

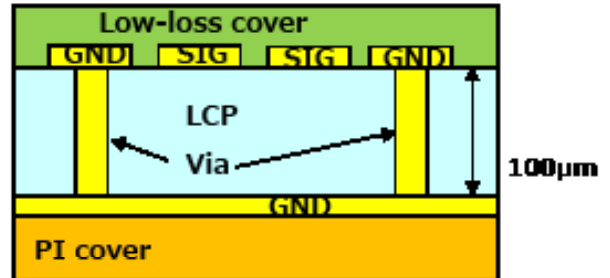
# 40Gbps 高速伝送コネクタ & 高速伝送 FPC (YFLEX®)

40Gbps High speed transmission Connector & FPC (YFLEX®)



SERIES NUMBER

**YFBS**



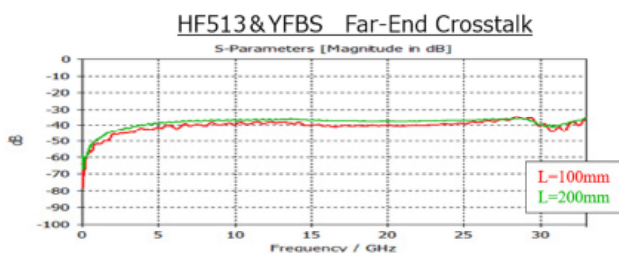
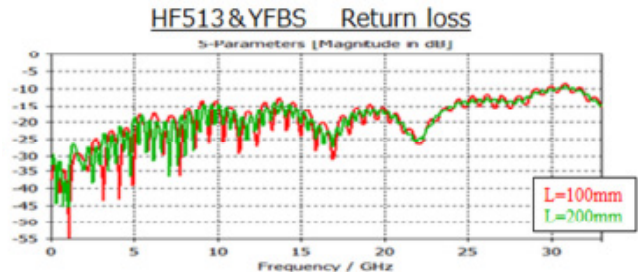
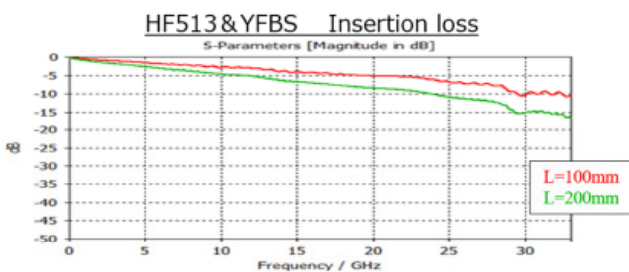
## 特長 FEATURES

- ・ペースフィルムに低損失・高周波特性に優れた液晶ポリマー（LCP）を採用  
Liquid crystal polymer(LCP) with excellent low loss and high frequency characteristics is used for the base film
- ・当社 HF513 との組合せで 56G PAM4 伝送も可能  
56G PAM4 transmission is possible with our product "HF513"
- ・ピンアサインや低損失、低クロストーク重視など個別の要求に沿ったカスタム配線設計が可能  
Custom wiring design is possible according to individual required performance such as pin assignment, low loss, and emphasis on low crosstalk
- ・L 長 460mm まで制作可能 曲げ加工可能  
Length : Max, 460mm Bending possible by customer request

## 仕様 Specification

試験項目 Test item	試験方法 Test method	規格 Reliability criteria
表面層の絶縁抵抗 Insulation resistance	DC100V ± 5V 1minute JIS-C5016	500 mΩ min.
表面層の耐電圧 Voltage resistance	AC200V ± 5V 0.5minute JIS-C5016	スパーク、フラッシュオーバー無き事 No spark, flashover and so on
導体の引き剥がし強度 Peel strength	JIS-C5016	4.9N/cm min.

## 特性 Characteristic



# 40Gbps 高速伝送コネクタ

40Gbps High speed transmission Connector



## PART NUMBER (CONNECTOR)

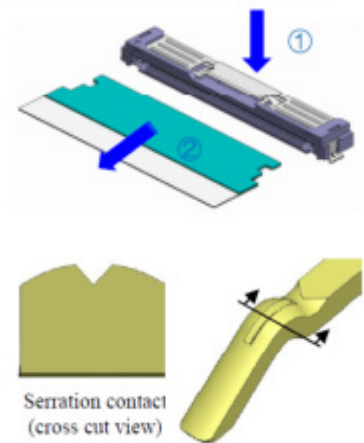
# HF513-\*\*-\*\*-VE

HF513 Series
Number of contacts 30、40、50
Type GND : 01 Without 11 With

## 特長 FEATURES

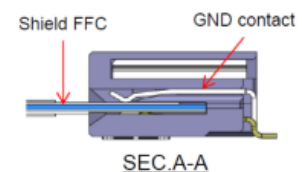
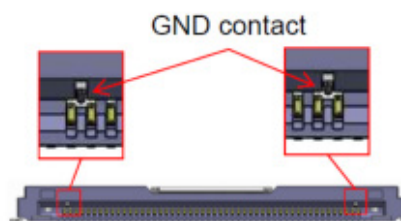
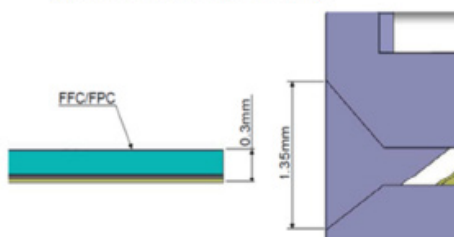
- 奥行寸法 4.9mm 業界最小クラスの小型化を実現  
高さ：2.95mm 幅：33.50mm (50pin の時、端子部含む)  
Dimension in depth is 4.9mm and realize the smallest size level in the market  
H : 2.95mm W : 33.50mm (50pin, including terminal)
- FPC/FPC 挿入時の作業性、自動挿入を加味した誘い込み設計  
Guide design considering easy operation and automatic
- シェル中央部をワンプッシュでロック解除し、FFC/FPC の拔去が可能  
Push metal button at center of the connector to unlock
- 高周波特性 LVDS、TMDS、V-by-One HS、FPD Link などに対応  
High frequency characteristic Comply with LVDS,TMDS,V-by-One HS,FPD Link
- セレーションコンタクト及び有効嵌合長を 1.6mm確保した異物に強い構造  
Serration contact and 1.6mm of mating stroke to remove foreign material perfectly

### FPC/FFC extraction operation



### Guiding design to insert correctly

FPC / FFC insertion workability  
FPC / FFC has a thickness of 0.3 mm and guidance function(1.35 mm).



## 製品規格 PART SPECIFICATION

定格電流 Current Rating	0.5A
定格電圧 Voltage rating	AC/DC 50V
使用温度範囲 / 湿度 Operating Temperature Range	-40℃ ~ + 125℃
挿抜寿命 Insertion/extraction force	20 回 20 times
適合 FPC/FFC 保持力 Applicable FPC/FFC retention force	9.8N 以上 9.8N Or more