

The PXI/PXIe icon denotes that modules are available in both PXI and PXIe formats. Pickering is committed to making many more of its PXI products available as PXIe.

Pickering - RF & Microwave Switching Map

CHASSIS & REMOTE CONTROLLERS

	PXI Chassis				PXI Controllers	PXI/PXIe Hybrid Chassis			PXIe Controllers		LXI Ethernet/USB Chassis			
Chassis Slots	8-Slot, 19-Slot, 8-Slot, 14-Slot				-	8-Slot, 18-Slot, 21-Slot			-		2-Slot, 4-Slot, 6-Slot, 7-Slot, 18-Slot			
Features	• High Performance Chassis • Remote Management System				• PCIe to PXI Control Interface Kit • Remote Management System	• Gen3 High Performance Chassis • Remote Management System			• PXIe Embedded Controller • Max Throughput 14GB/s • Compact for Versatility		• PCIe to PXIe Control Interface Kit • Daisy Chain Option			
Model Family	40-924, 40-923A, 40-908, 40-914				41-924/51-924	42-924, 42-925/42-926, 42-927			43-920, 43-921-001/002 and Kits		60-104, 60-105, 60-106, 60-102D, 60-103D			

Choosing a Chassis for Pickering PXI Modules (Please note the chassis slot width for all required modules when selecting a chassis)

CHASSIS SELECTION GUIDE:

PXI and PXIe (with PXIe and/or Hybrid Slots)

- Mix our 1000+ PXI Switching & Simulation modules with any vendors' PXI/PXIe instrumentation
- Embedded or remote Windows PC control
- Real-time operating system support
- High data bandwidths, especially with PXI Express
- Integrated module timing and synchronization

Pickering LXI Ethernet/USB Modular Chassis (Only accept our PXI Switching & Simulation Modules):

- Choose from 1000+ Pickering PXI modules
- Ethernet or USB control enables remote operation
- Low-cost control from practically any controller
- LXI provides manual control via Web browsers

Driveless software support

- Power sequencing immunity
- Ethernet provides chassis/controller voltage isolation
- Independence from Windows operating system

3U PXI modules are compatible with the following chassis types:

- All chassis conforming to the 3U PXI and 3U Compact PCI (c-PCI) specification
- Legacy and hybrid peripheral slots in a 3U PXI Express (PXIe) chassis
- Pickering Interfaces LXI or LXI/USB modular chassis

3U PXIe versions of the modules are compatible with the following chassis types:

- All chassis conforming to the 3U PXIe specification
- PXIe and hybrid peripheral slots in a 3U PXI Express (PXIe) chassis

PXI RF SWITCHES

	RF SPST Switch		RF SPDT Switch		RF SP4T Switch	
Features	• Up to 1 GHz • SPDT Options • Optional Hardware Interlock		• 8GHz Bandwidth • Terminated		• High Performance • Low Cost	
Model Family	40-753		40-880B		40-870A 40-830A	
Impedance	75 Ω		50 Ω		50 Ω 75 Ω	
Configurations	12 or 24 x SPST		Dual, Quad, Hex or Octal SPDT		Triple or Hex SPDT	
Max Frequency	1 GHz		8 GHz		1 GHz	
Insertion Loss	<3dB		<4dB		<0.5dB	
Max Power	25W		+36dBm		10W	
Typical Operate Time	1ms		50µs		3ms	
Relay Type	Electro-mechanical		Solid State			
Connector Type	SMB, GMCT		SMA		SMB, MCX	
Width (PXI-1, PXIe-hybrid)	1 or 2-Slot		1, 2 or 3-Slot		1-Slot	

PXI MICROWAVE SWITCHES

	SPDT	Transfer Switch	SP4T/SP4T	SP8T/SP10T/SP12T
Features	• Choice of module bandwidths • LED indication of closed switch paths • Failsafe relays (Latching relays for 110GHz)			
Model Family	40-780B, 40-781A, 40-781A-92x, 40-782B, 40-784B, 40-785C, 40-788			
Impedance	50 Ω			
Configurations	Single, Dual, Triple or Quad SPDT			
Max Frequency	Up to 67GHz			
Insertion Loss	<1.1dB			
Max Power	Up to 700W			
Typical Operate Time	15ms			
Relay Type	Microwave Relay			
Connector Type	N-type, SMA, SMA-2.9, SMA-2.4, SMA-1.8, 1.6/5.6			
Width (PXI-1, PXIe-hybrid)	1, 2 or 3-Slot			

PXI RF MATRICES

	RF Matrix							
Features	• 8GHz Bandwidth • High Performance • Expandable • X and Y Isolation Switching • Expandable • Easy Y-Axis Loop-Thru • Low Loss Expansion Options: 24x8, 32x8, 40x8, 48x8... • X and Y Isolation Switching • High Performance • Loop-thru Option							
Model Family	40-884B, 40-877A, 40-837A, 40-750A, 40-725, 40-726A, 40-727A, 40-728A, 40-729A, 40-724							
Impedance	50 Ω							
Configurations	Single 4x4, Single or Dual 2x2, 8x2, 8x9, 12x8, 16x4, 16x2, 8x4							
Max Frequency	8GHz, 2.5GHz, 1GHz, 500MHz, 250MHz, 300MHz, 250MHz, 300MHz, 100MHz, 300MHz, 100MHz, 300MHz, 100MHz, 300MHz (150MHz Loop-thru)							
Insertion Loss	<8dB, <1.4dB, <2.0dB, <3dB, 3dB							
Max Power	+30dBm							
Typical Operate Time	50µs							
Relay Type	Solid State							
Connector Type	SMA, SMB, MCX, SMA, SMB, MS-M, SMB, MS-M, SMB							
Width (PXI-1, PXIe-hybrid)	3-Slot							

PXI RF MULTIPLEXERS

	RF Multiplexer															
Features	• 8GHz Bandwidth • Terminated Channels • High Performance • 4GHz • Fast Operation • Long Life • Low Insertion Loss • 3GHz Bandwidth • High Performance • 3GHz Bandwidth • Terminated • 3GHz Bandwidth • Terminated Com • High Performance • Low Cost • Up to 2GHz Bandwidth • Choice of SMA or SMB Connectors • Choice of SMA or SMB Connectors • Very High Density • High Performance • Low Cost • Low Cost • Terminated Channels															
Model Family	40-881B, 40-882B, 40-883B, 40-878, 40-872A, 40-832A, 40-873A, 40-876A, 40-874A, 40-834A, 40-875A, 40-835A, 40-740, 40-745, 40-746, 40-747, 40-748, 40-749, 40-755A, 40-760/2/4/6, 40-761A/3A/5A/7A															
Impedance	50 Ω															
Configurations	Single or Dual SP4T Terminated, Single, Dual, Triple or Quad SP4T Terminated, Single SP8T Terminated, Single, Dual or Quad SP4T, Single or Dual SP4T Terminated, Single, Dual or Quad SP4T Terminated, Single or Dual SP8T, Single SP16T, SP4T Terminated, SP4T or SP8T, Dual SP4T, Single SP16T, Dual SP8T, Quad SP4T, 4 or 10 off SP4T, 5 or 10 off SP4T, 4 or 10 off SP4T, 5 or 10 off SP4T, Dual, Quad or Octal SP4T, Single, Dual or Quad SP8T, Single or Dual SP16T, or Single SP32T															
Max Frequency	8GHz, 4GHz, 3GHz															
Insertion Loss	<6.8dB, <5dB, <8dB, <9dB, <1.4dB, <1dB, <1.6dB, <1.5dB, <1.3dB, <1.2dB, <2.1dB, <1.3dB, <1.9dB, <3dB, <1.6dB, <2.9dB, <2.6dB, <1.9dB, <1.5dB, <1.25dB, <1.3dB, <2dB, <2dB															
Max Power	+36dBm, +30dBm, 25W, 10W, 1W Terminated, 2W Terminated, 10W															
Typical Operate Time	50µs, 50µs, 3ms															
Relay Type	Solid State, MEMS, Electro-mechanical															
Connector Type	SMA, SMB, MCX, SMA, SMB, SMB, SMB, SMA, SMB, SMB, SMB, MS-M RF, SMB, MS-M RF, SMB															
Width (PXI-1, PXIe-hybrid)	1 or 2-Slot, 1, 2 or 3-Slot, 2-Slot, 3-Slot, 1-Slot, 1-Slot, 1-Slot, 1-Slot, 1 or 2-Slot, 1-Slot, 1 or 2-Slot, 1-Slot, 1 or 2-Slot															

PXI ATTENUATORS

	Attenuators
Features	• Long Service Life & Fast Operation • High Linearity & True DC Coupling
Model Family	41-182B, 41-180
Configurations	Solid State Programmable RF Attenuator, Programmable RF Attenuator
Number of Channels	3 or 6, 1 or 2
Frequency Range	10MHz to 6GHz, DC to 3GHz
Maximum Attenuation	31.75dB per channel, 63dB per channel
Maximum Gain	-
Connector Type	SMA
Width (PXI-1, PXIe-hybrid)	1 or 2-Slot, 1-Slot

LXI ETHERNET RF & MICROWAVE MATRICES

	Video Matrix	High Frequency Matrix	Wideband Matrix	RF Matrix - 1 GHz	RF Matrix - 2.4 GHz	Microwave Matrix
Features	• Single or Dual 24x8 Matrix • Suitable For Video Switching Applications • Choice of RF Connectors	• Single or Dual 24x8 Matrix • 50MHz Bandwidth, Useable to 100MHz • SMB or BNC RF Connectors	• User Configurable For X and Y Dimensions • Plug In As Many Cards As Required • Built In Self-Test Checks all Relays	• High Bandwidth 750 Matrix • Useable to 1.5GHz • Automatic Termination of Unused Inputs	• High Bandwidth 500 Matrix • Y Axis Loop-Thru • Automatic Termination of Unused Inputs	• Versatile Microwave Matrix Switching Solution • Loop-thru Option for Easy Expansion • Internal Termination Option
Model Family	60-711, 60-760		65-110A	60-730, 60-731, 60-732	60-770, 60-771, 60-772	60-750, 60-751
Configurations	Single or Dual 24x8 (software configurable)		RF matrix with sizes between 24x8 and 104x8 or between 16x16 and 104x16	32x16 terminated, 24x16 terminated, 16x16 terminated, 32x8 terminated, 24x8 terminated, 16x8 terminated, 8x8 terminated, 32x4 terminated, 24x4 terminated, 16x4 terminated, 8x4 terminated	32x16 terminated, 24x16 terminated, 16x16 terminated, 32x8 terminated, 24x8 terminated, 16x8 terminated, 8x8 terminated, 32x4 terminated, 24x4 terminated, 16x4 terminated, 8x4 terminated	Single or Dual 3x3, Single or Dual 4x4, Single 8x4, Optional Loop-thru and/or Terminations, Single 3x3, Single or Dual 4x4, Optional Loop-thru and/or Terminations
Impedance	75 Ω		50 Ω	75 Ω	50 Ω	50 Ω
Frequency Range	DC to 25MHz		200MHz Useable to 500MHz	DC to 1GHz (useable to 1.5GHz)	DC to 2.4GHz	DC to 10GHz, DC to 18GHz
Insertion Loss	<0.75dB		<1dB	<2.5dB	<2.5dB	<2.5dB
VSWR	<2.0:1		<1.8:1	<1.6:1	<1.6:1	<1.8:1
Max Power	30W		0.25W (limited by termination resistors)	0.125W (limited by termination resistors)	0.5W (limited by termination resistors)	100W (1W for termination resistors)
Typical Operate Time	3ms		3ms	3ms	3ms	18ms
Relay Type	Electro-mechanical		Electro-mechanical	Electro-mechanical	Electro-mechanical	Microwave Relay
Connector Type	SMB, MCX or BNC		SMB or BNC	SMB	F-type	SMA
Enclosure Size	1U High, Full Rack Width, 340mm Deep or 2U High, Full Rack Width, 500mm Deep		4U High, Full Rack Width, 500mm Deep	6U High, Full Rack Width, 500mm Deep, 3U High, Full Rack Width, 500mm Deep, 2U or 3U High, Full Rack Width, 500mm Deep	6U High, Full Rack Width, 500mm Deep, 3U High, Full Rack Width, 500mm Deep, 2U High, Full Rack Width, 500mm Deep	2U High, Full Rack Width, 500mm Deep

LXI ETHERNET RF & MICROWAVE MULTIPLEXERS

	Video MUX	RF MUX	Microwave MUX			
Features	• High Performance Multiplexer Suitable for Video Switching Applications • Automatic Termination of Unused Inputs	• High Performance 12-Channel Multiplexer • 1GHz Bandwidth • Single or Dual Multiplexer Banks	• High Performance 6-Channel Multiplexer • Terminated Versions Available	• High Performance 6-Channel Multiplexer	• High Performance 4-Channel Multiplexer	• High Performance 4-Channel Multiplexer • Terminated Versions Available • Low Loss High Isolation
Model Family	60-721A		60-800, 60-801, 60-802, 60-803, 60-820			
Configurations	24, 48, 72, 96, 120 or 144-Channel MUX with Terminations		Single or Dual 12-Channel MUX	6-Channel Terminated MUX with up to 16 Banks, 6-Channel Terminated MUX with up to 14 Banks	6-Channel MUX with up to 16 Banks, 4-Channel MUX with up to 16 Banks	4-Channel Terminated MUX with up to 16 Banks, 4-Channel Terminated MUX with up to 14 Banks, 6 Channel MUX with up to 16 Banks
Impedance	75 Ω		50 Ω			
Frequency Range	1GHz		18GHz, 26.5GHz, 40GHz, 50GHz or 67GHz		6GHz, 18GHz, 26.5GHz or 40GHz	
Insertion Loss	3.5dB		0.5dB (18GHz), 1.7dB (67GHz), 0.2dB (up to 3GHz), 0.5dB (18GHz), 1.7dB (67GHz), 0.3dB			
VSWR	1.5:1		1.2:1 (up to 3GHz), 1.2:1 (up to 3GHz)			
Max Power	0.5W (limited by termination resistors)		100W/1W per termination (18GHz), 1W (67GHz), 400W, 250W (up to 3GHz), 100W/1W per termination (18GHz), 1W (67GHz)			
Typical Operate Time	5ms		18ms, 13ms, 18ms			
Relay Type	Electro-mechanical		Microwave Relay			
Connector Type	F-Type		SMA, SMA-2.9, SMA-2.4 or SMA-1.85, SMA or SMA-2.9 (40GHz)			
Enclosure Size	2U or 3U High, Full Rack Width, 500mm Deep		2U or 3U High, Full Rack Width, 500mm Deep, 1U or 2U High, Full Rack Width, 500mm Deep, 2U or 3U High, Full Rack Width, 500mm Deep, 2U High, Full Rack Width, 500mm Deep			

Relay Counting - Many PXI(e) modules now feature relay operation counting to determine if a relay is approaching end of life (EOL). This information can be used to reduce the load on heavily used relays. Please refer to the specific module datasheet for more information.

Pickering - RF & Microwave Switching Map

Pickering RF & Microwave Switching Map

SWITCHING & SIMULATION SOLUTIONS FROM PICKERING INTERFACES

About Us

At Pickering, we understand that to design, deploy and sustain your test system can be challenging, and we believe in offering you the products and services to help your engineering team get the job done on time and budget. Since 1988, our core focus has and continues to be high-density modular switching and simulation systems for PXI, PCI, LXI and USB applications.

We offer the industry's deepest portfolio (over 1000 products in PXI alone), but the value doesn't end there. Take a look at the benefits of working with Pickering:

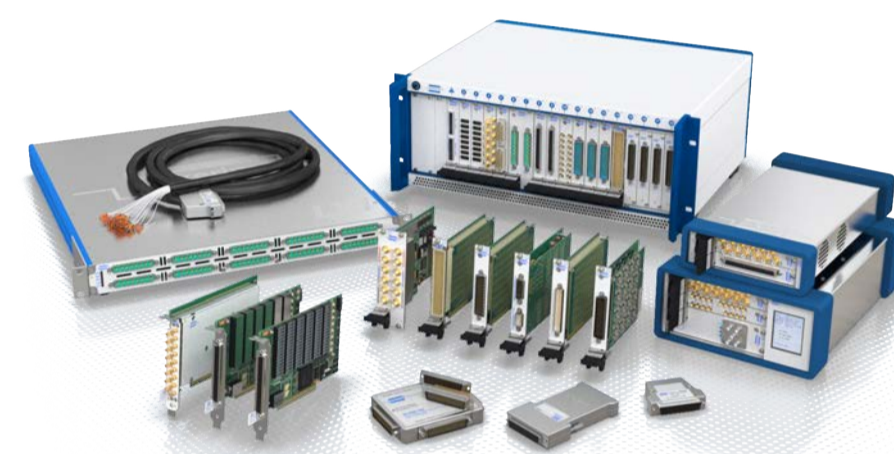
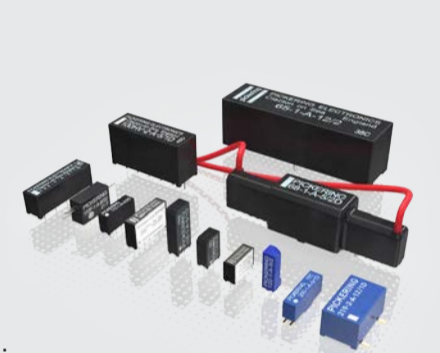
- When our product range doesn't fit your application, we have the agility and expertise needed to develop a system to your specifications, often with little to no engineering cost.
- We can also help accelerate software development and test time by offering tools to help with your programming efforts. These include our Switch Path Manager signal routing software that simplifies coding of switching systems, and simulation tools that allow development to begin before your hardware is received.



- We know that maximizing uptime of your test system is important—with our diagnostic test tools, you can identify faulty or damaged components in a matter of minutes. Many of our products include spare relays, so you can self-repair in the field without voiding our 3-year warranty.
- Our products have a history of longevity, typically 15–20 years, which is critical to many of our customers. All products manufactured by us come with a standard 3-year warranty* and include guaranteed long-term support.
- Our technical staff can address any hardware or software problems you may encounter with Pickering Products. We have multiple offices located around the world and provide access to support engineers that have many years' experience in functional test and are committed to responding in a timely fashion.
- All module and cabling manufacturing processes are done within our two factories on flexible manufacturing lines allowing us to offer simple customization to meet your needs. The chances are good that we can enhance your engineering team's effectiveness with our collaborative, creative and agile culture.

Reed Relays

Pickering is the only switch provider with in-house reed relay manufacturing capability. These instrument grade reed relays feature **SoftCenter™** technology, ensuring long service life and repeatable contact performance. In addition, most of our switch modules use through-hole technology relays (as opposed to surface mount) allowing easy replacement without the need for special tools. Learn more: pickeringrelay.com



Learn more: pickeringtest.com/whypickering
Note*: Currently the 110 GHz products come with a 1-year Warranty

TURNKEY LXI ETHERNET MICROWAVE SWITCH AND SIGNAL ROUTING SUBSYSTEMS

60-891 Integrated Solutions

Do you have limited engineering resources or demand performance that can only be delivered with a fully integrated solution?

We have the expertise and ability to turn your high-level requirements for a microwave switching subsystem into the fully integrated solution that you need. You provide us with your unique configuration and specification, and our engineers will work closely with you to provide a well-defined, fully integrated and supportable end product that will satisfy your microwave testing needs.

- Designed and manufactured to your requirements by our switching experts
- Compact rack-mount designs** incorporating an industry-standard LXI/Ethernet interface
- Bandwidths from DC to 110 GHz @ 50 Ω**, with terminated or unterminated options, and bandwidths up to 2.5 GHz @ 75 Ω
- Fast turnaround**, cost-effective Multiplexer, Matrix and complex routing solutions
- Fully documented** to ensure performance repeatability in subsequent builds/orders
- Familiar programming environment** using Pickering's standard switch API accelerates software integration
- Pickering can turn your custom-design into an 'off-the-shelf' product with **15+ years** support

For complex subsystems, our **Switch Path Manager** signal routing software can be used to significantly reduce integration time. Another important tool we offer is the **LXI hardware simulator**, this tool allows you to develop and test the system software independently from your application hardware.

Visit pickeringtest.com/turnkey to learn more.

Example Turnkey Microwave Switching Systems



12x12 Microwave Matrix

SP36T Microwave Multiplexer

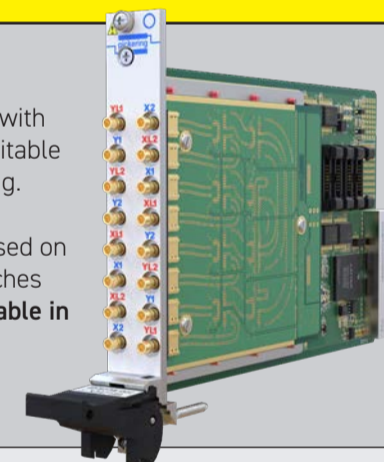
COMPREHENSIVE RANGE OF RF & MICROWAVE CONNECTORS & CABLES

Connector Types used on Pickering RF & Microwave Modules

RF & Microwave Cable Assemblies

SMB Connector

This is a push-fit connector with a small outline making it suitable for high density RF switching. It typically has a maximum frequency of 4 GHz and is used on many of our 3 GHz PXI switches and multiplexers. It is available in 50 Ω and 75 Ω versions.



SMA Connectors

This is a threaded connector which mates well with semi-rigid and larger cables than the MCX/SMB, ensuring a higher performance and lower loss. Ideally the connector should be secured with a torque spanner to ensure that it is sufficiently tightened while avoiding accidental mechanical damage.



MCX Connector

This is a push-fit connector with a similar size to the SMB connector. It has a higher maximum frequency of typically 6 GHz and is offered as an alternative to SMB on many of our switches and multiplexers. It is available in 50 Ω and 75 Ω versions.



It is used on many of our 50 Ω microwave switching modules in different variations depending on the maximum frequency of the switch as follows:

- 26.5 GHz - Standard SMA
- 40 GHz - SMA-2.9
- 50 GHz - SMA-2.4
- 67 GHz - SMA-1.85
- 110 GHz - SMA-1.0



We support all our RF and microwave switching products with a wide range of cabling options allowing easy integration into your test system.

The range of coaxial cables available includes:

- BNC to BNC 50 Ω
- SMA to SMB 50 Ω
- SMA to SMA 50 Ω
- MCX to MCX 50 Ω
- MMCX to MMCX 50 Ω
- SMB to BNC 50 Ω
- BNC to SMA 50 Ω
- SMB to SMA 50 Ω
- N type to SMA 50 Ω
- BNC to MCX 50 Ω
- MS-M multi-way to SMB 50 Ω
- MS-M multi-way to unterminated 50 Ω
- BNC to BNC 75 Ω
- SMZ/type43 to SMZ/type43 75 Ω
- 1.0/2.3 to 1.0/2.3 75 Ω
- Mini SMB to Mini SMB 75 Ω
- MCX to MCX 75 Ω
- F type to F type 75 Ω
- 1.6/5.6 to 1.6/5.6 75 Ω
- Mini SMB to BNC 75 Ω
- Mini SMB to SMZ/type43 75 Ω
- Mini SMB to 1.0/2.3 75 Ω
- BNC to MCX 75 Ω

Other Connectors

Selected modules are available with alternative connector types such as BNC, N-type, F-type, SMZ, 1.0/2.3 and 1.6/5.6. If you have a particular connector requirement, please contact your local Pickering sales office.

MS-M Connector

This is a multi-way connector with an impedance of 50 Ω and maximum frequency of 500 MHz. Its small footprint makes it suitable for single slot high-density RF modules such as our 40-756A 17x SPDT switch and 40-755A 10 bank 4 to 1 multiplexer.



These flexible, configurable PXI & LXI microwave switch platforms may be specified with a mix of high-performance microwave relays up to 110 GHz bandwidth with 50 Ω impedance or up to 2.5 GHz with 75 Ω impedance and with a range of connector types.

- Available relays include **Transfer, SPDT, SP4T, SP6T, SP8T, SP10T and SP12T** in **unterminated and terminated** versions
- Flexibility in front-panel relay positioning helps minimize external interconnecting cable lengths
- LED indication** of energized switch paths
- PXI & PXIe** available in 1 to 6 slot wide modules
- LXI** up to 6U form factors
- Excellent RF and repeatability characteristics



Examples of PXI & LXI Flexible Microwave Switch Platforms

Visit pickeringtest.com/flexible

FLEXIBLE PXI & LXI ETHERNET MICROWAVE SWITCH PLATFORMS

Microwave Switch Options

Switch Type	Termination	Bandwidth & Connector Type											
		2.5 GHz DIN 1.6/5.6 (75 Ω)	3 GHz SMA (50 Ω)	6 GHz SMA (50 Ω)	8 GHz N-Type (50 Ω)	12.4 GHz SMA (50 Ω)	18 GHz SMA (50 Ω)	22 GHz SMA (50 Ω)	26.5 GHz SMA 2.9 (50 Ω)	40 GHz SMA 2.4 (50 Ω)	50 GHz SMA 1.85 (50 Ω)	67 GHz SMA 1.0 (50 Ω)	110 GHz SMA 1.0 (50 Ω)
Transfer (DPDT)	Unterminated	SPDT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
		SP4T	✓			✓	✓	✓	✓	✓	✓	✓	✓
		SP6T	✓				✓	✓	✓	✓	✓	✓	✓
		SP8T	✓					✓	✓	✓	✓	✓	✓
		SP10T	✓						✓	✓	✓	✓	✓
		SP12T	✓							✓	✓	✓	✓
SPDT	Terminated	SPDT						✓	✓	✓	✓	✓	
		SP4T						✓	✓	✓	✓	✓	
		SP6T							✓	✓	✓	✓	
		SP8T								✓	✓	✓	
		SP10T									✓	✓	
		SP12T										✓	✓

Non-switching Components

To provide functionality in addition to switching, we also offer power dividers, attenuators, couplers and terminations. To maximize system flexibility other component types/specifications can be supplied upon request.

MICROWAVE SWITCH DESIGN TOOL

Configuring powerful and flexible PXI & LXI microwave switching products has never been easier than with our new Microwave Switch Design Tool. This free online tool greatly simplifies the configuration of your flexible microwave switching and relay systems for signal routing applications across 5G, wireless & telecommunications, semiconductor, medical, aerospace and defense.

Features of our Microwave Switch Design Tool include:

- Engineers can easily design a complete industry-standard, PXI or LXI Microwave switching system
- PXI/PXIe is available in 1 to 6 slot wide modules
- LXI is available in up to 6U form factors
- Specify and configure a mix of high-performance microwave relays
- Relays range up to 110 GHz bandwidth at 50 Ω impedance or up to 2.5 GHz at 75 Ω impedance and include transfer, SPDT, SP4T, SP6T, SP8T, SP10T and SP12T in terminated and unterminated versions
- Large range of connector types and complete flexibility on placement to help minimize external cable lengths
- Custom labeling and front-panel graphics
- Generate all the necessary documentation and quote your unique part number within the tool
- Excellent RF and repeatability characteristics
- Low VSWR (Voltage Standing Wave Ratio), very high isolation, low loss and high power handling
- Ideal for switching coaxial systems that require high performance from the HF band to microwave frequencies



To learn more or give the tool a try, go to: pickeringtest.com/msdt

- RF Switching to 8 GHz with Microwave to 110 GHz
- 8 GHz Solid State
- Matrices
- MUXs
- SPDT Switches
- Transfer Switches
- Attenuators
- Turnkey LXI Ethernet Microwave Subsystems



Pickering's RF & Microwave Switching Map is a single-sheet reference to over 500 modules in PXI, PXIe, LXI Ethernet & USB formats, including their basic specifications and cabling options.



Pickering RF & Microwave Switching Map

What to expect when you engage with Pickering for your RF/Microwave switching

Designing your signal routing and distribution systems can be challenging. Work with an experienced global supplier who possesses the necessary skills to complete the task within the agreed timeline and budget. When you work with us, you get the following:

- Direct collaboration** with our engineers during the design phase
- Optimized solutions** tailored to your high-level requirements
- A fully documented** end product
- Platform and component flexibility** to meet your specific needs
- Whether you need one or 20 systems, **our process treats them all the same**

Exciting NEW Industry-first Technologies

PXI & PXIe microwave relay modules capable of switching 110 GHz signals.

PXI & PXIe MEMS-based RF MUXs deliver 300x operational life and 60x test system throughput compared to EMR-based equivalents.

Switching | Simulation | Programmable Resistors | Custom Design | Software | Reed Relays | Connectivity & Cables

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