



# FX30B Series

ITS-P-13022H

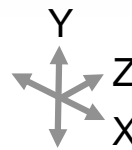
Board to Board Power Connectors Up to 10 Amps / line with Misalignment Absorbing Structure

## ◆ Features

1. Bd to Bd power connectors optimized for multiple connectors on board: 10 A / line
2. Unique contact structure absorbs misalignment up to  $\pm 0.3$  mm in XY directions and + 1 mm in Z direction.
3. High contact reliability with independent 4-point contact
4. Excellent mating alignment with wide guide range
5. Wide varieties with 2 to 5 pos.

Coplanar, Vertical and Parallel (Height = 20, 25, 30 mm) connections

6. Will be UL, TÜV certified
7. RoHS Compliant

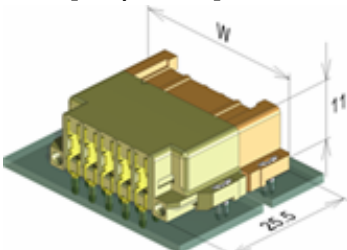


### Misalignment Absorbing Range

X direction:  $\pm 0.3$ mm  
Y direction:  $\pm 0.3$ mm  
Z direction: +1mm

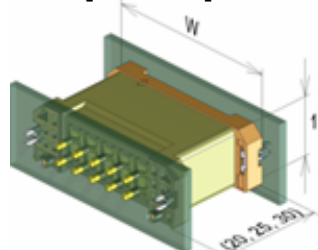
## ◆ Variations

[Coplanar]



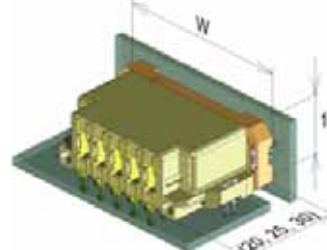
Angled Header  
(FX30B-\*P-3.81DS)  
X  
Angled Receptacle  
(FX30B-\*S-3.81DS)

[Parallel]



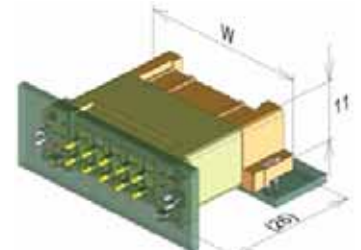
Straight Header  
(FX30B-\*P-3.81DSAxx)  
X  
Straight Receptacle  
(FX30B-\*S-3.81DSA)

[Vertical A]



Straight Header  
(FX30B-\*P-3.81DSAxx)  
X  
Angled Receptacle  
(FX30B-\*S-3.81DS)

[Vertical B]

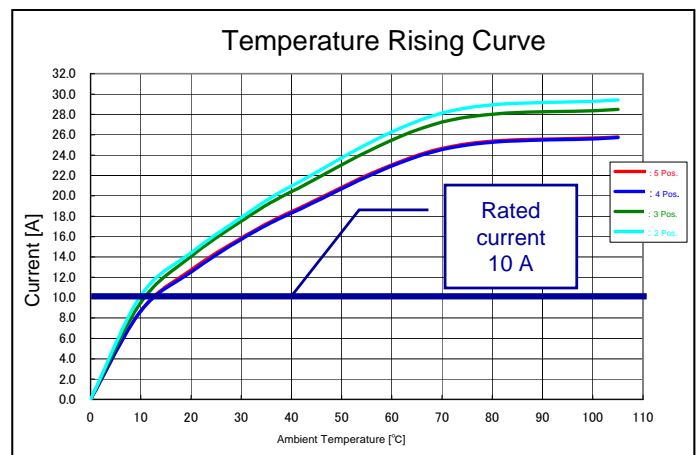
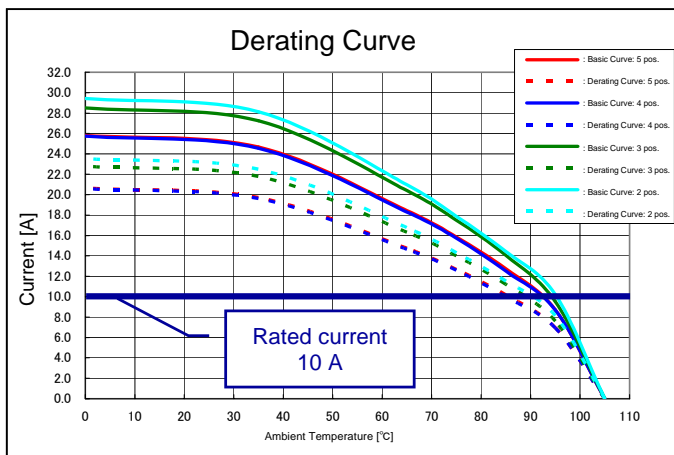


Angled Header  
(FX30B-\*P-3.81DS)  
X  
Straight Receptacle  
(FX30B-\*S-3.81DSA)

Pos.	2 pos.	3 pos.	4 pos.	5 pos.
Width	20.56	24.37	28.18	31.99

## ◆ Result of Temperature Rising Test: Coplanar connection

Measured at the contact area near the center of the connector in current carrying condition



Note1: Maximum temperature is 105 °C.

Note2: Derating curve is determined by multiplying the reduction factor of 0.8 in respect to the value of current in the basic curve. Specifications herein are subject to change without notice. Contact Hirose for latest specifications, drawings or availabilities.