

FPC/FFC connector XF3M/XF2M

# DA B/W Connector (XF2M/XF3M)

Emphasize spec-in with XF2M/XF3M again.

New "High robust", "Good operability" product will be launched in FY20.

## Target Application

- FA CNC
- BA Thermostat, Lighting controle
- Industrial Hndy POS , Fiber connection

## Target Area

- AM, EU, GC, KR

## Products

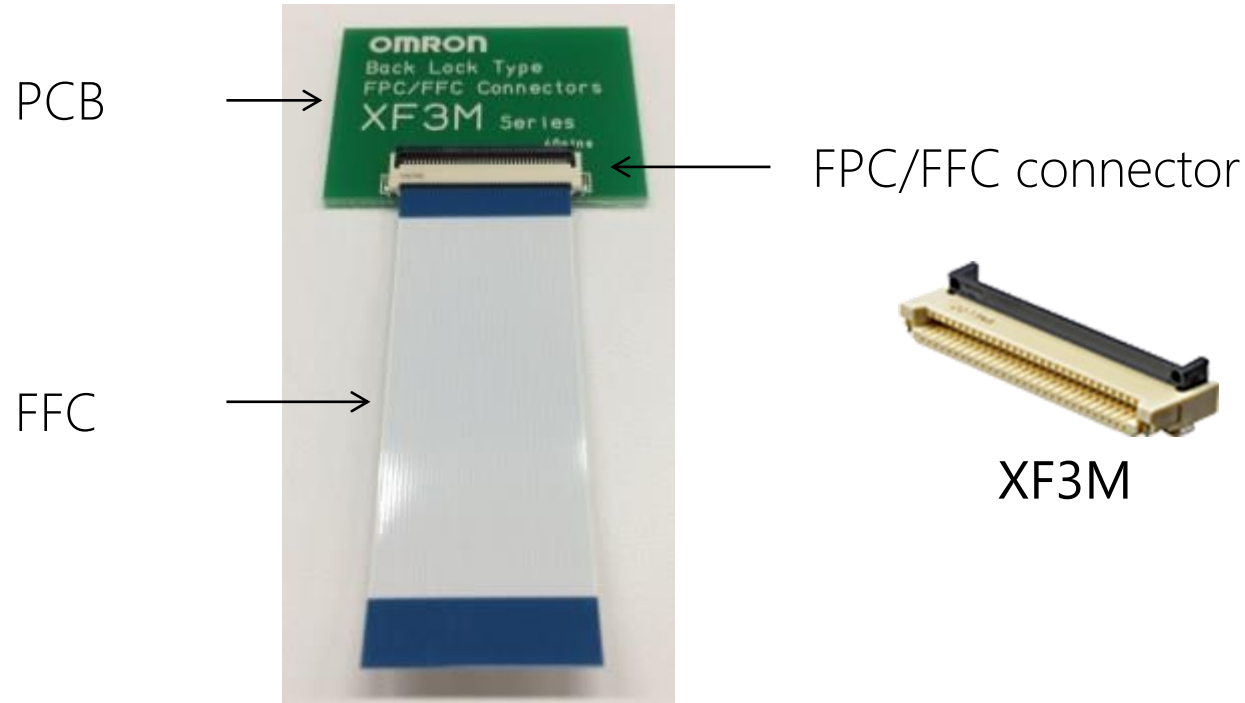
- XF2M, XF3M   ※New XF3J(TBD)



# FPC/FFC connector

Partner	Hand out	Show
Sales/Reps	Ok	Ok
Distributors	Ok	Ok
End Customers	Ok	Ok

A type of connector intended to connect FPC/FFC and PCB.



FPC : Flexible Printed Circuits

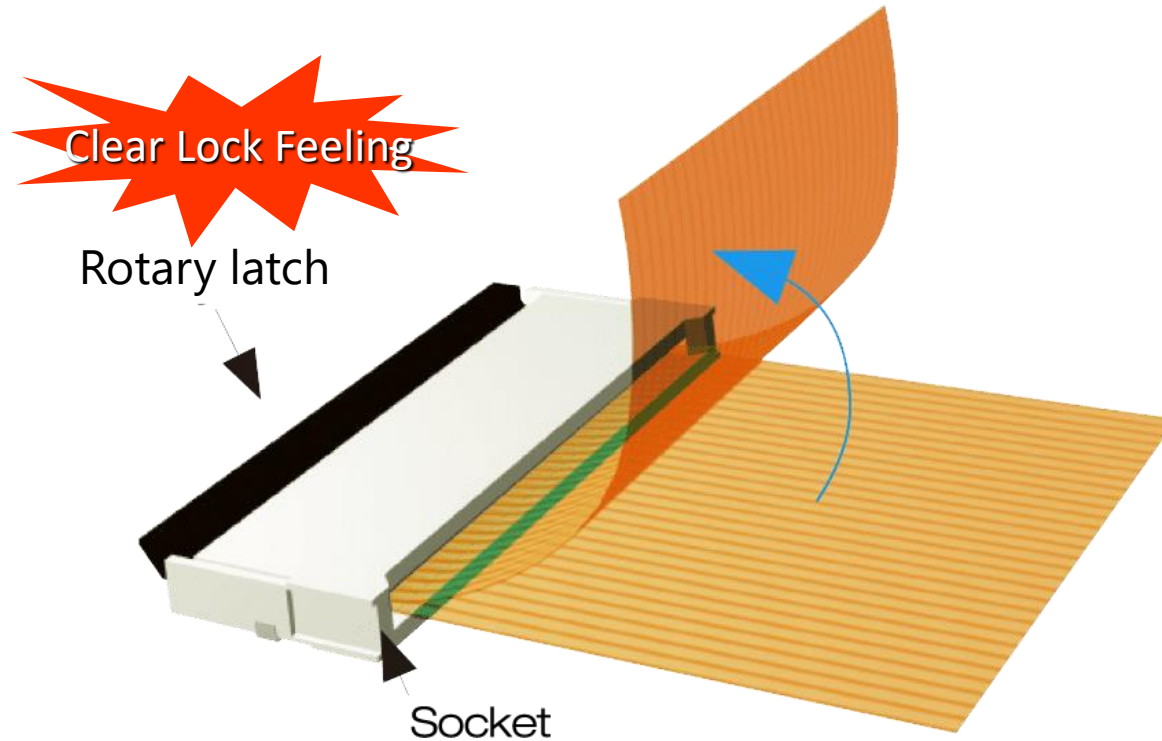
FFC : Flexible Flat Cables

PCB : Printed Circuit Boards

# Features - 1

Partner	Hand out	Show
Sales/Reps	Ok	Ok
Distributors	Ok	Ok
End Customers	Ok	Ok

Rotary latch is independent of the FPC/FFC socket.  
The Rotary latch will not release if the FPC/FFC is lifted.



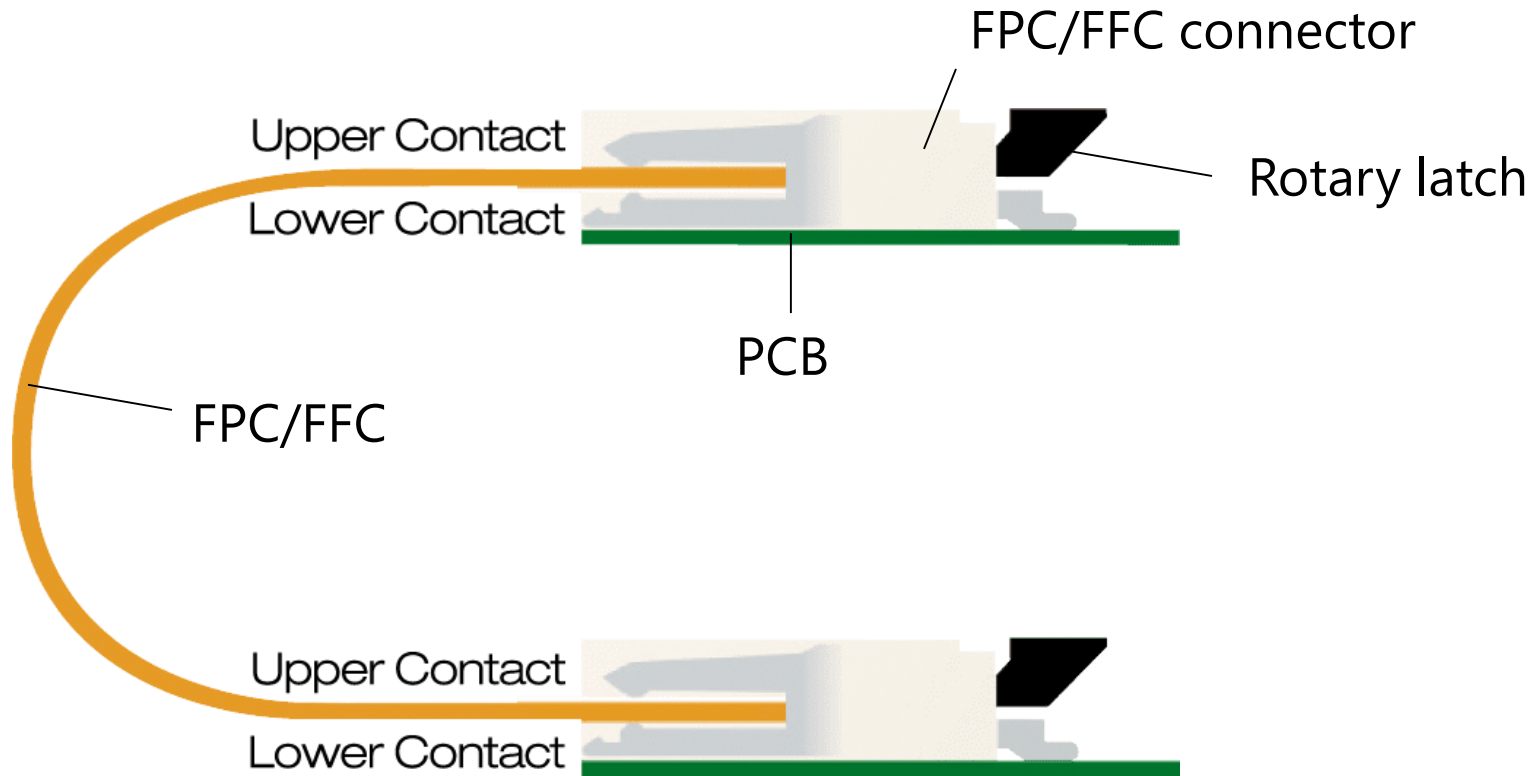
OMRON is a pioneer of Rotary Back-lock type !

# Features - 2

Partner	Hand out	Show
Sales/Reps	Ok	Ok
Distributors	Ok	Ok
End Customers	Ok	Ok

## Dual contact

There is no need to distinguish between the upper and lower FPC connection.

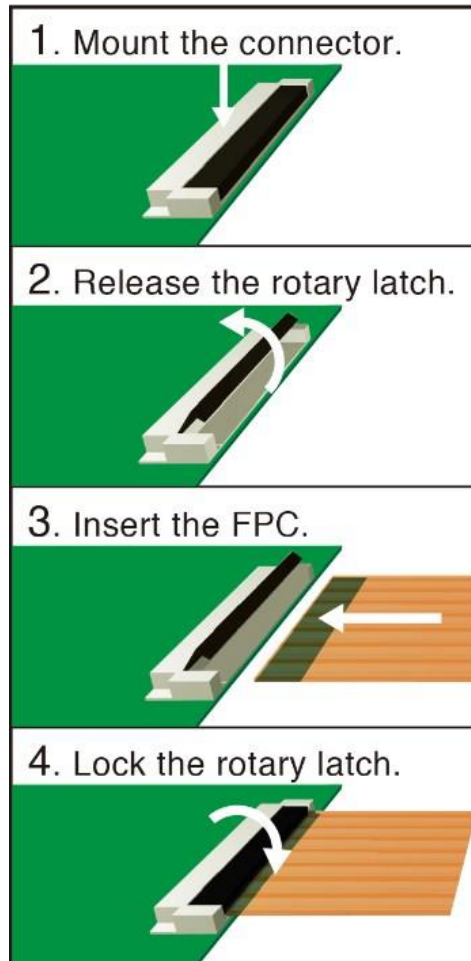


# Features – 3

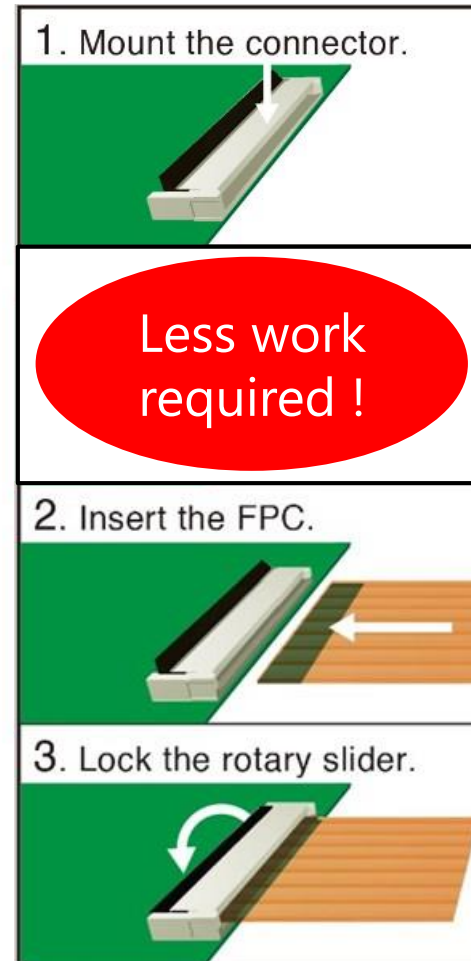
Partner	Hand out	Show
Sales/Reps	Ok	Ok
Distributors	Ok	Ok
End Customers	Ok	Ok

Delivered with the rotary latch opened.  
Less work required for FPC Mounting.

## Front lock



## OMRON Back lock



# Variations

Partner	Hand out	Show
Sales/Reps	Ok	Ok
Distributors	Ok	Ok
End Customers	Ok	Ok

OMRON provides wide range of variations.

Model	Appearance	Contact pitch	Type	No. of contacts	
XF3M	For FPC/FFC	0.5mm	Side-entry	Dual Contact Au flash	4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,28,29,30,31,32,33,34,35,36,37,38,40,41,42,45,50,51,53,54,55,57,60,80
				Dual Contact Sn	9,10,32
				Upper Contact Au flash	7,8,9,10,11,12,13,14,15,16,18,20,22,24,25,26,40
XF3M(1)	1.0mm	Dual Contact Au flash		4,5,6,7,8,9,10,11,12,14,15,16,18,20,22,23,25,26,28,30,32	
		Dual Contact Sn		6,8,9,10,12,18,20,22	
XF2M	For FPC/FFC	0.5mm		Dual Contact Au	6,8,10,12,14,18,20,22,24,26,30,32,33,34,35,36,38,40,42,45,50,54,55,60

100pcs / reel type is also available.

Minimize the stock  
& Space saving



100pcs / reel

1,500pcs / reel

**OMRON**

# Main Spec. – XF3M

Partner	Hand out	Show
Sales/Reps	Ok	Ok
Distributors	Ok	Ok
End Customers	Ok	Ok

Rated current	0.5 A AC/DC
Rated voltage	50 V AC/DC
Contact resistance	50 mΩ max. (at 20 mV DC max., 100 mA max.)
Insulation resistance	100 MΩ min. (at 250 V DC)
Dielectric strength	250 V AC for 1 min. (leakage current: 1 mA max.)
Insertion durability	Gold-plated: 20 times
	Tin-plated: 10 times
Ambient operating temperature	–30 to 85 °C (With no icing or condensation)



# Target Market

## Mobile Devices



- Mobile phone
- PDA
- GPS
- Fish Finder
- Digital camera

## Computer Products/ Peripherals



- Laptop
- Mouse
- CD/DVD-ROM
- Printer

## Home Electronics



- LCD TV
- DVD player
- Phone

## Appliances



- Coffee machine
- Microwave oven
- Anything with displays

# Target Market

## Medical



- CPAP
- Blood pressure monitor
- Blood glucose monitor
- Medical device

## Industrial



- Touch panel
- Instrumentation
- Measurement

## Gaming Equipment



- TV game
- Portable game

## Building Automation



- Thermostat control



Thank You