



RF & Microwave Modules – 50, 75, 100 & 120 Ohm with Bandwidths to 65GHz

10-710A	4 x Changeover Switch, 3000MHz Bandwidth
10-740A	Dual 8 to 1 (Single 16 to 1) Multiplexer, 300MHz Bandwidth
10-780	2 or 4 x Changeover Switch, 26GHz Bandwidth
10-785	Single or Dual 6 to 1 Multiplexer, 26GHz Bandwidth
20-710A	8 or 16 x Changeover Switch, 4GHz Bandwidth
20-730	Dual/Quad 16 (Single 64/32 to 1) 120 Ohm Balanced Multiplexer, 500MHz
20-740A	Dual 8 (Single 16 to 1) Multiplexer, 2GHz Bandwidth
20-745	Quad 8 to 1 (Dual 16 to 1, Single 32 to 1) Multiplexer, 2GHz
20-750A	8 x 4 RF Matrix Module with Loop-Thru, 1.3GHz Bandwidth
20-770	Hex 4 to 1 Multiplexer, 4GHz Bandwidth
20-780	4, 8 or 12 x Changeover Switch, 65GHz Bandwidth
20-785	Dual or Quad 6 to 1 Multiplexer, 40GHz Bandwidth
20-790	Telecom Daisy Chain Tributary Switch, 8 Channel 155MBit/s
20-792	Telecom Daisy Chain Tributary Switch, 16 Channel 2MBit/s

RF, Microwave & Telecom

Choice of RF, Microwave & Telecom Modules arranged in matrix, multiplexer and relay formats. Suitable for building large RF Switching Networks. Available with 50, 75, 100 & 120 Ohm versions and choice of connectors (BNC, SMA, SMB, N, 1.0/2.3.....).

Fiber Optic Switching Modules

20-850	Single/Dual/Quad/Hex 4 Channel Fiber Optic Multiplexer Modules
20-852	Single/Dual/Triple 8 Channel Fiber Optic Multiplexer Modules
20-855	Dual/Quad/Hex 2 Channel Fiber Optic Multiplexer Modules
20-860	Dual/Quad/Hex/Octal Fiber Optic Insert/Bypass Switch Modules

Fiber Optic Switching

Broad range of Fiber Optic Switch cards for the Telecom and Network industry. Choice of wavelengths and connector type.

Support Modules & Enclosures

10-910A	100W Universal Power Supply Module (100 to 250V a.c.)
10-921	IEEE-488.2/RS-232 High Speed Interface Module
10-922	Ethernet/IEEE-488.2 Interface Module (supporting TCP/IP, SMNP,...)
10-930A	3U Full Width Rack Mountable System 10 Chassis
20-935A	6U System 10/20 Chassis
20-936A	3U System 10/20 Chassis

SYSTEM 10

Is intended for small to medium sized switching applications, where low entry price is important. System 10 offers a very wide range, switching modules typically containing from 4 up to 64 relays. System 10 is designed for price conscious applications and so does not contain the sophisticated performance, high density and self test of System 20



SYSTEM 20

High performance, high density range of switching modules. Offering sophisticated matrix, multiplexer, R.F. (50, 75, 100 or 120 Ohm) and high voltage switching. System 20 modules offer very high density and feature extensive self-test capability for added user confidence and straightforward maintenance. System 10 modules can be used in System



System 10/20 are available with IEEE-488, RS-232 and Ethernet Interfaces.

System 10/20 Configurations

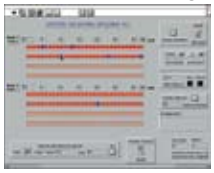
Any combination of switching modules may be mixed together in any of the three chassis types, suitable for either benchtop or rack mounting with access to the switching modules at either front or rear. When choosing a Pickering Switching system the following items are required: Chassis, Power Supply, Interface (IEEE-488, RS-232 or Ethernet) and your selection of switching modules.

System 10/20 Software Support



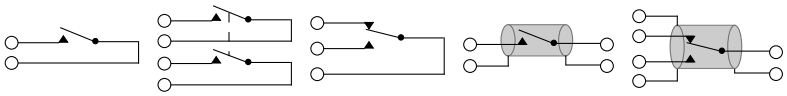
Pickering Interfaces realise the importance of supplying comprehensive software drivers for all of our switching systems.

We have free of charge drivers for LabView®, LabWindows/CVI® and Agilent VEE®, supporting both IEEE-488.2 and RS-232 interfaces. These allow you to easily use a Pickering Switching System with the software of your choice on the platform of your choice (Windows 3.1, 95, 98, 2000 NT or XP, Macintosh and the most popular Unix machines). Further information is available on our CD ROM and web site:



www.pickeringtest.com

Telecoms and RF Products are Shaded in Light Blue



Reed Relay Modules

10-110 General Purpose Reed Relay Modules

10-110-001	8 x Changeover Reed Relay	Dry Reed Switch	37 Way D-Type Connector
10-110-002	8 x Double Pole Changeover Reed Relay	Dry Reed Switch	62 Way D-Type Connector
10-115-022	8 x Double Pole Reed Relay	Ruthenium Reed Switch	37 Way D-Type Connector
10-115-024	7 x Quad Pole Reed Relay	Ruthenium Reed Switch	62 Way D-Type Connector

Alternative Connectors:

-T Terminal Block (Wago type) is available for most configurations (only suitable for voltages < 42 V d.c), e.g. 10-115-022-T.

NOTE: Mercury Wetted versions may be available. Please contact the factory for your requirement.

10-120 General Purpose Shielded Reed Relay Modules

10-120-001	8 x Changeover Shielded Reed Relay	Dry Reed Switch	62 Way D-Type Connector
10-125-022	8 x Double Pole Shielded Reed Relay	Ruthenium Reed Switch	62 Way D-Type Connector

Alternative Connectors:

-T Terminal Block (Wago type) is available for most configurations (only suitable for voltages < 42 V d.c), e.g. 10-120-001-T.

20-110 General Purpose Reed Relay Modules

20-110-001	32 x Changeover (SPDT) Reed Relay	Dry Reed Switch	4 x DIN 41612
20-110-101	64 x Changeover (SPDT) Reed Relay	Dry Reed Switch	4 x DIN 41612
20-115-021	32 x Single Pole (SPST) Reed Relay	Ruthenium Reed Switch	4 x DIN 41612
20-115-022	32 x Double Pole (DPST) Reed Relay	Ruthenium Reed Switch	4 x DIN 41612
20-115-121	64 x Single Pole (SPST) Reed Relay	Ruthenium Reed Switch	4 x DIN 41612
20-115-122	64 x Double Pole (DPST) Reed Relay	Ruthenium Reed Switch	4 x DIN 41612

NOTE: Mercury Wetted versions may be available. Please contact the factory for your requirement.

20-120 Shielded Reed Relay Modules

20-120-021	32 x Screened Changeover (SPDT) Reed Relay	Ruthenium Reed Switch	4 x DIN 41612
20-125-021	32 x Screened Single Pole (SPST) Reed Relay	Ruthenium Reed Switch	4 x DIN 41612
20-125-121	64 x Screened Single Pole (SPST) Reed Relay	Ruthenium Reed Switch	4 x DIN 41612

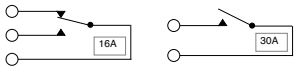
NOTE: Mercury Wetted versions may be available. Please contact the factory for your requirement.

20-130 DPDT Relay Modules

20-130-002	32 x Double Changeover (DPDT) Reed Relay	Electro-Mechanical Relay	4 x DIN 41612
20-130-102	64 x Double Changeover (DPDT) Reed Relay	Electro-Mechanical Relay	4 x DIN 41612

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Power Relay Modules



10-150 General Purpose Power Switching Modules (12A)

10-150-001	8 x Changeover Power Relay	Electro-Mechanical Relay	24 Way Multipole Connector

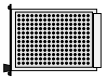
20-150 General Purpose Power Switching Modules (16A/30A)

20-150-001	16 x 16A SPDT	3 x CPC 22 Way Connectors
20-150-101	12 x 16A SPDT + 2 x 30A SPST	3 x CPC 22 Way Connectors
20-150-201	8 x 16A SPDT + 4 x 30A SPST	3 x CPC 16 Way Connectors
20-150-301	2 x 16A SPDT + 8 x 30A SPST	2 x CPC 7 Way + 1 x 22 Way Connectors

20-160 High Density Power Switching Modules (5A)

20-160-001	32 x 5A SPDT	4 x 50 Way D-Type Connectors
20-160-101	64 x 5A SPDT	4 x 50 Way D-Type Connectors

Breadboard Modules



10-220A Breadboard Modules – NEW Upgrade to 10-220 range

10-220A-001	Digital I/O Module, 16 Bits Out, 16 Bits In	2 x 37 Way D-Type Connector
10-220A-002	Digital I/O Module, 32 Bits Out, 0 Bits In	2 x 37 Way D-Type Connector
10-220A-003	Digital I/O Module, 0 Bits Out, 32 Bits In	2 x 37 Way D-Type Connector

Options:

-C	CMOS compatible logic.
-O	Open collector transistor output.

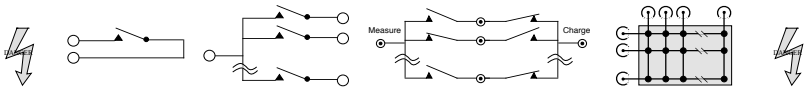
20-210A Breadboard Modules

20-210A-021	Breadboard Module with 2 x 16 Bit Input/Output	2 x 96 Way ZIF Connector
20-210A-022	Breadboard Module with 2 x 32 Bit Output	2 x 96 Way ZIF Connector
20-210A-023	Breadboard Module with 2 x 32 Bit Input	2 x 96 Way ZIF Connector
20-210A-041	Breadboard Module with 4 x 16 Bit Input/Output	2 x 96 Way ZIF Connector
20-210A-042	Breadboard Module with 4 x 32 Bit Output	2 x 96 Way ZIF Connector
20-210A-043	Breadboard Module with 4 x 32 Bit Input	2 x 96 Way ZIF Connector

Options:

-O	Open collector transistor output.

High Voltage Modules



10-300 High Voltage Switching Modules

10-310-001	8 x Normally Open 1kV Switching with 1.5kV Isolation (Dry Switch)	24 Way Multipole Connector
10-310-011	8 x Normally Open 1kV Switching with 1.5kV Isolation (Mercury Switch)	24 Way Multipole Connector
10-315-001	8 Channel Multiplexer 1kV Switching with 1.5kV Isolation (Dry Switch)	24 Way Multipole Connector
10-315-011	8 Channel Multiplexer 1kV Switching with 1.5kV Isolation (Mercury Switch)	24 Way Multipole Connector
10-320-001	7 x Normally Open 1.5kV Switching 3kV Isolation	15 Way High Voltage Multipole Connector
10-325-001	8 Channel Multiplexer 1.5kV Switching 3kV Isolation	15 Way High Voltage Multipole Connector
10-330-001	4 x Normally Open 3.5kV Switching 5kV Isolation	15 Way High Voltage Multipole Connector
10-330-101	4 x Normally Closed 3.5kV Switching 5kV Isolation	15 Way High Voltage Multipole Connector

20-310/20 High Voltage Switching Modules

20-310-001	16 x Normally Open Relay 3.5kV Switching with 5kV Isolation	3x15 Way HV Connector
20-310-011	16 x Normally Open Relay 5kV Switching with 7.5kV Isolation	3x15 Way HV Connector
20-310-201	8 x Changeover Relay 3.5kV Switching with 5kV Isolation	3x15 Way HV Connector
20-310-211	8 x Changeover Relay 5kV Switching with 7.5kV Isolation	3x15 Way HV Connector
20-320-001	Dual 8 to 1 Multiplexer 3.5kV Switching with 5kV Isolation	3x15 Way HV Connector
20-320-011	Dual 8 to 1 Multiplexer 5kV Switching with 7.5kV Isolation	3x15 Way HV Connector

20-330 High Voltage Multiplexer Modules

20-330-011	Dual 24 to 1 (48 to 1) H V Multiplexer	3kV Switching 4kV Isolation	4x15 Way HV Connector

20-340 High Voltage Guarded Multiplexer Modules

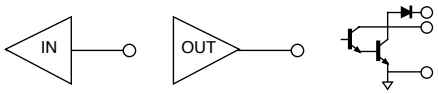
20-340-101	Single 24 to 1 Guarded H V Multiplexer	1.5kV Switching	BNC High Voltage Coaxial Connector
20-341-101	Single 16 to 1 Guarded H V Multiplexer	1.5kV Switching	BNC High Voltage Coaxial Connector

20-350A High Voltage Switching Modules (suitable for construction of custom HV networks)

20-350A-001	32 x Normally Open	2kV Switching 3kV Isolation	2 x 96 Way ZIF Connector
20-350A-101	24 x Normally Open + 8 x Normally Closed	2kV Switching 3kV Isolation	2 x 96 Way ZIF Connector

20-360 High Voltage Switching Modules (suitable for Semi-Conductor Wafer/Die testing)

20-360-101	12 x 4 Coax High Volatge Matrix	2kV Switching 3kV Isolation	HV Coax



Digital I/O Modules

10-410B Digital I/O Modules

10-410B-001	Digital I/O Module, 16 Bits Out, 16 Bits In	37 Way D-Type Connector
10-410B-002	Digital I/O Module, 32 Bits Out, 0 Bits In	37 Way D-Type Connector
10-410B-003	Digital I/O Module, 0 Bits Out, 32 Bits In	37 Way D-Type Connector

20-410 Digital I/O Modules

20-410-021	High Density Digital Module with 32 Bit Input/Output	2 x DIN 41612
20-410-022	High Density Digital Module with 64 Bit Output	2 x DIN 41612
20-410-023	High Density Digital Module with 64 Bit Input	2 x DIN 41612
20-410-041	High Density Digital Module with 64 Bit Input/Output	2 x DIN 41612
20-410-042	High Density Digital Module with 128 Bit Output	2 x DIN 41612
20-410-043	High Density Digital Module with 128 Bit Input	2 x DIN 41612

Options:

-O	Open collector transistor output.

Thinking of Upgrading.... how about PXI?

Pickering Interfaces offers an extensive range of switching solutions in the widely used PXI platform. Find out about PXI by requesting Pickering's PXI resource book, the PXImate, which is a free hard cover look at what is PXI, what is available from all PXI manufacturers, and some guidelines to efficiently build a test system.



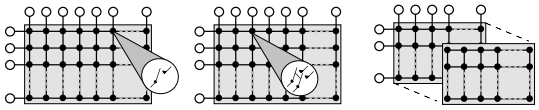
PXImate 4th Edition
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And now.... LXI Switching!

Pickering now offers you the opportunity to port our PXI switch solutions into the hot, new LXI test architecture. Our model 60-100 is a low cost way to define a switching only chassis that utilizes Ethernet as a controller. The 60-100 can implement any of our 400 plus PXI switching modules, along with the LXI advantages of web based configuration, automatic discovery, and many other standard features. Our web site has more information on the benefits of implementing LXI In your test station.



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Matrix Modules

10-510 8 x 4 Matrix Modules

10-510-021	8 x 4 Matrix, 1 Pole Switching	Ruthenium Reed Switch	2 x 37 Way D-Type Connector
10-510-022	8 x 4 Matrix, 2 Pole Switching	Ruthenium Reed Switch	2 x 37 Way D-Type Connector

NOTE: Mercury Wetted versions may be available. Please contact the factory for your requirement.

10-520 16 x 4 Matrix Modules

10-520-021	16 x 4 Matrix, 1 Pole Switching	Ruthenium Reed Switch	2 x 37 Way D-Type Connector
10-520-022	16 x 4 Matrix, 2 Pole Switching	Ruthenium Reed Switch	2 x 37 Way D-Type Connector

NOTE: Mercury Wetted versions may be available. Please contact the factory for your requirement.

10-530 8 x 8 Matrix Modules

10-530-021	8 x 8 Matrix, 1 Pole Switching	Ruthenium Reed Switch	2 x 37 Way D-Type Connector
10-530-022	8 x 8 Matrix, 2 Pole Switching	Ruthenium Reed Switch	2 x 37 Way D-Type Connector

NOTE: Mercury Wetted versions may be available. Please contact the factory for your requirement.

20-510A High Density Matrix Modules – With Automatic Isolation Switching & Self Test

20-510A-021	20 x 12 Matrix, 1 Pole Switching	Ruthenium Reed Switch	96 Way ZIF Connector
20-510-521	20 x 12 Co-Axial Single Pole Matrix	Ruthenium Reed Switch	50 Way BNC Coaxial
20-515A-021	20 x 8 Matrix, 1 Pole Switching	Ruthenium Reed Switch	96 Way ZIF Connector
20-515A-022	20 x 8 Matrix, 2 Pole Switching	Ruthenium Reed Switch	96 Way ZIF Connector
20-517A-021	10 x 8 Matrix, 1 Pole Switching	Ruthenium Reed Switch	96 Way ZIF Connector
20-517A-022	10 x 8 Matrix, 2 Pole Switching	Ruthenium Reed Switch	96 Way ZIF Connector
20-518A-021	20 x 4 Matrix, 1 Pole Switching	Ruthenium Reed Switch	96 Way ZIF Connector
20-518A-022	20 x 4 Matrix, 2 Pole Switching	Ruthenium Reed Switch	96 Way ZIF Connector
20-519A-021	40 x 4 Matrix, 1 Pole Switching	Ruthenium Reed Switch	2 x 96 Way ZIF Connector
20-519A-022	40 x 4 Matrix, 2 Pole Switching	Ruthenium Reed Switch	2 x 96 Way ZIF Connector

NOTE: Matrix Models 20-517 & 20-518 may later be upgraded to the corresponding version in the 20-515 range, upgrade is on a return to factory basis.

20-520 High Isolation RF Matrix Modules (50, 75, 100 & 120 Ohm) – With Isolation Switching & Self Test

20-520-521	16 x 4 Matrix, 1 Pole Switching, 100MHz	Ruthenium Reed Switch	50 Ohm BNC Coaxial
20-520-522	16 x 4 Matrix, 2 Pole Switching, 100MHz	Ruthenium Reed Switch	50 Ohm BNC (Switched Shield)
20-520-721	16 x 4 Matrix, 1 Pole Switching, 100MHz	Ruthenium Reed Switch	75 Ohm BNC Coaxial
20-520-722	16 x 4 Matrix, 2 Pole Switching, 100MHz	Ruthenium Reed Switch	75 Ohm BNC (Switched Shield)
20-520-802	16 x 4 Matrix, 2 Pole Switching, 50MHz	Telecom, Ruthenium Reed	2 x 50 Way D-Type Connector
20-522-521	8 x 4 Matrix, 1 Pole Switching, 100MHz	Ruthenium Reed Switch	50 Ohm BNC Coaxial Connector
20-522-522	8 x 4 Matrix, 2 Pole Switching, 100MHz	Ruthenium Reed Switch	50 Ohm BNC (Switched Shield)
20-522-721	8 x 4 Matrix, 1 Pole Switching, 100MHz	Ruthenium Reed Switch	75 Ohm BNC Coaxial Connector
20-525-521	8 x 8 Matrix, 1 Pole Switching, 100MHz	Ruthenium Reed Switch	50 Ohm BNC Coaxial Connector
20-525-522	8 x 8 Matrix, 2 Pole Switching, 100MHz	Ruthenium Reed Switch	50 Ohm BNC (Switched Shield)
20-525-721	8 x 8 Matrix, 1 Pole Switching, 100MHz	Ruthenium Reed Switch	75 Ohm BNC Coaxial Connector
20-525-722	8 x 8 Matrix, 2 Pole Switching, 100MHz	Ruthenium Reed Switch	75 Ohm BNC (Switched Shield)
20-525-802	8 x 8 Matrix, 2 Pole Switching, 50MHz	Telecom, Ruthenium Reed	2 x 50 Way D-Type Connector

Options:

-L All 20-520/22/25 Matrix Models are available with Loop-Thru capability, Option –L (e.g. 20-525-802-L), this is frequently used in the construction of large self terminating RF matrices.

20-527/28 Dual RF Matrix Modules (50 & 75 Ohm) – With Automatic Isolation Switching & Self Test

20-527-501	Dual 16 x 4 Matrix, 1 Pole, 400MHz	Ruthenium Reed Switch	50 Ohm SMB Coaxial
20-527-701	Dual 16 x 4 Matrix, 1 Pole, 400MHz	Ruthenium Reed Switch	75 Ohm SMZ/Type 43 Coaxial
20-527-741	Dual 16 x 4 Matrix, 1 Pole, 400MHz	Ruthenium Reed Switch	75 Ohm 1.0/2.3 Coaxial
20-528-501	Dual 8 x 8 Matrix, 1 Pole, 400MHz	Ruthenium Reed Switch	50 Ohm SMB Coaxial
20-528-701	Dual 8 x 8 Matrix, 1 Pole, 400MHz	Ruthenium Reed Switch	75 Ohm SMZ/Type 43 Coaxial
20-528-741	Dual 8 x 8 Matrix, 1 Pole, 400MHz	Ruthenium Reed Switch	75 Ohm 1.0/2.3 Coaxial

20-530A Very High Density Matrix-Modules – With Automatic Isolation Switching & Self Test

20-530A-021	56 x 6 Matrix, 1 Pole Switching	Ruthenium Reed Switch	96 Way ZIF Connector
20-532A-021	32 x 16 Matrix, 1 Pole Switching	Ruthenium Reed Switch	96 Way ZIF Connector
20-534A-021	64 x 4 Matrix, 1 Pole Switching	Ruthenium Reed Switch	2 x 96 Way ZIF Connector
20-534A-022	64 x 4 Matrix, 2 Pole Switching	Ruthenium Reed Switch	2 x 96 Way ZIF Connector
20-535A-021	32 x 10 Matrix, 1 Pole Switching	Ruthenium Reed Switch	2 x 96 Way ZIF Connector
20-535A-022	32 x 10 Matrix, 2 Pole Switching	Ruthenium Reed Switch	2 x 96 Way ZIF Connector

20-540 Power Matrix Modules

20-540-001	Single 10 x 5 Matrix, 1 Pole Switching	8A Power Relay	3 x 24 Way CPC Connector
20-540-002	Single 10 x 5 Matrix, 2 Pole Switching	5A Power Relay	3 x 24 Way CPC Connector
20-540-101	Dual 10 x 5 Matrix, 1 Pole Switching	8A Power Relay	3 x 24 Way CPC Connector
20-540-102	Dual 10 x 5 Matrix, 2 Pole Switching	5A Power Relay	3 x 24 Way CPC Connector
20-540-201	Single 10 x 10 Matrix, 1 Pole Switching	8A Power Relay	3 x 24 Way CPC Connector
20-540-202	Single 10 x 10 Matrix, 2 Pole Switching	5A Power Relay	3 x 24 Way CPC Connector
20-540-301	Single 20 x 5 Matrix, 1 Pole Switching	8A Power Relay	3 x 24 Way CPC Connector
20-540-302	Single 20 x 5 Matrix, 2 Pole Switching	5A Power Relay	3 x 24 Way CPC Connector

20-550 High Pole Count Matrix (6, 8, 10, 16 or 32 pole)

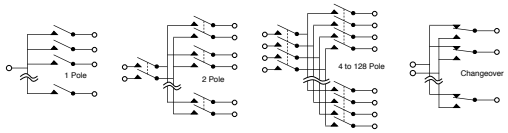
20-550-022	Matrix (standard capacity)	Ruthenium Reed Switch	2 x 96 Way DIN41612
20-550-501	Coax Matrix (standard capacity)	Coaxial Ruthenium Reed	2 x 96 Way DIN41612

The 20-550 standard capacity versions may contain up to 8 SIMM Relay Cards (up to 288 switch pins).
The cards will switch up to from 8 x 2 with 32 poles switching to 4 x 2 with 64 poles switching.

20-551-022	Matrix (high capacity)	Ruthenium Reed Switch	4 x 96 Way DIN41612
20-551-501	Coax Matrix (high capacity)	Coaxial Ruthenium Reed	4 x 96 Way DIN41612

The 20-551 high capacity versions may contain up to 12 SIMM Relay Cards (up to 384 switch pins).
The 20-550 range of high pole count matrix modules may ordered in a choice of configurations (refer to data sheet).

NOTE: Mercury Wetted versions may be available. Please contact the factory for your requirement.



Multiplexer Modules

10-610A 8 Channel Multiplexer Modules (Upgradeable to 16 or 32 Channel)

10-610A-024	8 Channel 4 Pole Multiplexer	Ruthenium Reed Switch	2 x 37 Way D-Type Connector
10-610A-025	8 Channel 5 Pole Multiplexer	Ruthenium Reed Switch	2 x 37 Way D-Type Connector
10-610A-124	8 Channel 4 Pole Multiplexer	Ruthenium Reed Switch	2 x 37 Way D-Type Connector (Front Panel Common)
10-610A-125	8 Channel 5 Pole Multiplexer	Ruthenium Reed Switch	2 x 37 Way D-Type Connector (Front Panel Common)

NOTE: Mercury Wetted versions may be available. Please contact the factory for your requirement.

10-620A 16 Channel Multiplexer Modules (Upgradeable to 32 Channel)

10-620A-022	16 Channel 2 Pole Multiplexer	Ruthenium Reed Switch	2 x 37 Way D-Type Connector
10-620A-023	16 Channel 3 Pole Multiplexer	Ruthenium Reed Switch	2 x 37 Way D-Type Connector
10-620A-024	16 Channel 4 Pole Multiplexer	Ruthenium Reed Switch	2 x 37 Way D-Type Connector
10-620A-122	16 Channel 2 Pole Multiplexer	Ruthenium Reed Switch	2 x 37 Way D-Type Connector (Front Panel Common)
10-620A-123	16 Channel 3 Pole Multiplexer	Ruthenium Reed Switch	2 x 37 Way D-Type Connector (Front Panel Common)
10-620A-124	16 Channel 4 Pole Multiplexer	Ruthenium Reed Switch	2 x 37 Way D-Type Connector (Front Panel Common)

NOTE: Mercury Wetted versions may be available. Please contact the factory for your requirement.

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10-630A Versatile Multiplexer Modules – Single (16, 32 or 64 Channel) or Dual (16 or 32 Channel)

10-630A-021	Low Density Multiplexer (32 Pins)	Ruthenium Reed Switch	2 x 37 Way D-Type Connector
10-630A-022	High Density Multiplexer (64 Pins)	Ruthenium Reed Switch	2 x 37 Way D-Type Connector
10-631A-021	Changeover Multiplexer (32 Pins)	Ruthenium Reed Switch	2 x 37 Way D-Type Connector

NOTE: Mercury Wetted versions may be available. Please contact the factory for your requirement.

10-640 High Density Versatile Multiplexer Modules – Single (28, 56 or 112 Channel) or Dual (28 or 56 Channel)

10-640-021	Low Density Multiplexer (56 Pins)	Ruthenium Reed Switch	2 x 62 Way D-Type Connector
10-640-022	High Density Multiplexer (112 Pins)	Ruthenium Reed Switch	2 x 62 Way D-Type Connector

10-670 Low Thermal EMF Multiplexer Modules

10-670-022	16 Channel Low Thermal 2 Pole MUX	Ruthenium Reed Switch	50 Way D-Type Connector

Analogue Backplane: Low density multiplexers (10-610/20/70) have the option to bring the analogue bus out on to either the internal analogue bus (option 0xx) or onto the front panel connector (option 1xx). Please note that most models (10-620A/30A/640) can be configured internally for either analogue bus connection.

20-610 Universal Multiplexer Modules

20-610-021	High Density Multiplexer, 176 Pins	Ruthenium Reed Switch
20-610-022	Very High Density Multiplexer, 352 Pins	Ruthenium Reed Switch

20-620 Low Noise High Isolation Multiplexer Modules

20-620-021	Dual 8 to 1 (16 to 1) Multiplexer 1 Pole	Ruthenium Reed Switch	BNC Coaxial
20-620-122	Dual 8 to 1 (16 to 1) Multiplexer 2 Pole	Ruthenium Reed Switch	BNC Twinax
20-620-222	Dual 8 to 1 (16 to 1) Multiplexer 2 Pole	Ruthenium Reed Switch	BNC Triax
20-620-322	Dual 8 to 1 (16 to 1) Multiplexer 2 Pole	Ruthenium Reed Switch	Audio XLR

NOTE: Mercury Wetted versions may be available. Please contact the factory for your requirement.

20-630A High Density D.U.T. Multiplexer Modules – Suitable for Burn-in Test Applications

20-630A-022	128 Pin D.U.T. Multiplexer	Ruthenium Reed Switch	2 x 96 Way ZIF Connector
20-630A-522	Combined D.U.T. Multiplexer/Common	Ruthenium Reed Switch	4 x 96 Way ZIF Connector
20-630A-901	128 Pole Analogue Common Module		2 x 96 Way ZIF Connector

The 20-630 range of high density multiplexers may be used with the 128 pole analogue bus backplane option, type 20-943-001.

20-640 Very High Density D.U.T. Multiplexer – Suitable for Burn-in Test Applications

20-640-022	DUT Multiplexer (standard capacity)	Ruthenium Reed Switch	4 x 96 Way DIN41612
20-640-501	Coax DUT Multiplexer (standard capacity)	Coaxial Ruthenium Reed	4 x 96 Way DIN41612

The 20-640 standard capacity versions may contain up to 8 SIMM Relay Cards (up to 288 switch pins).
The cards will switch from 32 channels 8 pole to 4 channels 64 pole.

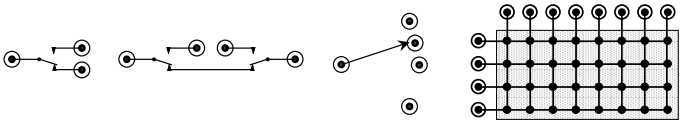
20-641-022	DUT Multiplexer (high capacity)	Ruthenium Reed Switch	6 x 96 Way DIN41612
20-641-501	Coax DUT Multiplexer (high capacity)	Coaxial Ruthenium Reed	6 x 96 Way DIN41612

The 20-641 high capacity versions may contain up to 12 SIMM Relay Cards (up to 384 switch pins).
The cards will switch from 48 channels 8 pole to 6 channels 64 pole.
The 20-640/641 range of very high density DUT multiplexers may be ordered in a choice of configurations (refer to data sheet).

NOTE: Mercury Wetted versions may be available. Please contact the factory for your requirement.

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RF modules (50 Ohm, 75 Ohm, 100 Ohm and 120 Ohm)



Pickering Interfaces manufacture a **very wide range of RF switching products** featuring:-
50 Ohm with bandwidths to 20, 26.5, 40, 50 or 65GHz. Suitable for General and Microwave applications
75 Ohm with bandwidths to 3GHz. Suitable for Telecommunications and Video applications.
100/120 Ohm balanced with bandwidths to 1000MHz. Suitable for LAN (10Mbit/100MBit), xDSL and other Telecommunications applications. We have considerable experience in RF switching, especially telecommunications based applications. So please contact Pickering to discuss your application with RF engineers.

10-710A RF Uncommitted Switching Modules (50 Ohm & 75 Ohm)

10-710A-504	4 x Changeover Switch, 3000MHz Bandwidth (1.8 Inch Panel Width)	50 Ohm BNC Coaxial Connector
10-710A-514	4 x Changeover Switch, 3000MHz Bandwidth (1.8 Inch Panel Width)	50 Ohm SMB Coaxial Connector
10-710A-524	4 x Changeover Switch, 3000MHz Bandwidth (1.8 Inch Panel Width)	50 Ohm SMA Coaxial Connector
10-710A-704	4 x Changeover Switch, 2000MHz Bandwidth (1.8 Inch Panel Width)	75 Ohm BNC Coaxial Connector
10-710A-714	4 x Changeover Switch, 2000MHz Bandwidth (1.8 Inch Panel Width)	75 Ohm SMZ/Type 43 Coaxial Connector
10-710A-744	4 x Changeover Switch, 2000MHz Bandwidth (1.8 Inch Panel Width)	75 Ohm 1.0/2.3 Coaxial Connector
-I	Insulated Shield, where all the shields are floating.	
-C	Alternative connectors are available on many modules, e.g. 75 Ohm mini SMB, etc, please consult factory.	

10-740A RF Multiplexer Modules (50 Ohm & 75 Ohm)

10-740A-501	Dual 8 to 1 (16 to 1) Multiplexer, 150MHz Bandwidth	50 Ohm BNC Coaxial Connector
10-740A-511	Dual 8 to 1 (16 to 1) Multiplexer, 150MHz Bandwidth	50 Ohm SMB Coaxial Connector
10-740A-701	Dual 8 to 1 (16 to 1) Multiplexer, 150MHz Bandwidth	75 Ohm BNC Coaxial Connector
10-740A-711	Dual 8 to 1 (16 to 1) Multiplexer, 150MHz Bandwidth	75 Ohm SMZ/Type 43 Coaxial Connector
10-740A-741	Dual 8 to 1 (16 to 1) Multiplexer, 150MHz Bandwidth	75 Ohm 1.0/2.3 Coaxial Connector

10-780 Microwave Switching Modules (50 Ohm & 75 Ohm)

10-780-522	2 x Changeover Switch, 20GHz Bandwidth	50 Ohm SMA Coaxial Connector
10-780-524	4 x Changeover Switch, 20GHz Bandwidth	50 Ohm SMA Coaxial Connector
10-780-532	2 x Changeover Switch, 26.5GHz Bandwidth	50 Ohm SMA Coaxial Connector
10-780-534	4 x Changeover Switch, 26.5GHz Bandwidth	50 Ohm SMA Coaxial Connector
10-780-542	2 x Changeover Switch, 40GHz Bandwidth	50 Ohm SMA-2.9 Coaxial Connector
10-780-544	4 x Changeover Switch, 40GHz Bandwidth	50 Ohm SMA-2.9 Coaxial Connector
10-780-552	2 x Changeover Switch, 50GHz Bandwidth	50 Ohm SMA-2.4 Coaxial Connector
10-780-554	4 x Changeover Switch, 50GHz Bandwidth	50 Ohm SMA-2.4 Coaxial Connector
10-780-562	2 x Changeover Switch, 65GHz Bandwidth	50 Ohm SMA-1.8 Coaxial Connector
10-780-564	4 x Changeover Switch, 65GHz Bandwidth	50 Ohm SMA-1.8 Coaxial Connector
10-780-543	3 x Changeover Power Relay, 12.4GHz Bandwidth	50 Ohm Type N Coaxial Connector
10-780-712	2 x Changeover Switch, 4GHz Bandwidth	75 Ohm SMZ/Type 43 Coaxial Connector
10-780-714	4 x Changeover Switch, 4GHz Bandwidth	75 Ohm SMZ/Type 43 Coaxial Connector

10-785 Microwave Switching Modules (50 Ohm & 75 Ohm)

10-785-521	Single 6 Channel Multiplexer, 20GHz Bandwidth	50 Ohm SMA Coaxial Connector
10-785-522	Dual 6 Channel Multiplexer, 20GHz Bandwidth	50 Ohm SMA Coaxial Connector
-T	Automatic Termination into 50 Ohm load (10-785 20GHz modules only)	
10-785-541	Single 6 Channel Multiplexer, 40GHz Bandwidth	50 Ohm SMA-2.9 Coaxial Connector
10-785-542	Dual 6 Channel Multiplexer, 40GHz Bandwidth	50 Ohm SMA-2.9 Coaxial Connector
10-785-752	Single 6 Channel Multiplexer, 4GHz Bandwidth	75 Ohm 1.6/5.6 Coaxial Connector
10-785-754	Dual 6 Channel Multiplexer, 4GHz Bandwidth	75 Ohm 1.6/5.6 Coaxial Connector

20-710 RF Uncommitted Switching Modules (50 Ohm & 75 Ohm)

20-710A-501	8 x Changeover Switch, 2GHz Bandwidth (1.8 Inch Width)	50 Ohm BNC Coaxial Connector
20-710A-511	8 x Changeover Switch, 3GHz Bandwidth (1.8 Inch Width)	50 Ohm SMA Coaxial Connector
20-710A-521	8 x Changeover Switch, 3GHz Bandwidth (1.8 Inch Width)	50 Ohm SMB Coaxial Connector
20-710A-701	8 x Changeover Switch, 1.3GHz Bandwidth (1.8 Inch Width)	75 Ohm BNC Coaxial Connector
20-710A-711	8 x Changeover Switch, 1.3GHz Bandwidth (1.8 Inch Width)	75 Ohm SMZ/Type 43 Coaxial Connector
20-710A-741	8 x Changeover Switch, 1.3GHz Bandwidth (1.8 Inch Width)	75 Ohm 1.0/2.3 Coaxial Connector
20-711-501	16 x Changeover Switch, 2GHz Bandwidth	50 Ohm BNC Coaxial Connector
20-711-511	16 x Changeover Switch, 3GHz Bandwidth	50 Ohm SMA Coaxial Connector
20-711-521	16 x Changeover Switch, 3GHz Bandwidth	50 Ohm SMB Coaxial Connector
20-711-701	16 x Changeover Switch, 1.3GHz Bandwidth	75 Ohm BNC Coaxial Connector
20-711-711	16 x Changeover Switch, 1.3GHz Bandwidth	75 Ohm SMZ/Type 43 Coaxial Connector
20-711-741	16 x Changeover Switch, 1.3GHz Bandwidth	75 Ohm 1.0/2.3 Coaxial Connector

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20-712-511	8 x Changeover Switch, 4GHz Bandwidth (1.8 Inch Width)	50 Ohm SMA Coaxial
20-712-521	8 x Changeover Switch, 4GHz Bandwidth (1.8 Inch Width)	50 Ohm SMB Coaxial

Options:

-I	Insulated Shield, where all the shields are floating.
-C	Alternative connectors are availbale on many modules, e.g. 75 Ohm mini SMB, etc please consult factory.

20-720 RF Transfer Switching Modules (50 Ohm & 75 Ohm)

20-720-501	8 x Transfer Switch, 1GHz Bandwidth (3.0 Inch Width)	50 Ohm BNC Coaxial Connector
20-720-511	8 x Transfer Switch, 3GHz Bandwidth (2.4 Inch Width)	50 Ohm SMA Coaxial Connector
20-720-521	8 x Transfer Switch, 3GHz Bandwidth (1.8 Inch Width)	50 Ohm SMB Coaxial Connector
20-720-701	8 x Transfer Switch, 1GHz Bandwidth (3.0 Inch Width)	75 Ohm BNC Coaxial Connector
20-720-711	8 x Transfer Switch, 2GHz Bandwidth (1.8 Inch Width)	75 Ohm SMZ/Type 43 Coaxial Connector
20-720-741	8 x Transfer Switch, 2GHz Bandwidth (1.8 Inch Width)	75 Ohm 1.0/2.3 Coaxial Connector
20-721-521	12 x Transfer Switch, 3GHz Bandwidth (2.4 Inch Width)	50 Ohm SMB Coaxial Connector
20-721-711	12 x Transfer Switch, 2GHz Bandwidth (2.4 Inch Width)	75 Ohm SMZ/Type 43 Coaxial Connector
20-721-741	12 x Transfer Switch, 2GHz Bandwidth (2.4 Inch Width)	75 Ohm 1.0/2.3 Coaxial Connector
20-722-521	16 x Transfer Switch, 3GHz Bandwidth (3.0 Inch Width)	50 Ohm SMB Coaxial Connector
20-722-711	16 x Transfer Switch, 2GHz Bandwidth (3.0 Inch Width)	75 Ohm SMZ/Type 43 Coaxial Connector
20-722-741	16 x Transfer Switch, 2GHz Bandwidth (3.0 Inch Width)	75 Ohm 1.0/2.3 Coaxial Connector

Options:

-I	Insulated Shield, where all the shields are floating.
-C	Alternative connectors are availbale on many modules, e.g. 75 Ohm mini SMB, etc please consult factory.

20-730 RF Multiplexer Modules (100/120 Ohm Balanced)

20-730-822	Dual 16 to 1 (32 to 1) MUX, 200MHz	Telecom, Ruthenium Reed	120 Ohm 2 x 50 Way D Type Connector
20-730-922	Dual 16 to 1 (32 to 1) MUX, 200MHz	Telecom, Ruthenium Reed	120 Ohm MMC Connector
20-731-822	Quad 16 to 1 MUX, 200MHz	Telecom, Ruthenium Reed	120 Ohm 4 x 50 Way D Type Connector

20-732 Switched Shield RF Multiplexer Modules (50 Ohm & 75 Ohm)

20-732-502	Quad 4 to 1 Switched Shield Multiplexer, 100MHz Bandwidth	Insulated 50 Ohm BNC Coaxial, 1.5kVd.c.
20-732-702	Quad 4 to 1 Switched Shield Multiplexer, 100MHz Bandwidth	Insulated 75 Ohm BNC Coaxial, 1.5kVd.c.

20-740 RF Multiplexer Modules (50 Ohm & 75 Ohm)

20-740-501	Dual 8 to 1 (16 to 1) Multiplexer, 1GHz Bandwidth (1.8Inch Panel Width)	50 Ohm BNC Coaxial Connector
20-740-511	Dual 8 to 1 (16 to 1) Multiplexer, 2GHz Bandwidth	50 Ohm SMA Coaxial Connector
20-740-521	Dual 8 to 1 (16 to 1) Multiplexer, 2GHz Bandwidth	50 Ohm SMB Coaxial Connector
20-740-701	Dual 8 to 1 (16 to 1) Multiplexer, 1GHz Bandwidth (1.8Inch Panel Width)	75 Ohm BNC Coaxial Connector
20-740-711	Dual 8 to 1 (16 to 1) Multiplexer, 1GHz Bandwidth (1.8Inch Panel Width)	75 Ohm SMZ/Type 43 Coaxial
20-740-741	Dual 8 to 1 (16 to 1) Multiplexer, 1GHz Bandwidth (1.8Inch Panel Width)	75 Ohm 1.0/2.3 Coaxial
20-740-751	Dual 8 to 1 (16 to 1) Multiplexer, 1GHz Bandwidth (1.8Inch Panel Width)	75 Ohm Mini SMB Coaxial

20-745 High Density RF Multiplexer Modules (50 Ohm & 75 Ohm)

20-745-501	Quad 8 to 1, Dual 16 to 1, Single 32 to 1 Multiplexer, 1.5GHz Bandwidth	50 Ohm SMB Coaxial
20-745-521	Quad 8 to 1, Dual 16 to 1, Single 32 to 1 Multiplexer, 1GHz Bandwidth	50 Ohm SMA Coaxial Connector
20-745-531	Quad 8 to 1, Dual 16 to 1, Single 32 to 1 Multiplexer, 1GHz Bandwidth	50 Ohm BNC Coaxial
20-745-701	Quad 8 to 1, Dual 16 to 1, Single 32 to 1 Multiplexer, 1.5GHz Bandwidth	75 Ohm SMZ/Type 43 Coaxial
20-745-731	Quad 8 to 1, Dual 16 to 1, Single 32 to 1 Multiplexer, 1GHz Bandwidth	75 Ohm BNC Coaxial
20-745-741	Quad 8 to 1, Dual 16 to 1, Single 32 to 1 Multiplexer, 1GHz Bandwidth	75 Ohm 1.0/2.3 Coaxial
20-745-751	Quad 8 to 1, Dual 16 to 1, Single 32 to 1 Multiplexer, 1GHz Bandwidth	75 Ohm Mini SMB Coaxial

For RF Matrix Modules with Bandwidths to 400MHz Please Refer To Page 9 & 10 (20-520 series)

20-750 RF Matrix Modules (50 Ohm & 75 Ohm) – With Loop-Through Switching

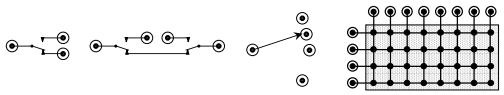
20-750-501	8 x 4 RF Matrix Module, 800MHz Bandwidth	50 Ohm BNC Coaxial Connector
20-750A-511	8 x 4 RF Matrix Module, 1.3GHz Bandwidth	50 Ohm SMA Coaxial Connector
20-750A-521	8 x 4 RF Matrix Module, 1.3GHz Bandwidth	50 Ohm SMB Coaxial Connector
20-750-701	8 x 4 RF Matrix Module, 800MHz Bandwidth	75 Ohm BNC Coaxial Connector
20-750-711	8 x 4 RF Matrix Module, 800MHz Bandwidth	75 Ohm SMZ/Type 43 Coaxial Connector
20-750-741	8 x 4 RF Matrix Module, 800MHz Bandwidth	75 Ohm 1.0/2.3 Coaxial Connector
20-750-751	8 x 4 RF Matrix Module, 800MHz Bandwidth	75 Ohm Mini SMB Coaxial Connector

20-770 RF/Microwave Modules (50 Ohm & 75 Ohm)

20-770-501	Hex 4 to 1 Multiplexer, 4GHz Bandwidth	50 Ohm SMB Coaxial
20-770-701	Hex 4 to 1 Multiplexer, 3GHz Bandwidth	75 Ohm SMZ/Type 43 Coaxial
20-770-741	Hex 4 to 1 Multiplexer, 3GHz Bandwidth	75 Ohm 1.0/2.3 Coaxial
20-770-751	Hex 4 to 1 Multiplexer, 3GHz Bandwidth	75 Ohm Mini SMB Coaxial
20-771-501	Triple 4 to 1 Multiplexer, 4GHz Bandwidth	50 Ohm SMB Coaxial
20-771-701	Triple 4 to 1 Multiplexer, 3GHz Bandwidth	75 Ohm SMZ/Type 43 Coaxial
20-771-741	Triple 4 to 1 Multiplexer, 3GHz Bandwidth	75 Ohm 1.0/2.3 Coaxial
20-771-751	Triple 4 to 1 Multiplexer, 3GHz Bandwidth	75 Ohm Mini SMB Coaxial

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Microwave Modules (50 Ohm and 75 Ohm)



20-780 Microwave Modules (50 Ohm & 75 Ohm)

20-780-524	4 x Changeover Relay, 20GHz Bandwidth	50 Ohm SMA Coaxial Connector
20-780-528	8 x Changeover Relay, 20GHz Bandwidth	50 Ohm SMA Coaxial Connector
20-780-512	12 x Changeover Relay, 20GHz Bandwidth	50 Ohm SMA Coaxial Connector
20-780-516	16 x Changeover Relay, 20GHz Bandwidth	50 Ohm SMA Coaxial Connector
20-780-534	4 x Changeover Relay, 26.5GHz Bandwidth	50 Ohm SMA Coaxial Connector
20-780-538	8 x Changeover Relay, 26.5GHz Bandwidth	50 Ohm SMA Coaxial Connector
20-780-544	4 x Changeover Relay, 40GHz Bandwidth	50 Ohm SMA-2.9 Coaxial Connector
20-780-548	8 x Changeover Relay, 40GHz Bandwidth	50 Ohm SMA-2.9 Coaxial Connector
20-780-554	4 x Changeover Relay, 50GHz Bandwidth	50 Ohm SMA-2.4 Coaxial Connector
20-780-558	8 x Changeover Relay, 50GHz Bandwidth	50 Ohm SMA-2.4 Coaxial Connector
20-780-564	4 x Changeover Relay, 65GHz Bandwidth	50 Ohm SMA-1.8 Coaxial Connector
20-780-568	8 x Changeover Relay, 65GHz Bandwidth	50 Ohm SMA-1.8 Coaxial Connector
20-780-714	4 x Changeover Relay, 4GHz Bandwidth	75 Ohm SMZ/Type 43 Coaxial Connector
20-780-718	8 x Changeover Relay, 4GHz Bandwidth	75 Ohm SMZ/Type 43 Coaxial Connector
20-780-712	12 x Changeover Relay, 4GHz Bandwidth	75 Ohm SMZ/Type 43 Coaxial Connector
20-780-716	16 x Changeover Relay, 4GHz Bandwidth	75 Ohm SMZ/Type 43 Coaxial Connector
20-781-543	3 x Changeover Power Relay, 12.4GHz Bandwidth	50 Ohm Type N Coaxial Connector
20-781-546	6 x Changeover Power Relay, 12.4GHz Bandwidth	50 Ohm Type N Coaxial Connector

20-785 Microwave Multiplexer Modules (50 Ohm & 75 Ohm)

20-785-522	Dual 6 Channel Multiplexer, 20GHz Bandwidth	50 Ohm SMA Coaxial Connector
20-785-524	Quad 6 Channel Multiplexer, 20GHz Bandwidth	50 Ohm SMA Coaxial Connector
-T	Automatic Termination into 50 Ohm load (20-785 20GHz modules only)	
20-785-532	Dual 6 Channel Multiplexer, 26.5GHz Bandwidth	50 Ohm SMA-2.9 Coaxial Connector
20-785-534	Quad 6 Channel Multiplexer, 26.5GHz Bandwidth	50 Ohm SMA-2.9 Coaxial Connector
20-785-542	Dual 6 Channel Multiplexer, 40GHz Bandwidth	50 Ohm SMA-2.9 Coaxial Connector
20-785-544	Quad 6 Channel Multiplexer, 40GHz Bandwidth	50 Ohm SMA-2.9 Coaxial Connector
20-785-752	Dual 6 Channel Multiplexer, 4GHz Bandwidth	75 Ohm 1.6/5.6 Coaxial Connector
20-785-754	Quad 6 Channel Multiplexer, 4GHz Bandwidth	75 Ohm 1.6/5.6 Coaxial Connector

Telecoms Modules (75 Ohm/120 Ohm)

20-790 155MBit Telecoms Daisy Chain Modules (75 Ohm)

20-790-711	8 Tributary Daisy-Chain Switch, Suitable for 155MBit/s Signal	75 Ohm SMZ/Type 43 Coaxial Connector
20-790-741	8 Tributary Daisy-Chain Switch, Suitable for 155MBit/s Signal	75 Ohm 1.0/2.3 Coaxial Connector
20-791-711	8 Tributary Daisy-Chain Switch + 8 Channel MUX	75 Ohm SMZ/Type 43 Coaxial Connector
20-791-741	8 Tributary Daisy-Chain Switch + 8 Channel MUX	75 Ohm 1.0/2.3 Coaxial Connector

20-792 2MBit Telecoms Daisy Chain Modules (75 Ohm)

20-792-701	16 Tributary Daisy-Chain Switch, Suitable for 2MBit/s Signal	75 Ohm BNC Coaxial Connector
20-792-711	16 Tributary Daisy-Chain Switch, Suitable for 2MBit/s Signal	75 Ohm SMZ/Type 43 Coaxial Connector
20-792-741	16 Tributary Daisy-Chain Switch, Suitable for 2MBit/s Signal	75 Ohm 1.0/2.3 Coaxial Connector

20-795 2MBit Telecoms Daisy Chain Modules (120 Ohm Balanced)

20-795-922	16 Tributary Daisy-Chain Switch, Suitable for 2MBit/s Signal	120 Ohm 64 Pole DIN41612 Connector

Pickering Interfaces Telecoms Switching Modules are used in conjunction with our range of 75 Ohm RF switching modules.

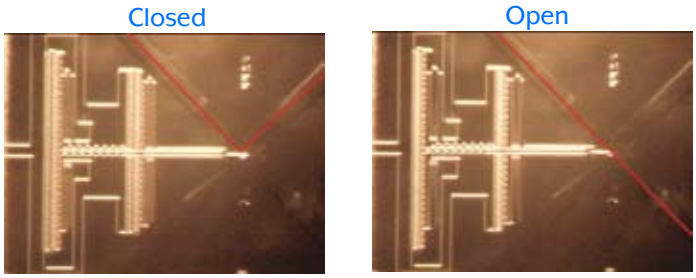
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Optical Switching Modules

Pickering Interfaces has a large range of Optical Switching Modules available with a choice of connectors (FC/APC, FC/PC, SC/PC, MU and LC), a choice of **single** or **multi-mode** type and a choice of switching configurations (1:2, 1:4, 1:8 and 2x2). Modules 20-850/852/855/860, use MEMS (micro-electro-mechanical systems) Mirror technology which offers much faster switching, very high reliability, greater packing densities and are significantly lower cost Pickering will construct custom optical systems to customers precise requirements.
Multi-mode modules have a choice of fiber dimensions (62.5 or 50) and also a choice of connectors styles, we are also able offer other fiber dimesions to order. Pickering Interfaces have a large range of electrical switching cards which can form a complete IEEE-488 based telecom switching solution.

MEMS Optical Switches

Pickering Interfaces Optical switching products utilise the latest in MEMS (Micro Electrical Mechanical Systems) technology. Devices so small they cannot be viewed directly with the naked eye. Offering faster switching times, greater repeatability, higher packing density and unmatched reliability compared with other opto-mechanical switching systems. These devices offer the user a range of flexible options in a variety of different connector types. For further information please visit the optical section of our web site.



High Magnification Pictures of the Open and Closed State of a Pickering MEMS Optical Switch

20-810 Prism Based Fiber Optic Multiplexer Modules

All 20-810 modules have now been superseded by equivalent models from the 20-850 range, these are all fucntionally equivalent, but lower cost and faster operation.

20-850 MEMS Fiber Optic 4 Channel Multiplexer Modules

20-850-014	Single 4 Channel Fiber Optic Multiplexer, 1200 to 1600nm	FC/APC Connectors
20-850-024	Dual 4 Channel Fiber Optic Multiplexer, 1200 to 1600nm	FC/APC Connectors
20-850-044	Quad 4 Channel Fiber Optic Multiplexer, 1200 to 1600nm	FC/APC Connectors
20-850-114	Single 4 Channel Fiber Optic Multiplexer, 1200 to 1600nm	FC/PC Connectors
20-850-124	Dual 4 Channel Fiber Optic Multiplexer, 1200 to 1600nm	FC/PC Connectors
20-850-144	Quad 4 Channel Fiber Optic Multiplexer, 1200 to 1600nm	FC/PC Connectors
20-850-214	Single 4 Channel Fiber Optic Multiplexer, 1200 to 1600nm	SC/PC Connectors
20-850-224	Dual 4 Channel Fiber Optic Multiplexer, 1200 to 1600nm	SC/PC Connectors
20-850-244	Quad 4 Channel Fiber Optic Multiplexer, 1200 to 1600nm	SC/PC Connectors
20-850-314	Single 4 Channel Fiber Optic Multiplexer, 1200 to 1600nm	MU (mini SC) Connectors
20-850-324	Dual 4 Channel Fiber Optic Multiplexer, 1200 to 1600nm	MU (mini SC) Connectors
20-850-344	Quad 4 Channel Fiber Optic Multiplexer, 1200 to 1600nm	MU (mini SC) Connectors
20-850-364	Hex 4 Channel Fiber Optic Multiplexer, 1200 to 1600nm	MU (mini SC) Connectors
20-850-414	Single 4 Channel Fiber Optic Multiplexer, 1200 to 1600nm	LC Connectors
20-850-424	Dual 4 Channel Fiber Optic Multiplexer, 1200 to 1600nm	LC Connectors
20-850-444	Quad 4 Channel Fiber Optic Multiplexer, 1200 to 1600nm	LC Connectors
20-850-464	Hex 4 Channel Fiber Optic Multiplexer, 1200 to 1600nm	LC Connectors
20-850-214-M	Single 4 Channel Fiber Optic Multiplexer, 700 to 1700 nm Multi-Mode	SC Connectors (50 or 62.5 diameter)
20-850-224-M	Dual 4 Channel Fiber Optic Multiplexer, 700 to 1700 nm Multi-Mode	SC Connectors (50 or 62.5 diameter)
20-850-244-M	Quad 4 Channel Fiber Optic Multiplexer, 700 to 1700 nm Multi-Mode	SC Connectors (50 or 62.5 diameter)
20-850-514-M	Single 4 Channel Fiber Optic Multiplexer, 700 to 1700 nm Multi-Mode	ST Connectors (50 or 62.5 diameter)
20-850-524-M	Dual 4 Channel Fiber Optic Multiplexer, 700 to 1700 nm Multi-Mode	ST Connectors (50 or 62.5 diameter)
20-850-544-M	Quad 4 Channel Fiber Optic Multiplexer, 700 to 1700 nm Multi-Mode	ST Connectors (50 or 62.5 diameter)

20-852 MEMS Fiber Optic 8 Channel Multiplexer Modules

20-852-018	Single 8 Channel Fiber Optic Multiplexer, 1200 to 1600nm	FC/APC Connectors
20-852-028	Dual 8 Channel Fiber Optic Multiplexer, 1200 to 1600nm	FC/APC Connectors
20-852-118	Single 8 Channel Fiber Optic Multiplexer, 1200 to 1600nm	FC/PC Connectors
20-852-128	Dual 8 Channel Fiber Optic Multiplexer, 1200 to 1600nm	FC/PC Connectors
20-852-218	Single 8 Channel Fiber Optic Multiplexer, 1200 to 1600nm	SC/PC Connectors
20-852-228	Dual 8 Channel Fiber Optic Multiplexer, 1200 to 1600nm	SC/PC Connectors
20-852-318	Single 8 Channel Fiber Optic Multiplexer, 1200 to 1600nm	MU (mini SC) Connectors

20-852-328	Dual 8 Channel Fiber Optic Multiplexer, 1200 to 1600nm	MU (mini SC) Connectors
20-852-338	Triple 8 Channel Fiber Optic Multiplexer, 1200 to 1600nm	MU (mini SC) Connectors
20-852-418	Single 8 Channel Fiber Optic Multiplexer, 1200 to 1600nm	LC Connectors
20-852-428	Dual 8 Channel Fiber Optic Multiplexer, 1200 to 1600nm	LC Connectors
20-852-438	Triple 8 Channel Fiber Optic Multiplexer, 1200 to 1600nm	LC Connectors
20-852-218-M	Single 8 Channel Fiber Optic Multiplexer, 700 to 1700 nm Multi-Mode	SC Connectors (50 or 62.5 diameter)
20-852-228-M	Dual 8 Channel Fiber Optic Multiplexer, 700 to 1700 nm Multi-Mode	SC Connectors (50 or 62.5 diameter)
20-852-518-M	Single 8 Channel Fiber Optic Multiplexer, 700 to 1700 nm Multi-Mode	ST Connectors (50 or 62.5 diameter)
20-852-528-M	Dual 8 Channel Fiber Optic Multiplexer, 700 to 1700 nm Multi-Mode	ST Connectors (50 or 62.5 diameter)

20-855 MEMS Fiber Optic 2 Channel (Changeover) Modules

20-855-022	Dual 2 Channel Fiber Optic Multiplexer, 1200 to 1600nm	FC/APC Connectors
20-855-042	Quad 2 Channel Fiber Optic Multiplexer, 1200 to 1600nm	FC/APC Connectors
20-855-062	Hex 2 Channel Fiber Optic Multiplexer, 1200 to 1600nm	FC/APC Connectors
20-855-122	Dual 2 Channel Fiber Optic Multiplexer, 1200 to 1600nm	FC/PC Connectors
20-855-142	Quad 2 Channel Fiber Optic Multiplexer, 1200 to 1600nm	FC/PC Connectors
20-855-162	Hex 2 Channel Fiber Optic Multiplexer, 1200 to 1600nm	FC/PC Connectors
20-855-222	Dual 2 Channel Fiber Optic Multiplexer, 1200 to 1600nm	SC/PC Connectors
20-855-242	Quad 2 Channel Fiber Optic Multiplexer, 1200 to 1600nm	SC/PC Connectors
20-855-262	Hex 2 Channel Fiber Optic Multiplexer, 1200 to 1600nm	SC/PC Connectors
20-855-322	Dual 2 Channel Fiber Optic Multiplexer, 1200 to 1600nm	MU (mini SC) Connectors
20-855-342	Quad 2 Channel Fiber Optic Multiplexer, 1200 to 1600nm	MU (mini SC) Connectors
20-855-362	Hex 2 Channel Fiber Optic Multiplexer, 1200 to 1600nm	MU (mini SC) Connectors
20-855-382	Octal 2 Channel Fiber Optic Multiplexer, 1200 to 1600nm	MU (mini SC) Connectors
20-855-422	Dual 2 Channel Fiber Optic Multiplexer, 1200 to 1600nm	LC Connectors
20-855-442	Quad 2 Channel Fiber Optic Multiplexer, 1200 to 1600nm	LC Connectors
20-855-462	Hex 2 Channel Fiber Optic Multiplexer, 1200 to 1600nm	LC Connectors
20-855-482	Octal 2 Channel Fiber Optic Multiplexer, 1200 to 1600nm	LC Connectors
20-855-222-M	Dual 2 Channel Fiber Optic Multiplexer, 700 to 1700 nm Multi-Mode	SC Connectors (50 or 62.5 diameter)
20-855-242-M	Quad 2 Channel Fiber Optic Multiplexer, 700 to 1700 nm Multi-Mode	SC Connectors (50 or 62.5 diameter)
20-855-262-M	Hex 2 Channel Fiber Optic Multiplexer, 700 to 1700 nm Multi-Mode	SC Connectors (50 or 62.5 diameter)
20-855-522-M	Dual 2 Channel Fiber Optic Multiplexer, 700 to 1700 nm Multi-Mode	ST Connectors (50 or 62.5 diameter)
20-855-542-M	Quad 2 Channel Fiber Optic Multiplexer, 700 to 1700 nm Multi-Mode	ST Connectors (50 or 62.5 diameter)
20-855-562-M	Hex 2 Channel Fiber Optic Multiplexer, 700 to 1700 nm Multi-Mode	ST Connectors (50 or 62.5 diameter)

20-860 MEMS Fiber Optic 2x2 Insert/Bypass Switch Modules

20-860-022	Dual 2x2 Insert/Bypass Fiber Optic Switch, 1200 to 1600nm	FC/APC Connectors
20-860-042	Quad 2x2 Insert/Bypass Fiber Optic Switch, 1200 to 1600nm	FC/APC Connectors
20-860-122	Dual 2x2 Insert/Bypass Fiber Optic Switch, 1200 to 1600nm	FC/PC Connectors
20-860-142	Quad 2x2 Insert/Bypass Fiber Optic Switch, 1200 to 1600nm	FC/PC Connectors
20-860-222	Dual 2x2 Insert/Bypass Fiber Optic Switch, 1200 to 1600nm	SC/PC Connectors
20-860-242	Quad 2x2 Insert/Bypass Fiber Optic Switch, 1200 to 1600nm	SC/PC Connectors
20-860-322	Dual 2x2 Insert/Bypass Fiber Optic Switch, 1200 to 1600nm	MU (mini SC) Connectors
20-860-342	Quad 2x2 Insert/Bypass Fiber Optic Switch, 1200 to 1600nm	MU (mini SC) Connectors
20-860-362	Hex 2x2 Insert/Bypass Fiber Optic Switch, 1200 to 1600nm	MU (mini SC) Connectors
20-860-382	Octal 2x2 Insert/Bypass Fiber Optic Switch, 1200 to 1600nm	MU (mini SC) Connectors
20-860-422	Dual 2x2 Insert/Bypass Fiber Optic Switch, 1200 to 1600nm	LC Connectors
20-860-442	Quad 2x2 Insert/Bypass Fiber Optic Switch, 1200 to 1600nm	LC Connectors
20-860-462	Hex 2x2 Insert/Bypass Fiber Optic Switch, 1200 to 1600nm	LC Connectors
20-860-482	Octal 2x2 Insert/Bypass Fiber Optic Switch, 1200 to 1600nm	LC Connectors
20-860-222-M	Dual 2x2 Insert/Bypass Fiber Optic Switch, 700 to 1700 nm Multi-Mode	SC Connectors (50 or 62.5 diameter)
20-860-242-M	Octal 2x2 Insert/Bypass Fiber Optic Switch, 700 to 1700 nm Multi-Mode	SC Connectors (50 or 62.5 diameter)
20-860-522-M	Dual 2x2 Insert/Bypass Fiber Optic Switch, 700 to 1700 nm Multi-Mode	ST Connectors (50 or 62.5 diameter)
20-860-542-M	Octal 2x2 Insert/Bypass Fiber Optic Switch, 700 to 1700 nm Multi-Mode	ST Connectors (50 or 62.5 diameter)

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Chassis, Interfaces and Power Supplies



10-910A Power Supply Modules

10-910A-001	Power Supply Unit (100W Universal 240/120Va.c. 50/60Hz). Front Access Version
10-910A-002	Power Supply Unit (100W Universal 240/120Va.c. 50/60Hz). Rear Access Version

10-920 Interface Modules (IEEE-488, RS-232, Ethernet)

10-920A-001	RS232/IEEE-488.2 Interface
10-921-001	RS-232-C/IEEE-488.2 Combined Interface Module (High Speed Version)
10-922A-001	Ethernet/IEEE-488 Interface Module, 10BaseT Adapter. Supports various protocols (TCP/IP, SMNP,....)
10-922-101	Ethernet Interface Module, 10BaseT Adapter. Supports various protocols (TCP/IP, SMNP,....)
10-925-001	Expansion Module (Not For New Designs, must be used in pairs together with 10-953 Expansion cable)

10-930A System 10 Rack Mountable Cases

10-930A-001	3U Full Width Rack Mountable Chassis	Front Loading Chassis
10-930A-002	3U Full Width Rack Mountable Chassis	Rear Loading Chassis
10-934A-001	6U Full Width Rack Mountable Chassis	Front Loading Chassis
10-934A-002	6U Full Width Rack Mountable Chassis	Rear Loading Chassis

10-940 System 10 Chassis Accessories

10-941-001	PCB Card Guide (System 10/20 Modules)
10-941-002	Plug-In Module Guide (System 10/20 Modules)
10-942-003	Blank Front Panel 3HP (3U), other sizes are available: -006 is 6HP, -012 is 12HP, -021 is 21HP
10-942-903	Earthing Stud Panel 6HP (3U)
10-944-012	Prototyping Module 12HP (3U), other sizes are available: -024 is 24HP, -042 is 42HP

20-935A System 10/20 Rack Mountable Cases

20-935A-001	6U System 10/20 Chassis. Front Access Version, split 50% for System 10 & 50% for System 20
20-935A-002	6U System 10/20 Chassis. Rear Access Version, split 50% for System 10 & 50% for System 20

Note: Other mixed system sizes are available to order (e.g. 75% System 10, 25% System 20).

20-936A-001	3U System 10/20 Chassis, Horizontal System 20 Module Mounting (max. width 1.8 Inch). Front Access Version
20-936A-002	3U System 10/20 Chassis, Horizontal System 20 Module Mounting (max. width 1.8 Inch). Rear Access Version

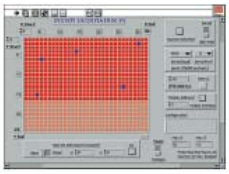
20-940 System 20 Chassis Accessories

20-942-003	Blank Front Panel 3HP (6U), other sizes are available: -006 is 6HP, -012 is 12HP, -021 is 21HP
20-942-906	Earthing Stud Panel 6HP (6U)
20-943-001	128 Pole Shielded Analogue Bus Backplane (use only with 20-630 multiplexer modules).
20-943-501	12 Pole RF Analogue Bus Backplane (use only with 20-520 series multiplexer modules). This replaces the 24 pole backplane usually fitted in System 20 cases.
20-944-012	Prototyping Module 12HP (6U), other sizes are available: -024 is 24HP, -042 is 42HP

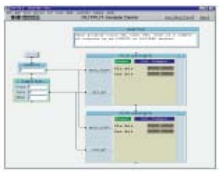
Software Drivers



LabWindows/CVI



LabView



Agilent VEE

Software Support – Drivers Supporting all System 10/20 Modules (All Software drivers are on the Pickering CD ROM & web site)

LabWindows/CVI® Instrument Module For Windows	Web Site/CD ROM
LabView® VI For Windows	Web Site/CD ROM
VEE® Driver For Windows	Web Site/CD ROM

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Pickering Interfaces understands that just providing the switching and instrumentation modules is not enough, users need to be provided with fast and effective ways of connecting their investment to the device under test.

The cards in the Pickering Interfaces System 10/20 series GPIB/IEEE-488 range are supported by a comprehensive range of connector and cable accessories. The accessories are detailed in the 72 page Interconnection Solutions Catalog available in paper or downloadable format.

- **Connectors & Prototyping Cables For Pickering GPIB/IEEE-488, PCI, PXI and LXI Modules.**
  Comprehensive range of mating connectors for all Pickering PCI, PXI and LXI modules, including suggestions for suitable wire types.
- **Cable assemblies For Pickering Interfaces GPIB/IEEE-488, PCI, PXI and LXI.**
  Pickering Interfaces offer a range of standard cables, providing a means of connecting your DUT to any Pickering Interfaces PCI, PXI or LXI module.
- **Connector Blocks & Breakouts For Pickering GPIB/IEEE-488, PCI, PXI and LXI Modules**
  Pickering have a good selection of Connector Blocks and Breakouts for most PCI, PXI and LXI modules.
- **Fuse Holders and Terminals For GPIB/IEEE-488, PCI, PXI and LXI.** We offer a range of DIN rail mounted Fuse Holders and Terminals, providing a means of building and protecting your test system.
- **Custom Connectors & Cabling** can be made to special order, please contact Pickering sales office to discuss your application.







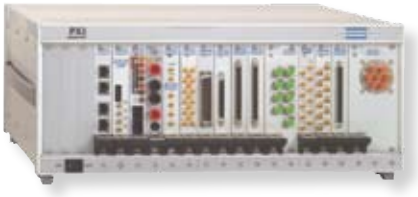


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OVERVIEW OF SWITCH & INSTRUMENT SYSTEMS FROM PICKERING INTERFACES

Pickering have been manufacturing Modular Switching & Instrumentation systems since 1988. Our sister company Pickering Electronics have manufactured instrumentation quality reed relays since the late 1960's. Pickering Interfaces design & manufacture solutions for all major modular Test platforms including PXI, GPIB, PCI, VXI and in 2005 LXI, we also manufacture many customer solutions and have a wide range of connector/cabling designed for the demanding Functional Test user.

PXI Switch, Instrument & Systems – SYSTEM 40



Pickering have a full range of competitively priced 3U & 6U PXI (CompactPCI) Switch Cards, including Relay, Digital I/O, Matrix, Multiplexer, RF, Microwave, Optical and Telecom, our 3U PXI matrix modules offer up to 4400 crosspoints per module.

Pickering PXI Instruments include Arbs, Amplifiers, Digitizers, Automotive Serial Protocol Communications, 5½, 6½ & 7½ DMMs, Power Supplies, RF Power Meters, RF Attenuators, Programmable Resistor/Potentiometers, Avionics Bus Analyzers, Breadboards & Digital I/O. We are continually adding to our PXI range (over 500 models), so if the product you require is not listed please ask.

LXI Instruments (LAN eXtensions for Instrumentation), LXI – SYSTEM 60

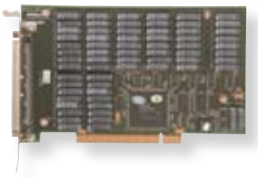


Pickering Interfaces are Strategic members of the LXI Consortium, www.lxistandard.org. LXI is the next generation of test instrumentation combining state-of-the-art measurements in a small package at a cost-effective price using enhanced Ethernet connectivity and built in Triggering.

PCI Switch Cards – SYSTEM 50



Pickering Interfaces have a range of competitively priced PCI switch cards, including General Purpose Reed Relay, Matrix, Multiplexer, RF & Programmable Resistor. Pickering Interfaces PCI cards share the same software environment as our extensive PXI range.



VXI Switching System Modules – SYSTEM 30



Pickering Interfaces have a range of high density VXI switching modules, System 30, containing up to 2340 relays per module. These are C sized modules with a SCPI message based interface, VXI Plug/Play & IVI Drivers, offering up to 10 times density advantage over competing VXI switching products.



GPIB/IEEE-488.2 & RS-232 Controlled Switching Systems – SYSTEM 10/20

Pickering Interfaces' System 10 and System 20 Programmable Relay Switching Systems now offer the most comprehensive range of switching modules currently available. Our switching systems will switch from nanoVolts to 7.5 kiloVolts, D.C. to 26.5GHz and picoAmps to 30Amps. Models are programmable using a wide range of interfaces: IEEE 488, Ethernet, USB or RS-232.





Custom Switching Solutions

Pickering Interfaces are able to meet your exact custom switching needs. With extensive experience in PXI, PCI, VXI, IEEE-488, and Ethernet architectures, we can develop a switching solution that matches your exact needs. For further information please visit the Custom Design area of the "Sales" section of our web site or call your local Pickering Sales office.

"A Switching Module Is Only As Good As The Relays Used"



Ruthenium Sputtered Reed Relays offer maximum performance, are hermetically sealed and offer a very stable, long life relay contact (>10^9 operations) with fast operate time. Alternative cheaper types such as electro-mechanical armature relays or non-instrumentation grade reed relays (Rhodium plated) don't offer the consistent contact resistance, long life, fast switching speed and low level switching capability of an instrumentation reed relay. All reed relays used in our switch modules are manufactured by our sister company Pickering Electronics. www.pickeringrelay.com.

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Switch On to Pickering

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