

GRL Approved by USB-IF to Provide USB4™ Cable & E-marker Silicon Certification Test Services

SANTA CLARA, Calif., September 15, 2020 – [Granite River Labs \(GRL\)](#), a global leader in engineering services and test solutions for connectivity and charging, today announced that it has been approved by USB Implementers Forum (USB-IF) to perform official USB4™ Cable and USB4™ E-marker Silicon certification tests.

USB4™ Cable	USB4™ E-marker Silicon
GRL Dongguan	GRL Dongguan
	GRL Santa Clara
	GRL Taiwan
	GRL Shanghai
	GRL Yokohama

Although there is no USB Type-C® connector certified for USB4™, the USB-IF has opened the USB4™ Passive Cable testing for official certification in order to make the USB4™ ecosystem complete. During the certification process, if your USB4™ Cable can pass the listed test items and a [Certified Connector Waiver Letter](#) is provided, it may be sent to the USB-IF for certification. Note all USB4™ Cables need to use an approved USB4™ E-marker Silicon.

The table below lists the USB4™ Cable and USB4™ E-marker Silicon certification test content. For testing or technical support, please contact info@graniteriverlabs.com

USB Cable & Connector Test Items

Test Group	USB 2.0 USB Type-C Cable	USB 3.2 USB4 Gen2 USB Type-C Cable	USB 2.0 USB 3.2 USB Type-C Connector	USB4 Gen3 USB Type-C Cable
A1			⊙	
A2			⊙	
A3			⊙	
A4			⊙	

A5				
A6				
A7			⊙	
A8				
B1	⊙	⊙	⊙	⊙
B2	⊙	⊙		⊙
B3		⊙		
B4		⊙		⊙
B5	⊙	⊙	⊙	⊙
B6			⊙	
B7	⊙	⊙	⊙ (Plug)	⊙
B8				New! ⊙

USB E-marker Cable & Silicon USB Power Delivery Test Items

	USB PD 3.0 E-marker	USB Type-C Cable with E-marker	USB4 USB PD E-marker	USB4 USB Type-C Cable with E-marker
USB PD 2.0 Communications Test	⊙	⊙	⊙	⊙
USB PD 2.0 Deterministic Test	⊙	⊙	⊙	⊙

USB Type-C Functional Test			New! ⊙	New! ⊙
End Product Cable Test (QuadraMax)		⊙		New! ⊙
USB PD 3.0 Test	⊙	⊙	⊙	⊙

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Disclaimer

This information is provided for reference only. This information is not and should not be regarded as an official communication of the USB Implementers Forum (USB-IF). The official communication of USB-IF can be obtained from its website usb.org or directly from USB-IF.

About [Granite River Labs](#)

The world's leading Engineering Services and Test Automation Solutions firm for connectivity and charging, GRL helps engineers solve tough design and validation challenges. GRL began in 2010 with a vision to provide affordable test services to help hardware developers implement digital interface technologies as they become faster, more complex, and more challenging to test. Today, GRL has worked with hundreds of companies supporting the adoption of new and emerging technologies from their worldwide test facilities and R&D centers.

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