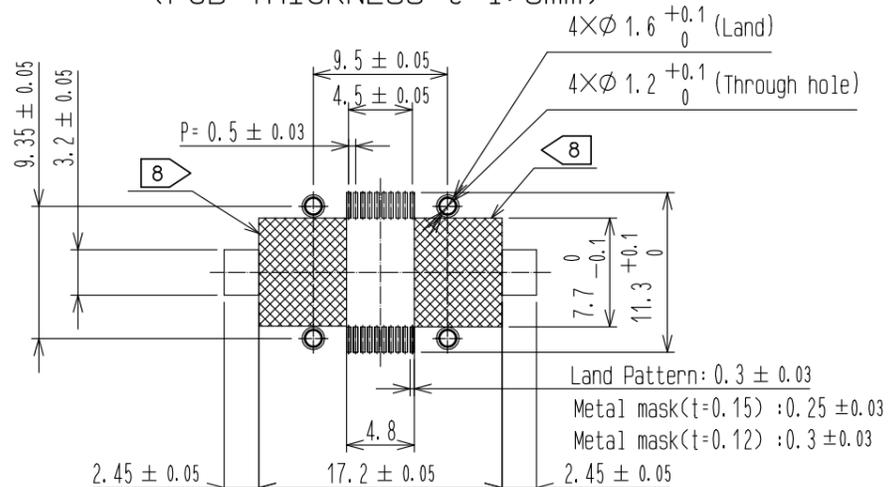
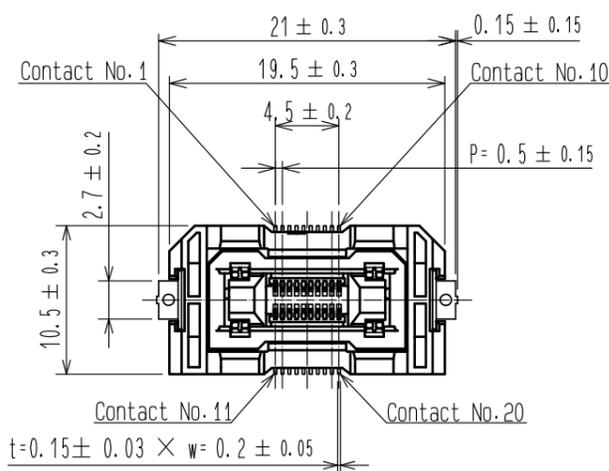
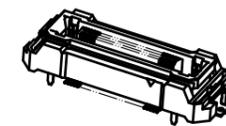


Jan.1.2026 Copyright 2026 HIROSE ELECTRIC CO., LTD. All Rights Reserved.  
 In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

RECOMMENDED LAND PATTERN DIMENSION OF PCB  
 (PCB THICKNESS:  $t=1.6\text{mm}$ )

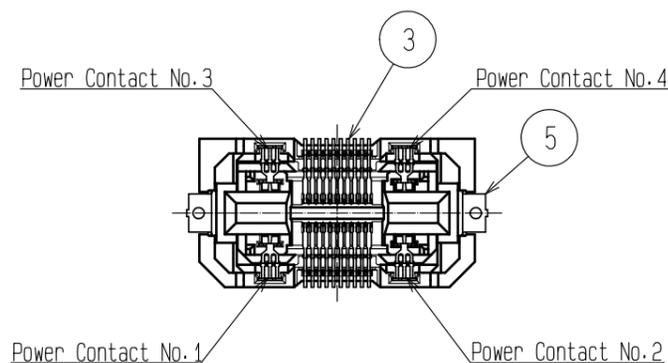
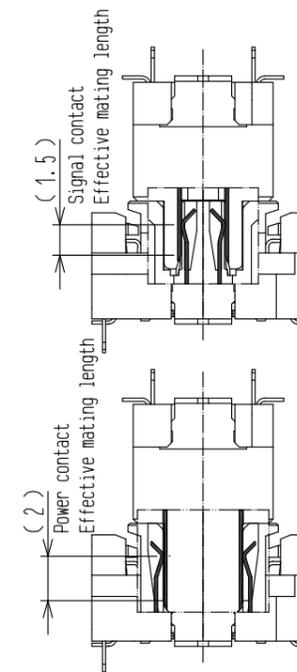
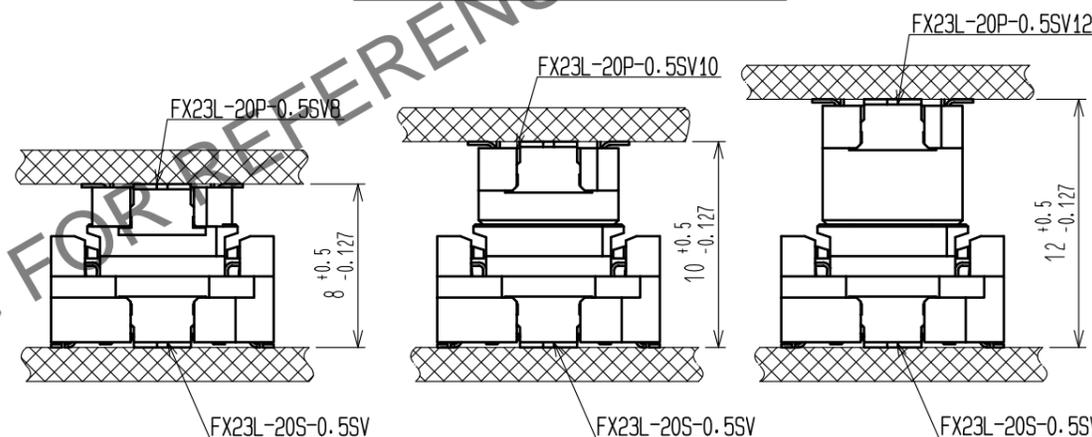
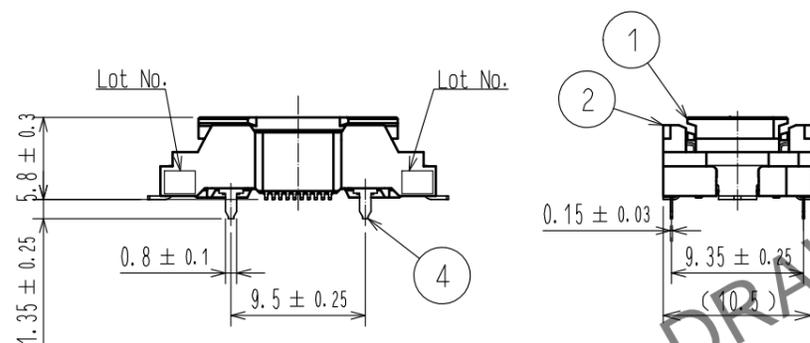
3 FLOATING RANGE

X DIRECTION:  $\pm 0.6\text{mm}$   
 Y DIRECTION:  $\pm 0.6\text{mm}$



1 CROSS SECTION OF MATING  
 (No scale)

7 PCB DISTANCE (No scale)



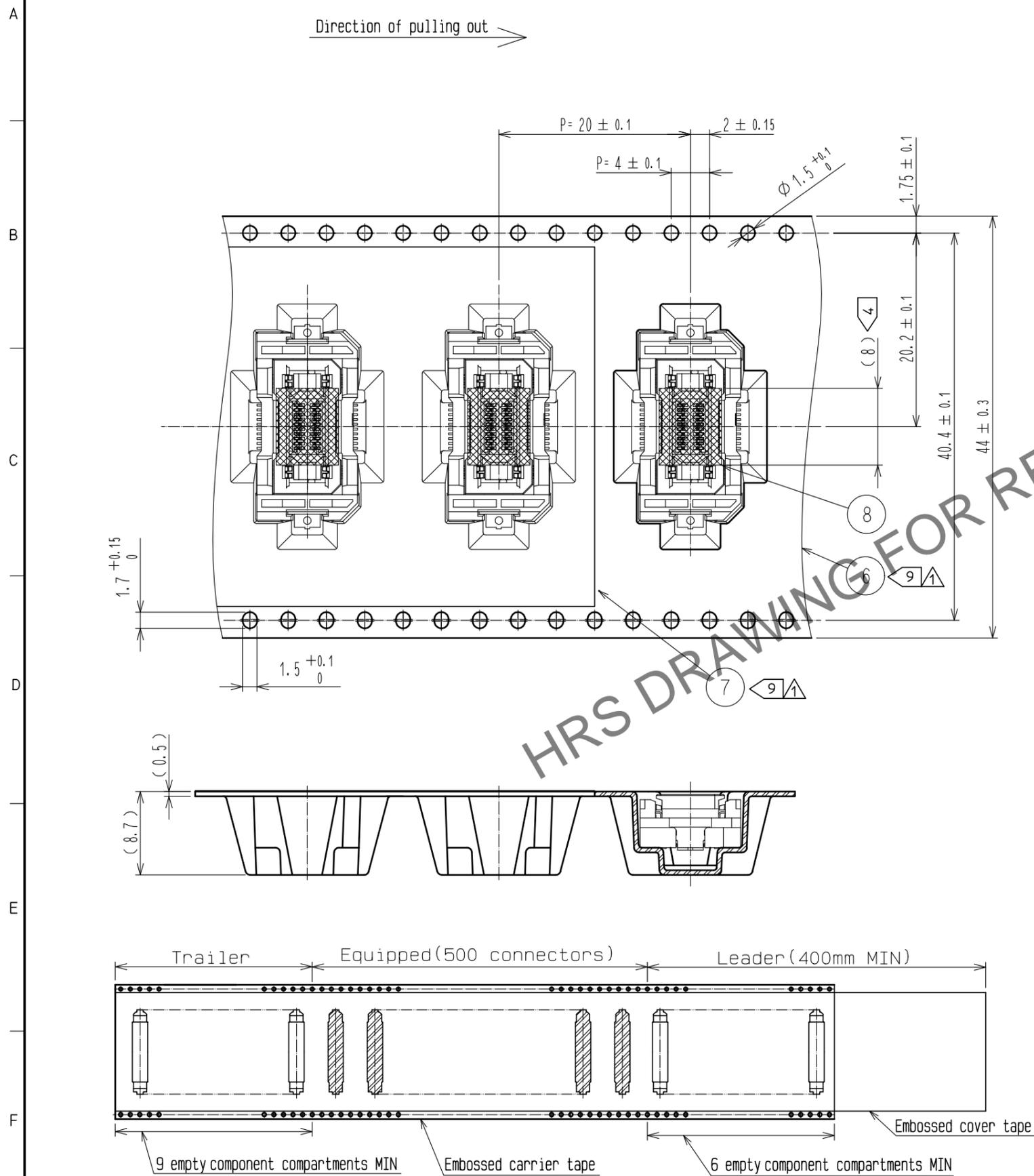
- Note
- Lead CO-Planarity is 0.1mm MAX.
  - This is packaged in embossed carrier tape. (500pcs/RL)
  - Floating range of this connector is  $\pm 0.6\text{mm}$  MAX.  
The maximum cycle time of the floating operation is in accordance with the mating cycle of the connector.
  - It shows the vacuum pickup area. Remove the mylar tape before mating connectors.
  - Blemish and hit mark can be occurred through out the manufacturing process which doesn't affect quality level.
  - The dimensions in parentheses are for references.
  - Please use the connectors within the specified PCB distance.
  - area of inner SMT land requires pattern prohibition or resist treatment to prevent the pattern.
  - Embossed carrier tape, cover tape and plastiv reel are composed of antistatic material.

3	COPPER ALLOY	CONTACT AREA: GOLD 0.1 $\mu\text{m}$ LEAD AREA: GOLD 0.03 $\mu\text{m}$ UNDER PLATING: NICKEL 1.3 $\mu\text{m}$	8	POLYIMIDE	(TAPE FOR VACUUM PICKUP)
2	POLYAMIDE	BLACK UL94V-0	7	POLYESTER	(EMBOSSD COVER TAPE)
1	POLYAMIDE	BLACK UL94V-0	6	POLYSTYRENE	(EMBOSSD CARRIER TAPE)
			5	BRASS	TIN-PLATING 1 $\mu\text{m}$
			4	COPPER ALLOY	CONTACT AREA: GOLD 0.1 $\mu\text{m}$ LEAD AREA: TIN-PLATING 1 $\mu\text{m}$ UNDER PLATING: NICKEL 1.3 $\mu\text{m}$
NO.	MATERIAL	FINISH . REMARKS	NO.	MATERIAL	FINISH . REMARKS

UNITS mm		SCALE 2 : 1	COUNT 5	DESCRIPTION OF REVISIONS DIS-F-00004372	DESIGNED TS.00NO	CHECKED HT. YAMAGUCHI	DATE 20190307
<b>HRS</b> HIROSE ELECTRIC CO., LTD.		APPROVED : NH. NAKATA	20170410	DRAWING NO.	EDC-358064-20-00		
		CHECKED : HT. YAMAGUCHI	20170410	PART NO.	FX23L-20S-0.5SV(20)		
		DESIGNED : TS.00NO	20170410	CODE NO.	CL573-2301-9-20		
		DRAWN : TS.00NO	20170410		1/2		

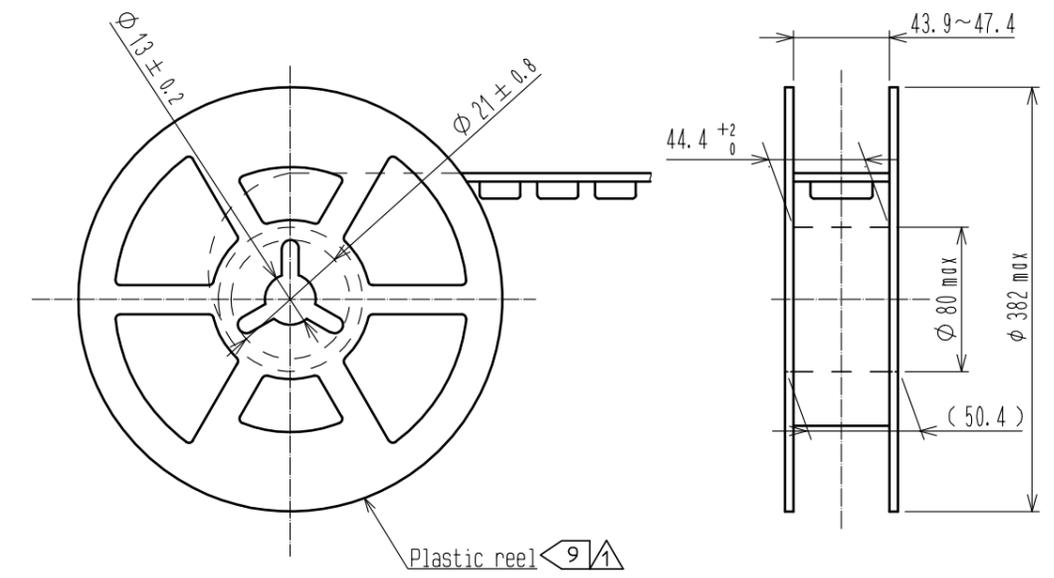
Jan.1.2026 Copyright 2026 HIROSE ELECTRIC CO., LTD. All Rights Reserved.  
 In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

2 DRAWING FOR PACKING(2:1)



HRS DRAWING FOR REFERENCE

REEL DIMENSION(No scale)



<b>HRS</b>	DRAWING NO.	EDC-358064-20-00	2/2
	PART NO.	FX23L-20S-0.5SV(20)	
	CODE NO.	CL573-2301-9-20	