# imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



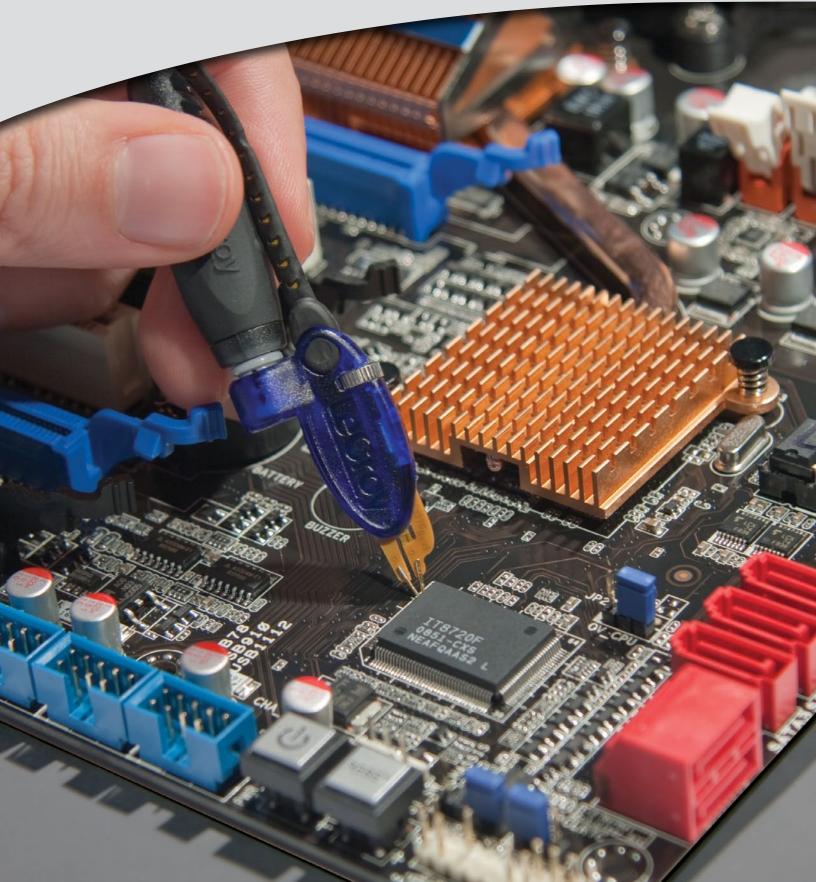
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### WaveLink<sup>®</sup> Differential Probe System (4 GHz – 6 GHz)



### **EXCEPTIONAL WAVEFORM FIDELITY**

#### **Key Features**

- 4 GHz or 6 GHz models
- Up to 5 Vpk-pk dynamic range with low noise
- ±3 V offset range
- Deluxe soft carrying case
- Wide variety of tips and leads
  - Solder-In Lead
  - Positioner (Browser) Tip
  - Adjustable (Browser) Tip
  - Quick Connect Lead
  - Square Pin Lead
  - HiTemp Solder-In Lead
- Ideal for DDR2, DDR3, LPDDR2



The WaveLink 4-6 GHz differential probe series provides the widest range of tips with the highest input dynamic range and a large offset capability.

#### **WaveLink®**

WaveLink® probes provide industry leading technology for wideband signal connection to test instruments. The first differential probes to employ SiGe technology, they deliver full system bandwidth when used with WaveRunner,® WavePro,® WaveMaster,® DDA and SDA oscilloscopes up to 6 GHz. WaveLink probes:

- Maintain good loading characteristics across the frequency span
- Optimize for gain, noise and bandwidth for optimal performance
- Offer broad range of dynamic range and noise over gain settings by incorporating automatic probe attenuation changes

WaveLink is the first differential probe to use a unique calibration process to achieve superb waveform fidelity for routine voltage measurements.

Calibration coefficients "fine tune" the frequency response of each WaveLink probe and are individually determined during factory calibration and programmed into the probe. The SDA, DDA, WaveMaster, WaveRunner, or WavePro Series oscilloscopes read this data and use it to digitally compensate the entire system response for superior fidelity.

### **Signal Fidelity**

WaveLink probes virtually eliminate distortion when measuring signals. This benefit is particularly useful in eye pattern measurements, now routine for systems using fast serial parallel data bus architecture.

All WaveLink probes offer:

- Superior loading characteristics
- Precise frequency response with outstanding fidelity for high-speed signals

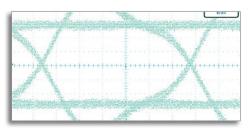
Both low loading and frequency response flatness are needed to ensure the signal fidelity required to measure performance accurately.

### **Tip Flexibility**

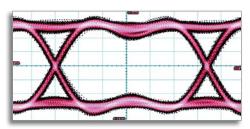
WaveLink test leads make connecting to test points very simple. The wide variety of tips offered provide confidence that the most challenging test points can be probed.

The Solder-In, PT Browser, Quick Connect, and Square Pin lead sets are rated for multiple insertions and offer field replacement tips for user value, while giving the best signal fidelity as a system to the test points.

An assortment of hands-free probe holders ease the challenge of connecting multiple leads to a board.



3.125 Gb/s XAUI signal measured with system using a probe with good frequency flatness, but excessive loading.



Same signal measured with WaveLink D610-PT. Low loading and flat frequency response combine to maintain the fidelity in the eye pattern.

### **Serial Data**

Serial data signals all vary in signal characteristics and connection type. WaveLink features a wide dynamic range and offset to accommodate a wide input voltage range. WaveLink's automatic probe attenuation network allows an input voltage up to ±5 Vp-p with the lowest system noise for measuring small signals.

#### **Single-ended Measurements**

WaveLink differential probes offer enhanced capabilities to make single-ended measurements with low loading and improved CMRR. Singleended measurements on DDR signals with D6x0/D4x0 probes utilize ±3 V offset range to return a more accurate and repeatable measurement.

#### **Probe Positioners**

Multiple probe connections are often necessary to properly debug board level problems. WaveLink probes afford a variety of hands free positioners to offer stable and accurate probe tip placement to make perfect contact without the worry of hand probing errors.



FreeHand with PT Tip and Wand.



XYZ Positioner with PT Tip.

## **FLEXIBLE INTERCONNECTION OPTIONS**



WaveLink Differential Amplifer Small Tip Modules

The D610/D410 and D620/D420 probes provide superior electrical characteristics to provide the best signal fidelity.

- Lowest noise performance for accurate measurements
- High DC impedance
- Low loading for minimum signal disturbance
- High sensitivity for probing low voltage signals

The D6x0/D4x0 probes are superior to single-ended probes for measuring ground referenced signals. Placing the probe will not alter local ground variation, and the measured signal won't be distorted by this variation. Best-in-class mechanical design for optimum utility:

- Small tip, high bandwidth differential probe
- Five interconnect configurations for flexibility
- Very small form factor for accessing tight spaces

Each of the interchangeable leads is a thin, highly flexible 145 mm (5.7") long lead connecting the tip and the D610/D620 and D410/D420 probe tip module.

### **Five Different Tips for Interconnect Flexibility**



#### A. Solder-In Lead (SI)

The Solder-In interconnect lead features the smallest physical tip size of any high bandwidth differential probe and the highest level of electrical performance. Two very small damping resistors are directly soldered into the connect points providing a reliable, intermittence-free electrical connection. The resistors have highly flexible leads allowing connection to input points with a wide range of input spacing.

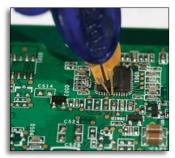


**B. Quick Connect (QC)** 

The Quick Connect interconnect lead enables you to quickly move the probe between multiple test points on the test circuit. Just solder a pair of leaded damping resistors at each location where interconnection is required. A small connector mounted on the probe tip plugs into the damping resistors, letting you quickly move between sets of test points.



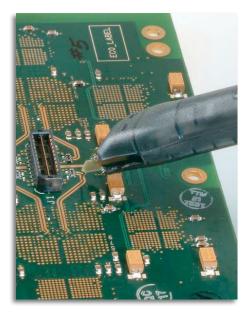
**C. Square Pin (SP)** Many applications, such as IC characterization boards, use standard 0.025" square pins for interconnect. The Square Pin interconnect lead directly mates with a pair of 0.025" (0.635 mm) square pins that are mounted on standard 0.100" (2.54 mm) centers.



#### **D. Positioner Tip (PT)**

The PT positioner tips provides spring loaded leads to allow for easy probing. The adjustable wheel allows for precise probing, allowing a spread up to 0.14". The small form factor provides a convenient grip for hand probing, or use the wand or XYZ positioner for more precise placement.

### **BROWSER OPTIONS**



# WaveLink Differential Amplifier Modules with Adjustable Tip

WaveLink adjustable tip probes are designed to provide an optimum mechanical connection for signal measurement.

- Built-in thumbwheel for precise positioning of tip stays put after adjustment
- Maintains sharp points for good contact
- Tips made of "NiTiNOL," a super-elastic nickel-titanium alloy
- Flexes as you apply pressure
- Consistently returns to original form



#### E. High Temperature (HiTemp) Cables and Solder-In Lead

The 90 cm HiTemp cables and Solder-In lead can be used for controlled situations where the differential amplifier module needs to be removed from the extreme temperature environment. Ideally suited for testing scenarios where the temperature can fluctuate from -40 °C to +105 °C.

#### PT Browser Tip Leads

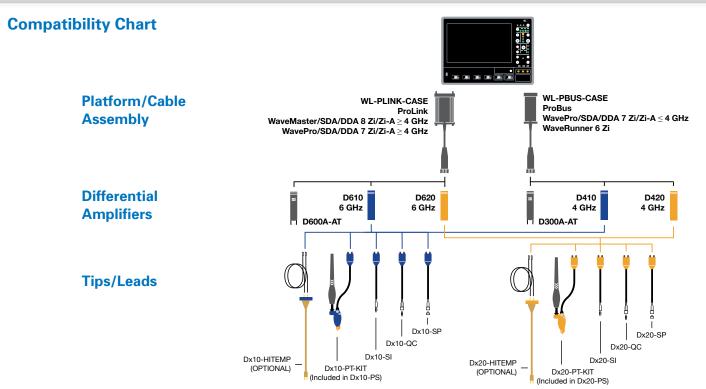
The PT browser tip offers two options to pair with the appropriate probe body, providing the best scope/probe combination. The Dx10-PT and Dx20-PT browser tips are used with the D610/D620 for 6 GHz bandwidth probing needs, while a pairing with the D410/D420 amplifiers are rated to 4 GHz bandwidth. The



PT positioner tip offers the most flexibility in a browser probe to provide the best signal fidelity in an easy to use form factor. The PT browser tip offers superior noise and loading characteristics. The PT can be used with a variety of holders and accessories to allow for ease in hand browsing, or flexibility to use a positioner for hands free probing.

The small form factor makes probing small pitch ICs easy, with a tip spread of 0.14", adjustable with a thumb wheel. The probe tips offer a field replaceable spring tip (with a flex of 0.6 mm) to allow robust contact with DUT contacts.

### **COMPATIBILITY AND STANDARD ACCESSORIES CHART**



### **Accessories and Replacement Parts**

Standard Accessories	WL-PLINK-CASE WL-PBUS-CASE	D610/ D620	Dx10/ Dx20-PS	Dx10/ Dx20-PT-KIT	Dx10-SI-HiTemp Dx20-SI-HiTemp	Dx00A-AT	Replacement Part
Amplifier System		1 each	1 each				D410, D420, D610 or D620
(includes items below with*)							
*Amplifier		1 each	1 each				
*Solder-In Lead Set		1 each	1 each				Dx10-SI, Dx20-SI
(includes items below with**)		T each	reach				
**Spare Damping Resistors for SI Tip		1 set of 5	1 set of 5				PKxx0-SI
**Tip Retaining Clip for SI & QC Leads		1 each	1 each				PK600ST-3
**Adhesive Tape		1 set	1 set				Dxx0-PT-TAPE
*Quick Connect Lead Set		1 each	1 each				Dx10-QC, Dx20-QC
*Damping Resistors for QC Tip (Included with QC Tip)		2 sets of 10	2 sets of 10				PKxx0-QC
*Ground Lead		1 each	1 each				PACC-LD005
*Ground Clip		1 each	1 each				PK006-4
*Square Pin Lead Set		1 each	1 each				Dx10-SP, Dx20-SP
*Instruction Manual		1 each	1 each			1 each	WL6G-OM-E
*Accessory Info Sheet & Quick Start Guide	•	1 each	1 each				921489-00 (Dx10), 921488-00(Dx20)
Positioner Tip with Accessories			1 each	1 each			RK-Dx10-PT-KIT, RK-Dx20-PT-KIT
(kit includes items below with <sup>†</sup> )							
<sup>†</sup> Positioner Tip Browser			1 each	1 each			Dx10-PT, Dx20-PT
<sup>†</sup> Replacement Pogo-pins for Dx10-PT/Dx20	)-PT		1 set	1 set			Dxx0-PT-TIPS
<sup>†</sup> Positioner Tip Probe Guides			1 set	1 set			Dxx0-PT-GUIDES
<sup>†</sup> XYZ Positioner			1 each	1 each			Dxx0-PT-XYZ-POSITIONER
<sup>†</sup> Adhesive Tape for XYZ Positioner			1 each	1 each			Dxx0-PT-TAPE
<sup>†</sup> Browser Wand for PT Tip			1 each	1 each			Dxx0-PT-WAND
<sup>†</sup> Interlock Pieces for PT Tip			1 each	1 each			Dxx0-PT-INTERLOCK
<sup>†</sup> Swivel for PT Tip			1 each	1 each			Dxx0-PT-SWIVEL
Platform/Cable Assembly Kit	1 each		1 each	1 Cuch			WL-PLINK-CASE or WL-BUS-CASE
(includes items below with‡)	1 Cuch		i cach				
+Platform/Cable Assembly	1 each		1 each				
‡Freehand Probe Holder	1 each		1 each				PACC-MS001
‡Probe Deskew Fixture	1 each		1 each				PCF200
<pre>‡Platform/Cable Assembly Mounting Clip</pre>	1 each		1 each		1 each	1 each	PK600ST-4 includes clips and clamps
<pre>#Probe Cable Clamp</pre>	2 each		2 each	-	1 each	1 each	PK600ST-4 includes clips and clamps
‡Deluxe Soft Carrying Case	1 each		1 each				SAC-03
‡Foam Insert for Deluxe Case	1 each		1 each				921081-00 (WL-PLINK-CASE) or 921079-00 (WL-PBUS-CASE)
Protective Storage Case	1 each		1 each				921083-00
*Plastic Tray for Storage Case	1 each		1 each				921078-00
HiTemp Solder-In Lead					1 each		Dx10-SI-HiTemp, Dx20-SI-HiTemp
HiTemp Cable					1 matched set		Dxx0-Cable-HiTemp
Calibration Certificate							See Ordering Information

Recommended Accessories

Deskew Test Fixture

6 Cascade Microtech EZ-Probe Positioner

### **SPECIFICATIONS**

			D 440 D 440 D0	D 400 D 400 D0	DOGGA AT	Doord AT
Bandwidth*	D610, D610-PS Dx10-SI and	D620, D620-PS Dx20-SI and	D410, D410-PS Dx10-SI, Dx10-HiTemp,	D420, D420-PS Dx20-SI, Dx20-HiTemp,	6 GHz	<b>D300A-AT</b> 3 GHz
Probe only, guaranteed) System bandwidth, typical)	Dx10-SI and Dx10-PT Tips 6 GHz	Dx20-Si and Dx20-PT Tips 6 GHz		Dx20-OC and Dx20-PT Tips 4 GHz	0 012	3 6112
	Dx10-HiTemp 5 GHz	Dx20-HiTemp 5 GHz	Dx10-SP Tip 3 GHz	Dx20-SP Tip 3 GHz		
	Dx10-QC Tip 4 GHz	Dx20-QC Tip 4 GHz				
	Dx10-SP Tip 3 GHz	Dx20-SP Tip 3 GHz				
Rise Time* (10–90%)	Dx10-SI and Dx10-PT Tips 75 ps (typical)	Dx20-SI and Dx20-PT Tips 75 ps (typical)	Dx10-SI, Dx10-HiTemp, and Dx10-PT Tips 112 ps (typical)	Dx20-SI, Dx20-HiTemp, and Dx20-PT Tips 112 ps (typical)	<75 ps (typical)	<149 ps (typical)
	<b>Dx10-HiTemp</b> 90 ps (typical)	<b>Dx20-HiTemp</b> 90 ps (typical)	<b>Dx10-QC Tip</b> 122.5 ps (typical)	<b>Dx20-QC Tip</b> 122.5 ps (typical)		
	<b>Dx10-QC Tip</b> 122.5 ps (typical)	Dx20-QC Tip 122.5 ps (typical)	<b>Dx10-SP Tip</b> 150 ps (typical)	<b>Dx20-SP Tip</b> 150 ps (typical)		
	<b>Dx10-SP Tip</b> 150 ps (typical)	Dx20-SP Tip 150 ps (typical)				
Rise Time* (20–80%)	Dx10-SI and Dx10-PT Tips 56 ps (typical)	Dx20-SI and Dx20-PT Tips 56 ps (typical)	Dx10-SI, Dx10-HiTemp, and Dx10-PT Tips 84 ps (typical)	Dx20-SI, Dx20-HiTemp, and Dx20-PT Tips 84 ps (typical)	56 ps (typical)	112 ps (typical)
	<b>Dx10-HiTemp</b> 67.5 ps (typical)	<b>Dx20-HiTemp</b> 67.5 ps (typical)	<b>Dx10-QC Tip</b> 92 ps (typical)	<b>Dx20-QC Tip</b> 92 ps (typical)		
	<b>Dx10-QC Tip</b> 92 ps (typical)	<b>Dx20-QC Tip</b> 92 ps (typical)	<b>Dx10-SP Tip</b> 113 ps (typical)	<b>Dx20-SP Tip</b> 113 ps (typical)		
	<b>Dx10-SP Tip</b> 113 ps (typical)	Dx20-SP Tip 113 ps (typical)				
Noise (System)	<pre>&lt;36 (typical) &lt;36 nV/\Hz (2.8 mVrms) (typical) Referred to input, 6 GHz bandwidth</pre>	<ul> <li>&lt;61 nV/Hz</li> <li>(4.8 mV<sub>rms</sub>) (typical) Referred to input, 6 GHz bandwidth</li> </ul>	<36 nV/√Hz (2.3 mV <sub>rms</sub> ) (typical) Referred to input, 4 GHz bandwidth	<pre>&lt;67 nV/√Hz (4.3 mV<sub>rms</sub>) (typical) Referred to input, 4 GHz bandwidth</pre>	<74 nV/√Hz (5.8 mV <sub>rms</sub> ) (typical) Referred to input, 6 GHz bandwidth	<74 nV/√Hz (4.1 mV <sub>rms</sub> ) (typical Referred to input, 3 GHz bandwidth
nput						
nput Dynamic Range Nominal)	2.5V <sub>pk-pk</sub> , ±1.25V	5V <sub>pk-pk</sub> , ±2.5V	2.5V <sub>pk-pk</sub> , ±1.25V	5V <sub>pk-pk</sub> , ±2.5V	4.8V <sub>pk-p</sub>	k, ±2.4V
nput Common Mode Voltage Range (Nominal)		±4 V			±2.4 Vmax	
nput Offset Voltage Range		±3 V Dif	ferential (nominal)		n,	/a
Non-destructive Input Range (Nominal)			±20 V		±1	8 V
Attenuation	1.7X / 1.0X (nominal)	3.2X / 1.9X (nominal)	1.7X / 1.0X (nominal)	3.2X / 1.9X (nominal)	2.	5X
DC Input Resistance			Ω Differential			ferential
Nominal) mpedance	Dx10-SI Lead,	Dx20-SI Lead,	Common Mode Dx10-SI Lead,	Dx20-SI Lead,	2 kΩ Com >200 Ω Differential	$>650 \Omega$ Differentia
Zmin, typical)	<b>Dx10-HiTemp</b> >175 Ω Differential <sup>†</sup>	<b>Dx20-HiTemp</b> >250 $\Omega$ Differential <sup>†</sup>	<b>Dx10-HiTemp</b> >200 $\Omega$ Differential <sup>†</sup>	<b>Dx20-HiTemp</b> >350 Ω Differential <sup>†</sup>		through entire frequency range
	<b>Dx10-PT Tip</b> >175 $\Omega$ Differential <sup>†</sup>	<b>Dx20-PT Tip</b> >175 Ω Differential <sup>†</sup>	<b>Dx10-PT Tip</b> >175 Ω Differential <sup>†</sup>	<b>Dx20-PT Tip</b> >175 Ω Differential <sup>†</sup>		
	<b>Dx10-QC Tip</b> >125 $\Omega$ Differential <sup>†</sup>	Dx20-QC Tip >125 Ω Differential <sup>†</sup>	Dx10-QC Tip >100 Ω Differential <sup>†</sup>	<b>Dx20-QC Tip</b> >100 Ω Differential <sup>†</sup> <b>Dx20-SP Tip</b>		
	<b>Dx10-SP Tip</b> >40 Ω Differential <sup>†</sup>	<b>Dx20-SP Tip</b> >40 Ω Differential <sup>†</sup>	<b>Dx10-SP Tip</b> >40 Ω Differential <sup>†</sup>	>40 Ω Differential <sup>†</sup>		
Impedance (Mid-band, typical)	<b>Dx10-SI Lead,</b> <b>Dx10-HiTemp</b> 275 Ω at 3 GHz, 175 Ω at 6 GHz	<b>Dx20-SI Lead,</b> <b>Dx20-HiTemp</b> 475 Ω at 3 GHz, 250 Ω at 6 GHz	<b>Dx10-SI Lead,</b> <b>Dx10-HiTemp</b> 400 Ω at 2 GHz, 200 Ω at 4 GHz	<b>Dx20-SI Lead,</b> <b>Dx20-HiTemp</b> 700 Ω at 2 GHz, 350 Ω at 4 GHz	650 Ω at 3 GHz, 200 Ω at 6 GHz (Differential)	1500 Ω at 1.5 GHz 650 Ω at 3 GHz (Differential)
	<b>Dx10-PT Tip</b> 200 Ω at 3 GHz, 200 Ω at 6 GHz	<b>Dx20-PT Tip</b> 200 Ω at 3 GHz, 200 Ω at 6 GHz	<b>Dx10-PT Tip</b> 275 Ω at 2 GHz, 175 Ω at 4 GHz	<b>Dx20-PT Tip</b> 275 Ω at 2 GHz, 175 Ω at 4 GHz		
	<b>Dx10-QC Tip</b> 125 Ω at 3 GHz, 125 Ω at 6 GHz	<b>Dx20-QC Tip</b> 125 Ω at 3 GHz, 200 Ω at 6 GHz	<b>Dx10-QC Tip</b> 150 Ω at 2 GHz, 125 Ω at 4 GHz	<b>Dx20-QC Tip</b> 150 Ω at 2 GHz, 150 Ω at 4 GHz		
	<b>Dx10-SP Tip</b> 40 Ω at 3 GHz, 100 Ω at 6 GHz	D <b>x20-SP Tip</b> 40 Ω at 3 GHz, 175 Ω at 6 GHz	<b>Dx10-SP Tip</b> 75 Ω at 2 GHz, 15 Ω at 4 GHz	<b>Dx20-SP Tip</b> 75 Ω at 2 GHz, 15 Ω at 4 GHz		
CMRR (Typical)		to 10 MHz o 6 GHz		to 10 MHz o 4 GHz	>40 dB DC to 1 GHz >30 dB to 3 GHz >20 dB to 6 GHz	>40 dB DC to 1 GHz >30 dB 1 to 3 GHz
Invironmental						
Temperature			perating: 0 °C to 40 °C; Non-op			
Humidity ESD Tolerance		Operat Non-operating: 5% to	ing: 5% to 80% RH (non-conde 95% RH (non-condensing), 75 2 kV (typical), 100 pF,	% RH above 30 °C and 45% F	H above 40 °C	
Dimensions						
Dx10-PT/Dx20-PT Positioner Tip and Dx00A-AT Browser		0 to 3.5 mm (0 to 0.1 0.55 mm (0.0	4"), 305 µm (0.012") diameter 22") Z-axis compliance		0 to 3.0 mm (0 to 0.1 2 mm Z-axis	2"), 75 µm diameter compliance
Dx10-SI/Dx20-SI Dx10-QC/Dx20-QC Tips			) tip spread at circuit connectio	n		A
Cable Length			(4 ft. 3 in) for both WL-PLink an	, , ,		7

 Cable Length
 1.3 m (4 ft. 3 in) for both WL-PLink and WL-P

 \* All Bandwidth and Rise Time measurements are made with an oscilloscope bandwidth greater or equal to the probe bandwidth

 \* Through entire frequency range

### **ORDERING INFORMATION**

Product Description	Product Code	
Complete Probe Systems		
4 GHz Complete Probe System with Dx10-SI Solder-In Tip (Qty. 1) Dx10-SP Square Pin (Qty. 1), Dx10-QC Quick Connect (Qty. 1), and Dx10-PT-KIT Positioner Tip Browser (Qty. 1)		
4 GHz Complete Probe System with Dx20-SI Solder-In Tip (Qty. 1) Dx20-SP Square Pin (Qty. 1), Dx20-QC Quick Connect (Qty. 1), and Dx20-PT-KIT Positioner Tip Browser (Qty. 1)		
6 GHz Complete Probe System with Dx10-SI Solder-In Tip (Qty. 1) Dx10-SP Square Pin (Qty. 1), Dx10-QC Quick Connect (Qty. 1), and Dx10-PT-KIT Positioner Tip Browser (Qty. 1)		
6 GHz Complete Probe System with Dx20-SI Solder-In Tip (Qty. 1) Dx20-SP Square Pin (Qty. 1), Dx20-QC Quick Connect (Qty. 1), and Dx20-PT-KIT Positioner Tip Browser (Qty. 1)		
Amplifier and Probe Tip Modules		
WaveLink D410 4 GHz/2.5Vp-p Differential Probe Amplifier with Dx10-SI Solder-In Tip (Qty. 1), Dx10-SP Square Pin (Qty. 1), and Dx10-QC Quick Connect (Qty. 1)	D410	
WaveLink D420 4 GHz/5Vp-p Differential Probe Amplifier with Dx20-SI Solder-In Tip (Qty. 1), Dx20-SP Square Pin (Qty. 1), and Dx20-QC Quick Connect (Qty. 1)	D420	
WaveLink D610 6 GHz/2.5Vp-p Differential Probe Amplifier with Dx10-SI Solder-In Tip (Qty. 1), Dx10-SP Square Pin (Qty. 1), and Dx10-QC Quick Connect (Qty. 1)	D610	
WaveLink D620 6 GHz/5Vp-p Differential Probe Amplifier with Dx20-SI Solder-In Tip (Qty. 1), Dx20-SP Square Pin (Qty. 1), Dx20-QC Quick Connect (Qty. 1)	D620	
WaveLink D300A-AT 3 GHz/4.8Vp-p Differential Amplifier Module with Adjustable Tip	D300A-AT	
WaveLink D600A-AT 6 GHz/4.8Vp-p Differential Amplifier Module with Adjustable Tip	D600A-AT	
Positioner Tip (Browser) Kits		
WaveLink Dx10-PT Adjustable Positioner Tip Kit.	Dx10-PT-KIT	

WaveLink Dx10-PT Adjustable Positioner Tip Kit.	Dx10-P1-KII
For use with Dx10 amplifiers.	
WaveLink Dx20-PT Adjustable Positioner Tip Kit.	Dx20-PT-KIT
For use with Dx20 amplifiers.	

#### **Probe Platform/Cable Assemblies and Adapters**

WaveLink ProLink Platform/Cable Assembly Kit with	WL-PLINK-CASE
complete soft carrying case for all probe items.	
WaveLink ProBus Platform/Cable Assembly Kit with complete soft carrying case for all probe items.	WL-PBUS-CASE

#### **Hi-Temp Leads**

WaveLink Temperature Extension Cables for Dx10. Includes set of Matched 30" High Temperature Cables (Qty. 1) and solder-in lead set (Qty. 1)	Dx10-HiTemp
WaveLink Temperature Extension Cables for Dx20.	Dx20-HiTemp

	DAZOTITIOTIP
Includes set of Matched 30" High Temperature Cables (Qty. 1)	
and solder-in lead set (Qty. 1)	

Product Description	Product Code
Accessories	
Cascade Microtech EZ-Probe Positioner	EZ PROBE
Probe Deskew and Calibration Test Fixture	TF-DSQ
Calibration Options	
NIST Calibration for D410. Includes test data.	D410-CCNIST
NIST Calibration for D420. Includes test data.	D420-CCNIST
NIST Calibration for D610. Includes test data.	D610-CCNIST
NIST Calibration for D620. Includes test data.	D620-CCNIST
NIST Calibration for D300A-AT. Includes test data.	D300A-AT-CCNIST
NIST Calibration for D600A-AT. Includes test data.	D600A-AT-CCNIST
Replacement Parts	
Replacement Dx10-SI 4 & 6 GHz Solder-In Lead with Qty. 5 Spare Resistors.	Dx10-SI
Replacement Dx20-SI 4 & 6 GHz Solder-In Lead with Qty. 5 Spare Resistors.	Dx20-SI
Replacement Dx10-QC 4 & 6 GHz Quick Connect Lead	Dx10-QC
Replacement Dx20-QC 4 & 6 GHz Quick Connect Lead	Dx20-QC
Replacement Dx10-SP 4 & 6 GHz Square Pin Lead	Dx10-SP
Replacement Dx20-SP 4 & 6 GHz Square Pin Lead	Dx20-SP
Replacement SI Resistor Kit for Dx10/Dx20 - Kit of 5	PKxx0-SI
Replacement QC Resistor Kit for Dx10/Dx20 - Kit of 5	PKxx0-QC
Qty. 4 Replacement Pogo Pin Tips and Qty. 2 Replacement Sockets for Dx10-PT and Dx20-PT Adjustable Positioner Tips.	Dxx0-PT-TIPS
Replacement Probe Tip Holder Kit	PK600ST-3
Replacement Platform/Cable Assembly Mounting Kit	PK600ST-4
Quantity 1 Package of Black Adhesive Pads (10/pkg) and Quantity 1 Package of White Adhesive Pads (10/pkg)	Dxx0-PT-TAPE
Quantity 1 Package of Adhesive Probe Connection Guides (200 individual guides/package)	Dxx0-PT-GUIDES

Guides (200 individual guides/package)

#### **Customer Service**

Teledyne LeCroy oscilloscopes and probes are designed, built, and tested to ensure high reliability. In the unlikely event you experience difficulties, our digital oscilloscopes are fully warranted for three years and our probes are warranted for one year.

This warranty includes:

- No charge for return shipping
- Long-term 7-year support
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