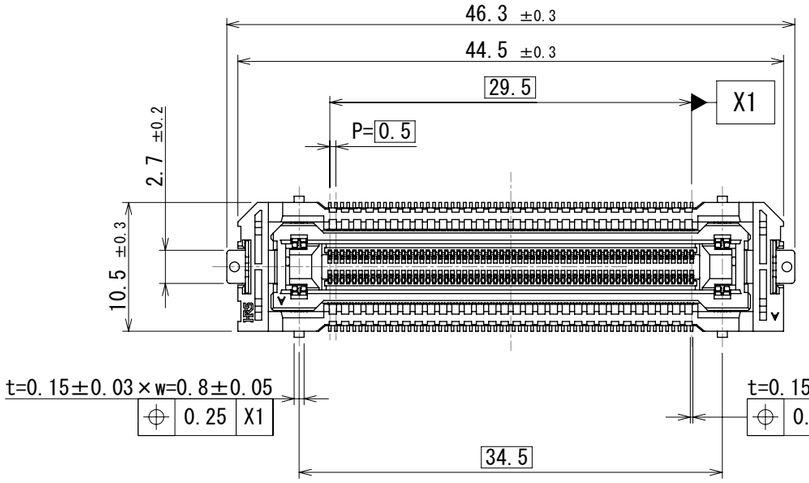
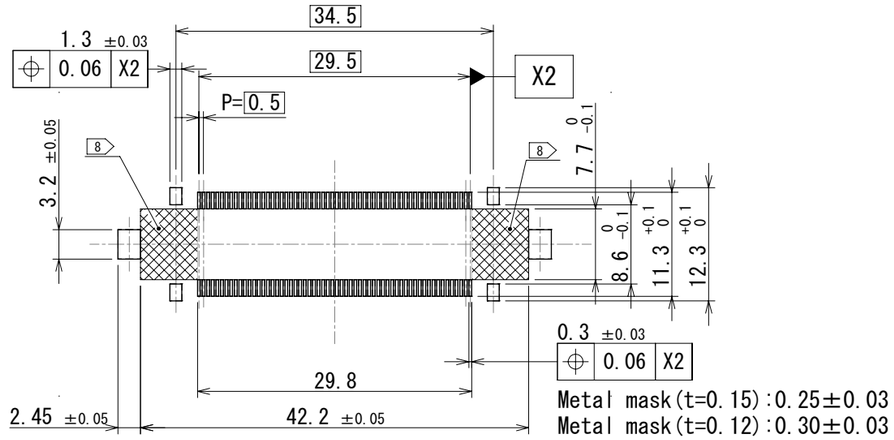
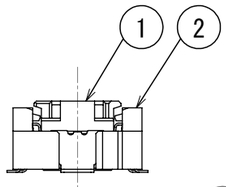


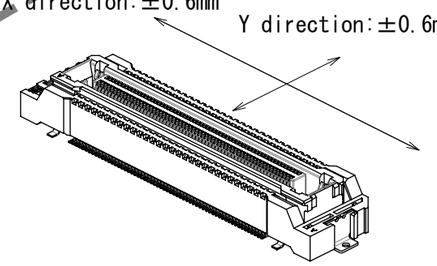
Recommended land pattern dimension of PCB



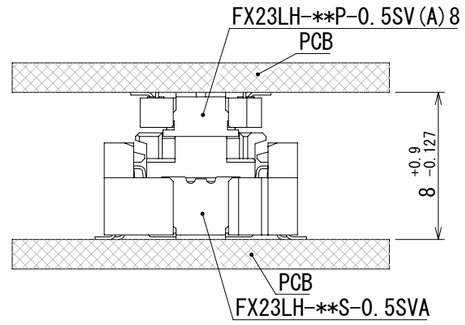
Metal mask(t=0.15):0.25±0.03
Metal mask(t=0.12):0.30±0.03

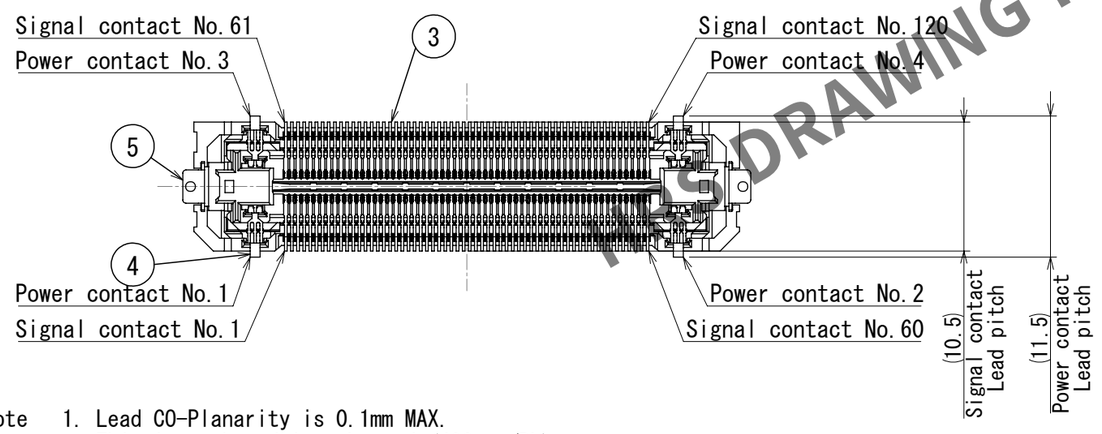


3 Floating range(No scale)



7 PCB distance(No scale)





Note
1. Lead CO-Planarity is 0.1mm MAX.
2 This is packaged in embossed.(400pcs/RL)
3 Floating range of this connector is ±0.6mm MAX.
The maximum cycle time of the floating operation is in accordance with the mating cycle of the connector.
4 It shows the vacuum pickup area.Remove cap before mating connectors.
5. Blemish and hit mark can be occured through out the manufacturing process which doesn't affect quality level.
Blisters that do not affect functionality are not defects.
6. The dimensions in parentheses are for references.
7 Please use the connectors within the specified PCB distance.
8 ▨ area of inner SMT land requires pattern prohibition or resist treatment to prevent the pattern.
9 Embossed carrier tape, cover tape, and plastic reels are made of anti-static material.
△2 10 Please refer to the table for the configuration of the lot marking.

NO.	MATERIAL	FINISH , REMARKS
8	Polyester	Embossed cover tape
7	Polystyrene	Embossed carrier tape
6	Polyamide	Black,UL94V-0
5	Brass	Lead area :Tin-plating 3μm MIN Under :Nickel plating 1μm MIN
4	Copper alloy	Contact area:Gold plating 0.1μm MIN Lead area :Gold plating 0.03μm MIN Under :Nickel plating 1.3μm MIN
3	Copper alloy	Contact area:Gold plating 0.1μm MIN Lead area :Gold plating 0.03μm MIN Under :Nickel plating 1.3μm MIN
2	Polyamide	Black,UL94V-0
1	Polyamide	Black,UL94V-0

UNITS	SCALE	△2	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
mm	2:1	△2	3	DIS-F-00021990	YS.NARA	TO.HORII	2024.12.19

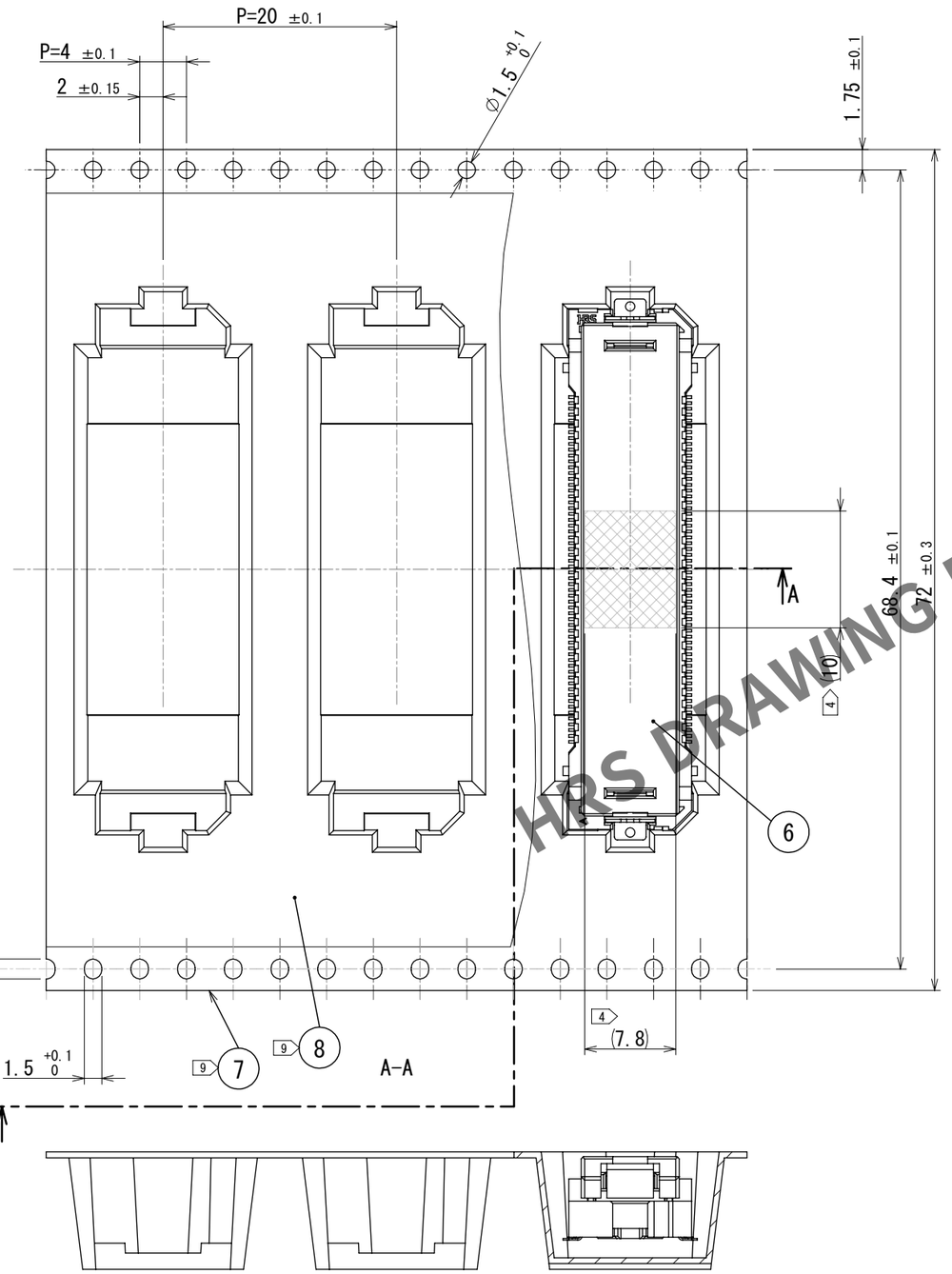
HIROSE ELECTRIC CO.,LTD.

APPROVED	MK.NAGATA	2024.11.14
CHECKED	TO.HORII	2024.11.14
DESIGNED	YS.NARA	2024.11.13
DRAWN	YS.NARA	2024.11.13

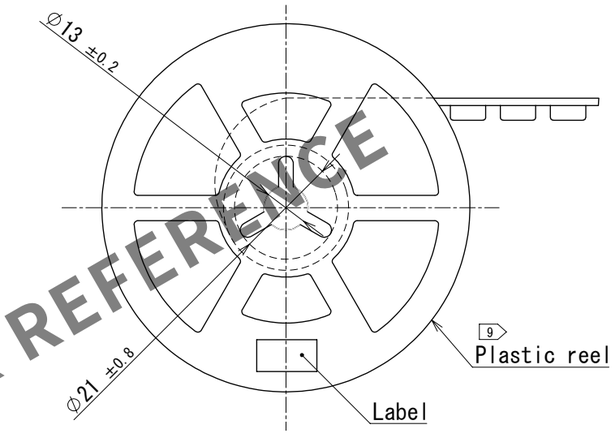
DRAWING NO.	EDC-402343-60-00
PART NO.	FX23LH-120S-0.5SVA(60)
CODE NO.	CL0573-2330-0-60 △2 1/3

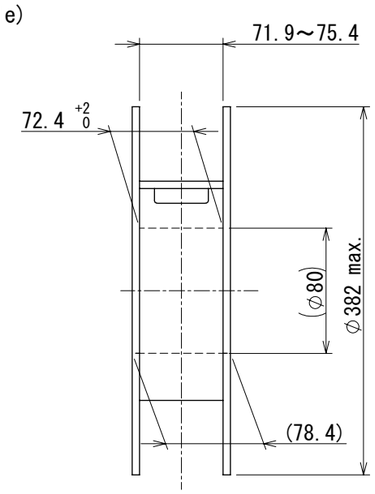
2 Drawing for packing

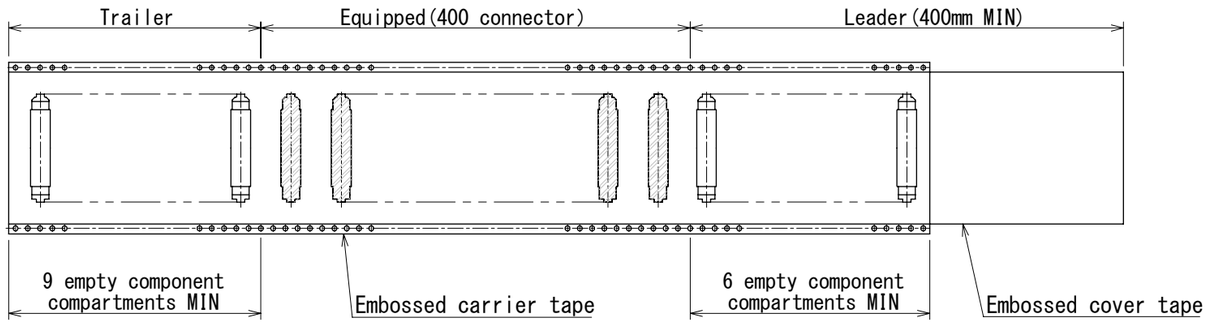
Direction of pulling out



Reel dimension(No scale)







HRS	DRAWING NO.	EDC-402343-60-00
	PART NO.	FX23LH-120S-0.5SVA(60)
	CODE NO.	CL0573-2330-0-60 △2 2/3

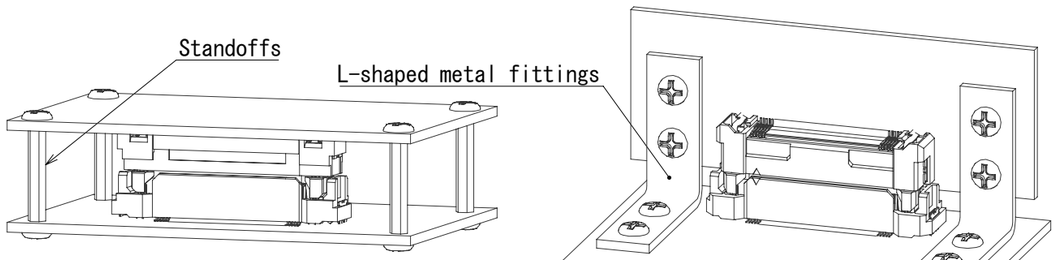
FORM HC0011-28

3D Model File Name:CL0573-2330-0-60

In order to prevent any potential failures with the connector, please read the following below.

【Board stabilization】

This connector can absorb misalignment of boards but cannot absorb vibration itself.
When boards are supported by a connector only, the connector will be loaded excessively, which may result in a damage or contact failure.
Take measures to secure boards with an object other than connector as shown in the following figure.



【Parallel connection】　【Vertical connection】

Note that when A spacer is installed far from connectors, incomplete mating of the connectors may occur due to sagging of the board, etc.
Mate connectors surely and then fix a spacer.

【In regards to design guideline】

To provide more information in regards to the usage of this product, we have prepared a detailed manual (ETAD-F0887-00).
Please contact our sales representative if needed.

△2
⑩〈Lot Marking〉
例) ４ＬＫ１
④Production Line No.
③DATE
②MONTH
①YEAR(AD)

①		②		③					
年 YEAR(AD)	表示記号 CODE	月 MONTH	表示記号 CODE	日 DATE	表示記号 CODE	日 DATE	表示記号 CODE	日 DATE	表示記号 CODE
2XX0	0	1	A	1	1	１１	B	２１	M
2XX1	1	2	B	2	2	１２	C	２２	N
2XX2	2	3	C	3	3	１３	D	２３	P
2XX3	3	4	D	4	4	１４	E	２４	Q
2XX4	4	5	E	5	5	１５	F	２５	R
2XX5	5	6	F	6	6	１６	G	２６	S
2XX6	6	7	G	7	7	１７	H	２７	T
2XX7	7	8	H	8	8	１８	J	２８	U
2XX8	8	9	I	9	9	１９	K	２９	V
2XX9	9	１０	J	１０	A	２０	L	３０	W
		１１	K					３１	X
		１２	L						

HRS	DRAWING NO.	EDC-402343-60-00
	PART NO.	FX23LH-120S-0.5SVA(60)
	CODE NO.	CL0573-2330-0-60 △2 3/3

3D Model File Name:CL0573-2330-0-60