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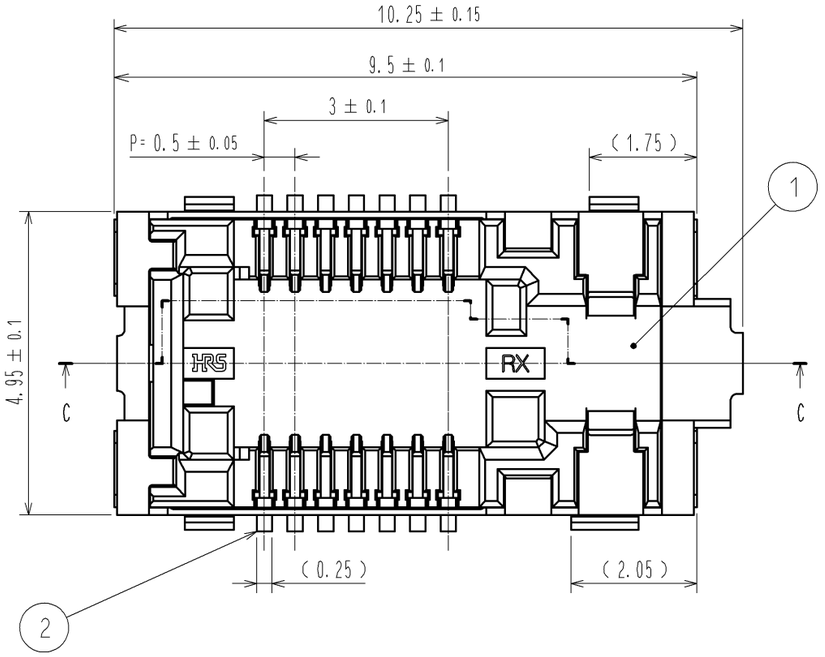
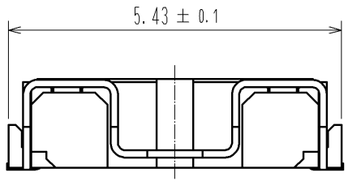
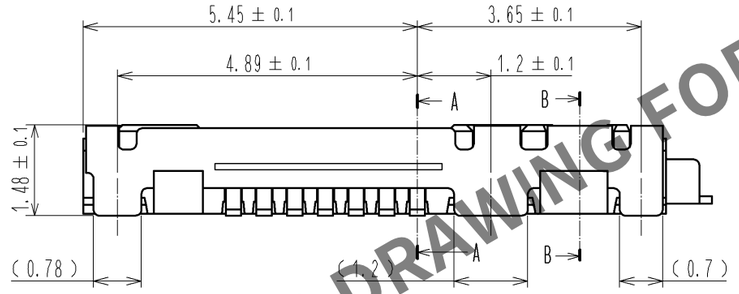
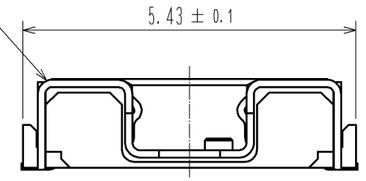
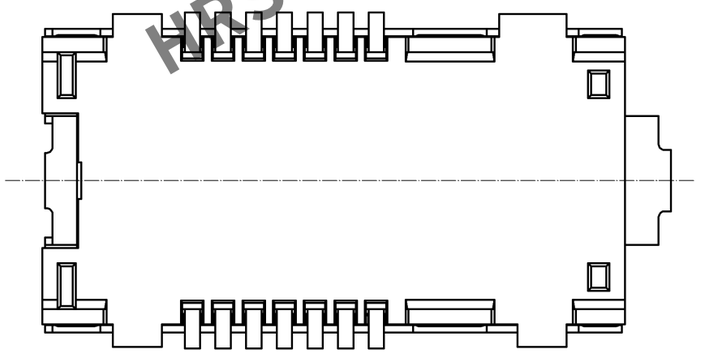


NOTE 1 All lead co-planarity shall be 0.1mm maximum.
2 Contact plating
-Contact area :Gold 0.05um MIN
-SMT lead :Gold 0.05um MIN
-Under plating:Nickel 1um MIN
There shall be the nickel barrier between contact and SMT area.
3 Shell plating
-All area :Gold 0.05um MIN
-Under plating:Nickel 1um MIN 2um MAX
4 The peeling strength of cover tape shall comply with IEC 60286-3 (JIS C0806-3).
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-K0485)
11 Please see drawing EDC3-178304-10 for 10pcs packing product BF4-RX-14DS-0.5V(10).

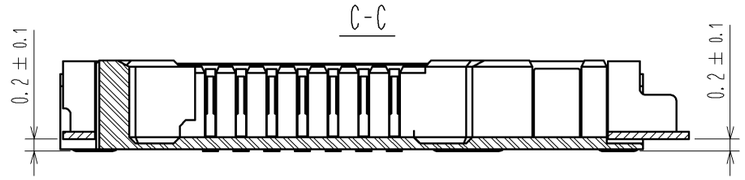




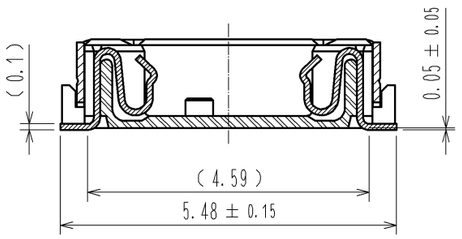




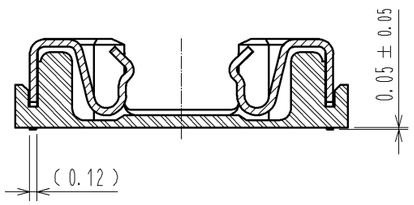
C-C



A-A



B-B



Part No. & Code No. corresponding to the quantity

Quantity	Part No.	Code No.
500 pcs.	BF4-RX-14DS-0.5V	CL0831-0009-9-00
1,000 pcs.	BF4-RX-14DS-0.5V(01)	CL0831-0009-9-01
2,000 pcs.	BF4-RX-14DS-0.5V(02)	CL0831-0009-9-02
11 10 pcs.	BF4-RX-14DS-0.5V(10)	CL0831-0009-9-10
3 100 pcs.	BF4-RX-14DS-0.5V(11)	CL0831-0009-9-11

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

HIROSE ELECTRIC CO., LTD.

APPROVED	MT. SHIBUTANI	12.11.15	DRAWING NO. EDC3-178302-00
CHECKED	SJ. SHIMIZU	12.11.15	PART NO. BF4-RX-14DS-0.5V(**)
DESIGNED	KS. JOKURA	12.11.15	CODE NO. 3 1/2
DRAWN	KS. JOKURA	12.11.15	

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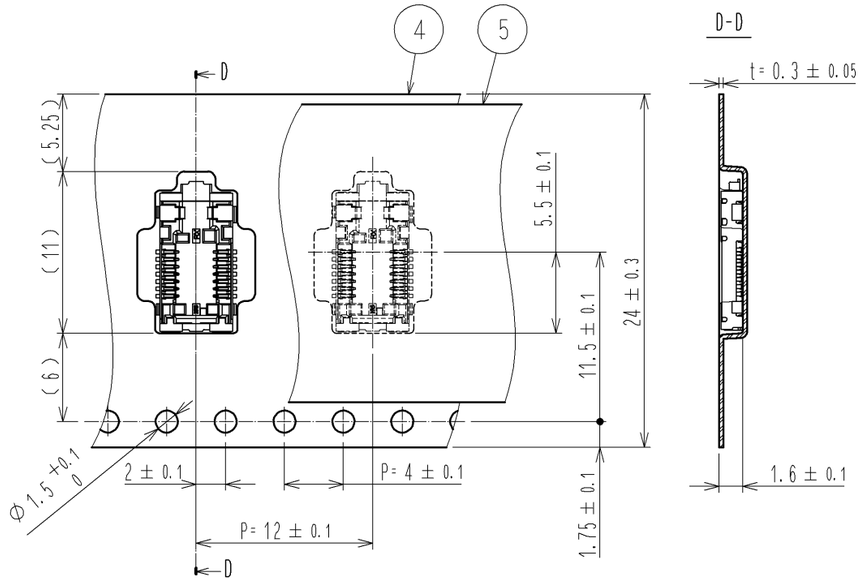
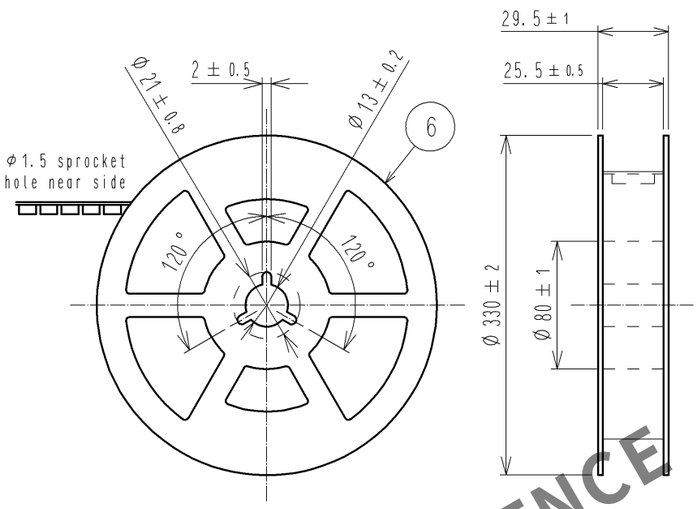
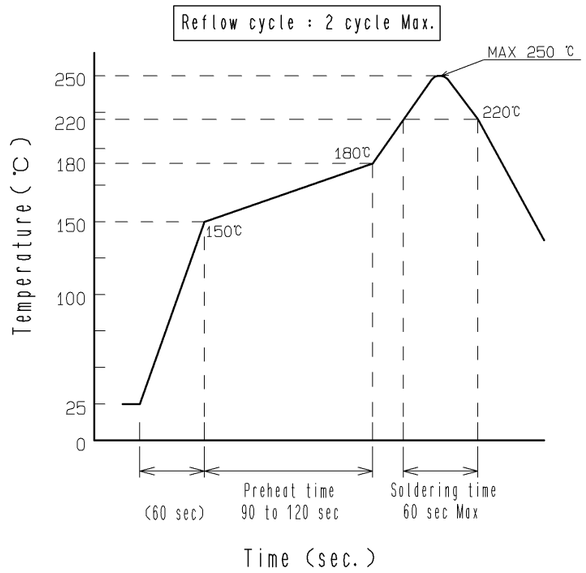
Dimensions of embossed carrier tape (Scale : FREE)



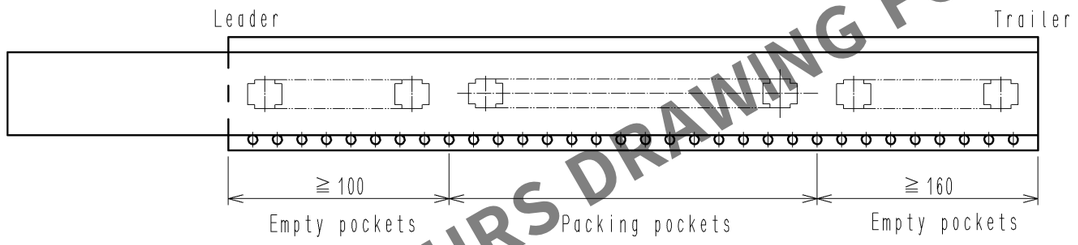
Packing reel (Scale : FREE)



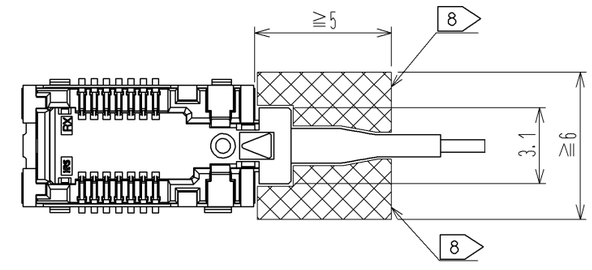
Recommended reflow temperature profile using Lead-Free solder paste.



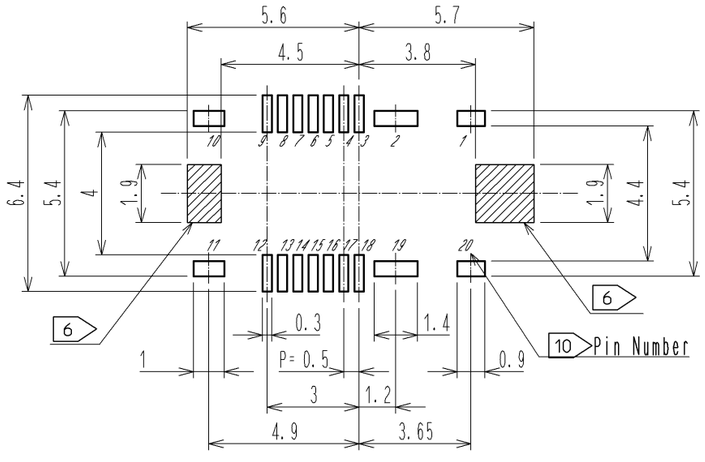
Taping direction (Scale : FREE)



7 Dimensions of engaged connector (Scale:FREE)

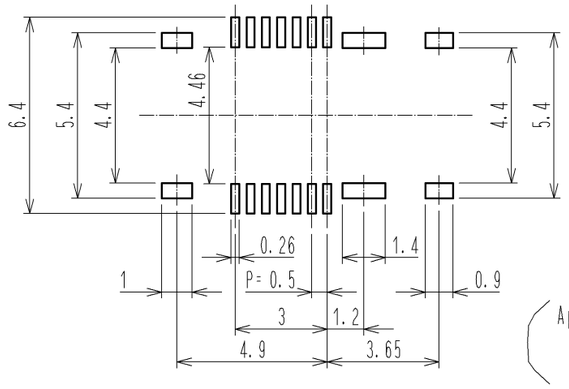


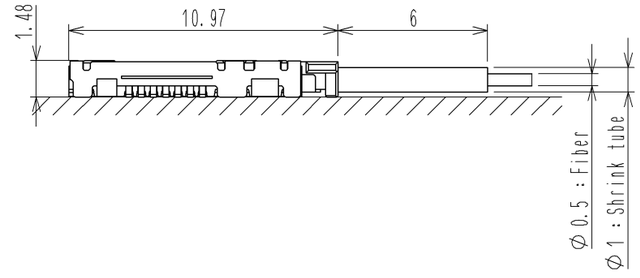
6 Recommended PCB land pattern



Recommended metal mask dimensions

(Mask thickness : 120μm)





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

DRAWING NO.	EDC3-178302-00
PART NO.	BF4-RX-14DS-0.5V(**)
CODE NO.	3 2/2

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