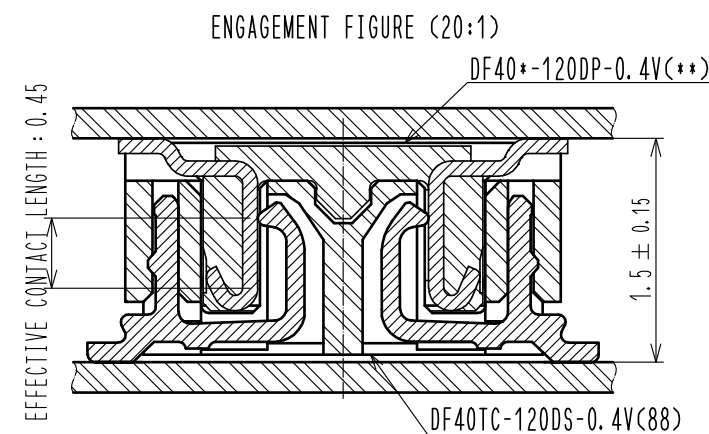
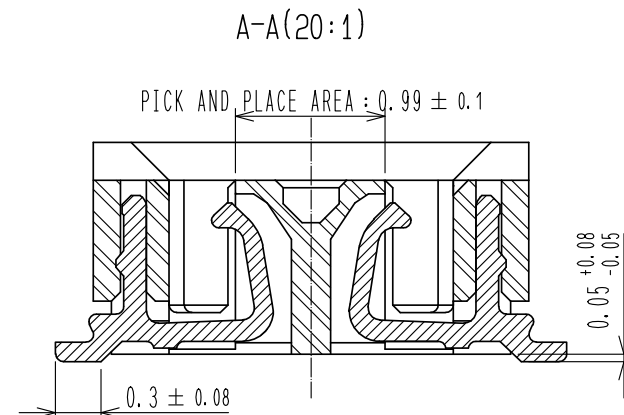
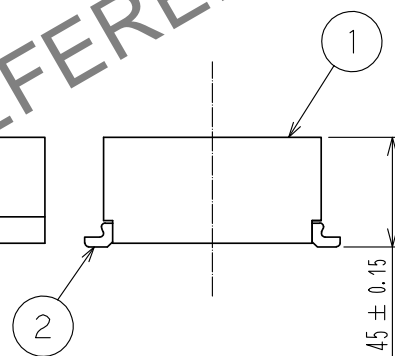
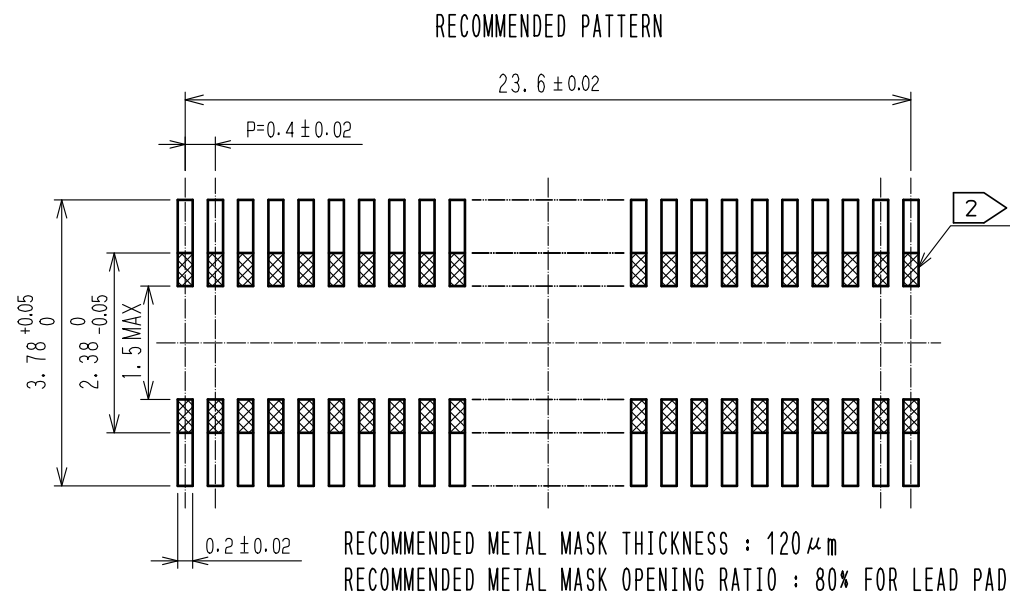
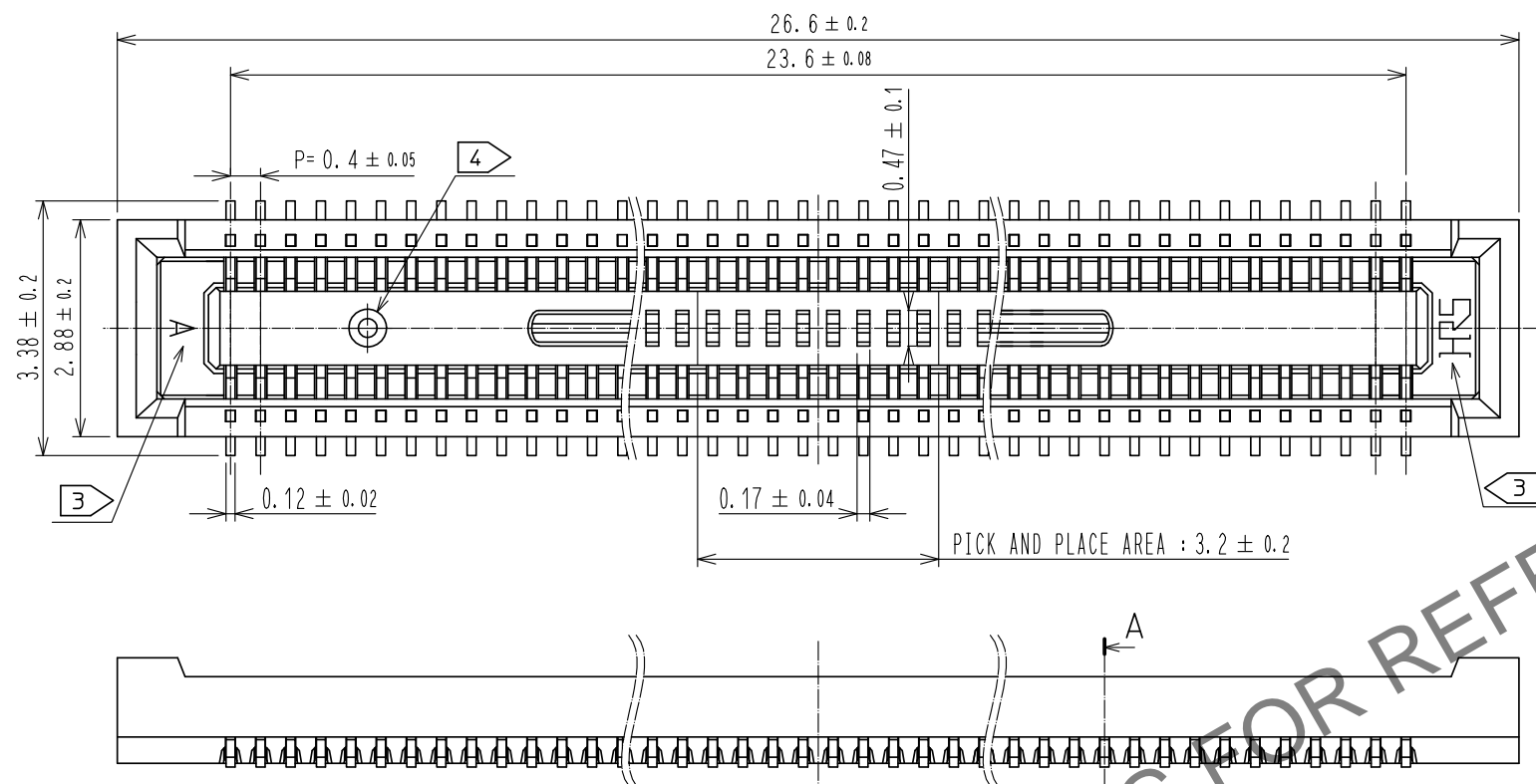
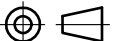





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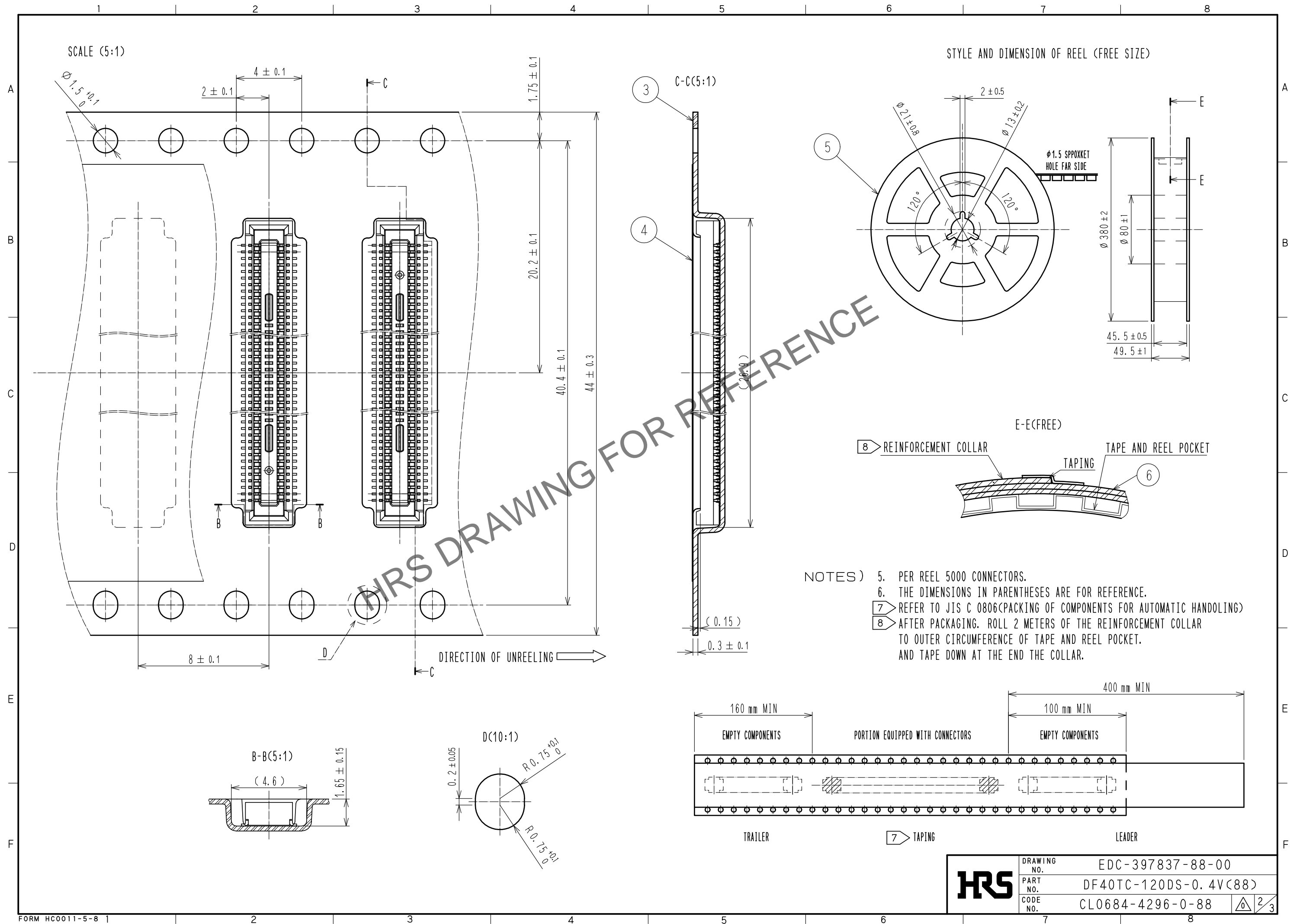


- NOTES)
- ALL LEADS METAL FITTINGS CO-PLANARITY SHALL BE 0.1mm MAX.
  - IS NO PATTERN AREA OTHER THAN THE SAME CIRCUIT.
  - HRS MARK AND CAV NO. IS INDICATED IN APPROXIMAL POSITION SHOWN.
  - GATE POSITIONS IS IS POSITIONED IN APPROXIMAL AREA SHOWN.

2	COPPER ALLOY	CONTACT AREA:GOLD 0.05μm MIN	6	PS	CLEAR, REINFORCEMENT COLLAR
		SMT LEAD:GOLD 0.05μm MIN	5	PS	BLACK, PLASTIC REEL
		UNDERPLATING:NICKEL 1μm MIN	4	POLYESTER	CLEAR, COVER TAPE
1	LCP	BLACK, UL94V-0	3	PS	CLEAR, EMBOSSED CARRIER TAPE
NO.	MATERIAL	FINISH , REMARKS	NO.	MATERIAL	FINISH , REMARKS

UNITS mm		SCALE 10 : 1		COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
 HIROSE ELECTRIC CO., LTD.		APPROVED :WR. FUKUCHI	20211025	DRAWING NO. EDC-397837-88-00				
		CHECED :YK. SATAKE	20211025	PART NO. DF40TC-120DS-0.4V(88)				
		DESIGNED :RH. KAGAMI	20211025	CODE NO. CL0684-4296-0-88				
		DRAWN :RH. KAGAMI	20211025	 1/3				

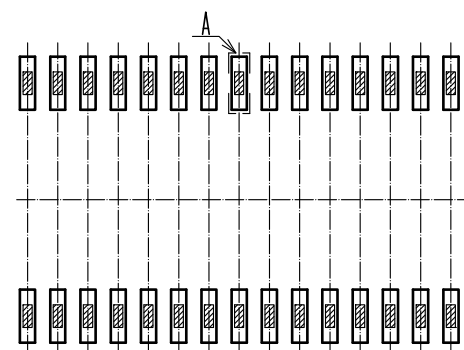
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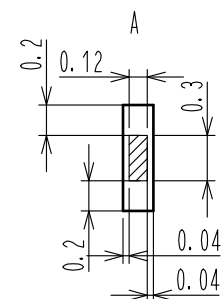
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9. PLEASE REFER TO THE PRODUCT GUIDELINE ETAD-H1015 FOR DETAIL OF CONNECTOR HANDLING.

THE POSITION BETWEEN THE CONNECTOR AND PAD

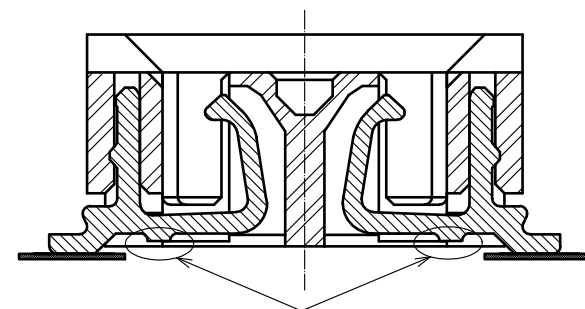


Connector lead on PAD layout  
PAD layout



### 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.

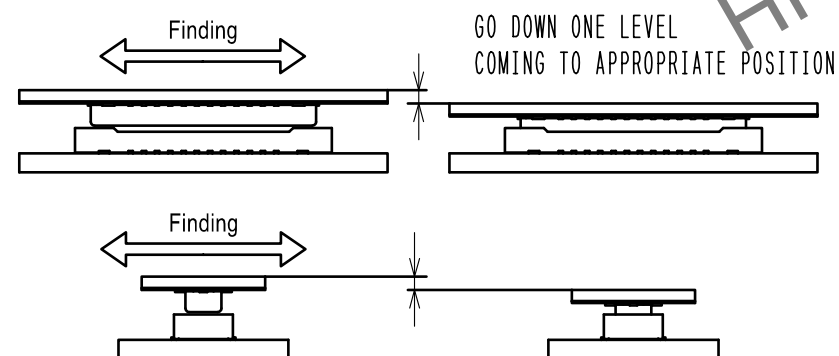


### MATING METHOD

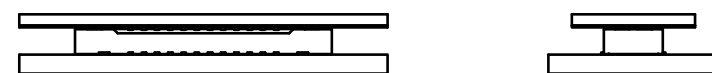
PLEASE MATE THE CONNECTOR BY HAND.

#### MATING PROCEDURE

- (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.

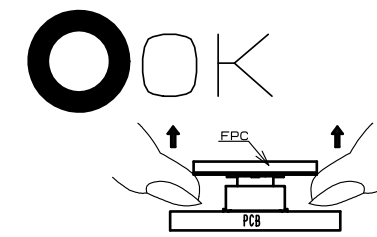
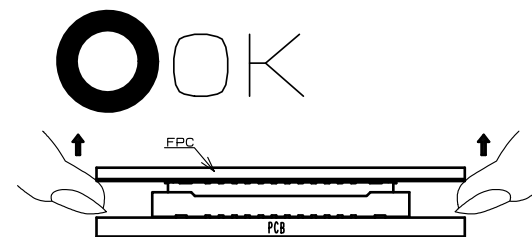


- (3) MAKE SURE THE CONNECTORS ARE MATED CORRECTLY. IF ONE SIDE IS FLOATING OR THE CONNECTORS ARE MATED IN ONE  
DIRECTION, UN-MATE THEM ONCE, AND THEN MATE THEM AGAIN, FOLLOWING THE PROCEDURES ABOVE FROM THE BEGINNING.

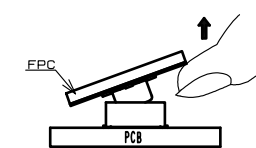
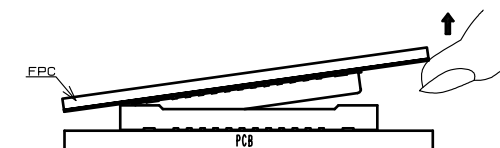
### UN-MATING METHOD

PLEASE UN-MATE THE CONNECTOR BY HAND

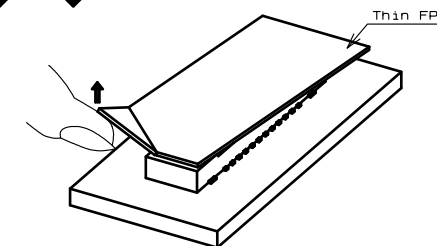
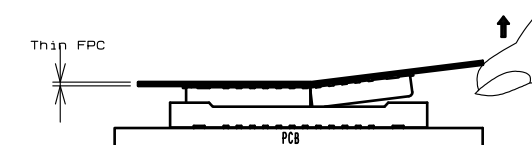
- (1) UN-MATE THE CONNECTORS PARALLEL TO EACH OTHER. HOWEVER, IF THE CONNECTORS HAVE HIGH PIN COUNTS OR  
THINNER FPC AND STIFFENER, IT BECOMES MORE DIFFICULT TO DO SO.



- (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.



HRS

図番: EDC-397837-88-00  
製品名: DF40TC-120DS-0.4V(88)  
製品コード: CL0684-4296-0-88

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