CABLINE[®]-VS

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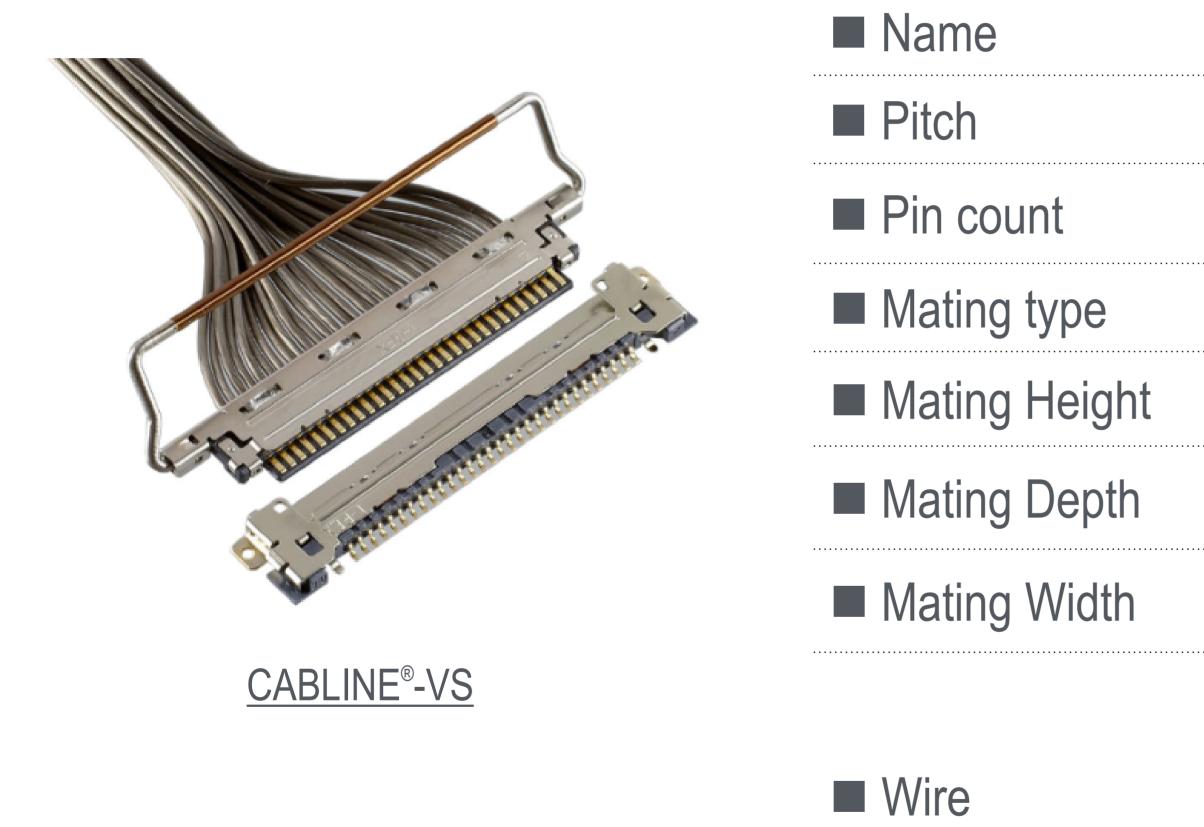


0.5 mm pitch, Micro-coax connector



CABLINE[®]-VS : Product Summary

0.5 mm pitch, Micro-coaxial connector with mechanical lock bar 16:9 display VESA standard connector.



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CABLINE[®]-VS

0.5 mm

20, 30, 40, 50 pin

Horizontal mating type

1.0 mm +/- 0.1 mm

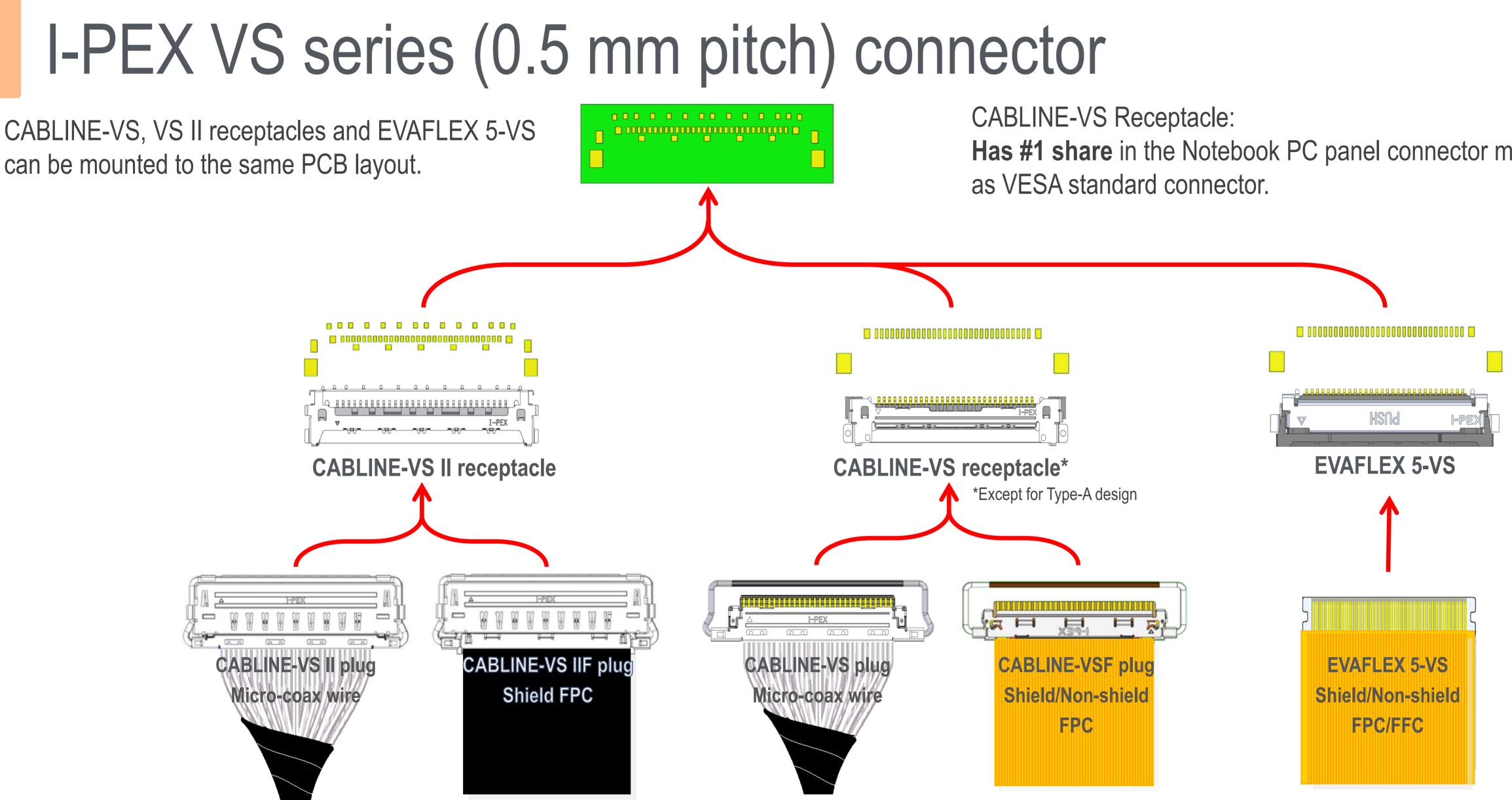
5.8 mm *including pull bar

7.55 mm + (0.5 * ?p) *including pull bar

Micro-coax 45Ω AWG #36 or smaller wire Micro-coax 50 Ω AWG #38 or smaller wire Twincoax AWG #40 Discrete AWG #32 or smaller wire







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Has #1 share in the Notebook PC panel connector market

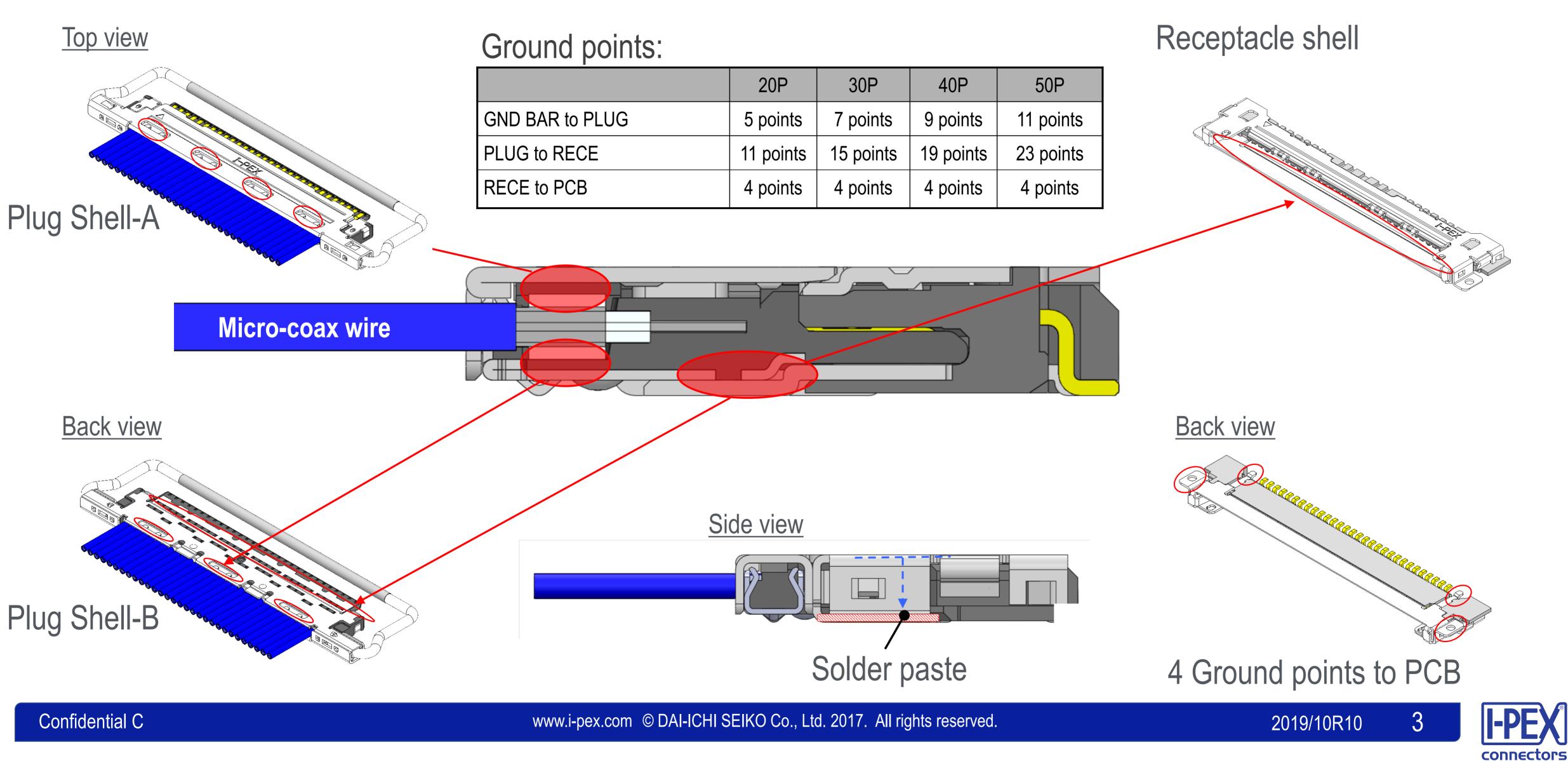


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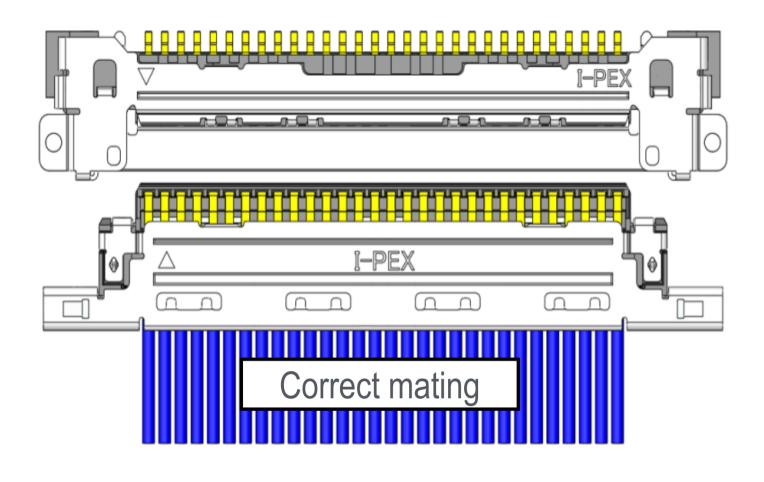


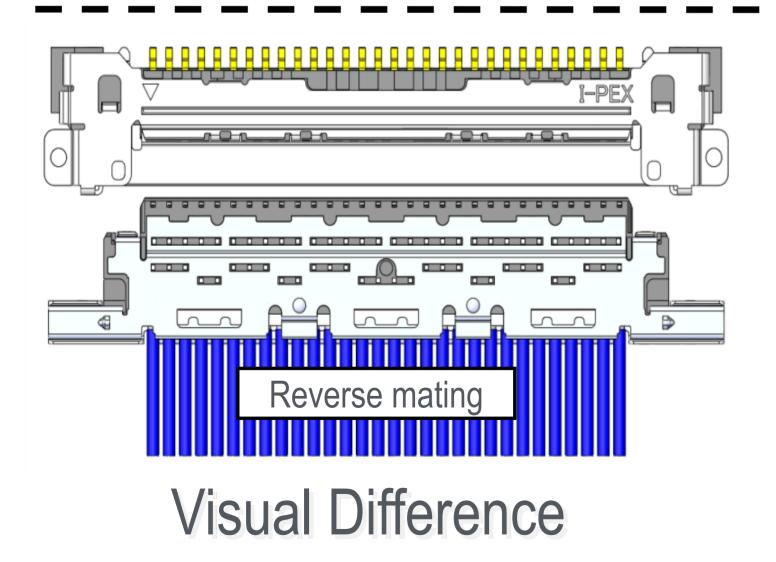


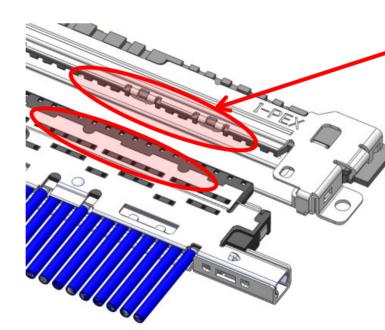
Multi ground path design



Anti reverse mating design

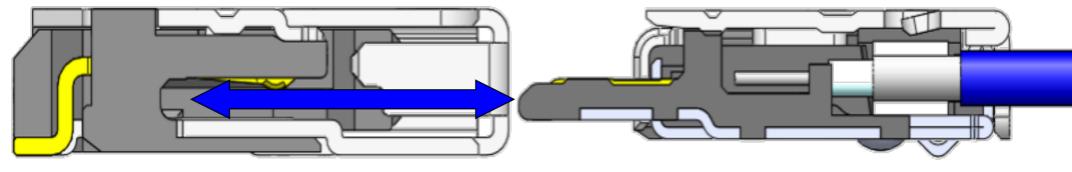




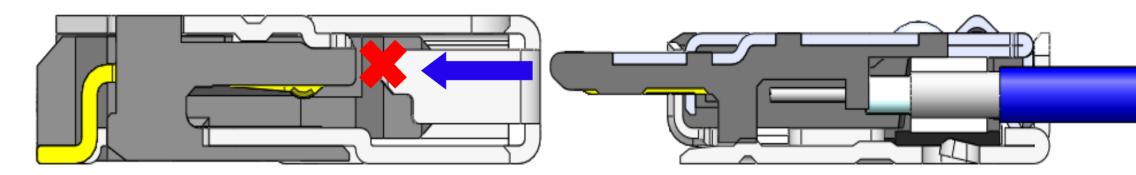


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Smooth plug insertion when plug is mated in correct way.



First, Plug shell hits to Rece shell when mated reverse way. Then, Rece housing stops plug from full mating.



Vertical offset plug design

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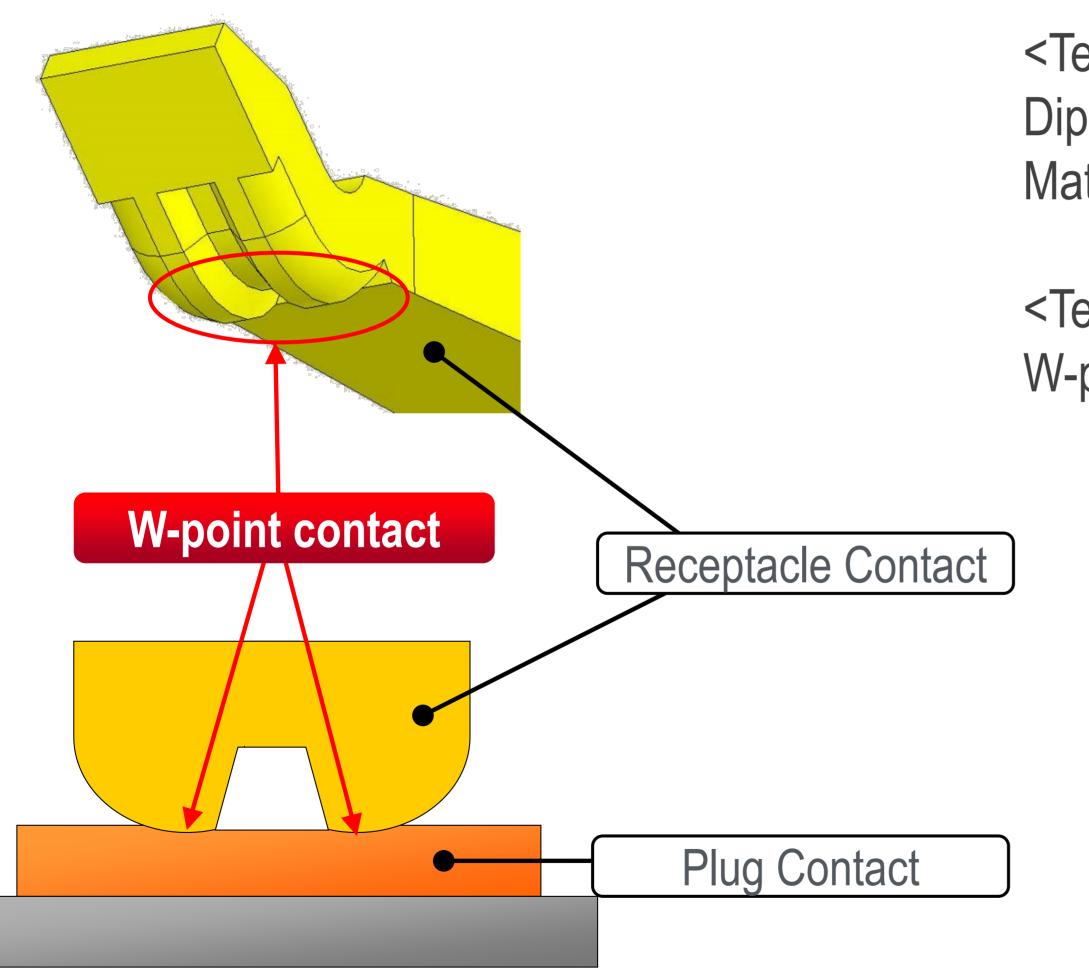






Reliable contact design





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Comparison of W-point contact and single-point contact in a harsh test.

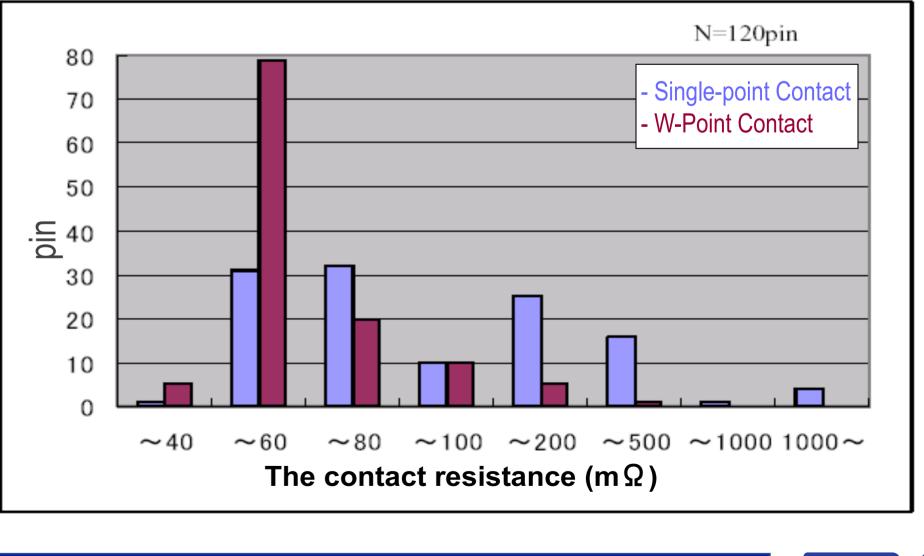
<Test method>

Dip plug in the flux for 1 minutes and let dry for 24 hours.

Mate plug with receptacle and measure contact resistance.

<Test Result>

W-point contact provides better result than single-point contact.

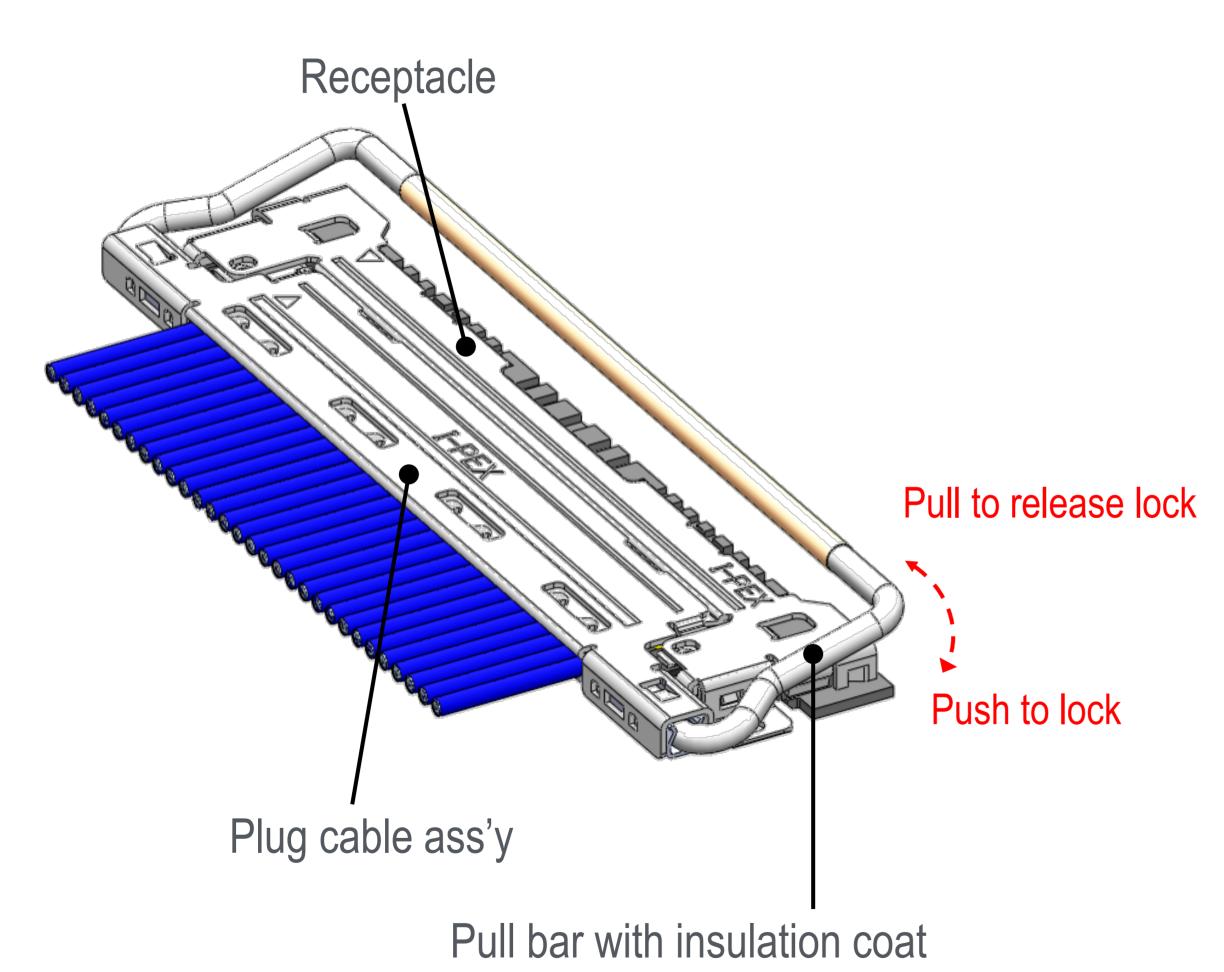


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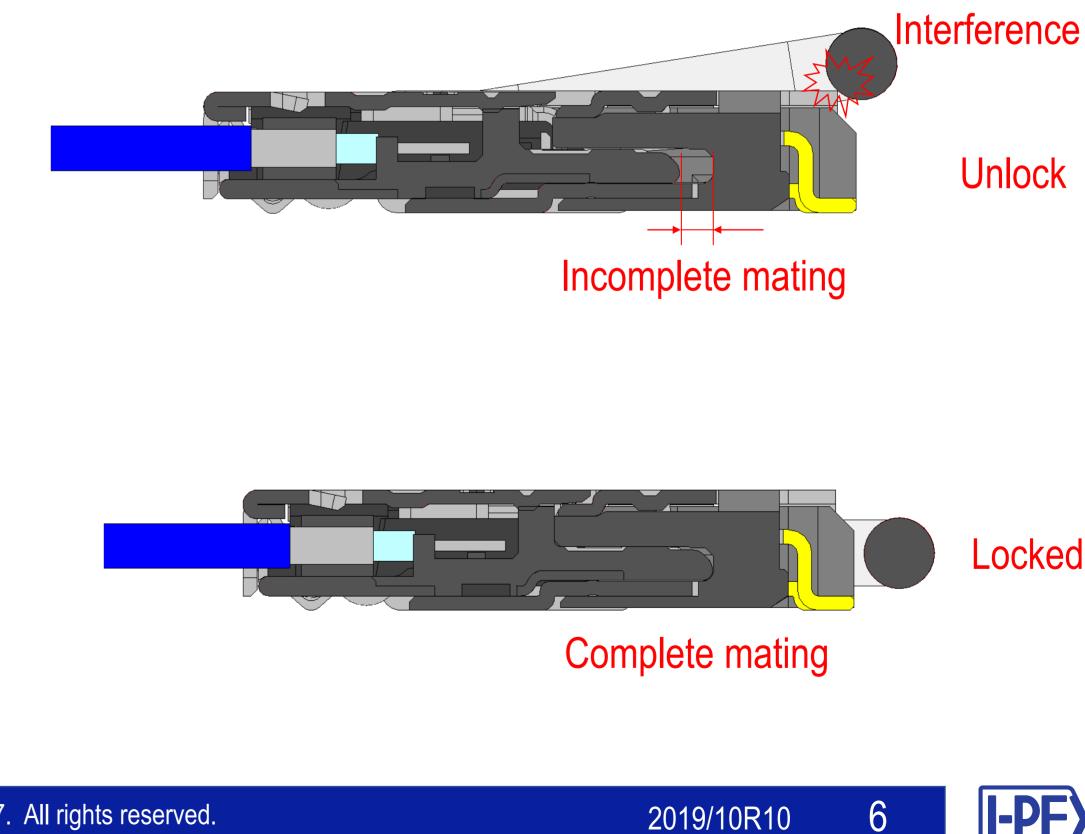


Mechanical Lock – Pull Bar (optional)



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Mechanical locking bar can be locked only when plug is fully mated to receptacle.



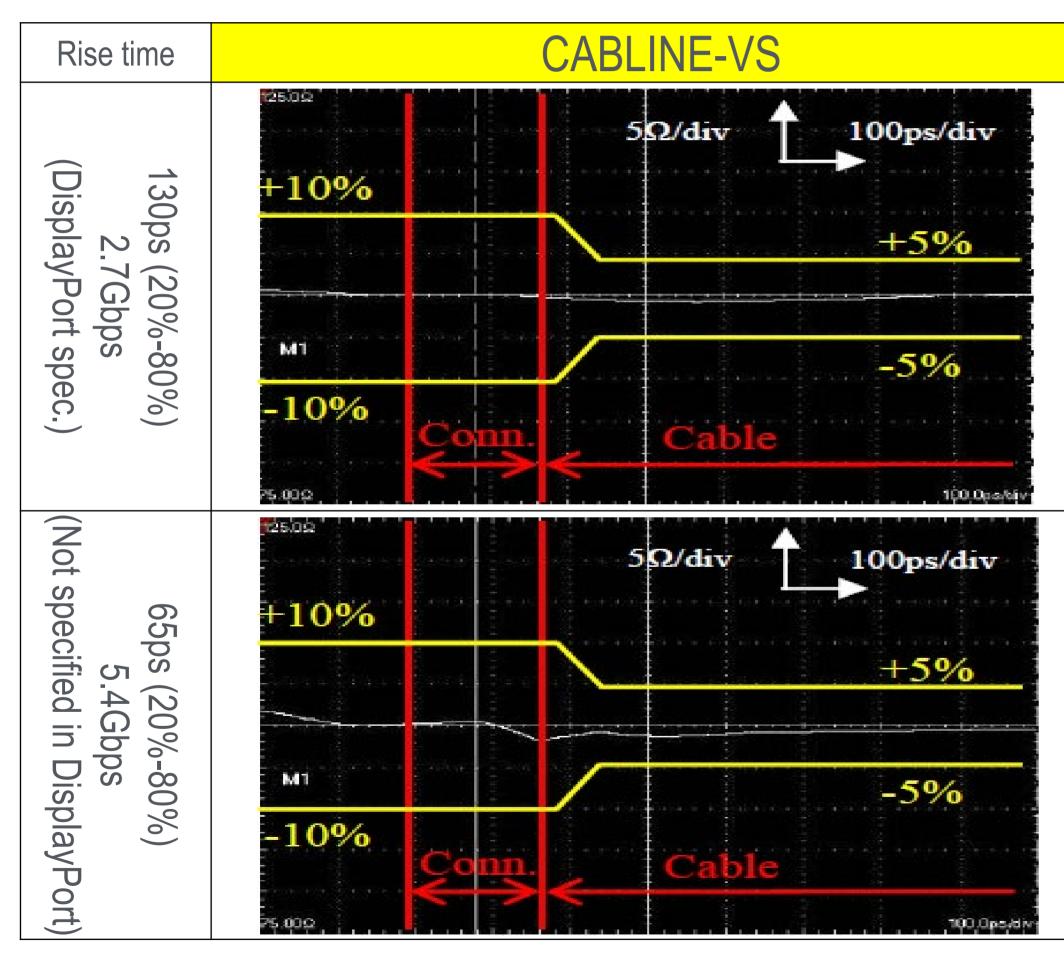
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Locked



High transfer rate (VESA eDP Specification)

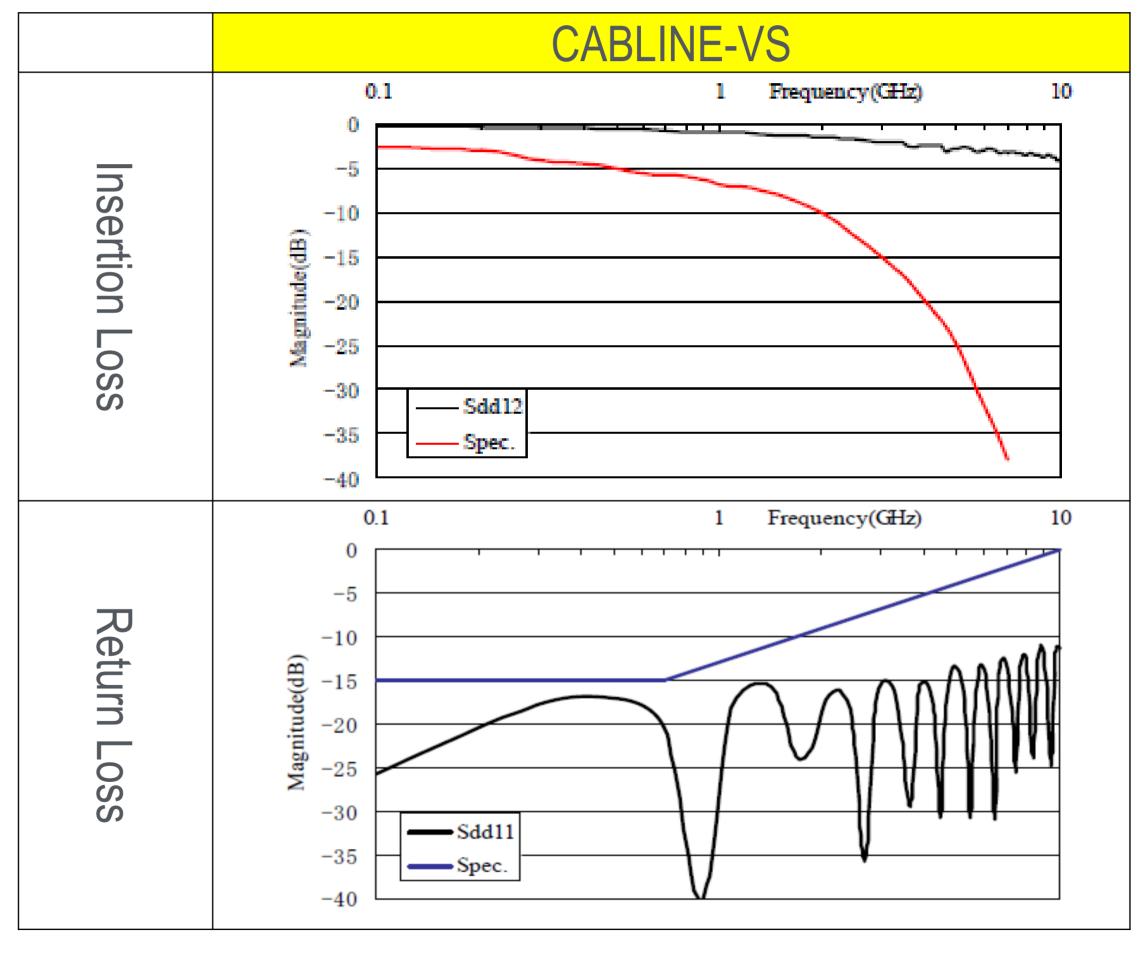
Characteristic Impedance



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Micro-coax wire AWG #40 HIRAKAWA HEWTECH CORP. L = 100 mm

Insertion and Return Loss

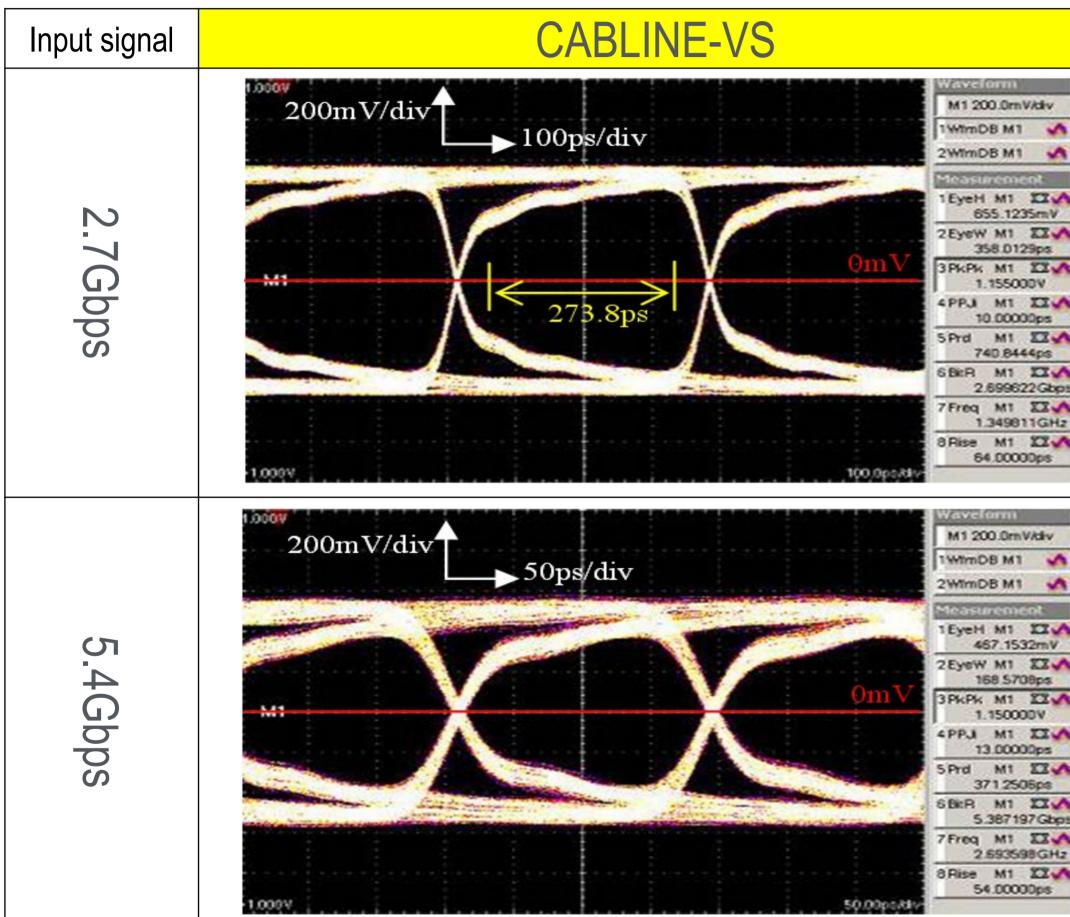






High transfer rate (VESA eDP Specification)

Eye Pattern



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Micro-coax wire AWG #40 HIRAKAWA HEWTECH CORP. L = 100 mm

Eye Pattern (Differential) Bit rate: 2.7Gbps/5.4Gbps Rise time : 60ps (10-90%) Input Voltage : 1.2V



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