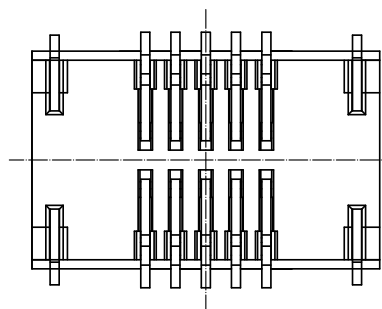
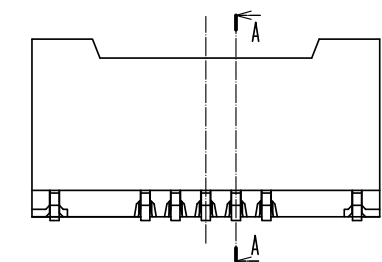
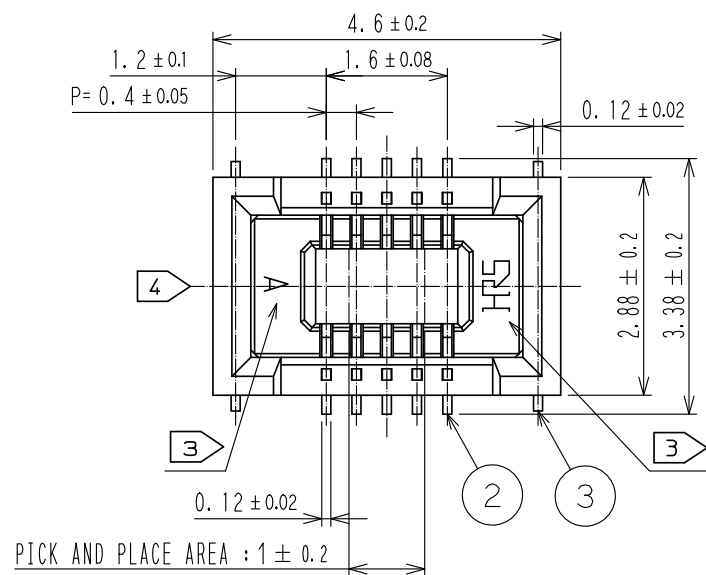
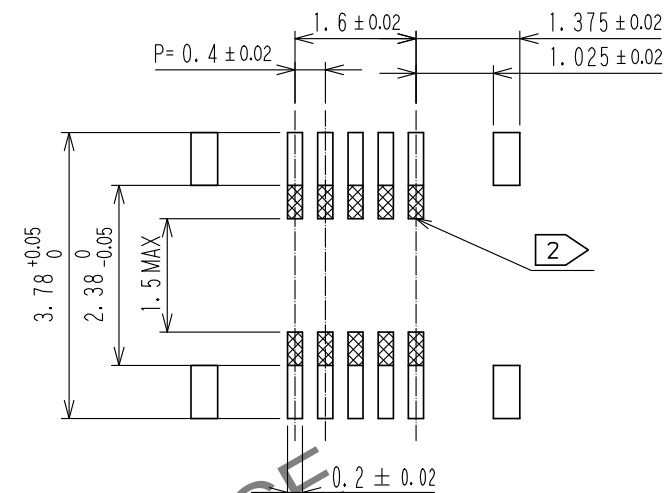


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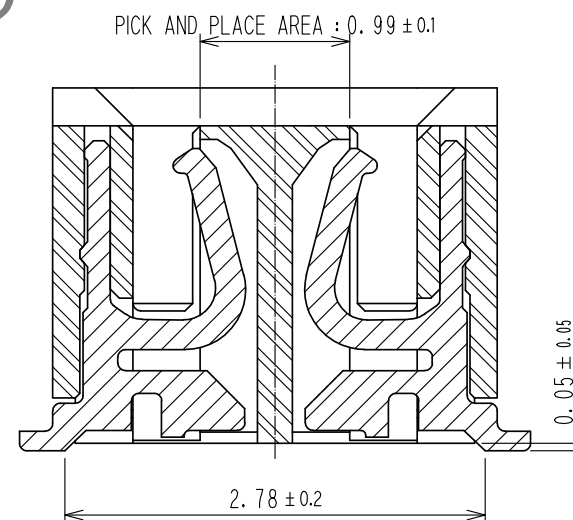
NOTE 1. All lead co-planarity will be 0.1mm MAX.
2 is no pattern area other than the same circuit.
3 HRS mark and cavity number are indicated at approximate location.
4 A gate is located in the approximate area.
There's a recess on the sideface for the gate.

Recommended pattern

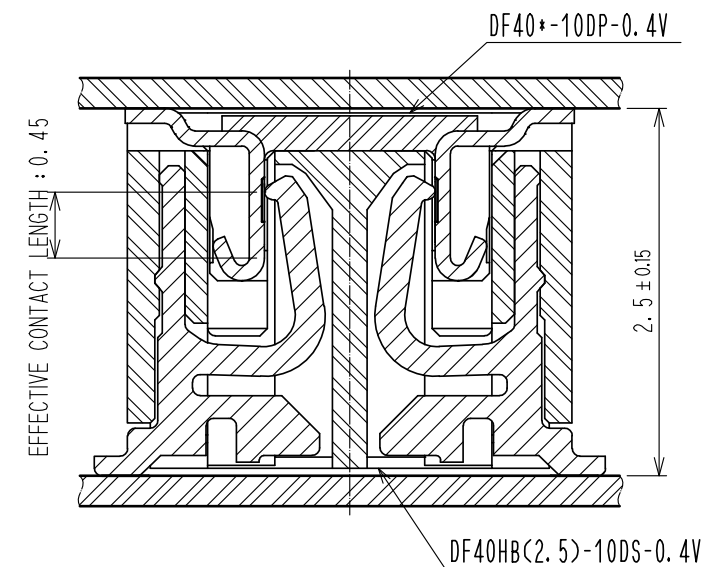


Recommended metal mask thickness : 120um
Recommended metal mask opening ratio : 80% for lead PAD

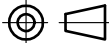
A-A (20:1)



ENGAGED FIGURE (20:1)



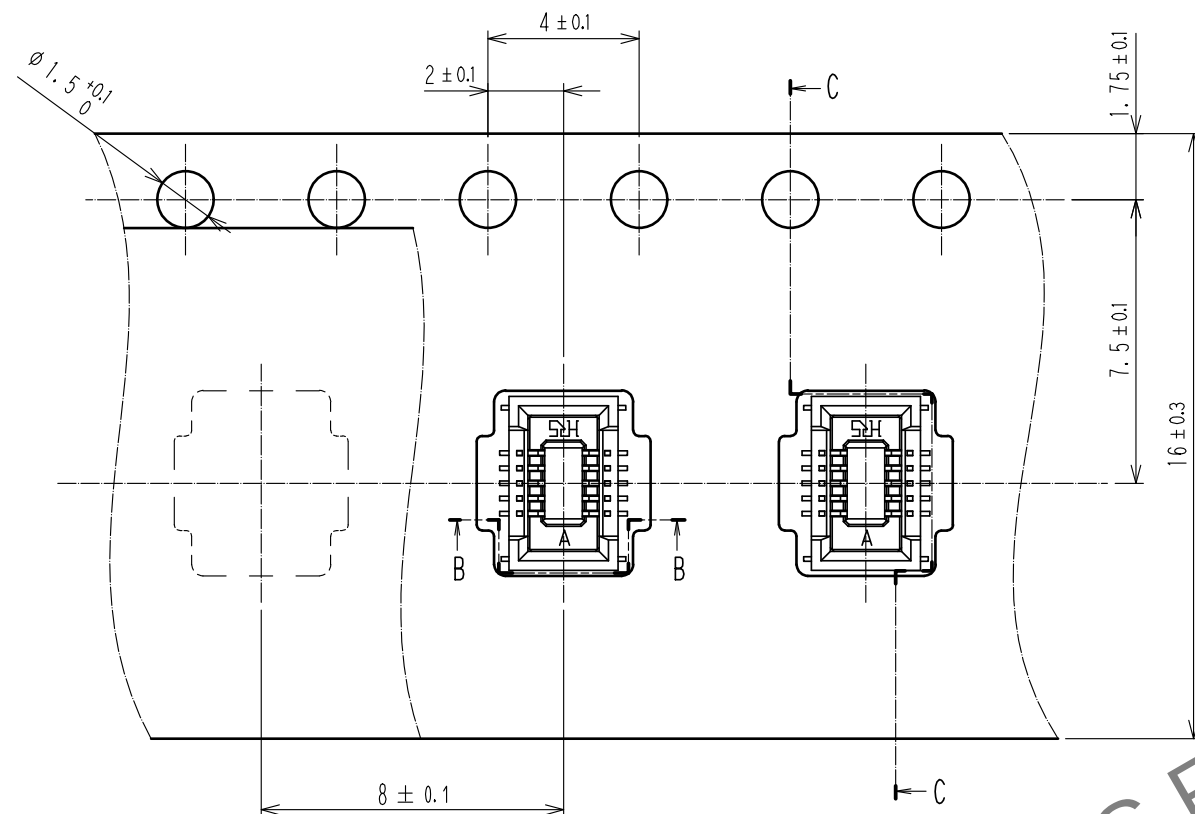
Notes change

① Notes change			7		PS	CLEAR, REINFORCEMENT COLLAR		
2	PHOSPHOR BRONZE	CONTACT AREA:GOLD 0.05μm MIN SMT LEAD:GOLD 0.05μm MIN UNDERPLATING:NICKEL 1μm MIN	6		PS	BLACK, PLASTIC REEL		
			5		POLYESTER	CLEAR, COVER TAPE		
			4		PS	CLEAR, EMBOSSED CARRIER TAPE		
1	LCP	BLACK	3		PHOSPHOR BRONZE	GOLD 0.05μm MIN		
NO.	MATERIAL	FINISH . REMARKS		NO.	MATERIAL	FINISH . REMARKS		
UNITS mm		SCALE 10 : 1	COUNT  5	DESCRIPTION OF REVISIONS DIS-H-00018985		DESIGNED YT. TAKAGI	CHECKED RT. SHIMIZU	DATE 20230831
 HIROSE ELECTRIC CO., LTD.		APPROVED : KH. IKEDA		20140530		DRAWING NO. EDC3-345844-01		
		CHECKED : TS. MIYAZAKI		20140530		PART NO. DF40HB(2.5)-10DS-0.4V(51)		
		DESIGNED : TY. 001		20140529		CODE NO. CL0684-4189-3-51		
		DRAWN : TY. 001		20140529		 ①		

HRS HIROSE ELECTRIC CO., LTD.

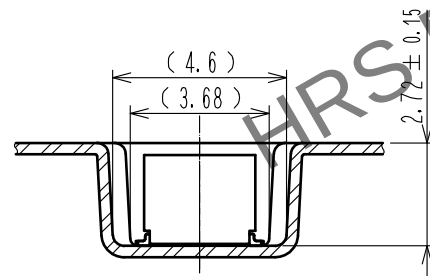
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EMBOSSED CARRIER TAPE PACKAGING (5:1)

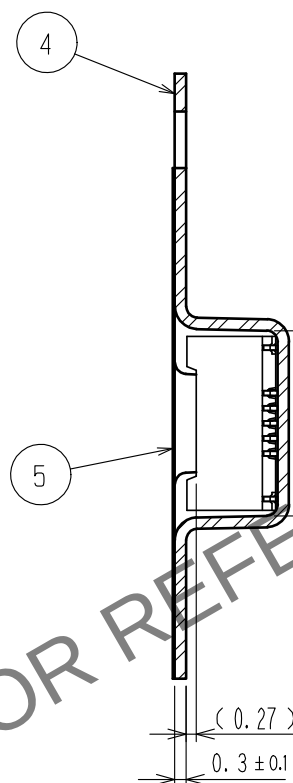


UNREEL DIRECTION

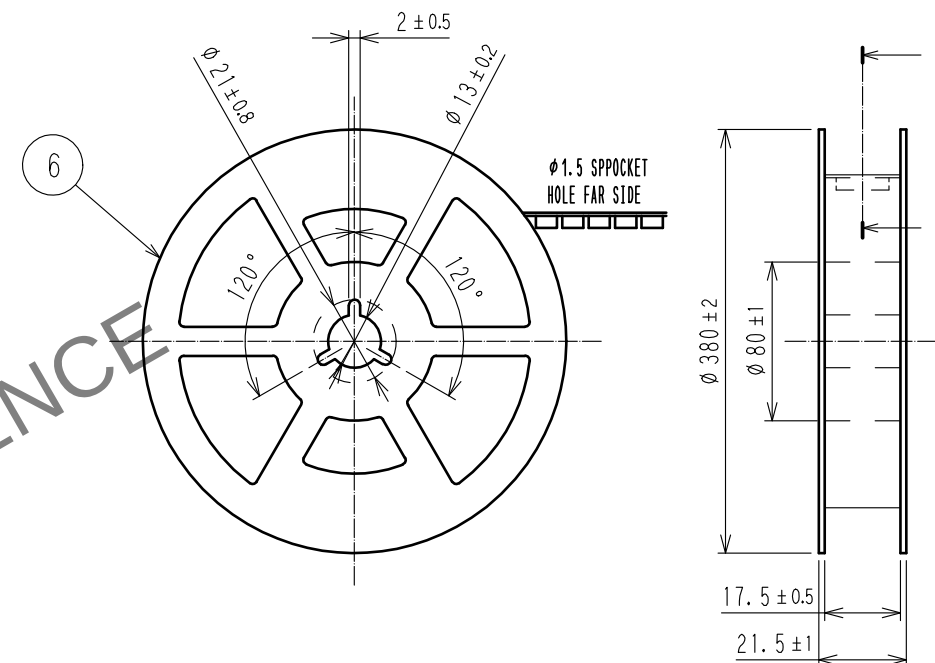
B-B (5:1)



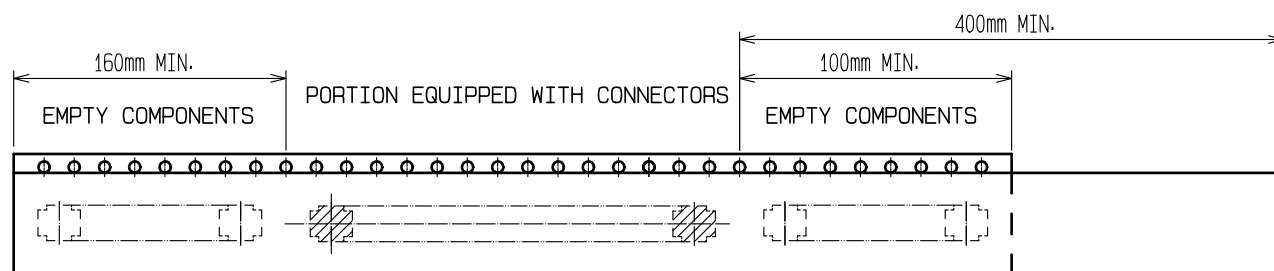
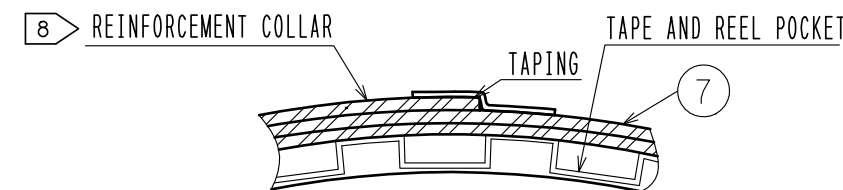
C-C (5:1)



STYLE AND DIMENSION OF REEL (FREE SIZE)



D-D (FREE)



- NOTES)
- 3000 connectors per reel.
 - The dimensions in parentheses are only for reference.
 - Refer to IEC 60286-3 (packaging of components for automatic handling)
 - The reinforcing collar is wrapped around the emboss tape and taped down at the end of the collar.
 - One of several is different in from of the embossed caeeier tape to avoid being stuck in.
 - Product reels and packaging will be clearly labeled whith the part number. Lot number and quantity.

HRS

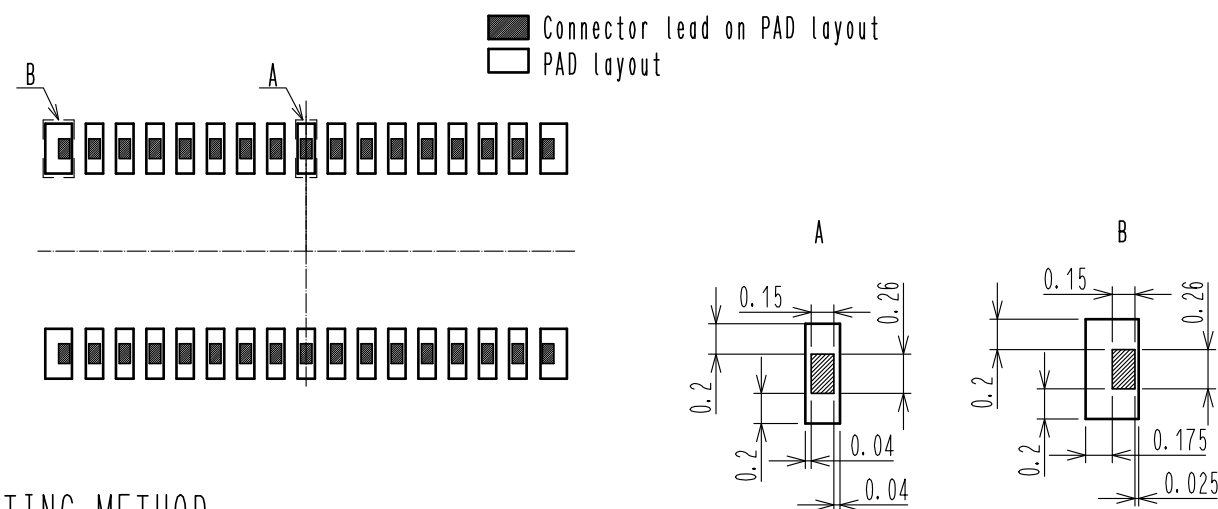
DRAWING NO.	EDC3-345844-01
PART NO.	DF40HB(2.5)-10DS-0.4V(51)
CODE NO.	CL0684-4189-3-51

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△11. PLEASE REFER TO THE PRODUCT GUIDELINE ETAD-H1015 FOR DETAIL OF CONNECTOR HANDLING.

THE POSITION BETWEEN THE CONNECTOR AND PAD

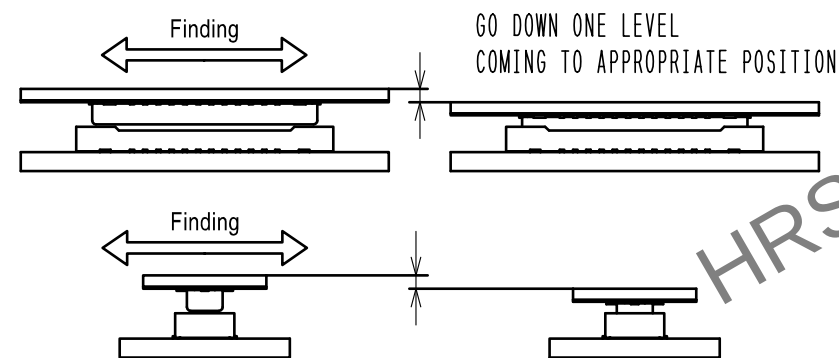


MATING METHOD

PLEASE MATE THE CONNECTOR BY HAND.

MATING PROCEDURE

- (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 'R' ON PLUG SIDE,
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.

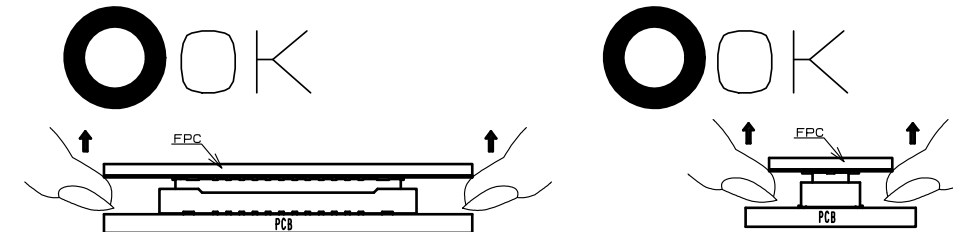


- (3) MAKE SURE THE CONNECTORS ARE MATED CORRECTLY. IF ONE SIDE IS FLOATING OR THE CONNECTORS ARE MATED IN ONE DIRECTION, UN-MATE THEM ONCE, AND THEN MATE THEM AGAIN, FOLLOWING THE PROCEDURES ABOVE FROM THE BEGINNING.

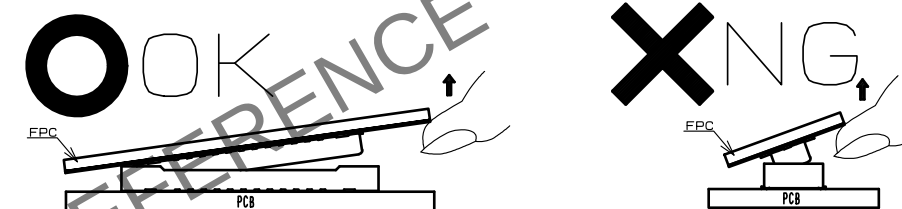
UN-MATING METHOD

PLEASE UN-MATE THE CONNECTOR BY HAND

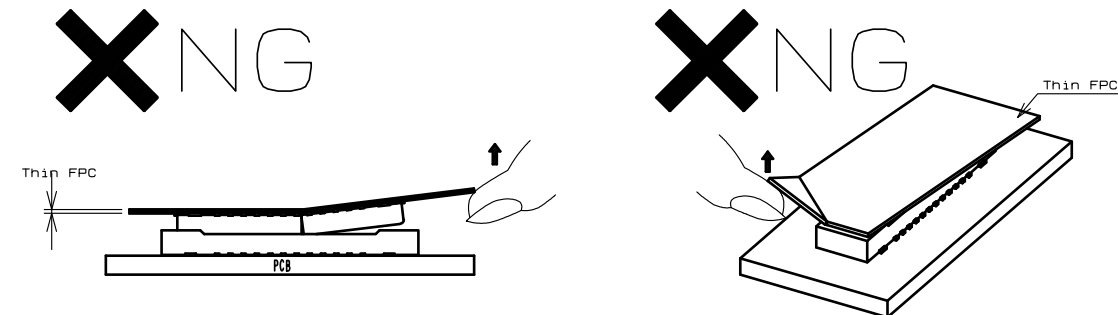
- (1) UN-MATE THE CONNECTORS PARALLEL TO EACH OTHER. HOWEVER, IF THE CONNECTORS HAVE HIGH PIN COUNTS OR THINNER FPC AND STIFFENER, IT BECOMES MORE DIFFICULT TO DO SO.



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

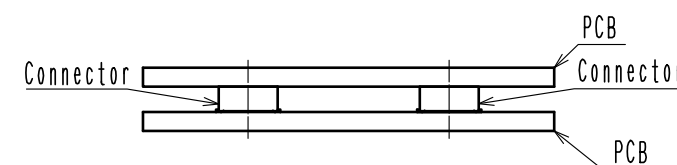


- (3) IF THE FPC IS NOT RIGID, THE CONNECTOR CAN BE BROKEN. PLEASE CHECK THE ACTION OF THE FPC TO BE USED REPEATEDLY AT THE TIME OF TRIAL PRODUCTION. BE CAREFUL TO UN-MATE THEM FROM THE PITCH DIRECTION. PULLING IT FROM THE CORNER CAN ALSO RISK TO PUTTING STRESS ON CONTACTS.

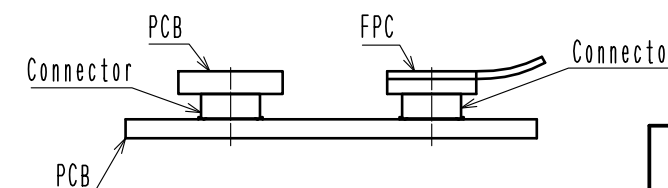


- (4) Caution for using multiple connectors.

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.



HRS

DRAWING NO.	EDC3-345844-01
PART NO.	DF40HB(2.5)-10DS-0.4V(51)
CODE NO.	CL0684-4189-3-51

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