

Micro Coaxial Connector – 51495 / 51496



Overview

As 5G Technology expands and the data transmission rate keeps rising, the antenna and EMI interference issues are getting more serious.

ACES Micro Coaxial Connector series is the micro-coaxial solution designed for applications that need high data rate transmission and EMI mitigation. 51495/51496 series has a high data transfer rate up to Thunderbolt 3 and has complete shielding with multiple grounds for mitigating EMI issues.

P/N	Description	Mating Height (mm)	Mating Depth (mm)	Available Pin (Circuit)
51495 Series	0.4mm Pitch LVDS Micro Coaxial Receptacle SMT Type	2.10mm ± 0.15 mm	4.90 mm (When Latch Locked)	20/ 30/ 40
51496 Series	0.4mm Pitch LVDS Micro Coaxial Plug Connector			

Applications



Notebook



Security Camera



Chromecast

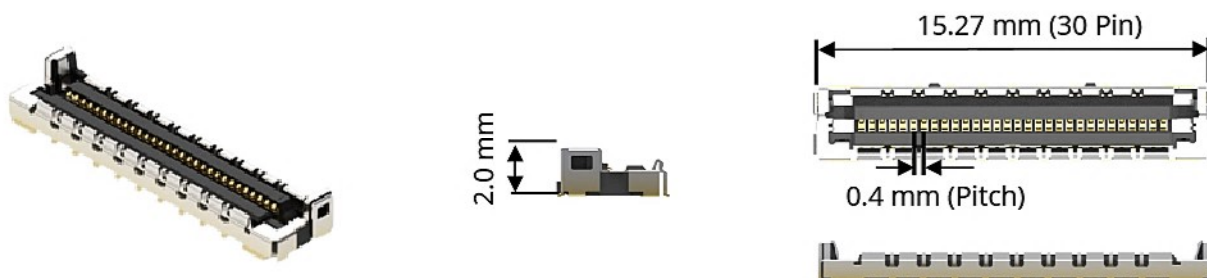


Networking



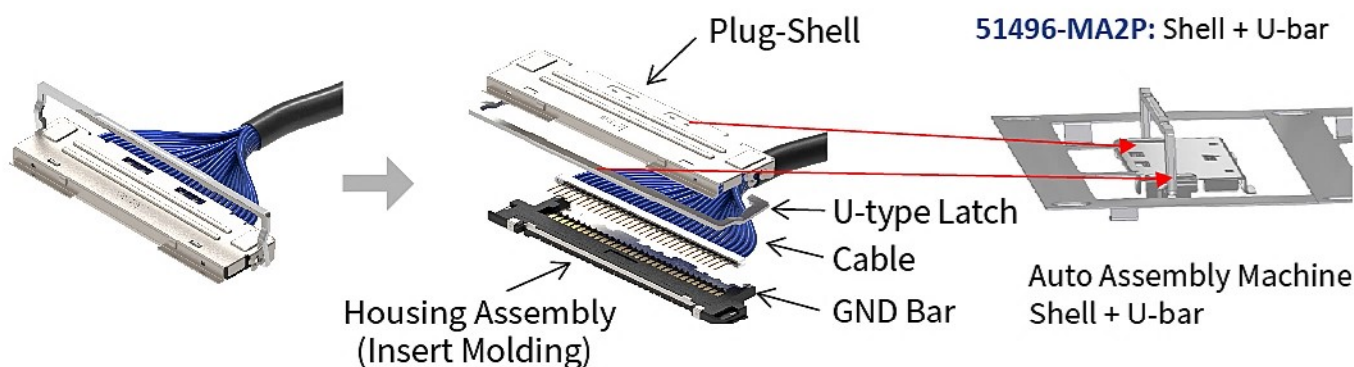
Drone

Products



51495

0.4mm Pitch LVDS Micro Coaxial Receptacle SMT S/R S/T type



51496

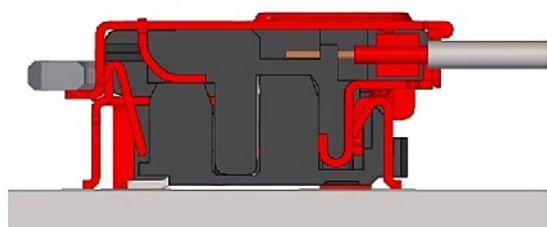
0.4mm Pitch LVDS Micro Coaxial Plug Connector

Connector Type		LVDS Right Angle Vertical Mating Type
Wire Pitch		0.4 mm
Board Pitch		0.4 mm
Applicable Wire (AWG#)	Twincoax	#40
	Discrete	#34 or smaller
	Micro-Coaxial for signals	45Ω : #38 or smaller 50Ω : #40 or smaller
Mated Size	Height	2.10 +/- 0.15 mm
	Depth	4.90 mm (When Latch Locked)
Wiping Length		0.65 mm
Performance (Reference only)		Thunderbolt 3 (20 Gbps/lane) PCIe Gen 4 (16GT/s) USB 3.1 Gen 2 (10 Gbps) eDP HBR 3 (8.1 Gbps)

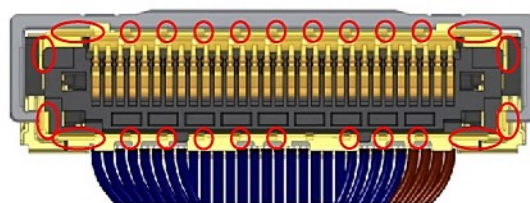
Features & Benefits

■ Whole Area EMI Shielding

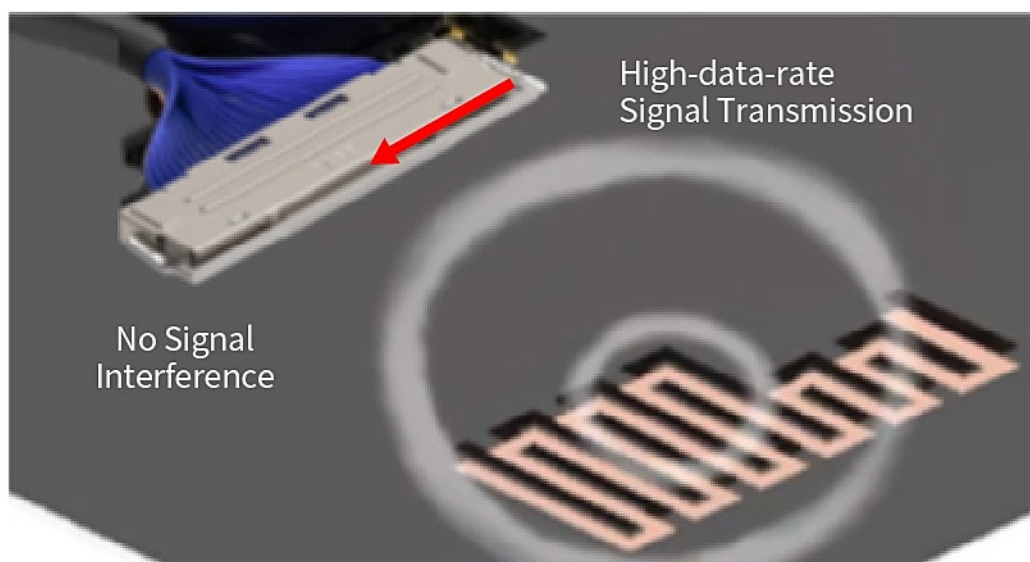
Prevent EMI Leakage with 360° EMI Shielding & Multi-point Ground Design



Full Shielding Connector



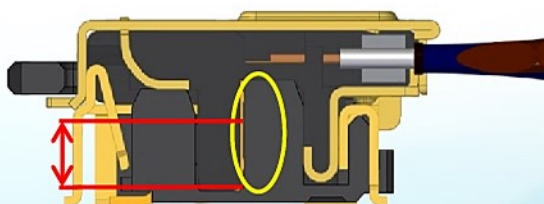
Ground SMT Point



■ High Contact Reliability

Prevent EMI Leakage with 360° EMI Shielding & Multi-point Ground Design

Wiping Length
0.65mm MIN.

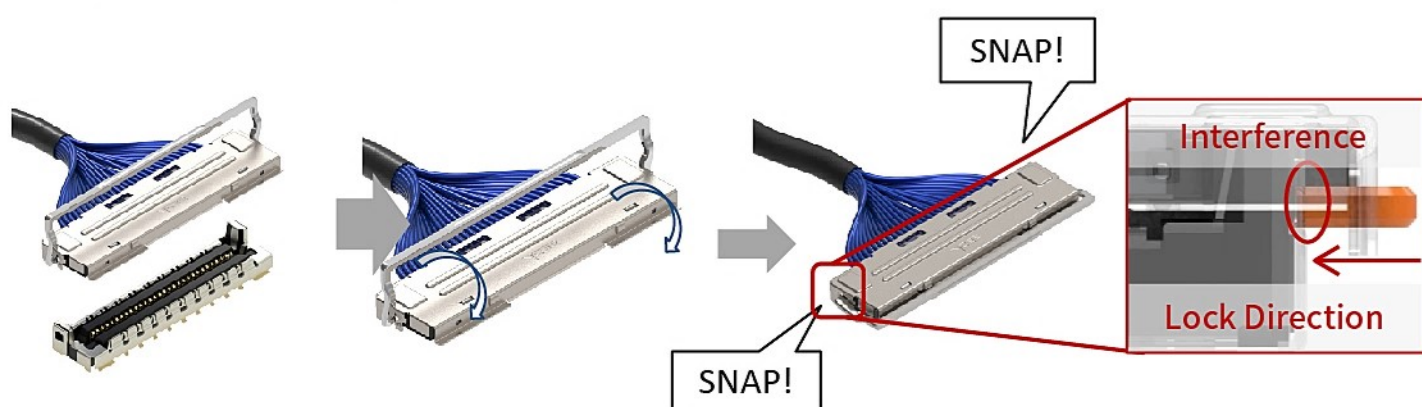


Features & Benefits

■ U-type Latch Design

1. High Mating Retention Force with Mechanical Locking Bar

Locking Process



2. Convenient to re-mating plug and receptacle

Unlocking Process

