MHF® I Connector

Instruction Manual

Rev.	ECN	Date	Prepared by	Checked by	Approved by
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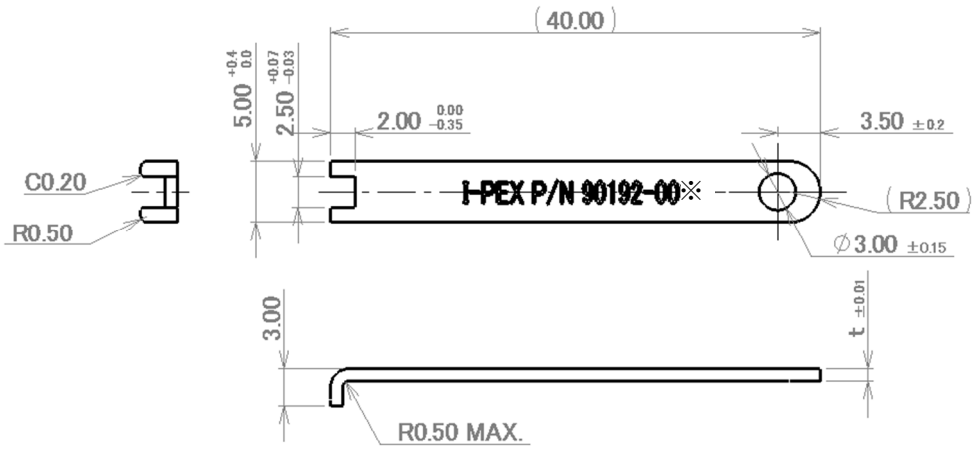
5	S17611	August 21, 2017	M.Nomoto	S.Taguchi	T.Hirakawa
4	S17368	May 15, 2017	M.Nomoto	K.Yufu	K.Yotsutani
3	S17173	March 9, 2017	M.Abe	K.Ikeshita	T.Matsumoto

This manual is to explain the insertion & withdrawal methods and important points in handling of MHF I Connector PLUG with cable for the purpose of proper use.

【Pull JIG】

To avoid excessive stress to cable connection points, it is recommended to use special jig as show in Fig. 1.
The cable connector has a design feature to hook this “pull jig”. (See Fig. 2)



Part No.	t
90192-001	1.0
90192-002	0.8

Fig. 1 Recommendation：PLUG pull JIG

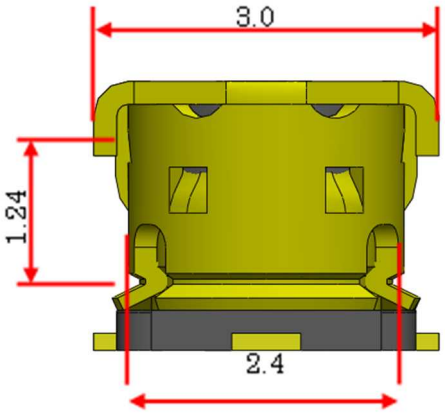


Fig. 2 PLUG connector design feature to hook pull jig

【CONNECTOR INSERTION MANUAL】

1. How to hold a cable connector

Hold the both ends of cable connector as show in Fig. 3.

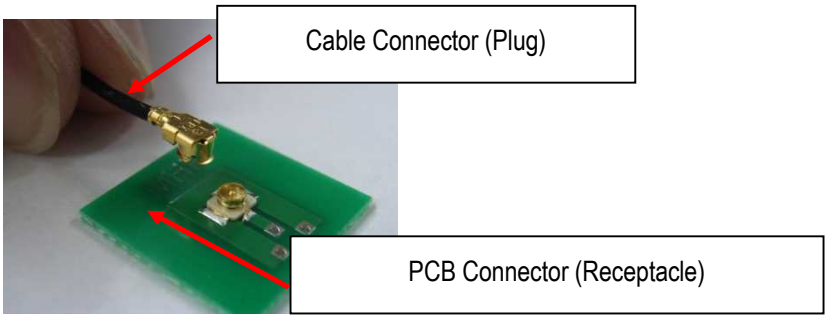


Fig. 3

2. Which direction to mate

Set connectors of the board side and of the cable side as shown in Fig. 4.

Please check they are set firmly by moving back and forth slightly.

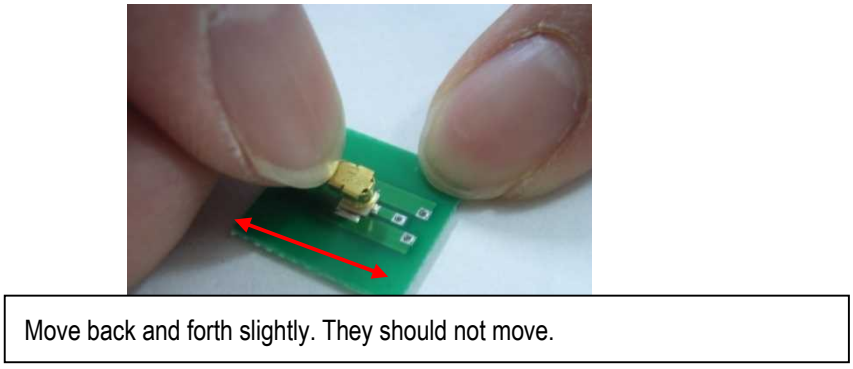


Fig. 4

CAUTION

・Please make sure to set the cable side connector parallel to the board as shown in Fig. 5.

If you mate in not parallel condition as shown in Fig. 6, connector will be damaged.

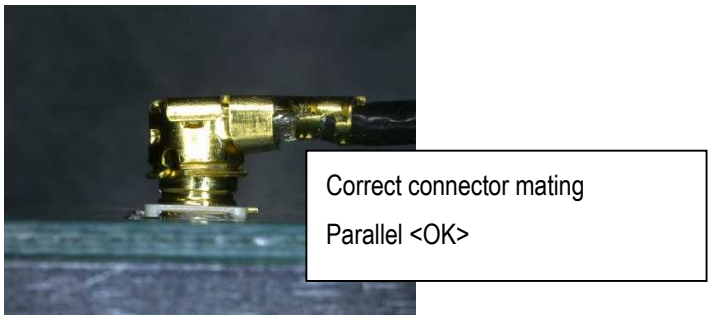


Fig. 5

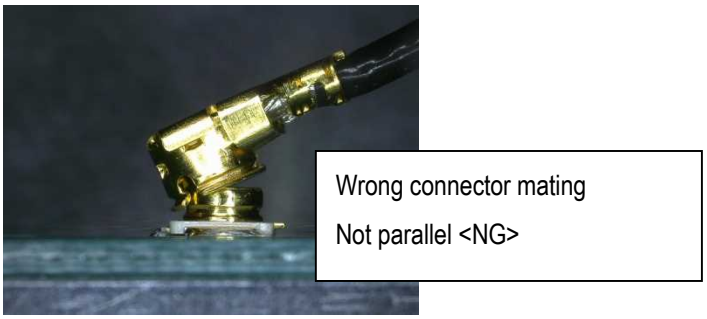


Fig. 6

3. How to mate

Push cable connector at its center location vertically as show in Fig. 7.When click sound can be heard "the connector mating action is complete".

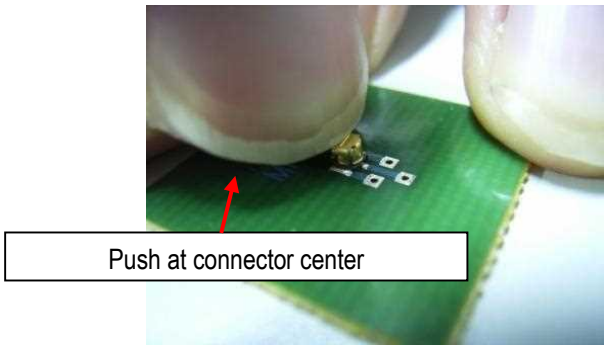


Fig. 7

(How to with draw cable connector.)

① Slide the "pull jig" from the opposite side of a cable and attach to the cable connector. (See Fig. 8-a)

② The jig must be moved until it reaches a stopper just as it holds the cable connector. (See Fig. 8-b)

③ Lift up the jig vertically to the PCB surface. (See Fig. 8-c)

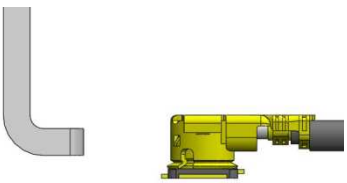


Fig. 8-a

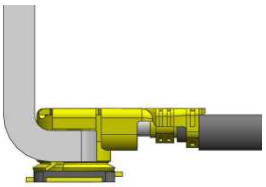


Fig. 8-b

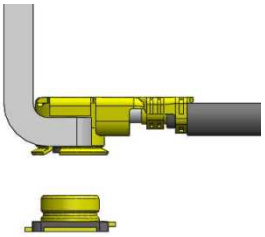


Fig. 8-c

CAUTION

- Do not un-mate a cable connector by pulling cable.
- "Pull jig" must be lifted up vertically to PCB surface.
- In case you withdraw the cable connector by hand, You must lift it up vertically by holding the hook area which is located at both connector ends.

(CAUTION IN CABLE CONNECTOR HANDLING)

・In the case of Fig. 9, it has possibility to damage to the housing and come off from receptacle connector.
Especially when operator give continuous force to the direction (black allow), the tendency become higher.
So please take care of handling of harness.

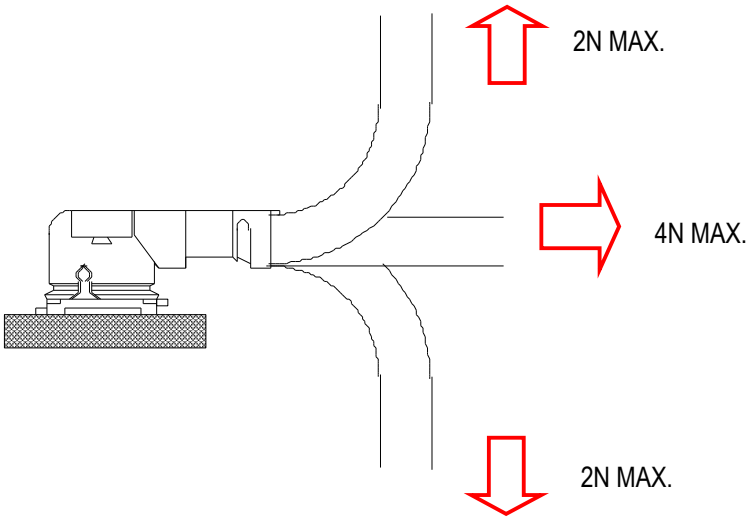


Fig. 9

(CAUTION IN REEL HANDLING)

In the case of Fig. 10, it has possibility to deform and damage to the connector,
when operator give too much force.
So please take care of handling of reel.

Fig. 10