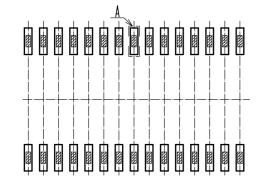
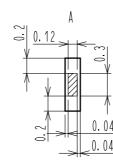




THE POSITION BETWEEN THE CONNECTOR AND PAD

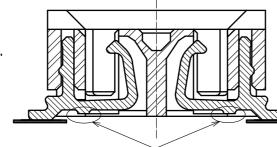


Connector lead on PAD layout ☐ PAD layout



CAUTION FOR SOLDERING

THERE IS METAL EXPOSURE AREA BOTTOM OF THE CONNECTOR. TO AVOID SOLDER WICKING FROM THE BOTTOM SIDE, PLEASE DESIGN PCB PAD AND STENCIL WITH RECOMMENDED DIMENSIONS.



MATING METHOD

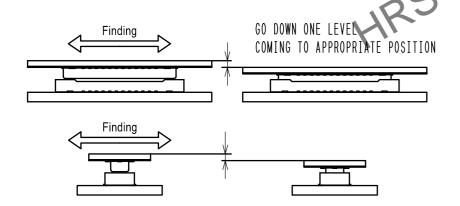
PLEASE MATE THE CONNECTOR BY HAND.

MATING PROCEDURE

FORM HC0011-5-8

(1) FIND THE ALIGNMENT AREA TO THE CONNECTOR IN THE APPROPRIATE MATING POSITION. THIS CONNECTOR HAS AN ALIGNMENT CHAMBER(GUIDANCE RIBS) ON RECEPTACLE SIDE AND SO THAT THE CONNECTOR WILL BE SELF-ALIGNED.

WHEN THE CONNECTOR COMES TO THE APPROPRIATE POSITION, THE CONNECTOR GOES INTO THE ALIGNED POSITION. WHEN ALIGNED, IT CAN BE FELT BY HAND.



(2) WHEN GUIDING. THE CONNECTORS ARE ALIGNED PARALLEL TO EACH OTHER. WITH LONGITUDINAL AND LATERAL MOVEMENTS RESTRICTED. MATE THEM PROPERLY BY APPLYING FORCE IN THIS CONDITION.

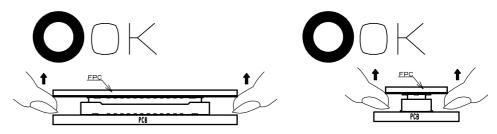


(3) MAKE SURE THE CONNECTORS ARE MATED CORRECTLY. IF ONE SIDE IS FLOATING OR THE CONNECTORS ARE MATED IN ONE DIRECTION, UN-MATE THEM ONCE, AND THEN MATE THEM AGAIN, FOLLOWING THE PROCEDURES ABOVE FROM THE BEGINNING.

UN-MATING METHOD

PLEASE UN-MATE THE CONNECTOR BY HAND

( 1 ) UN-MATE THE CONNECTORS PARALLEL TO EACH OTHER. HOWEVER, IF THE CONNECTORS HAVE HIGH PIN COUNTS OR THINNER FPC AND STIFFENER, IT BECOMES MORE DIFFICULT TO DO SO.

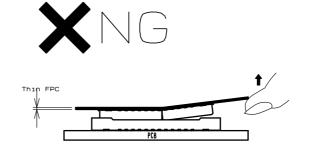


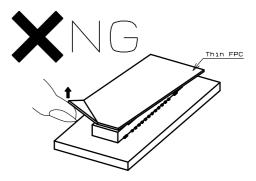
(≥) IF THE CONNECTOR CANNOT BE UN-MATED PARALLEL IT CAN BE REMOVED DIAGONALLY FROM THE PITCH DIRECTION. TO DO SO SINCE THIS ACTION APPLIES STRESS ON THE CONTACT.





THE CONNECTOR CAN BE BROKEN. PLEASE CHECK THE ACTION OF THE FPC TO BE USED REPEATEDLY AT THE TIME OF TRIAL PRODUCTION. BE CAREFUL TO UN-MATE THEM FROM THE PITCH DIRECTION, PULLING IT FROM THE CORNER CAN ALSO RISK TO PUTTING STRESS ON CONTACTS.

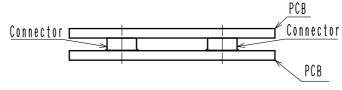




(4) Caution for using multiple connectors.

Please avoid using more than a single mated pair of connectors between two sandwiched PCBs. like the picture on the below.

Due to possible misalignment, connector breakage while and after mating may occur.



If using more than a single mated pair, please use divided boards for each connection.

