



## High Speed & Low Profile **Easy-on FFC/FPC Connector**

0.5mm Pitch Easy-on Back Flip FFC/FPC Conn. SMT, R/A, D/C, Lock Type Product Height: 0.78mm

#### **Overview**

P/N: 52552

ACES's low profile FFC/FPC connector with Easy-on & back-flip actuator provides stable electrical and mechanical contact for notebook, tablet PC and other applications that require low profile and improved workability. 52552 series has a high data transmission rate which pass Thunderbolt 3, USB4, and USB3.2 Gen 2 specification.

Series	52552
Contact Pitch (mm)	0.5
Height (mm)	0.78±0.05
Depth (mm)Actuator Close	3.50
Contact Length (mm)	0.70
FPC Insertion Depth(mm)	1.30
Current Rating	0.5A/pin
Contact Point	Top/Bottom
Retention Force/Per pin(gf)	20
FFC/FPC thickness	0.30±0.03
Performance (Reference only)	Thunderbolt 3 (20Gbps)
	USB 4 Gen3 (20Gbps)
	USB3.2 Gen2

#### **Applications**

- Notebook
- Robot
  - Security Camera
- Tablet PC

- Drone
- Smart Home/Home Appliance

VR

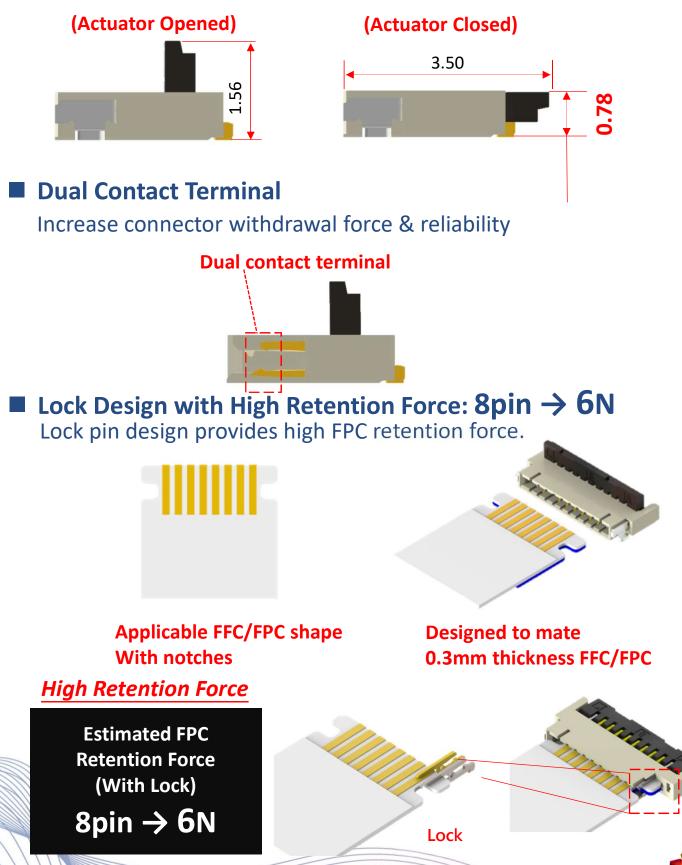




# Product Catalog



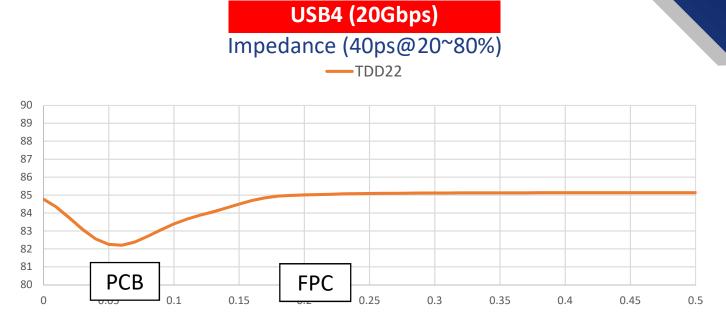
Extreme Low-profile connector with 0.78mm height Realizing the industry's lowest height of 0.78mm.





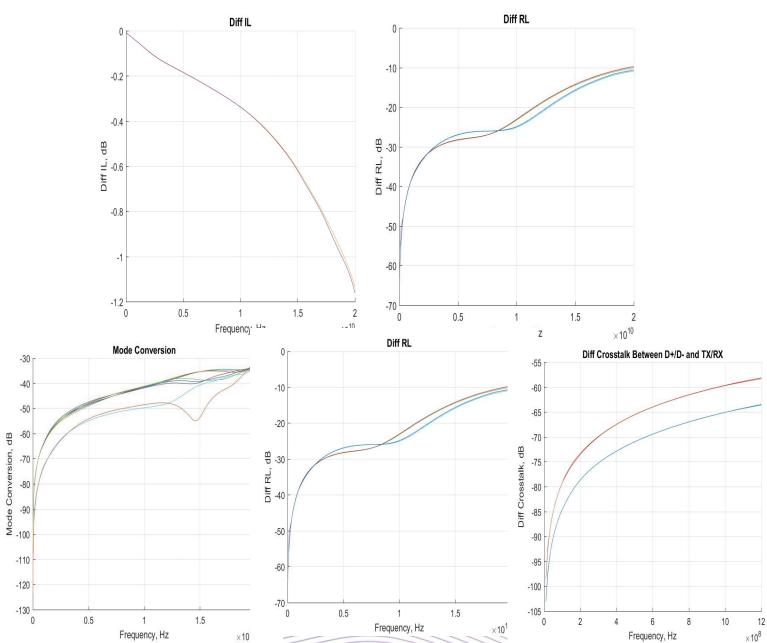


### **High Speed Performance**



Product

Catalog





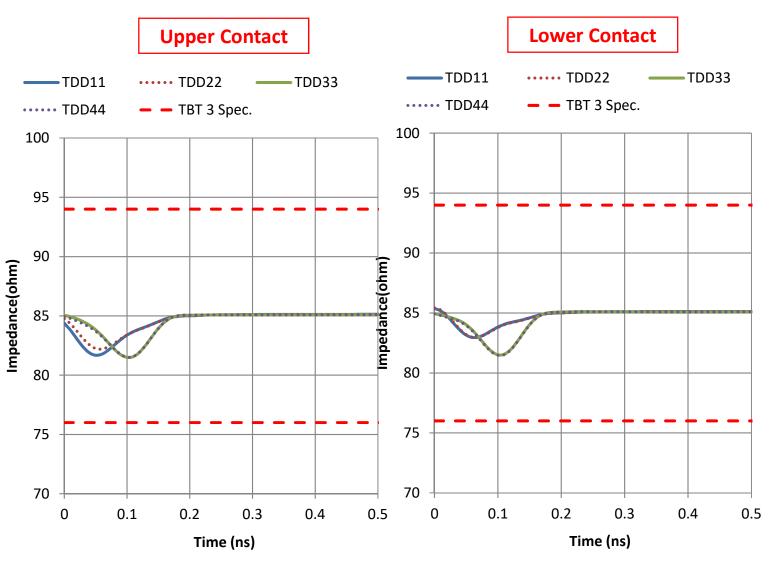
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## Supports High-Speed Transmissions

- ✓ Thunderbolt 3 (20Gbps)
- ✓ USB4 Gen 3 (20Gbps)

Thunderbolt 3 (20Gbps)

#### Impedance (40ps@20~80%)



## Drawing & Specification: PM Contact Window Tim Wu #1715, Tim.wu@acesconn.com RD Contact Window James Wang #2743, jameslen@acesconn.com

