

Table.1 Stacking height and connector combinations 1

Board distance (Stacking height)	Header connector of Board α	Interposer	Header connector of Board β	Recommended spacer height(L) 3
8mm	FX10A-120P-SV(**)	FX10-120IP-28D-8H(O3)	FX10A-120P-SV(**)	8±0.127mm
9mm	FX10A-120P-SV1(**)		FX10A-120P-SV(**)	9±0.127mm
10mm	FX10A-120P-SV1(**)		FX10A-120P-SV1(**)	10±0.127mm

Table.2 Pin configuration of Interposer 4

Row A Pin No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60		
Pin configuration	G1	S	G1	S	G1	S	G1	S	G1	S	G1	S	G1	S	G1	S	G1	S	G1	S	G1	S	G1	S	G1	S	G1	S	G1	SE	SE	G2	S	G2	S	G2	S	G2	S	G2	S	G2	S	G2	S	G2	S	G2	S	G2	S	G2	S	G2	S	G2	S	G2	S	G2	S	G2
Row B Pin No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60		
Pin configuration	G1	S	G1	S	G1	S	G1	S	G1	S	G1	S	G1	S	G1	S	G1	S	G1	S	G1	S	G1	S	G1	S	G1	S	G1	SE	SE	G2	S	G2	S	G2	S	G2	S	G2	S	G2	S	G2	S	G2	S	G2	S	G2	S	G2	S	G2	S	G2	S	G2	S	G2		

S: Signal for Differential SE: Signal for Single-ended G1: Common ground 1 G2: Common ground 2

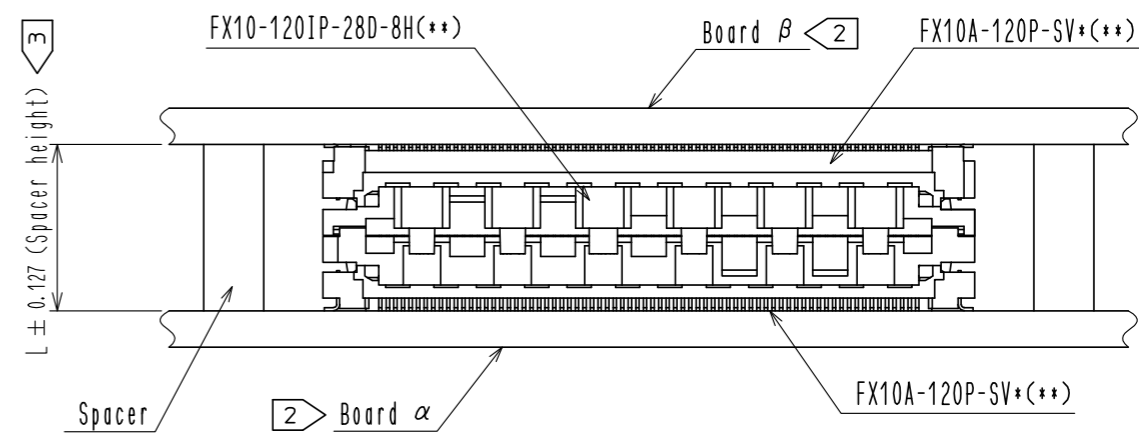


Fig.1 Recommended spacer height (Free)

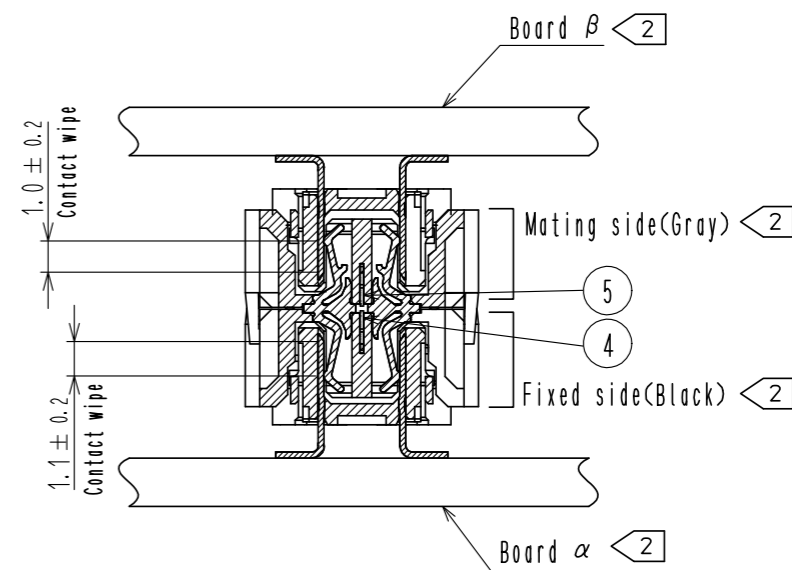


Fig.2 Mating cross section (Free)

- Note. 1 The header connectors are decided by board distance (stacking height). Connector combination is shown in Table 1.
2 Fixed side (Black side) of interposer should be mated with header mounted on board α. Mating side (Gray side) should be mated with header mounted on board β.
3 Spacers are required to support the PWB's and protect the SMT solder joints. Recommended spacer height is shown in Table 1.
4 Pin configuration is shown in Table 2. This product consists of 28 Differential pairs, 4 Single-ended lines and 60 ground lines.
5 Lot No. shall be marked on the indicated position.
6 50pcs of this product are packed in soft tray. See Fig.3 for details.

NO.	MATERIAL	FINISH	REMARKS	NO.	MATERIAL	FINISH	REMARKS
3	Copper Alloy		Ni1.5μm+Au0.76μm	6	PS		(Tray)
2	LCP(Black)		UL94V-0	5	Copper Alloy		Ni1μm
1	LCP(Gray)		UL94V-0	4	Copper Alloy		Ni1μm

UNITS	SCALE	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
mm	2 : 1	△				
HRS HIROSE ELECTRIC CO., LTD.		APPROVED	TM. MATSUO 17.07.21	DRAWING NO. EDC-361673-03-00		
		CHECKED	MK. EZAKI 17.07.21	PART NO. FX10-120IP-28D-8H(O3)		
		DESIGNED	AS. MATSUZAWA 17.07.21	CODE NO. CL608-0013-2-03		
		DRAWN	XINGYU CHENG 17.07.21	△ 1/2		

Aug.1.2020 Copyright 2020 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.

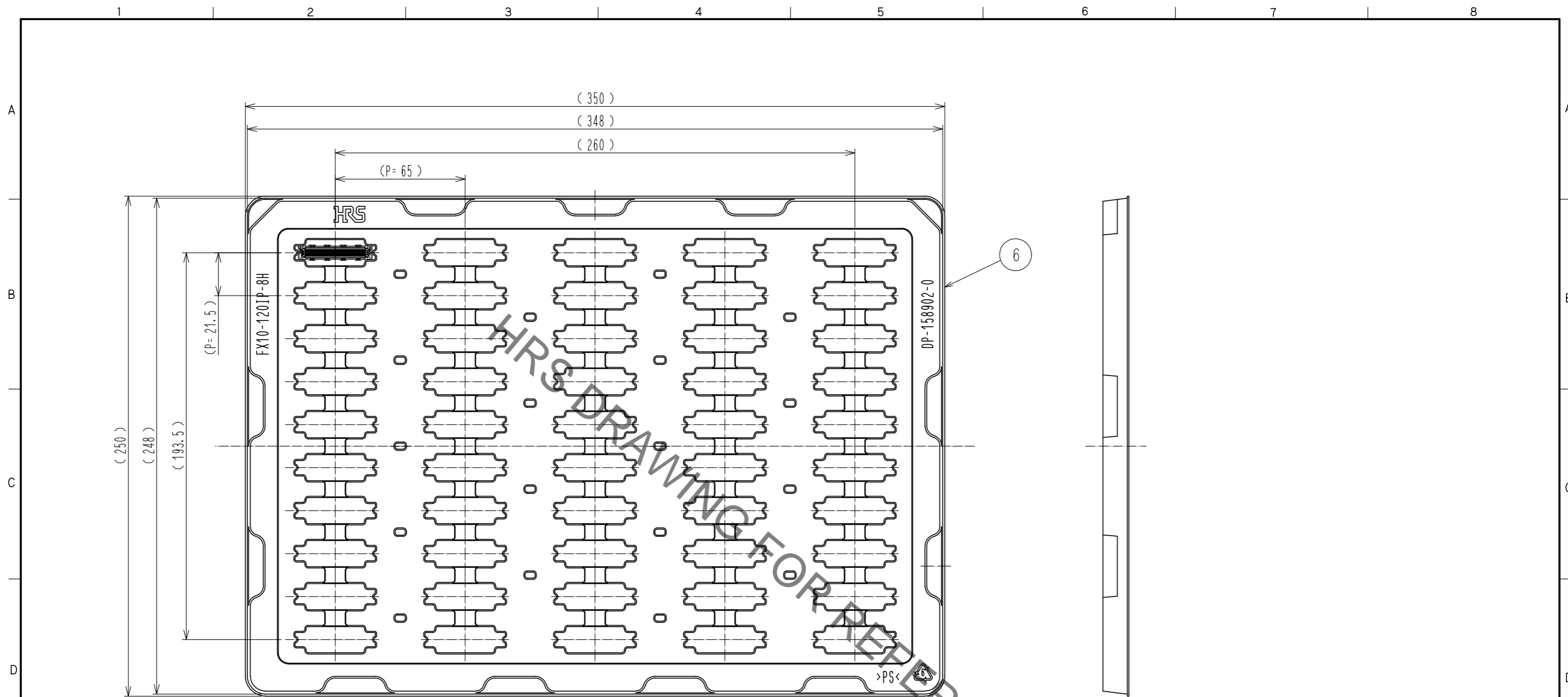


Fig.3 Drawing for packing (1:2) 6

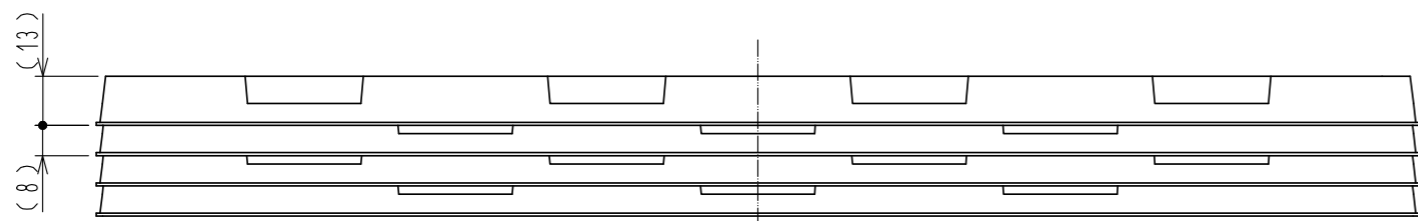


Fig.4 Stacked tray drawing (1:2)

HRS	DRAWING NO.	EDC-361673-03-00	6 2 / 2
	PART NO.	FX10-120IP-28D-8H(C03)	
	CODE NO.	CL608-0013-2-03	