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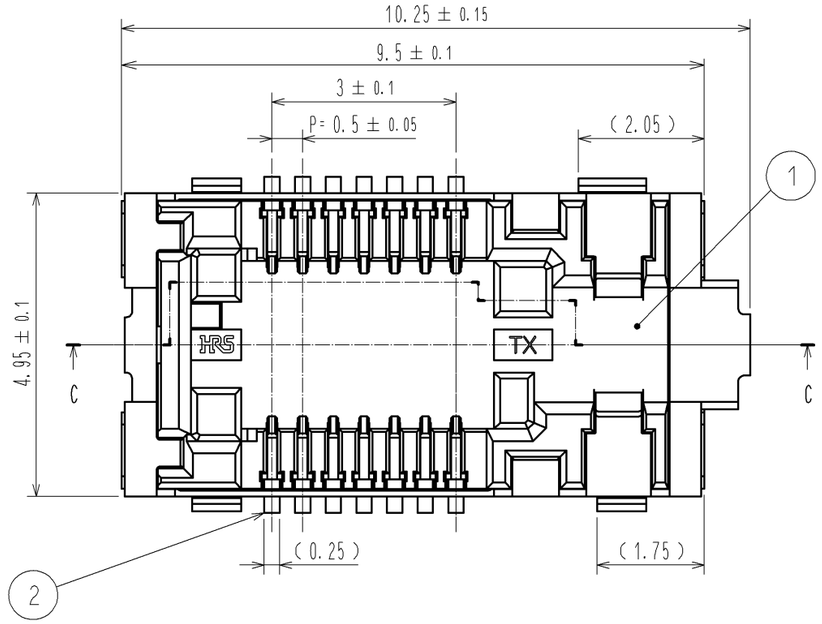
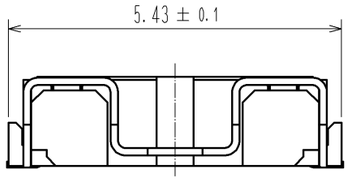
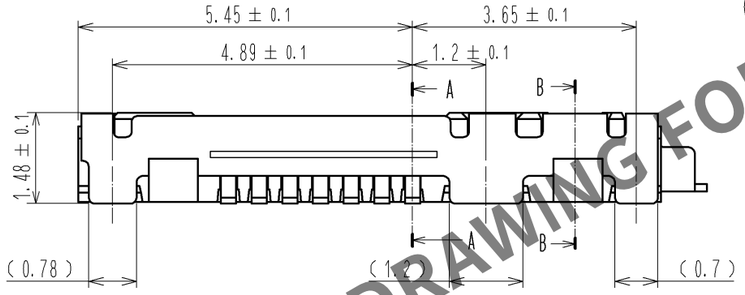
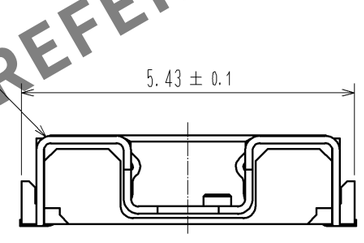


NOTE. 1 All lead co-planarity shall be 0.1mm maximum.
2 Contact plating
-Contact area :Gold 0.05um MIN
-SMT lead :Gold 0.05um MIN
-Under plating:Nickel 1um MIN
There shall be the nickel barrier between contact and SMT area
3 Shell plating
-All area :Gold 0.05um MIN
-Under plating:Nickel 1um MIN 2um MAX
4 The peeling strength of cover tape shall comply with IEC 60286-3 (JIS C 0806-3).
5 Embossed carrier tape has the sprocket hole on one side.
6 Recommended land pattern is shown. Please do not arrange the via without resist in the hatching part as shown in the figure.
7 The connector dimension when the plug engages is shown.
8 Please note that it becomes impossible to use standard extraction tool (BF4-T1) when other parts are in the crossing hatching part as shown in the figure.
9 Please layout the PCB pattern and fiber alignment, considering not to overload fiber. (Please see ETAD-K0398 about connector handling precautions.)
10 Pin assignment and functions are described in the specification of BF4M plug connector (ETAD-K0435)
11 Please see drawing EDC3-178303-10 for 10pcs quantity packing product BF4-TX-14DS-0.5V(10)

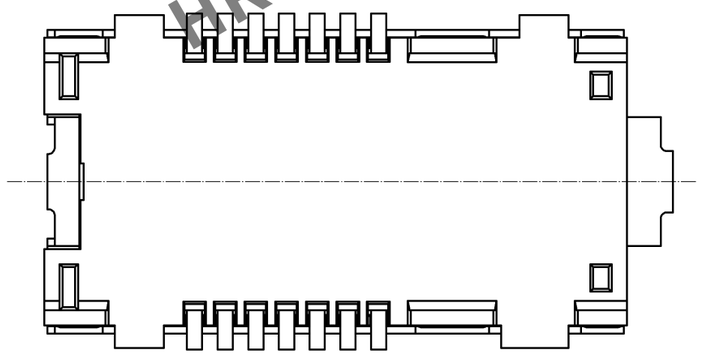




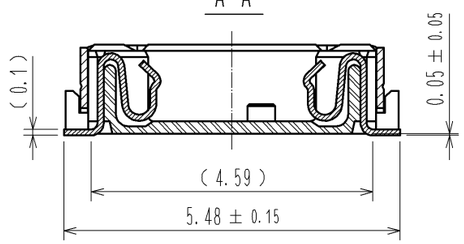


Part No. & Code No. list corresponding to quantity

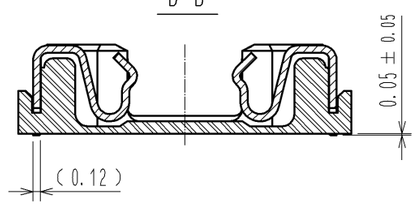
	Quantity	Part No.	Code No.
	500 pcs.	BF4-TX-14DS-0.5V	CL0831-0008-6-00
	1,000 pcs.	BF4-TX-14DS-0.5V(01)	CL0831-0008-6-01
	2,000 pcs.	BF4-TX-14DS-0.5V(02)	CL0831-0008-6-02
11	10 pcs.	BF4-TX-14DS-0.5V(10)	CL0831-0008-6-10
3	100 pcs.	BF4-TX-14DS-0.5V(11)	CL0831-0008-6-11



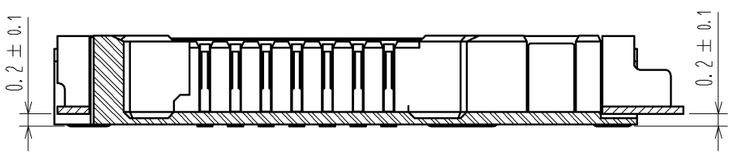
A-A



B-B



C-C



HRS DRAWING FOR REFERENCE

NO.	MATERIAL	FINISH , REMARKS	NO.	MATERIAL	FINISH , REMARKS
3	Phosphor Bronze	3	6	PS	Black (Plastic reel)
2	Phosphor Bronze	2	5	Polyester	Clear (Cover tape)
1	LCP	UL94 V-0	4	PS	Clear (Embossed carrier tape)

UNITS	SCALE		COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
mm	10 : 1	3	1	DIS-K-003044	KS. JOKURA	SJ. SHIMIZU	13. 08. 23

HRS HIROSE ELECTRIC CO., LTD.

APPROVED	MT. SHIBUTANI	12. 10. 29
CHECKED	SJ. SHIMIZU	12. 10. 29
DESIGNED	KS. JOKURA	12. 10. 26
DRAWN	KS. JOKURA	12. 10. 26

DRAWING NO. EDC3-178301-00
PART NO. BF4-TX-14DS-0.5V(**)
CODE NO.
3 1/2

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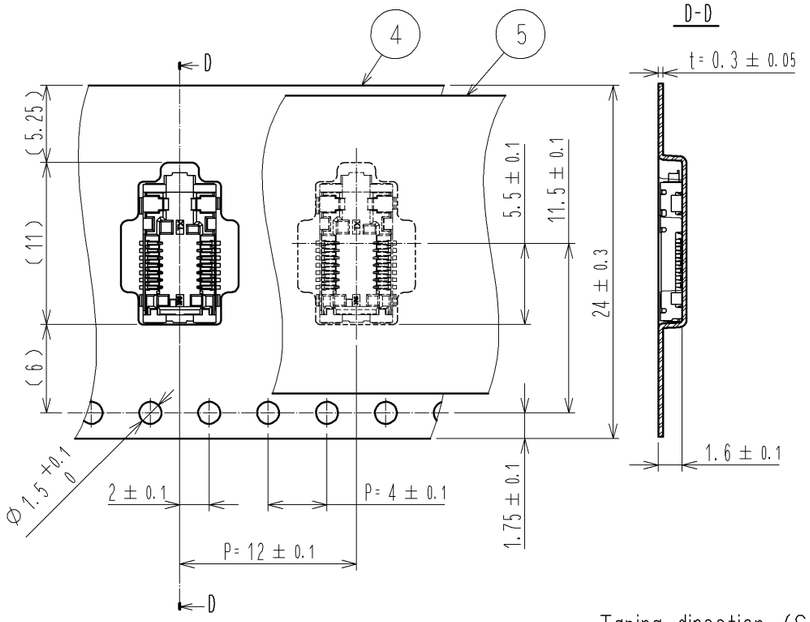
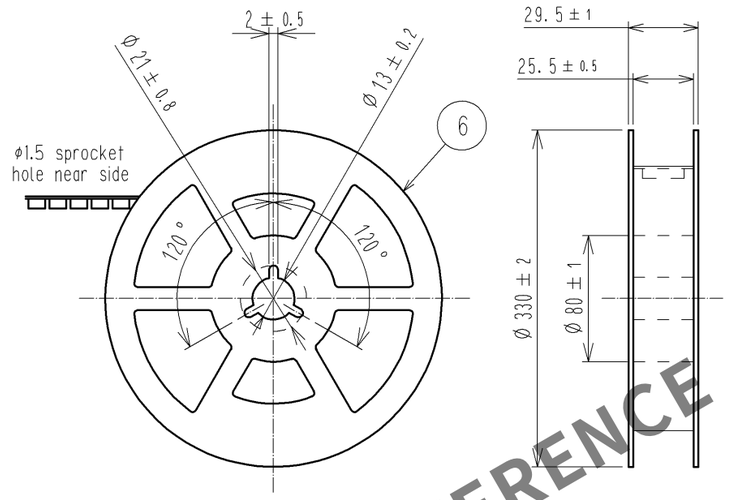
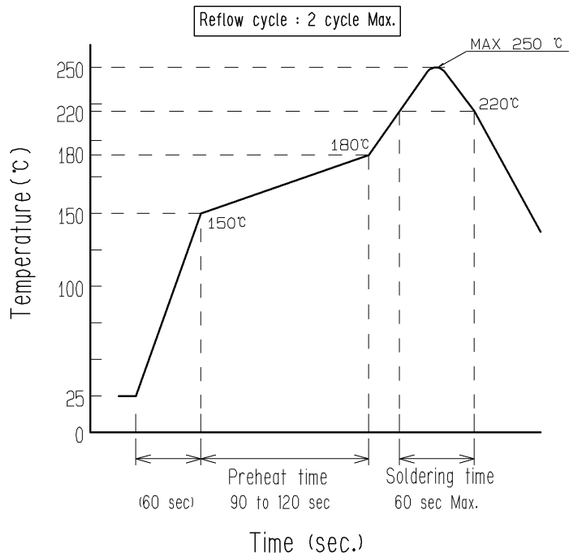
Dimensions of embossed carrier tape (Scale : FREE)



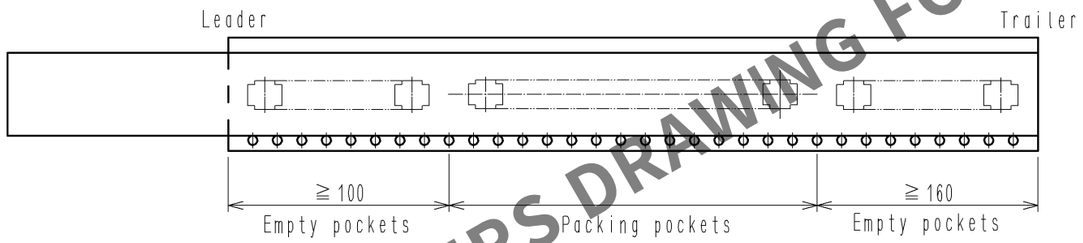
Packing reel (Scale : FREE)



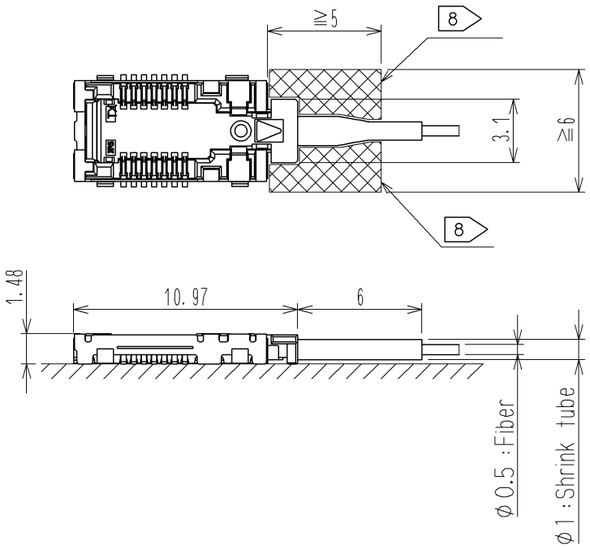
Recommended reflow temperature profile using Lead-Free solder paste.



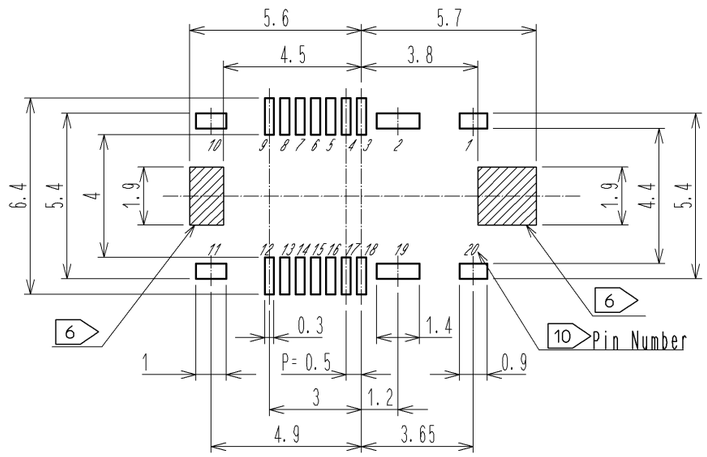
Taping direction (Scale : FREE)



7 Dimensions of engaged connector (Scale : FREE)

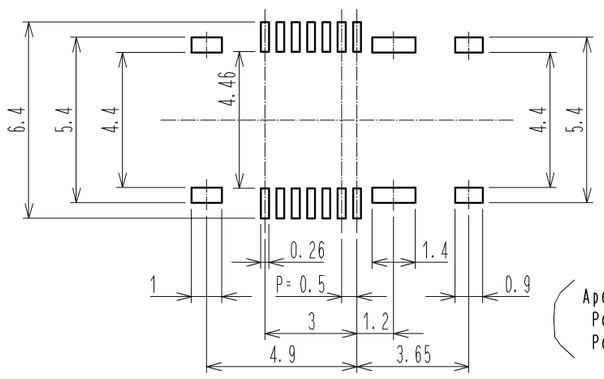


6 Recommended PCB land pattern



Recommended metal mask dimensions

(Mask thickness : 120 μm)



Aperture ratio
Pads mounted contacts : 70%
Pads mounted shell : 100%

DRAWING NO.	EDC3-178301-00
PART NO.	BF4-TX-14DS-0.5V(**)
CODE NO.	3 2/2

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