

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

PART NUMBER:

CAU018-0XX-XX-X

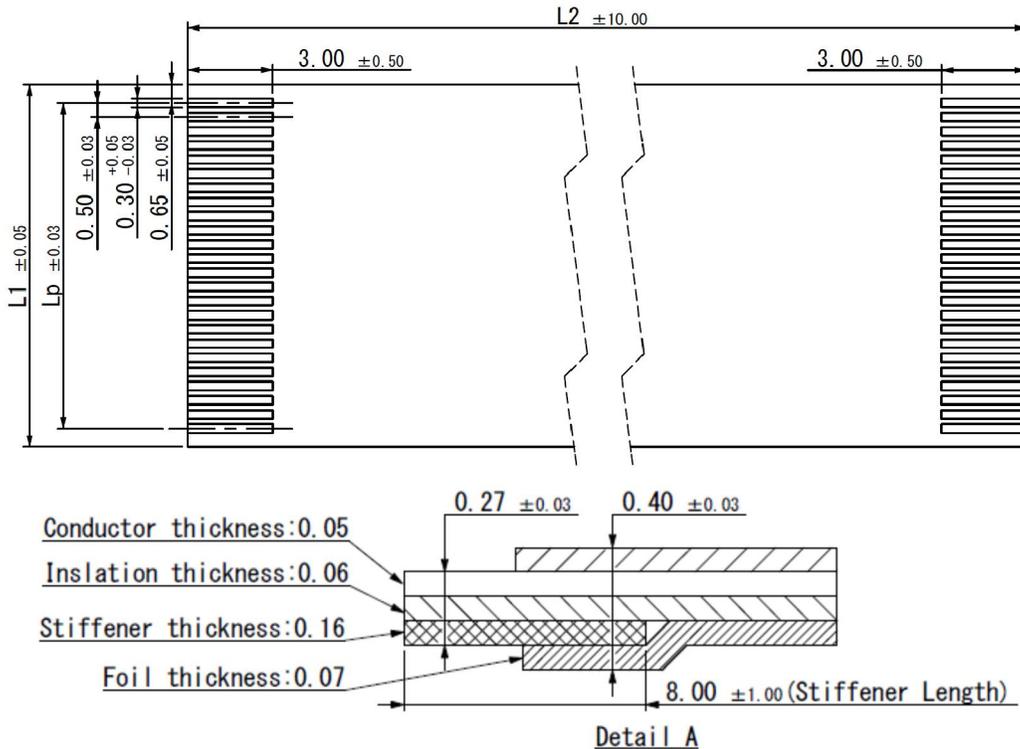
Series Name	↑
Pin Counts: 24, 32, 50 pins	↑
Cable Length: 01 = 100mm 02 = 200mm 03 = 300mm 04 = 400mm 05 = 500mm	↑
Shielding Option: 1 = No Shield, 2 = With Shield	↑

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



OUTLINE DIMENSIONS (MM, EXAMPLE: SHIELDED VERSION):



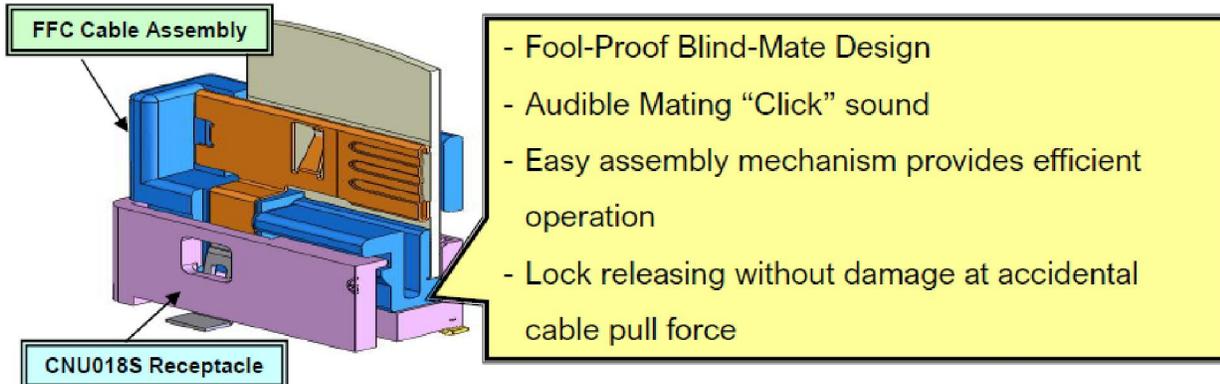
50	30.4	24.5	100, 200, 300, 400, 500
32	21.4	15.5	
24	17.4	11.5	
Pin count	L1	Lp	L2

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"> • Set-up: Mated condition • Sweep Rate: 10-2,000-10Hz for 5mins • Acceleration: 20m/s² • Test along X,Y, Z axis 	PASS
Sweep Vibration Resistance	<ul style="list-style-type: none"> • Set-up: Mated condition • Sweep Rate 5-2,000-2Hz for 15mins • Acceleration: 4.9 ~ 44.1m/s² • Duration: 18hrs each axis • Test along X,Y, Z axis 	PASS
Impact Force Resistance	<ul style="list-style-type: none"> • Set-up: Mated condition • Shock Wave Form: Half sinewave • Acceleration: 980m/s² • Impact Duration: 6sec each impact, 3 impacts for each axis • Test along X,Y, Z axis 	PASS

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