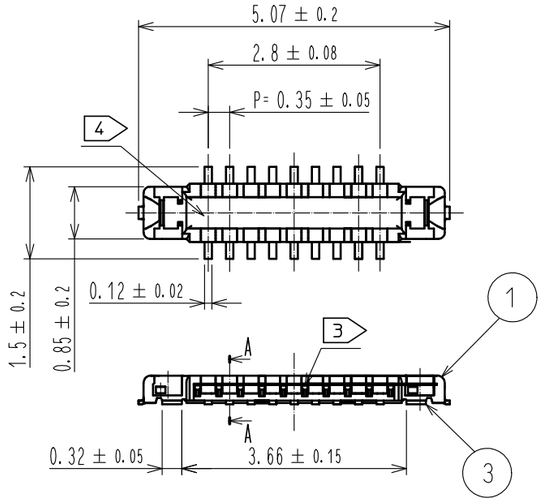
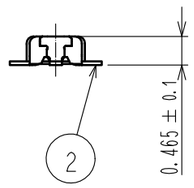
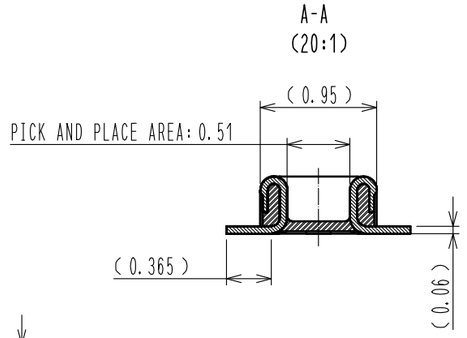
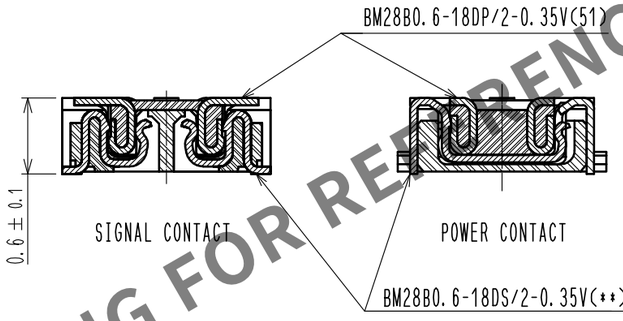
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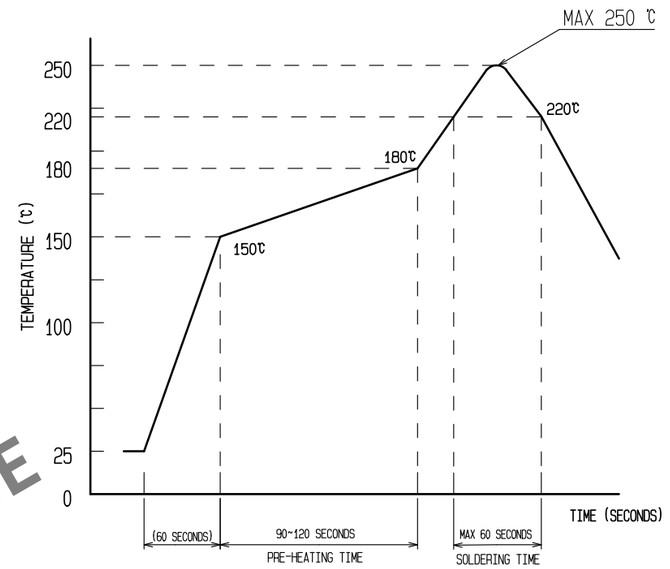




ENGAGEMENT FIGURE (20:1)



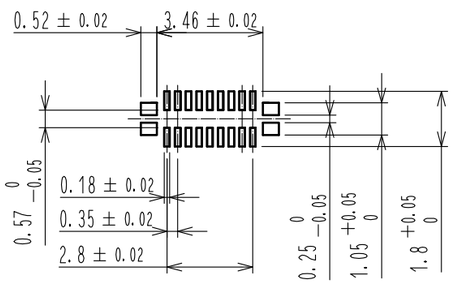

5 RECOMMENDED REFLOW TEMPERATURE PROFILE
USING LEAD-FREE SOLDER PASTE.



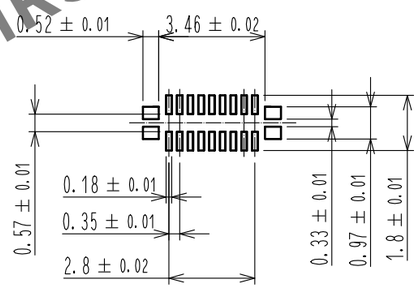

REFLOW METHOD:IR REFLOW
NUMBER OF REFLOW CYCLES:2 CYCLES MAX.
1)REFLOW TIME
DURATION ABOVE 220℃, 60 SEC MAX.
(PEAK TEMPERATURE:250℃ MAX)
2)PRE-HEAT TIME
PRE-HEAT TEMPERATURE(MIN):150℃
PRE-HEAT TEMPERATURE(MAX):180℃
PRE-HEAT TIME:90-120 SEC.

NOTE 1. ALL LEAD CO-PLANARITY SHALL BE 0.08mm MAX.
2 CONTACT PLATING SPECIFICATIONS
CONTACT AREA : GOLD 0.05μm MIN
SMT LEAD : GOLD 0.05μm MIN
UNDER PLATING : NICKEL 1μm MIN
( SURFACE : SEALING )
3 A PART OF THE WALL COULD BE NOTCHED.
4 CAV No. EXISTS IN THE INDICATED POSITION.

◆RECOMMENDED PCB LAYOUT
(LAND PATTERN)

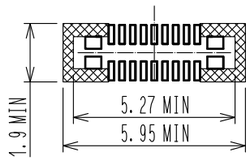



◆RECOMMENDED METAL MASK DIMENSIONS
METAL MASK THICKNESS : 80μm




◆ATTENTION FOR COMPONENT LAYOUT

COMPONENTS, CONDUCTIVE TRACES AND VIAS IN THIS AREA
MAY INTERFERE WITH RECEPTACLE SIDE




5. TEPERATURE IN THIS PROFILE IS MEASURED AT CONTACT LEAD.
ADDITIONAL FACTORS. SUCH AS SOLDER PASTE TYPE, PCB SIZE AND
OTHER MOUNTED COMPONENTS COULD AFFECT THE PROFILE,
CHECKING PROPER MOUNTING CONDITION IS REQUIRED PRIOR TO PRODUCTION.
6. PLEASE CONTACT US IN CASE YOU MAKE DIFFERENT SETTINGS
FROM OUR RECOMMENDATION.
7. THIS PRODUCT SATISFIES HALOGEN FREE REQUIREMENTS DEFINED AS
900ppm MAXIMUM CHLORINE, 900ppm MAXIMUM BROMINE, AND 1500ppm
MAXIMUM TOTAL OF CHLORINE AND BROMINE.
8. THIS PRODUCT COMPLY WITH RoHS.

HRS DRAWING FOR REFERENCE

| NO. | MATERIAL | FINISH , REMARKS | NO. | MATERIAL | FINISH , REMARKS |
|---|---|---|---|---|---|
| 4 | PS | CLEAR(EMBOSSED CARRIER TAPE) | | | |
| 3 | COPPER ALLOY | 2 | 7 | PS | CLEAR (REINFORCEMENT COLLAR) |
| 2 | COPPER ALLOY | 2 | 6 | PS | BLACK (PLASTIC REEL) |
| 1 | LCP | UL94 V-0, BLACK | 5 | POLYESTER | CLEAR (COVER TAPE) |

| UNITS | SCALE | COUNT | DESCRIPTION OF REVISIONS | DESIGNED | CHECKED | DATE |
|---|---|---|---|---|---|---|
| mm | 10 : 1 | 1 | DIS-H-00010296 | KH. ODA | TS. MIYAZAKI | 20210728 |

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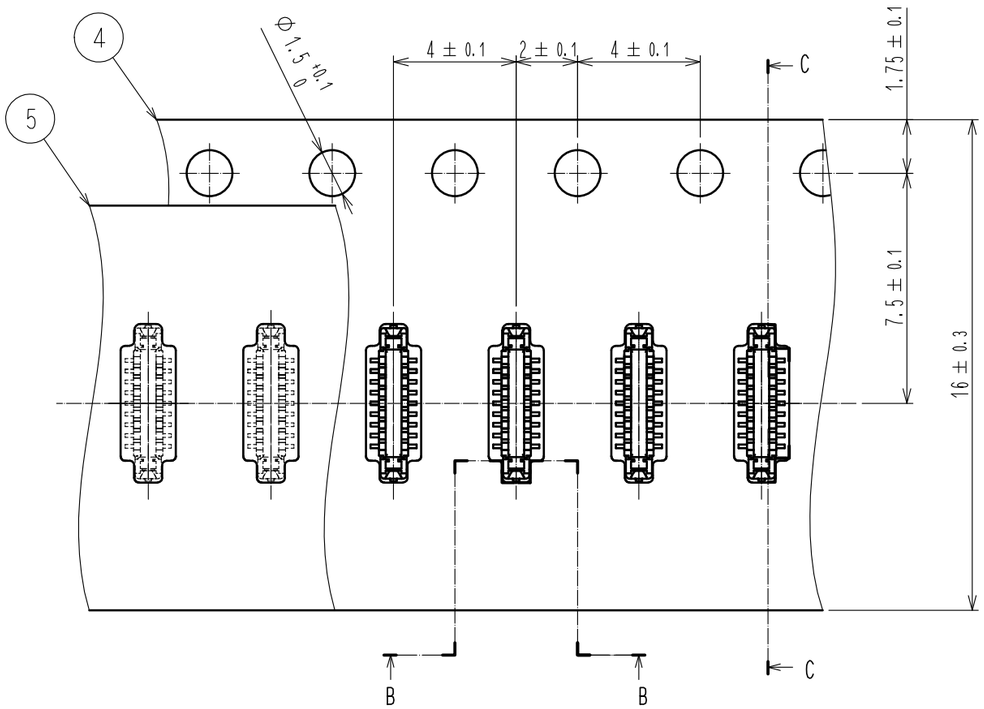
| | | |
|---|---|---|
| APPROVED | WR. FUKUCHI | 20191224 |
| CHECED | TS. MIYAZAKI | 20191224 |
| DESIGNED | KT. KUSAKA | 20191224 |
| DRAWN | KT. KUSAKA | 20191224 |

| | |
|---|---|
| DRAWING NO. | EDC-383935-51-01 |
| PART NO. | BM28B0.6-18DP/2-0.35V(51) |
| CODE NO. | CL0673-5093-0-51 |

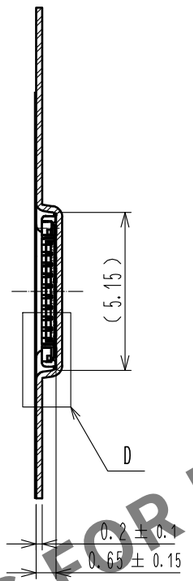
1/3

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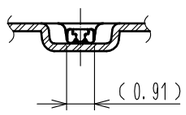
## EMBOSSED CARRIER TAPE PACKAGING (5:1)




C-C (5:1)

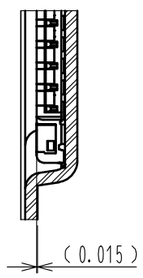


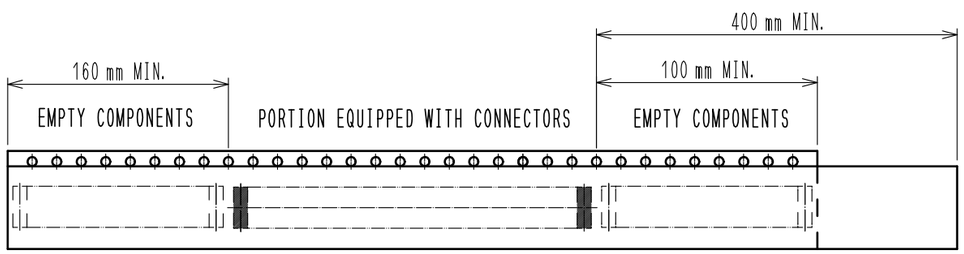

B-B (5:1)




DIRECTION OF UNREELING

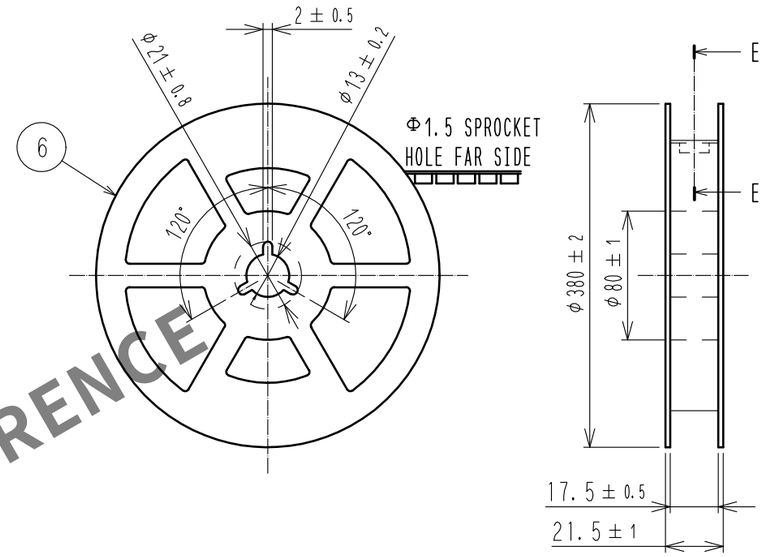
D (10:1)



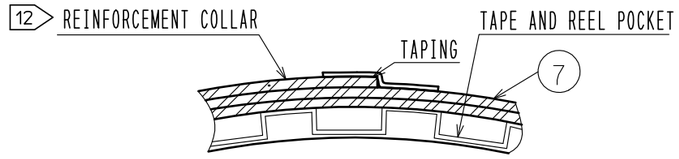




11 TAPING(FREE)

## STYLE AND DIMENSION OF REEL (FREE)




E-E (FREE)




9. PER REEL 20,000 CONNECTORS.
10. THE DIMENSIONS IN PARENTHESES ARE FOR REFERENCE.
11. REFER TO JIS C 0806 (PACKAGING OF COMPONENTS FOR AUTOMATIC HANDLING)
12. AFTER PACKAGING. ROLL 2 METERS OF THE REINFORCEMENT COLLAR TO OUTER CIRCUMFERENCE OF TAPE AND REEL POCKET. AND TAPE DOWN AT THE END THE COLLAR.

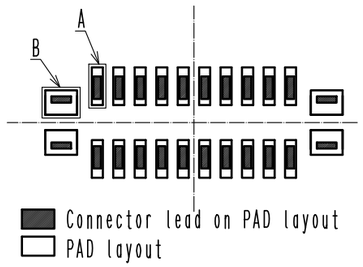
HRS DRAWING FOR REFERENCE

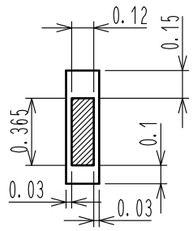
| | |
|---|---|
| DRAWING NO. | EDC-383935-51-01 |
| PART NO. | BM28B0.6-18DP/2-0.35V(51) |
| CODE NO. | CL0673-5093-0-51 |

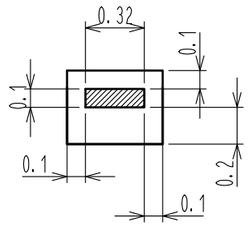
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## ⚠13. PLEASE REFER TO THE PRODUCT GUIDELINE ETAD-H1016 FOR DETAIL OF CONNECTOR HANDLING.

### THE POSITION BETWEEN THE CONNECTOR AND PAD



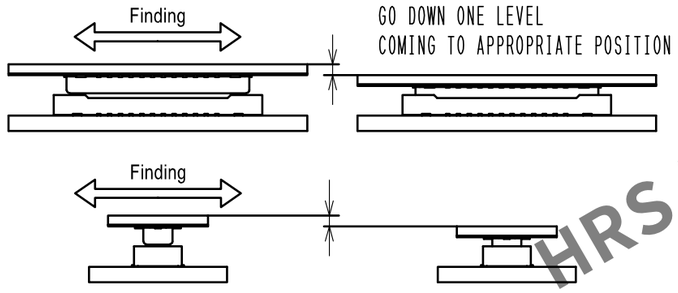




### MATING METHOD

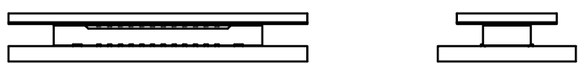
PLEASE MATE THE CONNECTOR BY HAND.

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.

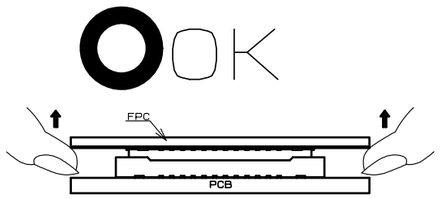


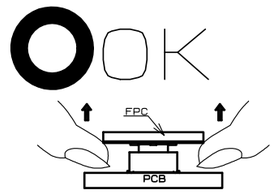
(3) MAKE SURE THE CONNECTORS ARE MATED CORRECTLY. IF ONE SIDE IS FLOATING OR THE CONNECTORS ARE MATED IN ONE DIRECTION, UN-MATE THEM ONCE, AND THEN MATE THEM AGAIN. FOLLOWING THE PROCEDURES ABOVE FROM THE BEGINNING.

### UN-MATING METHOD

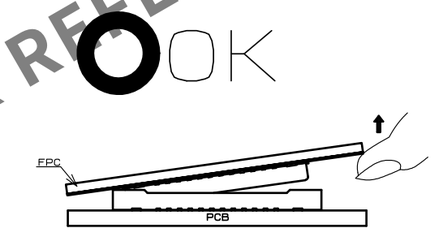
PLEASE UN-MATE THE CONNECTOR BY HAND

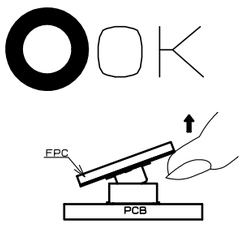
(1) UN-MATE THE CONNECTORS PARALLEL TO EACH OTHER. HOWEVER, IF THE CONNECTORS HAVE HIGH PIN COUNTS OR THINNER FPC AND STIFFENER, IT BECOMES MORE DIFFICULT TO DO SO.

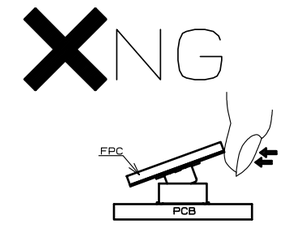


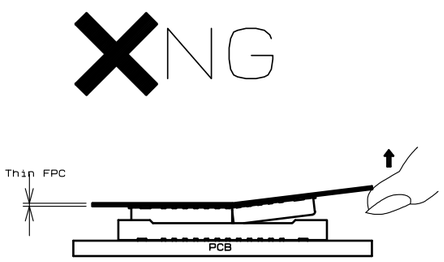

(2) IF THE CONNECTOR CANNOT BE UN-MATED PARALLEL IT CAN BE REMOVED DIAGONALLY FROM THE PITCH DIRECTION.
BE CAREFUL TO DO SO SINCE THIS ACTION APPLIES STRESS ON THE CONTACT.

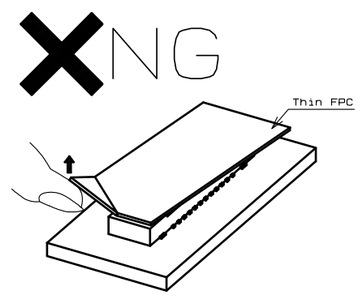



(3) IF THE FPC IS NOT RIGID, THE CONNECTOR CAN BE BROKEN. PLEASE CHECK THE ACTION OF THE FPC TO BE USED REPEATEDLY AT THE TIME OF TRIAL PRODUCTION. BE CAREFUL TO UN-MATE THEM FROM THE PITCH DIRECTION.
PULLING IT FROM THE CORNER CAN ALSO RISK TO PUTTING STRESS ON CONTACTS.




HRS DRAWING FOR REFERENCE

| | | |
|---|---|---|
| HRS | DRAWING NO. | EDC-383935-51-01 |
| | PART NO. | BM28B0.6-18DP/2-0.35V(51) |
| | CODE NO. | CL0673-5093-0-51 |