

Comprehensive Test Range and Test Items:

● Electrical Test



- Capacitance Test
- Voltage Drop Test
- Rise Time Test
- Resistance Test
- Insulation Resistance Test
- Low Level Contact Resistance Test
- Rated Load Test
- Dielectric Withstanding Voltage Test
- Contact Current Rating Test
- Discontinuities Test
- Cable Impedance Test
- Connector Impedance Test
- Common Mode Impedance Test
- Cable Pair Matching Impedance Test
- Eye Diagram Test
- Propagation Delay
- Intra-pair skew
- Inter-pair skew
- Attenuation
- Insertion Loss Test
- Return Loss
- Inter-Symbol Interference Test
- Near-End Crosstalk
- Far-End Crosstalk
- Differential to Common Mode Conversion
- Differential / Common Mode Return Loss Test

● Mechanical Test



Contact Characterization

- Normal Force Test
- Insertion Force / Extraction Force Test
- Retention Force Test
- Cable Pull-out Test
- Cable Flex Test
- Durability Test

Plating Analysis

- Solder-ability Test
- Visual & Dimensional Inspection
- Section & Critical Dimension Test

Vibration and Shock

4-Axis Test (USB-IF Specification)



- Shock Test
- Vibration Test

● **Environmental Test**



Harsh Environment Testing

- Salt Spray Test
- Mixed Flowing Gas Test

Humidity Testing

- Humidity Test
- Damp Heat Test

Thermal Environment Testing

- Thermal Shock Test
- Cold Test
- Dry Heat Test
- Temperature Life Test
- Temperature Disturbance Test
- Temperature Cycling

Accelerated Life Testing

- Steam/Thermal Ageing Test