-Available as 2, 4 or 8 Slot

3. 4 or 5

DC to 35kHz

40-280 | 40-281 | 40-282 | 40-290 | 40-291 | 40-292

Resistor

esistor Accuracy

Accuracy

5% ±0.5Ω

Up to 131kΩ

electable Selectable Potential

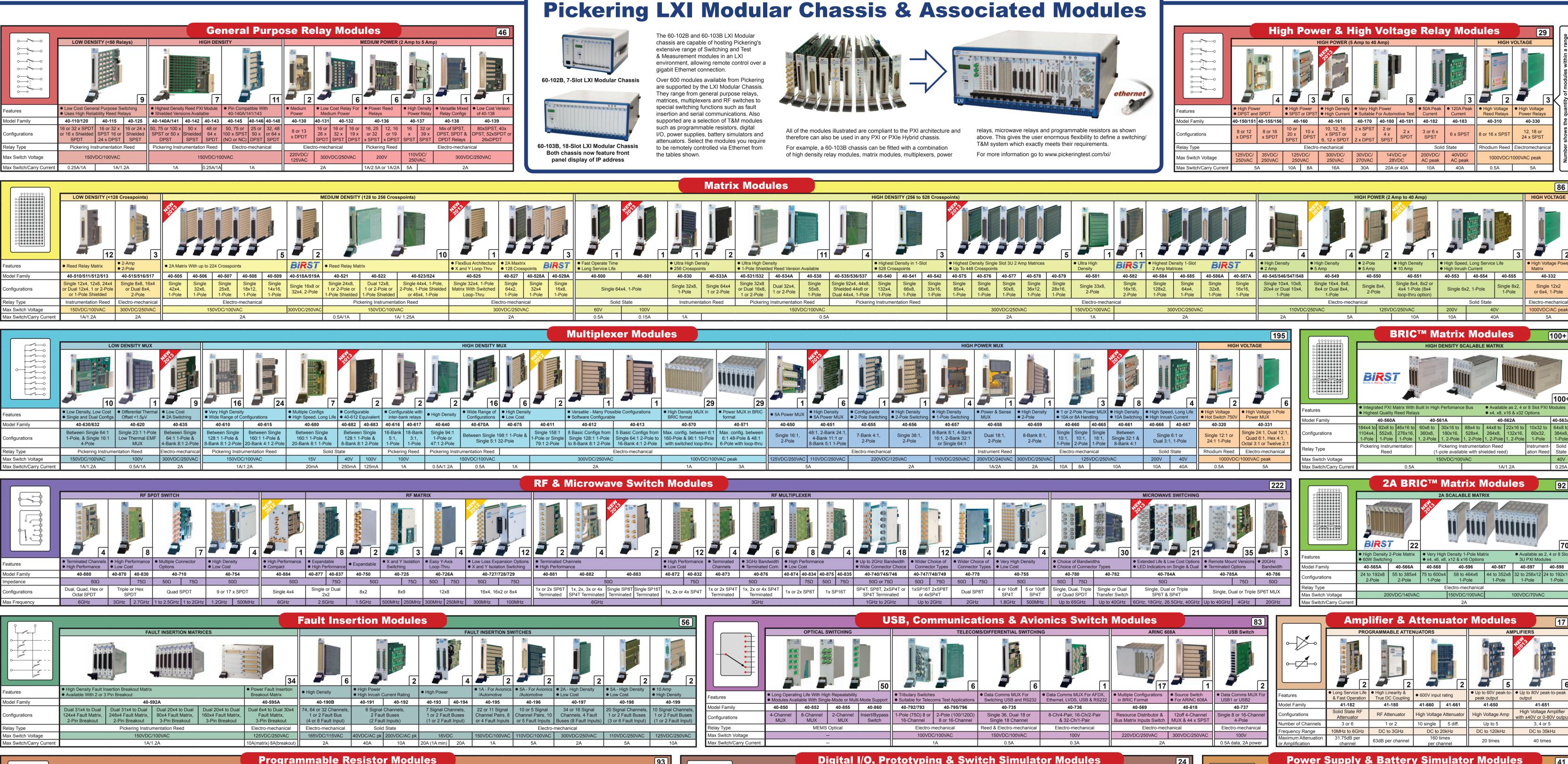
esistors Resistors Divider

User Specified

User Specified

sistance Range

0 rin



High Accuracy, Fine

40-262

RTD RTD

6 or 18

Module Accuracy

0.1%

40-260 40-261

Precision Programmable Resistor

Accuracy 0.1%

90Ω to 8kΩ

Module Accuracy

±0.08% ±70mΩ

40-296

±0.5% (±1% >1MΩ)

±0.5% (±1% >1MΩ)

Strain Gauge Bridge Short & Open Simulation

Accuracy Accuracy 0.03% 0.06%

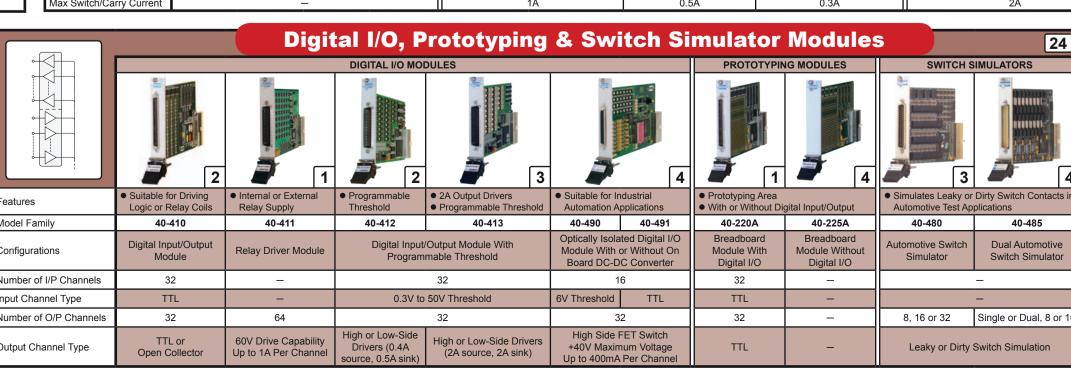
High Density
Precision Programmable

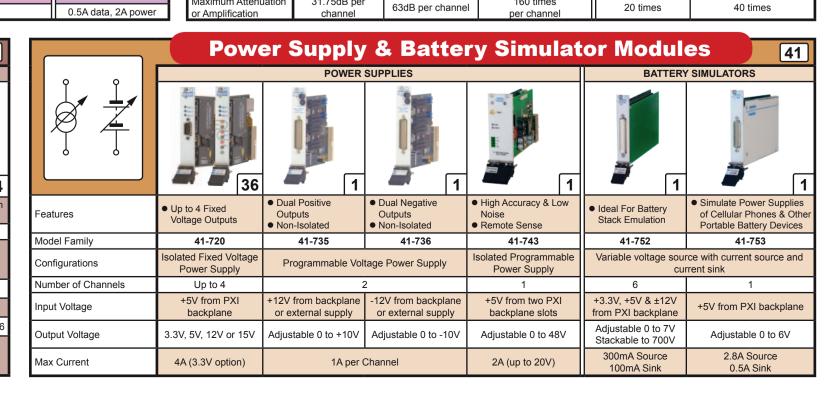
Resistor

3, 4, 6, 9 or 18

±0.2% ±Resolution

Up to 1.5MΩ





Switch Simulator

BIRS

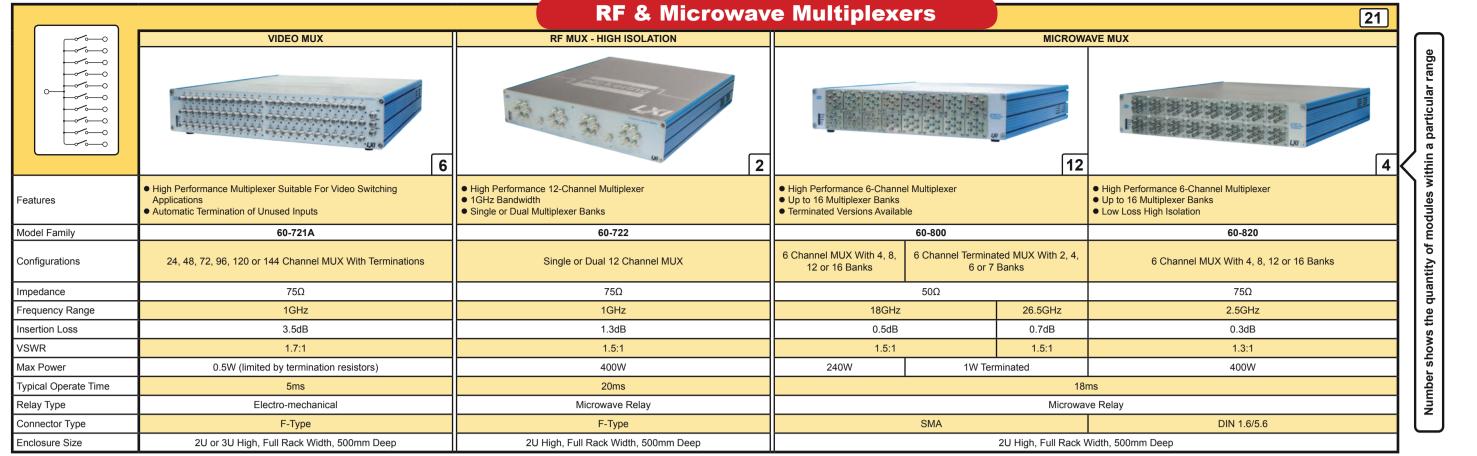
Pickering LXI Ethernet Switch Systems

LXI from Pickering Interfaces Pickering Interfaces were early adopters of the LXI standard as a means of providing a standardized interface Further literature available on Pickering LXI Products for Ethernet (LAN) controlled instruments. A wide range of switching functions are available including low frequency, high density matrices, RF and microwave matrices and multiplexers, and optical switching. Pickering has released the third edition of the LXImate • Custom switching solutions available - existing products can be adapted to meet a specific requirement or a book. The 122 page LXImate is an overview of the LXI completely custom solution can be created. Standard - an open, accessible standard identifying Compatible with all popular software: Windows® 8/7/Vista/XP, Visual Studio® (VB.NET, C#, C/C++), LabVIEW™, specifications and solutions relating to the functional test, LabVIEW RT™, LabWindows/CVI™, VISA (NI and Agilent), IVI, NISE, Agilent VEE, Mathworks Matlab, Marvin Test neasurement and data acquisition industry. This new edition has been updated to reflect the change in how products are offered, moving away from a class structure to a structure describing a Core Pickering switch modules set the benchmarks by which others are judged, constantly providing the densest and Specification and a set of optional Extended Functions. To request a highest performance solutions available. copy of LXImate, go to pickeringtest.com/lximate. Pickering Interfaces is a Strategic Member of the LXI Consortium. Pickering is the only provider of LXI and PXI switching products with in-house reed relay manufacturing capability - instrument The LXI Product Catalog grade reed relays ensure long service life and repeatable contact performance (for further information visit pickeringrelay.com). In addition, most of Pickering's switch modules use through hole technology relays (as opposed to surface mount) allowing easy replacement without the need for special tools. switching systems and modular products - 158 pages.

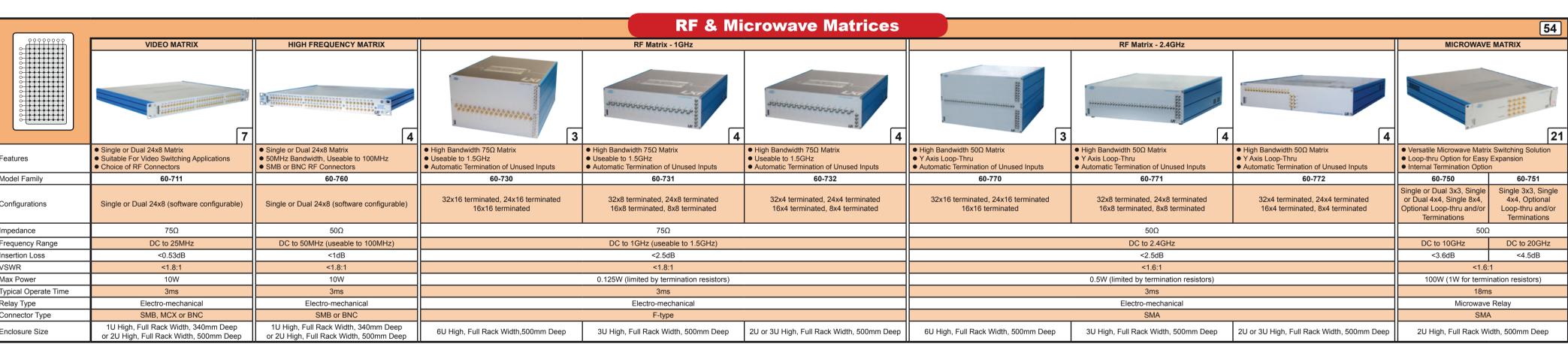
Select high density matrix solutions are supplied with Built-In Relay Self-Test. This allows

the easy detection of faulty or deteriorating relay contacts to help in the diagnosis and

verification of complex switching systems.



							Low Frequency N	Matrices				71
2000000	HIGH DENSITY - DUAL ANALOG BUS				HIGH DENSITY			HIGH POWER	HIGH VOLTAGE		LOW THERMAL EMF	
	14		13	7	2	8			5	4		
Features	Single Pole High Density M: Up to 4096 Crosspoints Dual Analog Bus	BIRST	Double Pole High Densit Up to 4096 Crosspoints Dual Analog Bus	ty Matrix	Single Pole High Density Matrix Up to 4096 Crosspoints X and Y Axis Loop-Thru Easily Expanded to Larger Sizes	Up to 4096 Crosspoints Y Axis Loop-Thru	 Single Pole High Density Matrix Up to 1600 Crosspoints X and Y Axis Loop-Thru Easily Expanded to Larger Sizes 	Up to 256 Crosspoints	Double Pole High Voltage Matrix Up to 600 Crosspoints Up To 1000V Rating	Double Pole High Voltage Matrix Up to 900 Crosspoints Up To 750V Rating	Up to 1848 Crosspoints	Single Pole Low Thermal EMF Matrix Up to 1848 Crosspoints Uses High Quality Electro-mechanical Relays
Model Family	60-550	60-551	60-555	60-556	60-552	60-554	60-590	60-600	60-310	60-311	60-510	60-511
Configurations	Between 128x8 and 512x8 1-Pole Matrix	Between 128x4 and 512x4 1-Pole Matrix	Between 192x8 and 512x8 2-Pole Matrix	Between 192x4 and 512x4 2-Pole Matrix	Between 16x64 and 50x64 1-Pole Matrix	Between 64x16 and 256x16 1-Pole Matrix	40x20 or 40x40 (can be used as Dual 40x20) Includes two "S" buses with isolation switching	Single 16x16, 16x8, 16x4, 32x8, 32x4, 64x4 1-Pole or Dual 16x8, 32x4 1-Pole Matrix	Single 100x2, 200x2 or 300x2 2-Pole Matrix	Single, Dual or Triple 75x4 2-Pole Matrix	Single, 56x33, 44x33, 42x33, 28x33 or 14x33 1-Pole Matrix	Single, 56x33, 44x33, 28x33 or 14x33 1-Pole Matrix
Relay Type	Electro-mechanical		Electro-mechanical			Electro-mechanical	High Voltage Rhodium Reed	Electro-mechanical	Pickering Instrumentation Ruthenium Reed	Electro-mechanical		
Max Switch Voltage	300VDC/250VAC			·	300VDC/250VAC			400VDC/250VAC Cold Switch, 125VDC/250VAC Hot Switch	750VDC Working, 1000VDC Typical, Cold Switch, 500VDC Hot Switch	750VDC Continuous, 1000VDC Pulse Cold Switch, 220VDC/250VAC Hot Switch	150VDC/100VAC	200VDC/170VAC
Max Switch/Carry Current	2A		2A		10A	1A	2A Cold Switch, 1A Hot Switch	0.5A Switch, 0.5A Carry	1A			
Max Switch Power	60W		60W		300W/2500VA	10W	30W Hot Switch	10W	60W			
Typical Operate Time	3ms Crosspoint, 6ms Crosspoint + Isolation		3ms Crosspoint, 6ms Crosspoint + Isolation 3ms		3ms	10.5ms	0.5ms	3ms Crosspoint, 6ms Crosspoint + Isolation	0.5ms	3ms		
Connector Type	78-Way D-type 160-Way DIN 41612		78-Way D-type 78-Way D-type & 25-Way D-type 50-Way D-type & 25-Way D		50-Way D-type & 25-Way D-type	8-Way Power D-type	50-Way High Voltage D-type & 9-Way High Voltage D-type		37-Way D-type & 25-Way D-type			
Enclosure Size	1U High, Full Rack Width, 500mm Deep				1U High, Full Rack Width, 500mm Deep			1U High, Full Rack Width, 500mm Deep	2U High, Full Rack Width, 500mm Deep	3U High, Full Rack Width, 500mm Deep	2U High, Full Rack	Width, 500mm Deep
Mating Connectors and Cabling Datasheet	90-006D 90-001D		90-006D	90-006D & 90-008D	90-005D & 90-008D	90-012D	90-005D & 90-003D 90-007E		& 90-008D			
Spare Relay Kits	91-100-001					91-100-001		91-100-071	91-100-053	-	_	_



All books and catalogs can be ordered from a Pickering

Sales Office or downloaded from pickeringtest.com/catalog/

	Optical Sv	vitching			
	FIBER OPTIC MULTIPLEXERS				
Features	 Single-Mode Fiber Support MEMS Based Actuation For Long Life and Fast Operation Loop-Thru Option For Easy Expansion 	Multi-Mode Fiber Support MEMS Based Actuation For Long Life and Operation Loop-Thru Option For Easy Expansion			
Model Family	60-850	60-851			
Configurations	Single 8-Channel, Dual 4-Channel, Dual 8-Channel, Single 16-Channel or Single 32-Channel	Single 8-Channel, Dual 4-Channel Dual 8-Channel, Single 16-Channe or Single 32-Channel			
Switching Technology	MEMS (Micro Electro-Mechanical Systems)				
Wavelength	1240nm to 1640nm	700nm to 1700nm			
Internal Fiber Type	SM 9/125	MM 62.5/125			
Typical Operate Time	1ms				
Cycle Rate	500/sec				
Connector Type	FC/APC, FC/PC, SC/PC, MU, LC	SC, ST			
Enclosure Size	1U High, Full Rack Width, 340mm Deep				

Pickering LXI System 65 **Modular Chassis**

Pickering's LXI System 65 Modular Chassis offers the user a solution that can be easily re-configured by the removal and insertion of subcards. The unit is purchased as an empty chassis with a baseboard and the quantity of System 65 sub-cards initially required. As the user's requirements evolve, additional cards can be easily fitted and the control software automatically detects the new configuration.



	Wide Band Modular Matrix 23				
	23				
Features	User Configurable For X and Y Dimensions Plug In As Many Cards As Required Built In Self-Test Checks all Relays				
Model Family	65-110				
Configurations	Between 24x8 and 104x8 or Between 16x16 and 104x16				
Impedance	50Ω				
Frequency Range	200MHz Useable to 500MHz				
Insertion Loss	Dependent upon matrix size and signal path				
VSWR	Dependent upon matrix size and signal path				
Max Power	0.25W (limited by termination resistors)				
Typical Operate Time	5ms				
Relay Type	Electro-mechanical				
Connector Type	SMB				
Enclosure Size	4U High, Full Rack Width, 500mm Deep				

Power Management					
	AC POWER MANAGEMENT SWITCH				
0	S) on the same of				
Features	 Provides a Controlled Startup of Test Systems Supports Up To 8 Instruments Settable Timing Interval and Sequence Permits Remote Re-Booting of Systems 				
Model Family	60-200				
Configurations	One Power Input, Eight Separately Controlled Power Outputs				
Switch Type	Electro-mechanical DPST				
Current Rating	6A Max Per Channel, 10A Max Total				
On/Off Initiation	Remotely or Via Front Panel Switch				
Timing	Output delay of 0 to 60s For Each Channel				
Emergency Shutdown	Push Button or Remotely via Front Panel Connector				
Connector Type	IEC Mains Connector				
Enclosure Size	1U High, Full Rack Width, 340mm Deep				

	MULTI-WAY CABLES & CONNECTORS	RF CABLES	More Information on Cables & Connectors		
A CONTRACTOR OF THE PARTY OF TH	DATA SOCIAL SOCI				
Range of Connectors	Range of Connector Blocks	Range of Cables	Range of 50Ω & 75Ω Coaxial Cables	Cables & Connectors Map Outlines the range of cable and connector options available for LXI and PXI switching modules. Cables & Connectors Catalog Details the available cable and connector options Pickering can supply for any module in the LXI and PXI ranges - 170 pages. All books and catalogs can be ordered from	
Available Connector Types: ● 200 Way LFH ● 160 Way DIN 41612 ● 96 & 68 Way SCSI Style Micro-D ● 50 Way IDC ● 78, 50, 37, 26, 25, 15 & 9 Way D-Type ● 50, 37 & 9 Way High Voltage D-type ● 20 Way GMCT (MS-M) ● 26 Way GMCT (MS-M) RF Coaxial ■ 3, 4 & 8 Way Power D-Type	Available Connector Types: ■ 200 Way LFH ■ 160 Way DIN 41612 ■ 96 & 68 Way SCSI Style Micro-D ■ 50 Way IDC ■ 78, 50, 37, 25 & 9 Way D-Type	Available Connector Types:	Available RF Cables: BNC to BNC 50Ω SMB to SMB 50Ω SMA to SMA 50Ω µWave SMA to µWave SMA 50Ω MCX to MCX 50Ω SMB to BNC 50Ω SMB to SMA 50Ω F type to SMA 50Ω BNC to BNC 75Ω		
Connector Formats: ● Male or Female ● Straight or Right Angled ● PCB or Cable Mount ● Solder or Crimp ● With or Without Backshell Refer to the Cables & Connectors Catalog or	Connector Block Formats: Shielded Module Mounted BRIC Mounted DIN Rail Mounted Screw Terminals Refer to the Cables & Connectors Catalog or	Cable Formats: Male to Male Male to Female Female to Female Male to Unterminated Female to Unterminated Lengths of 0.5m, 1m, 2m or Custom Refer to the Cables & Connectors Catalog or	 SMZ/type43 to SMZ/type43 75Ω 1.0/2.3 to 1.0/2.3 75Ω Mini SMB to Mini SMB 75Ω MCX to MCX 75Ω F type to F type 75Ω 1.6/5.6 to 1.6/5.6 75Ω Mini SMB to BNC 75Ω Mini SMB to SMZ/type43 75Ω Mini SMB to SMZ/type43 75Ω Mini SMB to 1.0/2.3 75Ω 		
ndividual connector data sheets to see which connector formats are available for each connector ype.	individual connector data sheets to see which connector block formats are available for each connector type.	individual connector data sheets to see which cable formats are available for each connector type.	All cables are available in 0.1m, 0.25m, 0.5m, 1m or custom lengths.	a Pickering Sales Office or downloaded from pickeringtest.com/catalog/	

Pickering Interfaces

LXI Solutions Map

Ethernet Controlled Switching Solutions for Test, Measurement and Data Aquisition

• 600+ Modular Solutions

• 150+ Switch Systems



LAN extensions for Instrumentation



Pickering's **LXI** Solutions Map is a single sheet reference to our range of **LXI Switch** Systems and LXI Modular Solutions and associated 600+ modules, including their basic specifications and cabling options.

pickeringtest.com

— pickering — Pickering Interfaces

LXI Solutions Map



Features

- Extensive Range of Switching: Matrix, MUX and General Purpose.
 RF/Microwave Switching to 65GHz.
- Comprehensive Range of Cables and Connectors.
- Standard Three Year Warranty on all Modules and Switching Systems.
 Gigabit Ethernet.

Direct Sales & Support Offices

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MTCS Systems Engineering Co. Ltd