YAMAICHI CNU018 SERIES BLIND-MATE STYLE FFC/FPC CONNECTORS CTRONICS 0.5MM PITCH WITH VERTICAL & R/A MOUNT OPTIONS

AUTOMOTIVE COMPLIANT

SPECIFICATIONS:

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

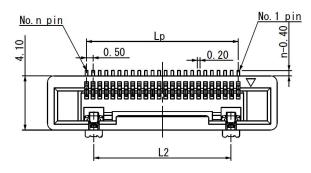
MATERIALS AND FINISH:

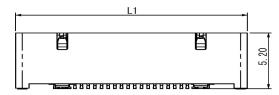
- Contacts: Ni-Au Alloy
- · Metal Shell: Ni-Au Alloy
- Insulator: LCP
- SMT Tabs: Stainless Steel

FEATURES:

- · Blind-Mate design for easy and efficient assembly process
- · Automotive grade performance
- Fool-Proof mating structure
- · Audible sound effect when successfully mated
- · RoHS and REACH Compliant

OUTLINE DIMENSIONS (mm):

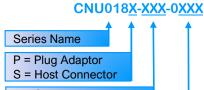




50	24.5	30.4	23.4
32	15.5	21.4	14.4
24	11.5	17.4	10.4
Pin count	Lp	L1	L2

CNU018S Host Connector

PART NUMBER:



Pin Counts: 24, 32, 50 pins

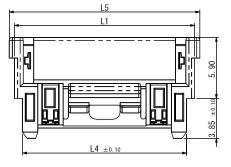
Plug Adapter:

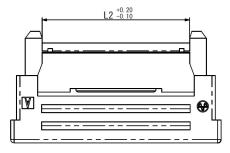
0001 = Plug Insulator Body 01SH = Plug Metal Shell

Host Connector:

- 0001 = Vertical Mount with R/A SMT Tabs 0002 = R/A Mount with R/A SMT Tabs 0011 = Vertical Mount with Vertical SMT Tabs 0012 = R/A Mount with Vertical SMT Tabs







50	24.5	30.4	25.9	28.85	31.4
32	15.5	21.4	16.9	19.85	22.4
24	11.5	17.4	12.9	15.85	18.4
Pin count	Lp	L1	L2	L4	L5

CNU018P Plug Adapter

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DISCLAIMER: PRODUCT DATA & DIMENSIONS ARE SUBJECT TO CHANGES WITHOUT NOTICE

YAMAICHI ELECTRONICS

Blind-Mate FFC Connector

CNU018 Series Products Design Features

Audible Locking Center-Latch Mechanism

FFC Cable Assembly	 Fool-Proof Blind-Mate Design Audible Mating "Click" sound Easy assembly mechanism provides efficient operation Lock releasing without damage at accidental askla pull forms
CNU018S Receptacle	cable pull force

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	 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	 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	 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

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