

# FPL II CONN.

Part No. PLUG: 20437-0\*\*T-\*1, RECE.:20439-0\*\*E-\*\*

## Instruction Manual

3	S21136	March 25, 2021	T.Onishi	T.Masunaga	H.Ikari
2	S15417	September 10, 2015	H.I		E.K
1	S13299	July 19, 2013	H.A		E.K
0	S12055	February 7, 2012	H.A	J.T	T.H
Rev.	ECN	Date	Prepared by	Checked by	Approved by

This manual is to explain the insertion & withdrawal methods and important points in handling of FPL II CONN. for the purpose of proper use.

【Product Name/Part number】

• The cable side connector

Product Name: FPL II CONN. PLUG CABLE ASS'Y

Part No.: 20437-0\*\*T-\*1

• The PCB side connector

Product Name: FPL II CONN. RECE

Part No.: 20439-0\*\*E-\*\*

【Name of each part of the connector】

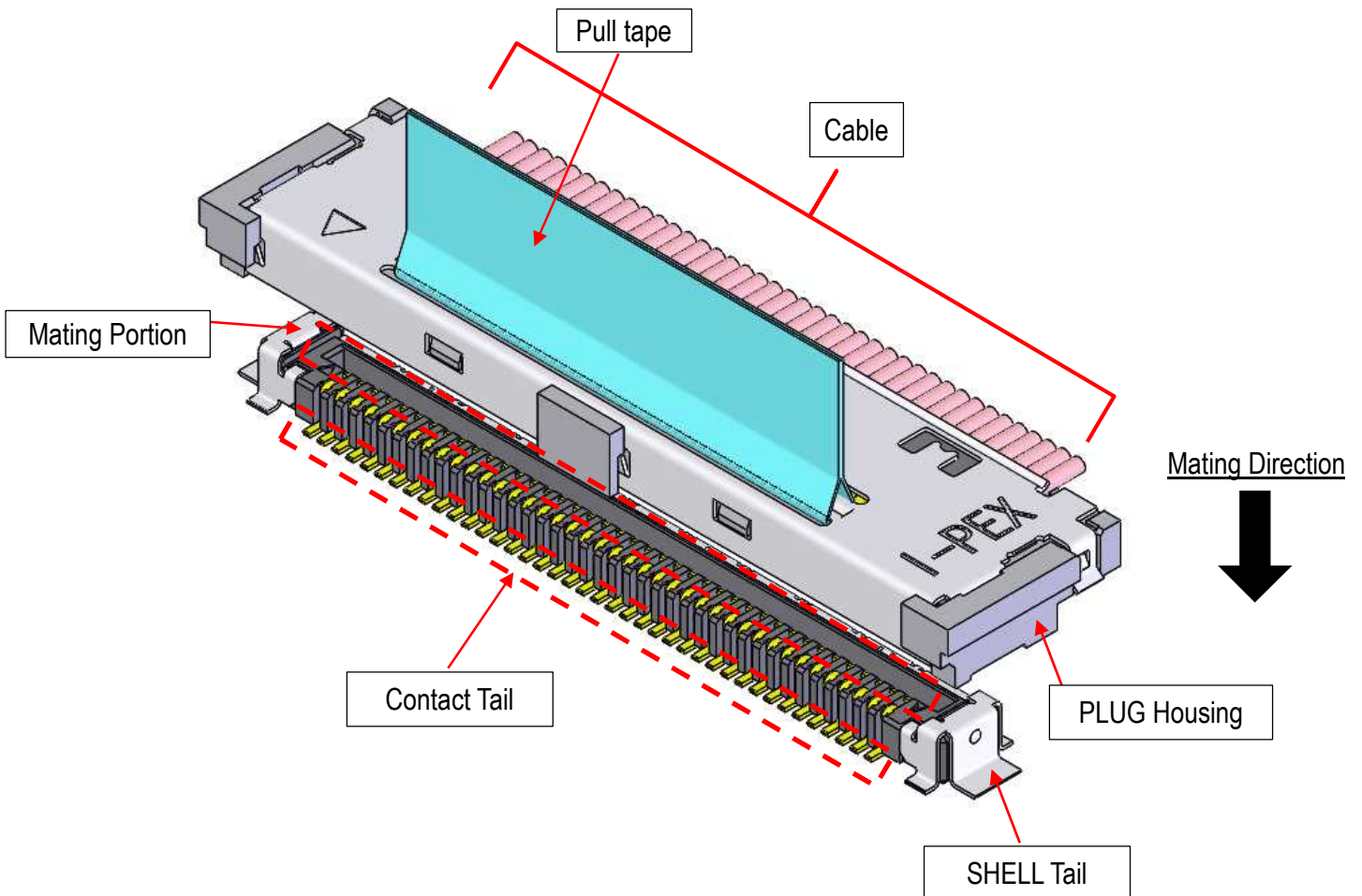


Fig.1

【Connector Insertion Method】

1-1 Align the Cable and the Contact Tail to opposite direction as shown Fig 1.

Do not align the Cable and the Contact Tail to same direction.

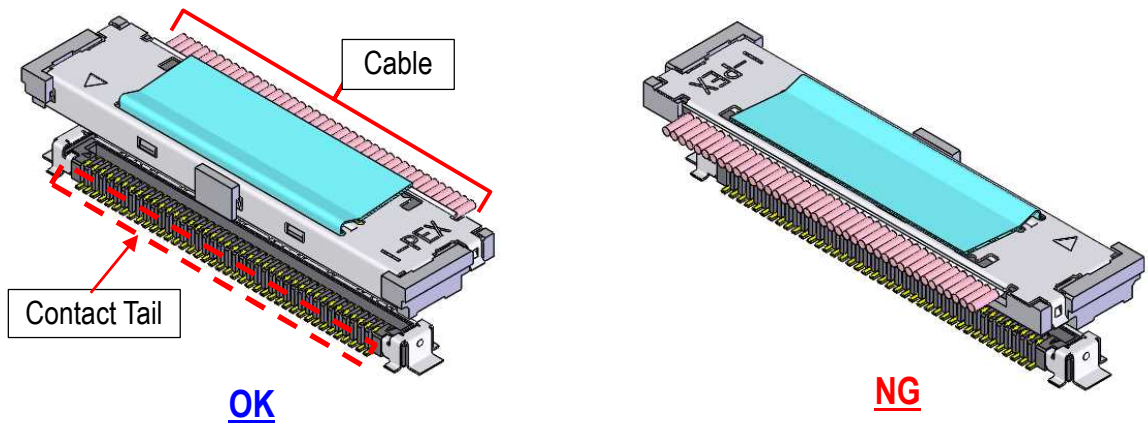


Fig 2

1-2 Push down the cable side connector to PCB side connector straightly as shown Fig 3 until feeling the “Click”.

The pushing position is as shown Fig 4 and 5.

Then push the both ends of connector to confirm it is not one-side mating.

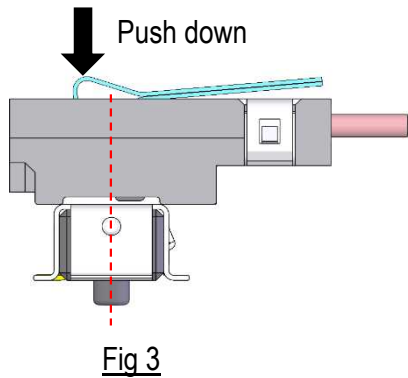


Fig 3

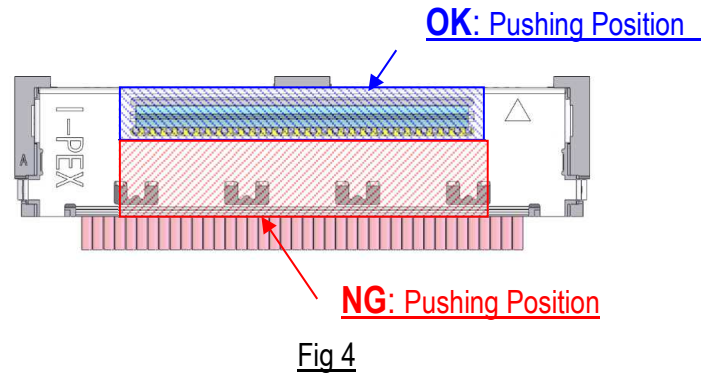


Fig 4

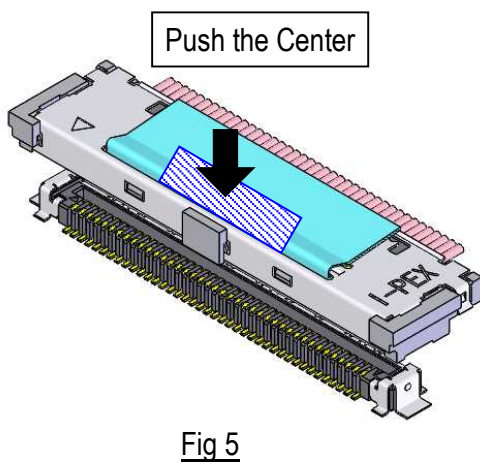


Fig 5

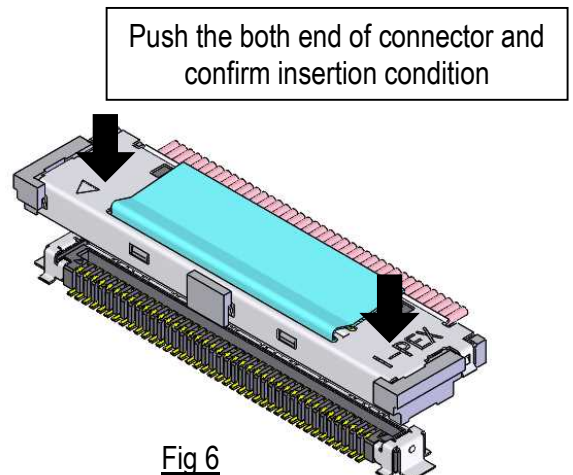


Fig 6

<Caution 1>

Do not insert the cable side connector to PCB side connector by slanted insertion after pre-insertion

\*Pre-insertion: It is the action to decide the pitch position and mating position.

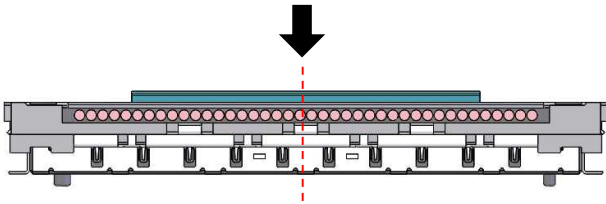
It is the insertion of no applying excessive load in the insertion direction.

<Caution 2>

Do not insert t by slanted against horizontal direction

It is possibility to cause the product deformation.

**OK**



**NG**

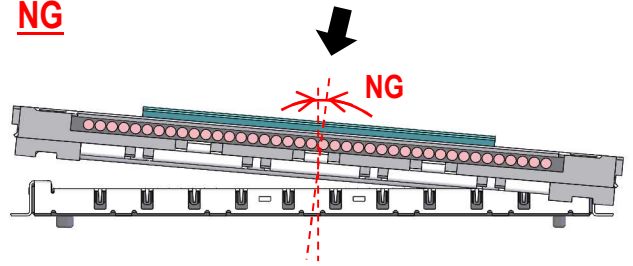


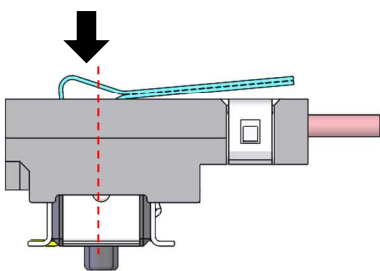
Fig 7

<Caution 3>

Do not insert t by slanted against vertical direction

It is possibility to cause the product deformation.

**OK**



**NG**

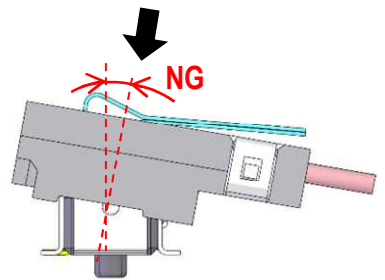
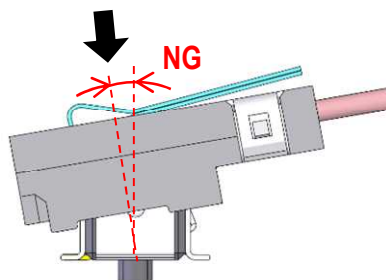


Fig 8

<Caution 4>

Push down the cable side connector to PCB side connector straightly until feeling the “Click”.

The distance from PLUG Housing to upper surface of SHELL Tail is less than 0.15mm at full assembly.

It is the mating NG when the distance is over 0.15mm.

It is possibility to cause the conduction failure.

**OK**

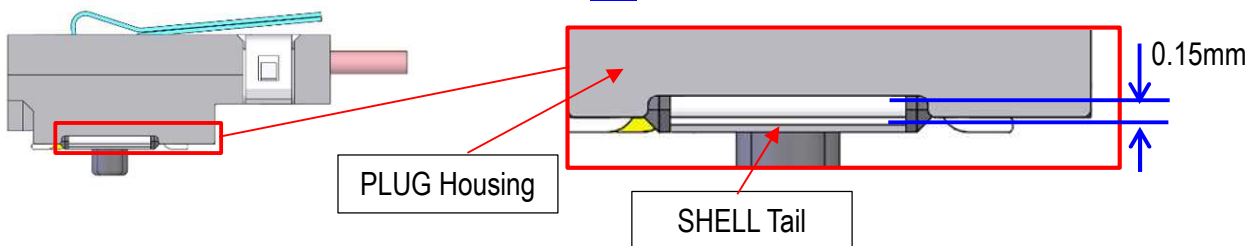


Fig 9

[Connector Withdrawal Method]

2-1 Pull the pull tape vertically as shown Fig 10.

**OK**

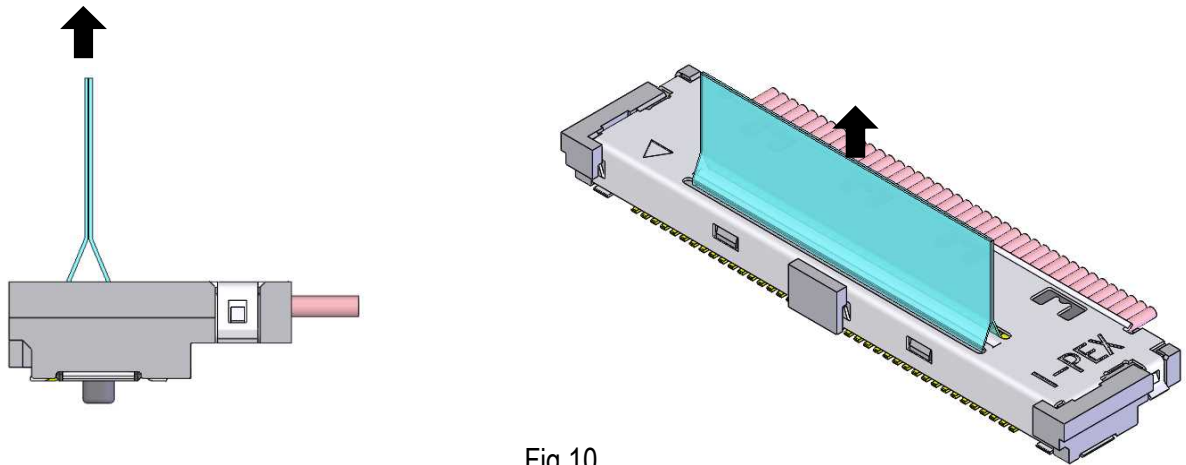


Fig 10

※Pull the pull tape vertically even if the pull tape position is offset from mating axis by the adhesive as shown Fig 11.

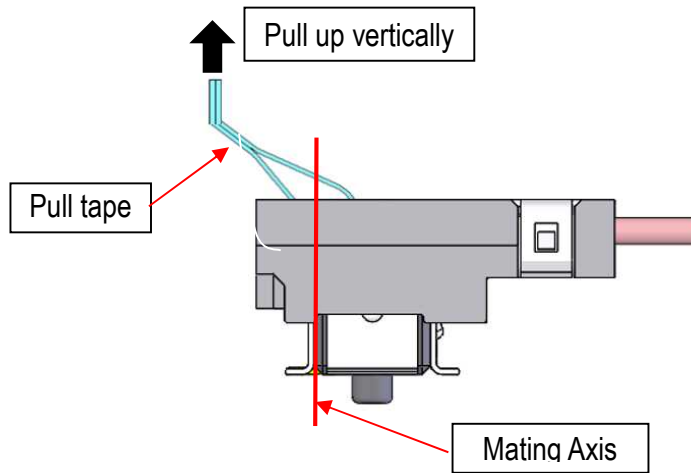
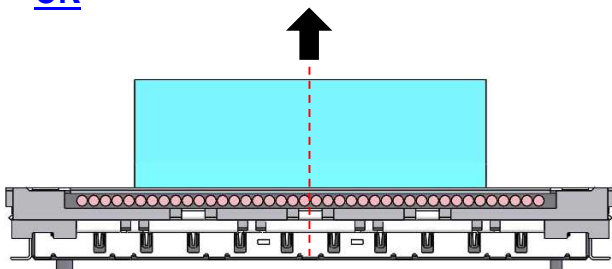


Fig 11

<Caution 5>

Do not pull the pull tape by slanted against horizontal direction during the withdrawing. It is possibility to cause the product deformation.

**OK**



**NG**

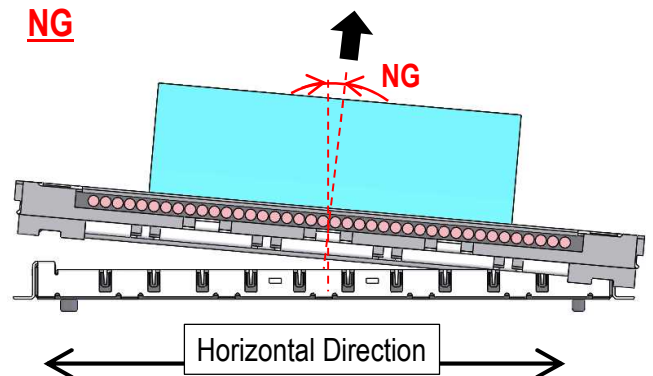
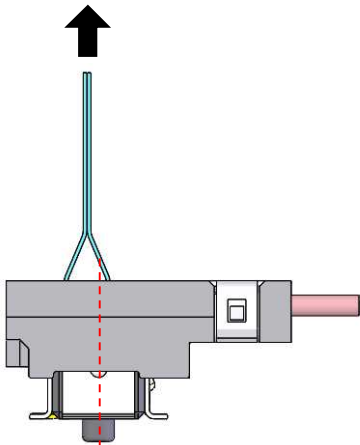


Fig 12

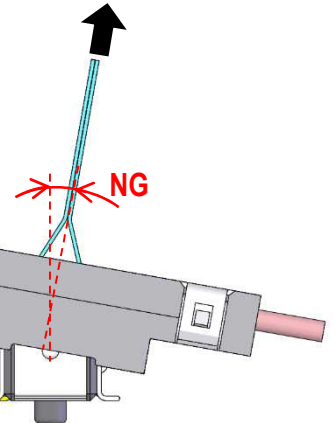
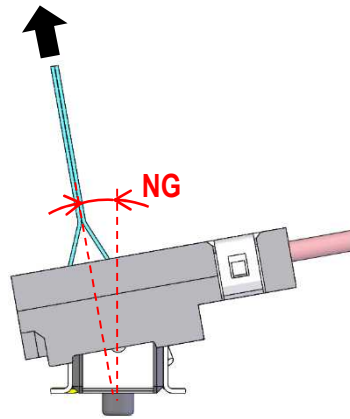
<Caution 6>

Do not pull the pull tape by slanted against vertical direction during the withdrawing.  
It is possibility to cause the product deformation.

**OK**



**NG**



**Fig 13**