

Series HF601

Flip Type ZIF Connector, 90°, SMT

High Speed Connectors

Specifications

Insulation Resistance:	500MΩ min.
Contact Resistance:	50mΩ max.
Withstanding Voltage:	500V AC for 1 minute
Voltage Rating:	50V AC
Current Rating:	0.5A
Operating Temp. Range:	-40°C to +85°C
Mating Cycles:	20 times

Materials and Finish

Insulator:	LCP, Actuator:PA9T
Contact:	Copper Alloy, Au over Ni

Features

- Flip type ZIF connector
- Super low profile, height = 2mm
- FFC/FPC with and without positioning part can be used
- Packaging tape and reel (1,200 pcs. per reel)



Part Number (Details)

HF601 - ** - 02

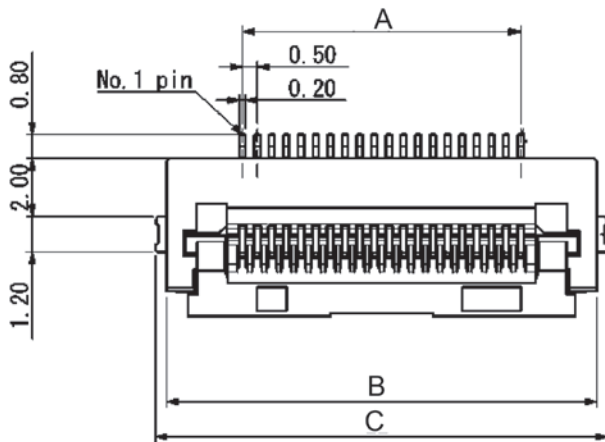
Series No.

Pin Counts
(10, *20, 26, 30, 40
45, 50 and 60)

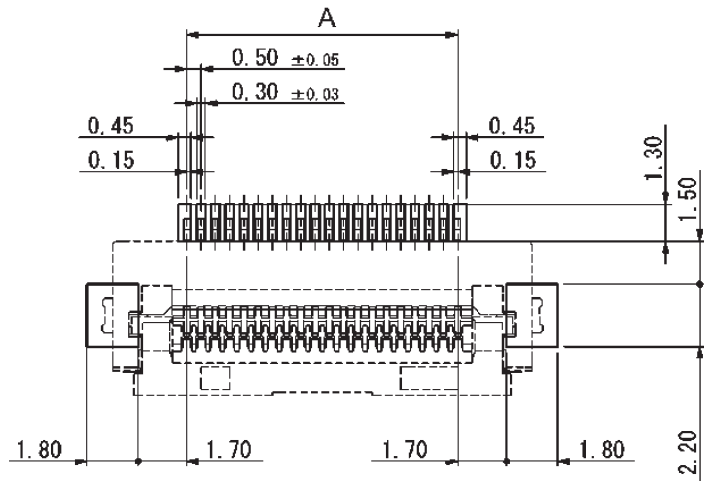
Design No.

*Available on request

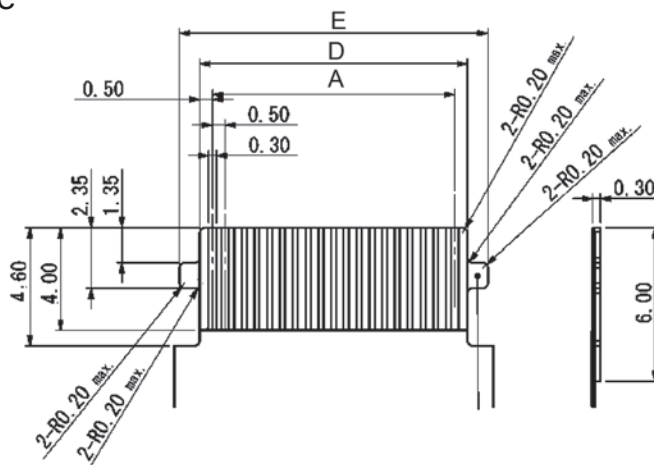
Outline Dimensions for 90° Connector



Recommended PCB Layout



Recommended FFC/FPC



Part Number	Pin Count	A	B	C	D	E
HF601-10-02	10	4.50	9.70	10.50	5.50	7.10
HF601-20-02	20	9.50	14.70	15.50	10.50	12.10
HF601-26-02	26	12.50	17.70	18.50	13.50	15.10
HF601-30-02	30	14.50	19.70	20.50	15.50	17.10
HF601-40-02	40	19.50	24.70	25.50	20.50	22.10
HF601-45-02	45	22.00	27.20	28.00	23.00	24.60
HF601-50-02	50	24.50	29.70	30.50	25.50	27.10
HF601-60-02	60	29.50	34.70	35.50	30.50	32.10



Specifications

Insulation Resistance: 1,00MΩ
 Conductor Resistance: 2.2 Ω / meter
 Withstanding Voltage: 500V AC rms for 1 minute
 Voltage Rating: 60V (UL20706)
 Operating Temp. Range: -40°C to +105°C (UL20706)

Materials and Finish

Conductor: AU plated Cu
 Insulation Tape: Polyester, white
 Supporting Tape: Polyester, blue

Features

- Versions with positioning part available on request
- Minimum order quantity may occur



Part Number (Details)

HF601 - F5 - ** - *** - * * - F - *

Series No.

Pitch: 0.5mm

Pin Counts

10, 20, 26, 30, 40, 45, 50, and 60

Insulation Length in mm

Total length – 8 mm (2 x stripped length)

Direction of Supporting Tape

A = same B = opposite

0 = No ears

1 = Ear one side

2 = Ears both sides

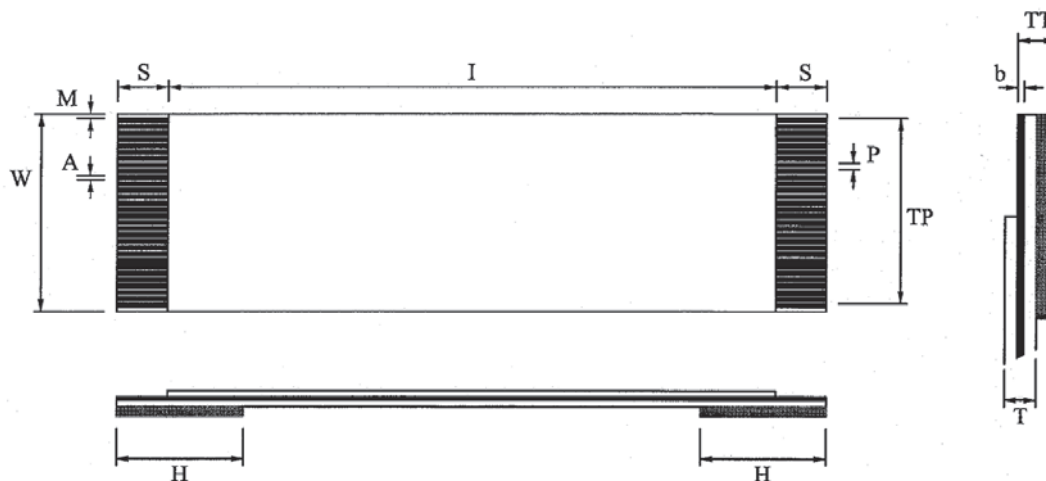
Plating: F = Au

UL-Number

V = UL20706/20861



Outline Dimensions



Item	Description	Specification
N	Number of Conductors	10, 20, 26, 30, 40, 45, 50, 60
P	Pitch in mm	0.5mm
TP	Total Pitch	$P \times (n-1)$
W	Stiffener Width	$P \times (n+1)$
T	Thickness of FFC	0.15mm
M	Margin Width	0.35mm
I	Insulation length	Total length divided by 2 x S
S	Stripped Length	4.0mm
TT	Terminal Thickness	0.3mm
H	Supporting tape length	6.0mm
A	Conductor width	$0.3 \pm 0.05\text{mm}$
b	Conductor thickness	0.035



Mouser Electronics

Authorized Distributor

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Yamaichi Electronics:

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[HF601-50-02](#) [HF601-50-12](#) [HF601-60-02](#)