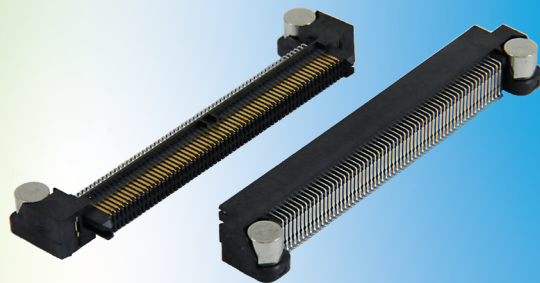




HSER™

Series 2386



High Speed Board-to-Board

Specification

Insulator Material:
Housing: Black Liquid Crystal Polymer, UL94V-0

Signal Contact:
Contact Material: Phosphor Bronze
Contact Plating: Au over 50 μ" (1.27μm) Ni
Solder Tail Plating: Matte Tin over 50 μ" (1.27μm) Ni

Counterweight Material:
Brass

Latch Material:
Brass

Mounting Type:
SMD

Current Rating:
1.4 A / pin (6 adjacent powered pins)

Operating Temperature:
-55°C ~ +125°C

Voltage Rating:
900V AC

Mating Cycles:
500

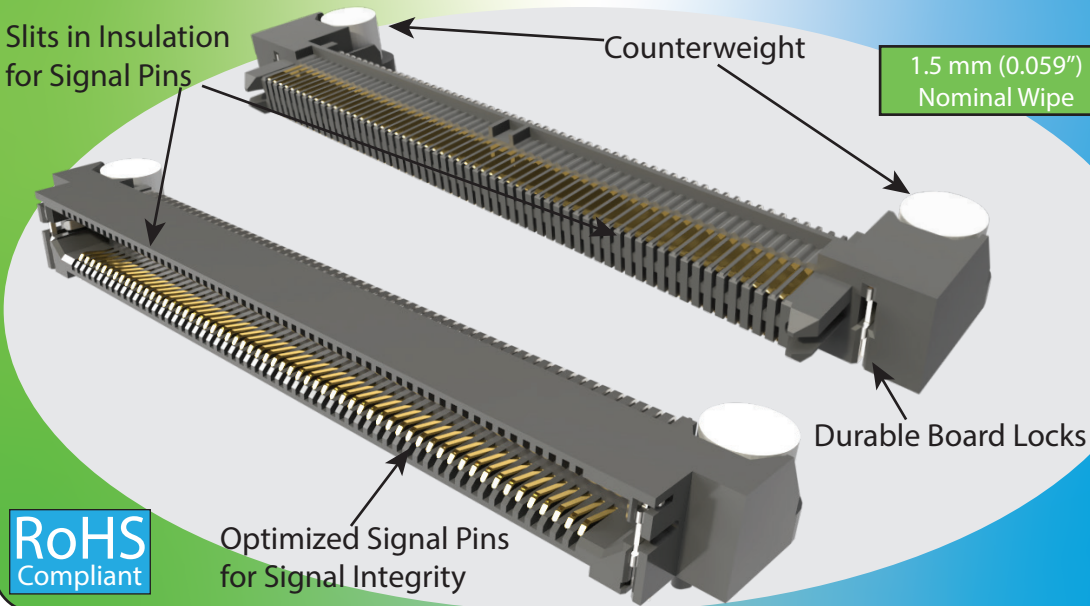
Insertion Force:
36N max.

Extraction Force:
6N min.

Slits in Insulation for Signal Pins

Counterweight

1.5 mm (0.059")
Nominal Wipe



RoHS
Compliant

Optimized Signal Pins for Signal Integrity

HSER™ Series	
Pitch	0.80 mm (.0315")
Pin Count	120
Profile Height	6.25 mm (0.246")

High Speed Performance

28 Gbps
Differences in SI Testing Boards Result in Differences in Measured Speed.

Options

Contact Plating:
10μ" Gold
30μ" Gold

Male Signal Pin Length:
0.65 mm — Ground Pin Length is 0.65 mm

Packaging:
Tape & Reel

Other:
Pick & Place Mylar Pad Lock
Guide Pin
Metal Post
Extended Guide Post (Female Only)

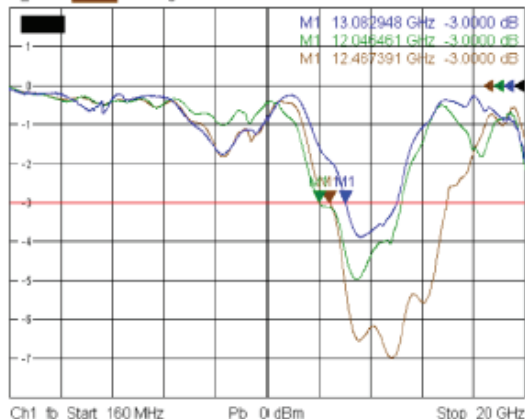
* Refer to Product Drawings for Specific Details

Product Specification, Drawings, Certifications, Test Reports and SI Report Available Upon Request

SI Report

Differential Pair Insertion Loss GSSG

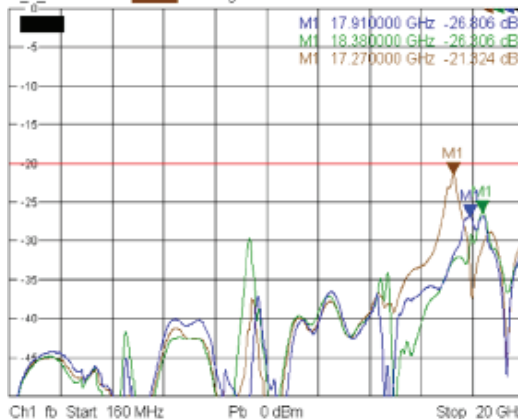
O_5880 Sdd21 dB Mag 1 dB / Ref 0 dB
S_5880 Sdd21 dB Mag 1 dB / Ref 0 dB
H_5880 Sdd21 dB Mag 1 dB / Ref 0 dB



Loss	Oupiin	Competitor 1	Competitor 2
-3dB	13.08 GHz	12.04 GHz	12.46 GHz

Differential Pair Near End Crosstalk GAAGQQG

O_L_GAAGQQG Sdd21 dB Mag 5 dB / Ref 0 dB
S_L_GAAGQQG Sdd21 dB Mag 5 dB / Ref 0 dB
H_L_GAAGQQG Sdd21 dB Mag 5 dB / Ref 0 dB



Standard value: ≤ -20dB to 20 GHz

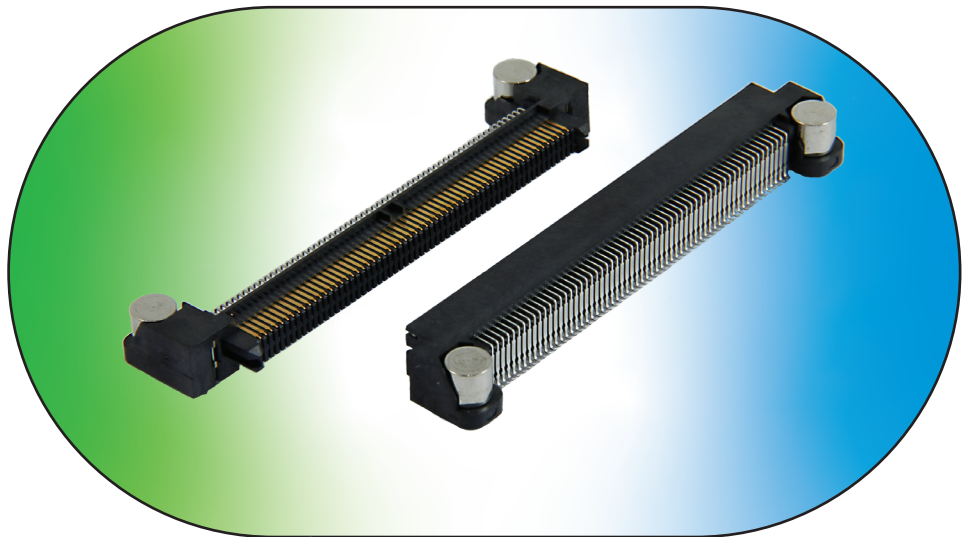
Loss	Oupiin	Competitor 1	Competitor 2
Standard Value	17.91 GHz	18.38 GHz	17.27 GHz



High Speed Transmission Board-to-Board Solution 2386

Oupiin's 2386 is designed for high transmission speed applications where signal integrity is imperative. 2386 series connectors are high density connectors that make use of counterweights to save air space, board locks to ensure effective contact points, and signal pins optimized for clean transmission.

- High Transmission Speed up to 30 Gbps
- ISO, IATF, OHSAS, & UL Certified Manufacturer
- Reliability Assured by On-Site Testing
- High Density, Small Board Real Estate Impact
- Convenient Low Profile of 6.25 mm (0.246")



Applications

Network Systems (Hubs, Switches, Routers, and Bridges)



- High-End Servers
- Telecomm

High-Resolution Graphics



- AV Technology
- Storage

Power Supplies



- Industrial Controllers
- Workstations