

**SPECIFICATIONS:**

Insulation Resistance: 500MΩ min. at 125V DC  
 Withstanding Voltage: 125Vrms for 1min  
 Voltage Rating: 50Vrms AC  
 Current Rating: 0.3A  
 Contact Resistance: 50mΩ max. at 20mV max.  
 Operating Temp.: - 20°C ~ +85°C  
 Mating Cycle: 20 times

**MATERIALS AND FINISH:**

- Contacts: Ni-Au Alloy
- Metal Shell: Ni-Au Alloy
- Insulator: LCP
- SMT Tabs: Stainless Steel

**FEATURES:**

- Companion Cable Assembly for CNU018 Series Connectors
- Blind-Mate design for easy and efficient assembly process
- Fool-Proof mating structure
- Audible sound effect when successfully mated
- RoHS and REACH Compliant

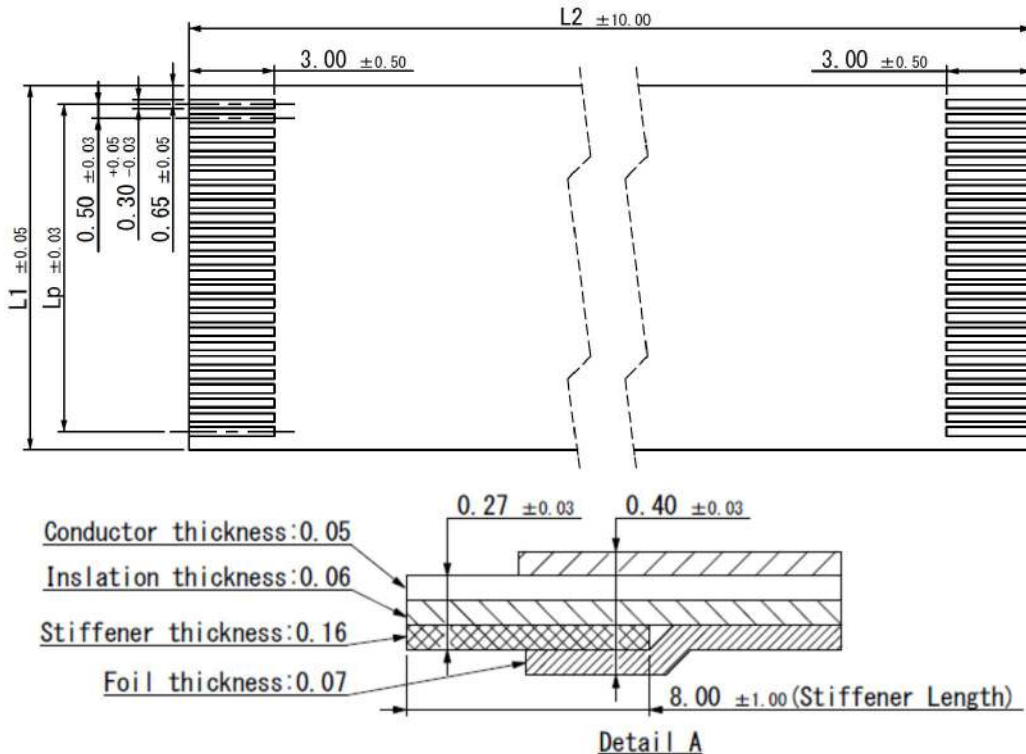
**PART NUMBER:**

**CAU018-0XX-XX-X**

Series Name	↑
Pin Counts: 24, 32, 50 pins	↑
Cable Length: 01 = 100mm 02 = 200mm 03 = 300mm 04 = 400mm 05 = 500mm	↑
Shielding Option: 1 = No Shield, 2 = With Shield	↑



**OUTLINE DIMENSIONS (MM, EXAMPLE: SHIELDED VERSION):**



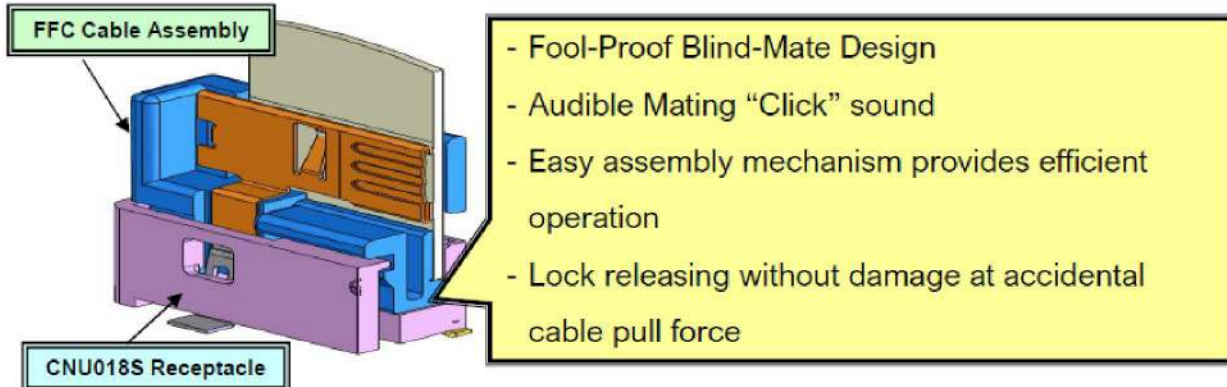
50	30.4	24.5	100, 200, 300, 400, 500
32	21.4	15.5	
24	17.4	11.5	
Pin count	L1	Lp	L2

# YAMAICHI ELECTRONICS

## Blind-Mate FFC Connector

### CNU018 Series Products Design Features

#### Audible Locking Center-Latch Mechanism



CNU018 Product Series are designed to be the perfect blind-mate FFC connectors. With keyed insulator design for blind-mate function and special auto-disengage function, the product series provides reliable mating quality and durability for product maintenance/replace purposes.

#### Vibrations & Impact Shock Test Result for Automotive Usage

Test Item	Qualification Condition	Result
Mechanical Vibration Resistance	<ul style="list-style-type: none"> <li>• Set-up: Mated condition</li> <li>• Sweep Rate: 10-2,000-10Hz for 5mins</li> <li>• Acceleration: 20m/s<sup>2</sup></li> <li>• Test along X,Y, Z axis</li> </ul>	PASS
Sweep Vibration Resistance	<ul style="list-style-type: none"> <li>• Set-up: Mated condition</li> <li>• Sweep Rate 5-2,000-2Hz for 15mins</li> <li>• Acceleration: 4.9 ~ 44.1m/s<sup>2</sup></li> <li>• Duration: 18hrs each axis</li> <li>• Test along X,Y, Z axis</li> </ul>	PASS
Impact Force Resistance	<ul style="list-style-type: none"> <li>• Set-up: Mated condition</li> <li>• Shock Wave Form: Half sinewave</li> <li>• Acceleration: 980m/s<sup>2</sup></li> <li>• Impact Duration: 6sec each impact, 3 impacts for each axis</li> <li>• Test along X,Y, Z axis</li> </ul>	PASS

\*\*Companion FFC/FPC cable CAU018 series also available. Please contact YEU sales representative for more details\*\*