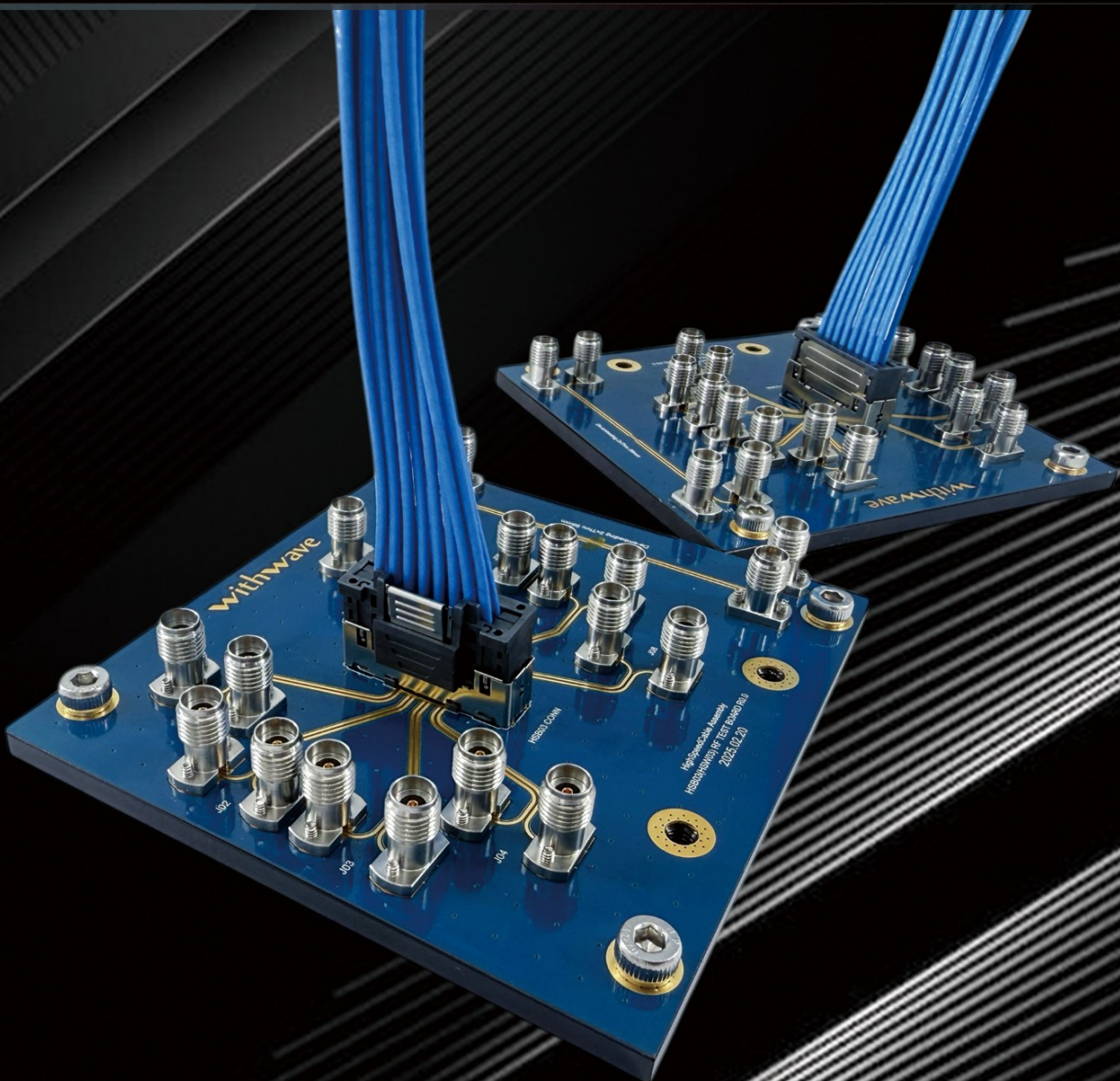


High Speed Cable Assembly



High Speed Cable Assembly

- High Speed 0.6mm pitch System (HSW03)



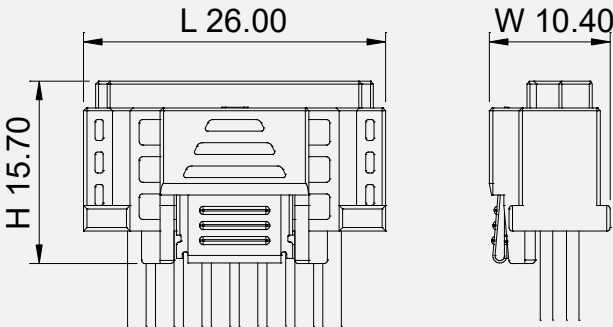
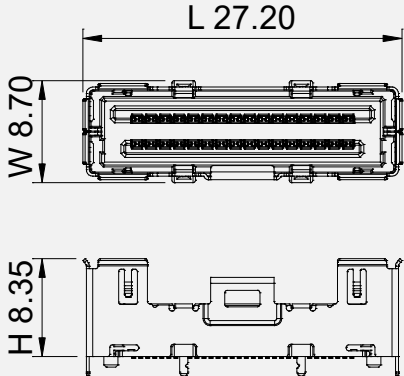
112Gbps (PAM4)

Features

- Higher bandwidth application : 112Gbps PAM4
- 16 differential pairs
- Pitch : 0.6mm x 2.1mm
- Differential pair 100 Ohm nominal impedance
- Cable Type : 32AWG Differential cable

Connector type	Part No.
PLUG _ VERTICAL	HSW03_P064S
BOARD CONNECTOR	HSB03_R064S

External dimensions

PLUG _ VERTICAL (HSW03_P064S)	BOARD CONNECTOR (HSW03_P064S)
	

• Specification

• Electrical Performance

Test items	International Standard	Test Condition
Contact Resistance (Low Level)	EIA-364-23	Voltage : 20 mV Max., Current : 100 mA
Insulation Resistance	EIA-364-21	Test Voltage : 250Vrms Test Time : 60Sec.
Withstanding Voltage (Dielectric)	EIA-364-20	Test Voltage : 200Vrms Test Time : 60Sec.
Temperature Rise	EIA-364-70 Test Condition 3	Current : 0.9A Temperature rise : 30 °C

• Mechanical Performance

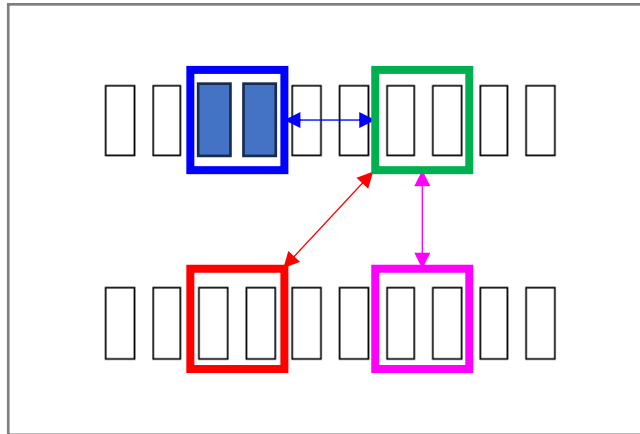
Test items	International Standard	Test Condition
Durability	EIA-364-09	Mating Cycle : 200 Cycles Min.
Mating Un-mating	EIA-364-13	Mate and un-mate connector at a rate of 25 ± 6 mm per minute - Mating Force 0.30N max. per contact - Un-mating Force 0.15N min. per contact

• Environmental

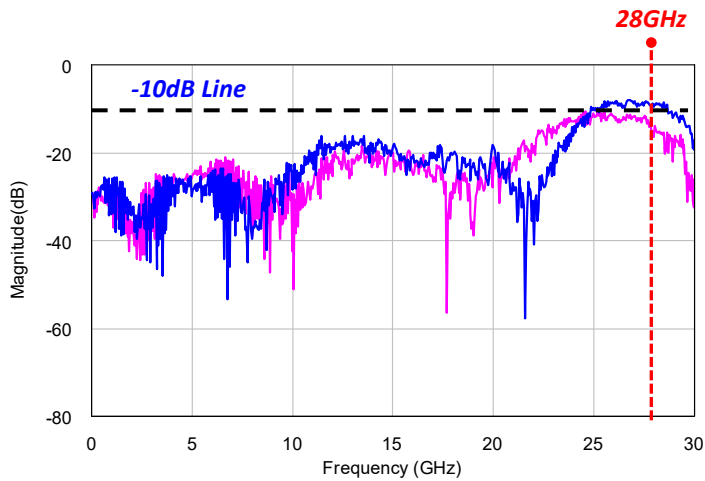
Test items	International Standard	Test Condition
Vibration	EIA-364-28 Test Condition III	Vibration amplitude : 15G acceleration Frequency range : 15 – 2000 - 15Hz, 15minutes. (X, Y, Z)
Mechanical Shock	EIA-364-27 Test Condition A	490m/s ² (50G) Normal Duration of 11ms (X, Y, Z)
Thermal Shock	EIA-364-32 Method A Test condition I	Test Temperature : -55°C ~ +85°C Test Time Condition : 1/2 Hours Test Duration : 25cycles
Temperature life	EIA-364-17	Test Temperature : 105 ± 2°C Test Time Condition : 250Hours

• Test Result

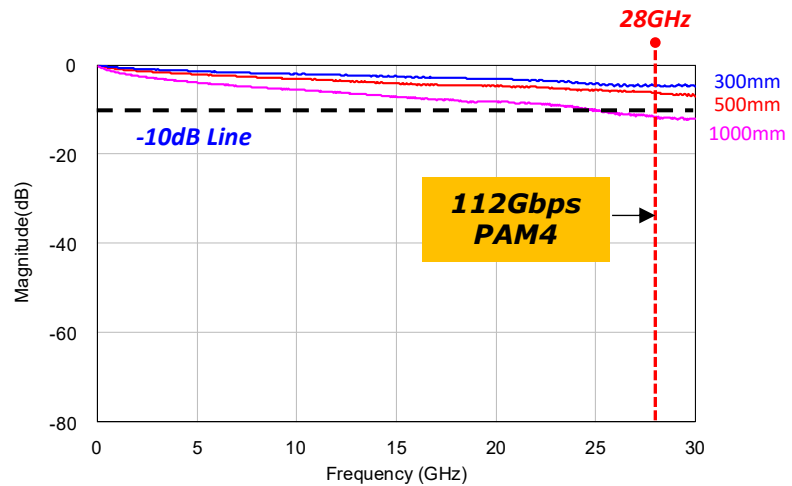
• High Speed Characterization



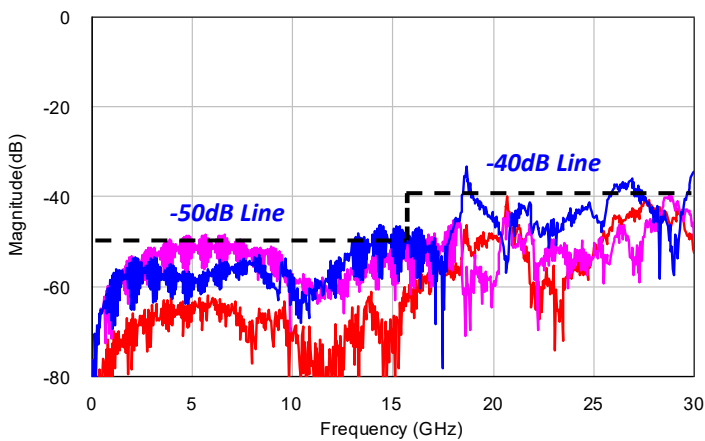
Return Loss



Insertion Loss



Near-End Cross Talk



Far-End Cross Talk

