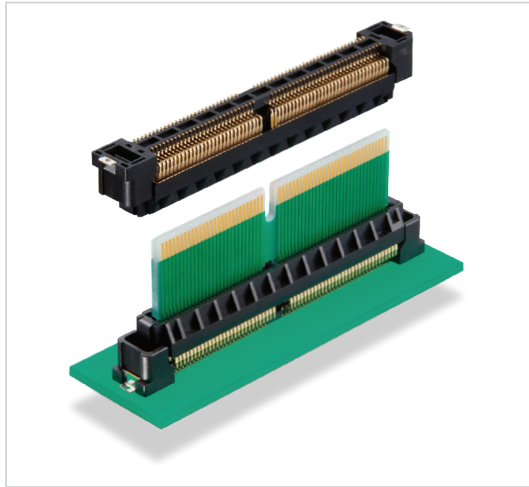


FX27 Series

Flexible Stacking Height Using PCB Interposer Length



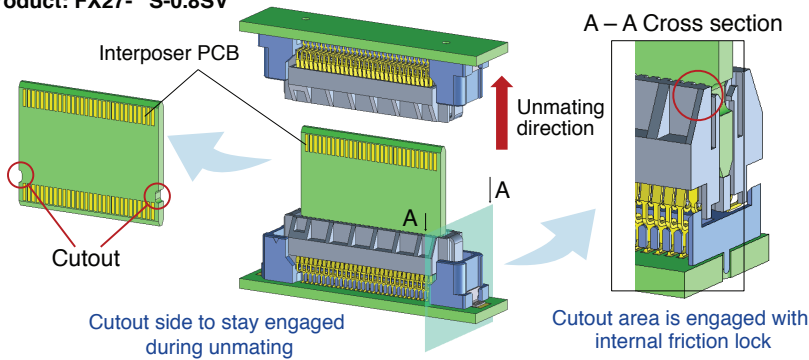
FEATURES:

- ▶ Contact pitch : 0.8mm
- ▶ Stacking Height : 22mm Min.
- ▶ Pin Varieties : 40/60/80/100/120
- ▶ Floating Range : 0.6mm Max. in X and Y directions
- ▶ High-speed Transmission : 2.5Gbps (PCIe-Gen.1)
- ▶ Customizable interposer PCB
- ▶ Current capacity : 0.5A/pin
- ▶ Pick & Place Mounting (suction tape attached as standard)
- ▶ Large guide post for excellent mating performance

PCB Interposer Determines Stacking Height

Interposer PCB Cut-out enables friction lock

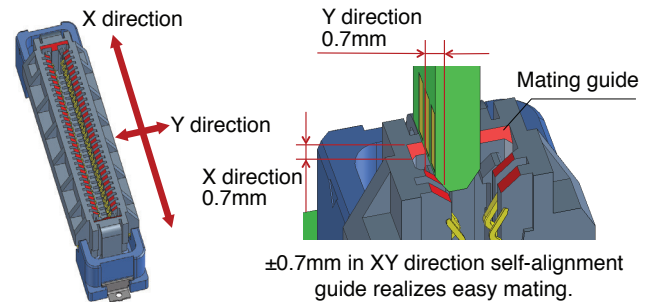
Product: FX27-**-S-0.8SV



FRICION LOCK + CUTOUT KEEPS INTERPOSER ENGAGED ON ONE SIDE

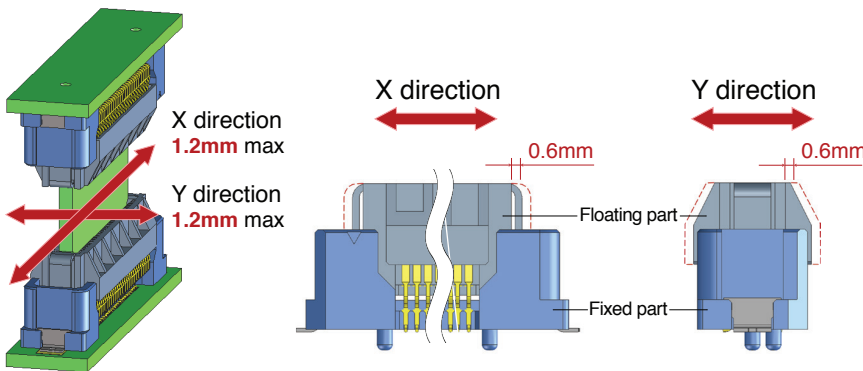
Wide Self-Alignment Range

Easy mating with wide self-alignment range



±1.2mm Floating in XY Directions

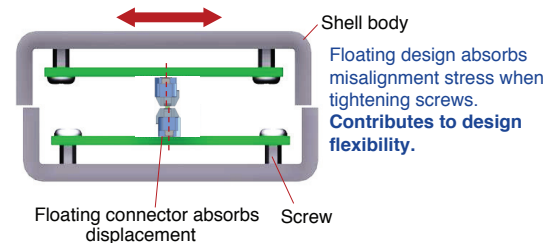
0.6mm+0.6mm=1.2mm floating with double floating



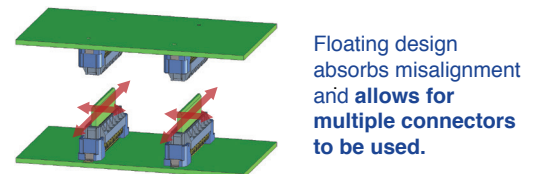
±1.2MM MAX FLOAT WITH DOUBLE FLOAT STRUCTURE

Advantages of Floating Design

Connector absorbs misalignment tolerance

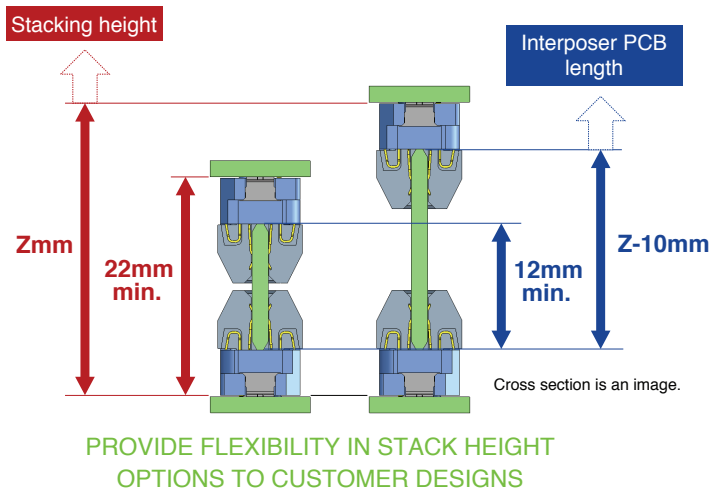


Multiple connector mountings

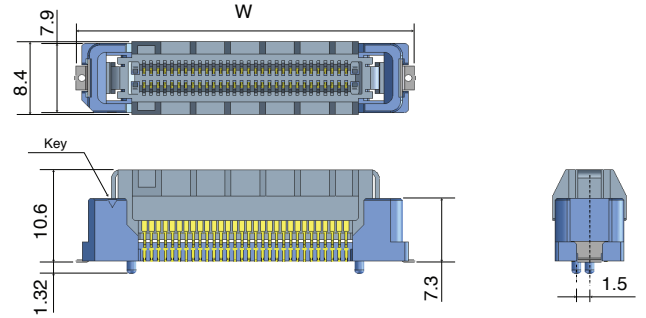


Flexible stacking height

Flexible stacking height using interposer PCB length



Reference dimension: 60 pin



	40pos.	60pos.	80pos.	100pos.	120pos.
Varieties					
	In Mass production	In Mass production	Under development	Under development	Under development
W	30.9	38.9	50.1	58.1	66.1

Specifications

MATERIAL & FINISH

COMPONENT	MATERIAL	FINISH
Housing	Polyamide resin	Black, UL94V-0
Contact	Copper alloy	Gold plated over nickel underplate
Metal fitting	Brass	Tin plating

CHARACTERISTICS

Rated current	0.5A/pin
Rated voltage	AC/DC 100V
Operating temperature	-55 to +105°C (Including the temperature rising by current flow)
Contact resistance	30mΩ Max. (not include conductor resistance of mating interposer PCB)
Withstanding voltage	AC 300V for 1 minute
Insulation resistance	1000MΩ min. (250V DC)
Durability	10 times

- RoHS compliant



For additional information please go to
www.hirose.com/product/series/FX27

Specifications herein are subject to change without notice.
Contact Hirose for latest specifications, drawings, or availabilities.

STAY CONNECTED

