

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
11mm	FX10A-120P-SV1(++)	FX10-120IP-36Q-8PH(C03)	FX10A-120P-SV2(++)	11±0.127mm
12mm	FX10A-120P-SV1(++)		FX10A-120P-SV3(++)	12±0.127mm
13mm	FX10A-120P-SV1(++)		FX10A-120P-SV4(++)	13±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	S	G1	S	S	G1	S	S	G1	S	S	G1	S	S	G1	S	S	G1	S	S	G1	S	S	G1	S	S	G1	SE	SE	SE	SE	G2	S	S	G2	S	S	G2	S	S	G2	S	S	G2	S	S	G2	S	S	G2	S	S	G2	S	S	G2	S	S	G2	S	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	S	G1	S	S	G1	S	S	G1	S	S	G1	S	S	G1	S	S	G1	S	S	G1	S	S	G1	S	S	G1	SE	SE	SE	SE	G2	S	S	G2	S	S	G2	S	S	G2	S	S	G2	S	S	G2	S	S	G2	S	S	G2	S	S	G2						

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

- 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 36 Differential pairs, 8 Single-ended lines and 40 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.

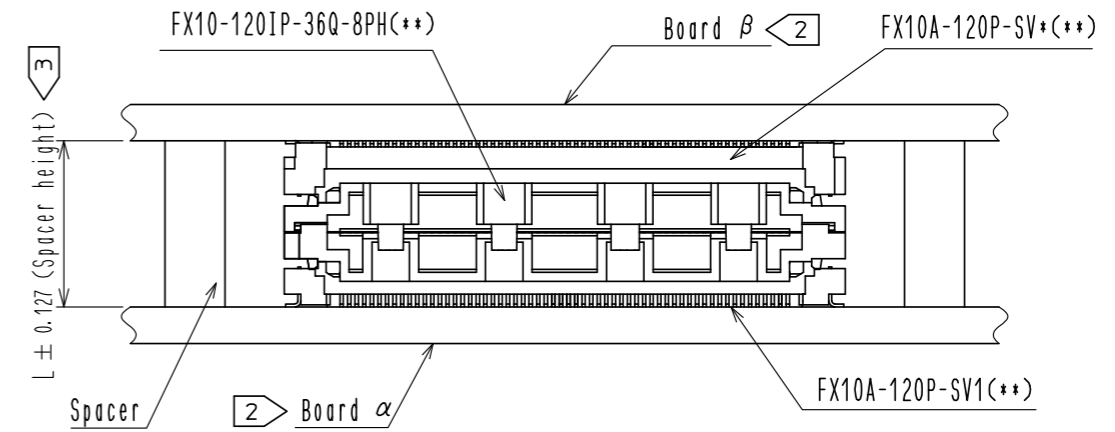


Fig.1 Recommended spacer height (Free)

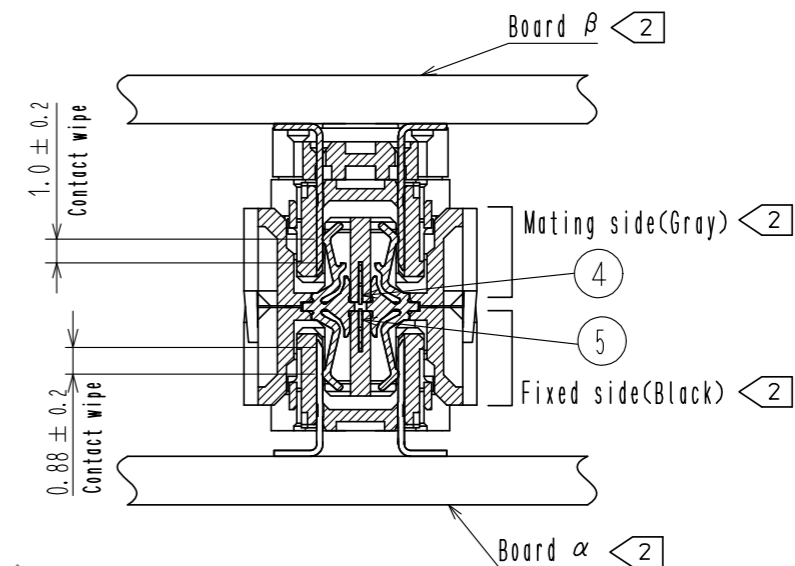


Fig.2 Mating cross section (Free)

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			
NO.	MATERIAL	FINISH . REMARKS	NO.	MATERIAL	FINISH . REMARKS			
UNITS mm	⊙	SCALE 2:1	COUNT	DESCRIPTION OF REVISIONS		DESIGNED	CHECKED	DATE
HRS HIROSE ELECTRIC CO., LTD.	APPROVED	: TM. MATSUO	17.07.19	DRAWING NO.	EDC-361676-03-00			
	CHECKED	: MK. EZAKI	17.07.14	PART NO.	FX10-120IP-36Q-8PH(C03)			
	DESIGNED	: AS. MATSUZAWA	17.07.14	CODE NO.	CL608-0016-0-03			
	DRAWN	: XINGYU CHENG	17.07.14					

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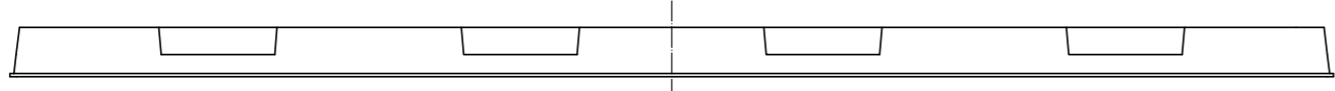
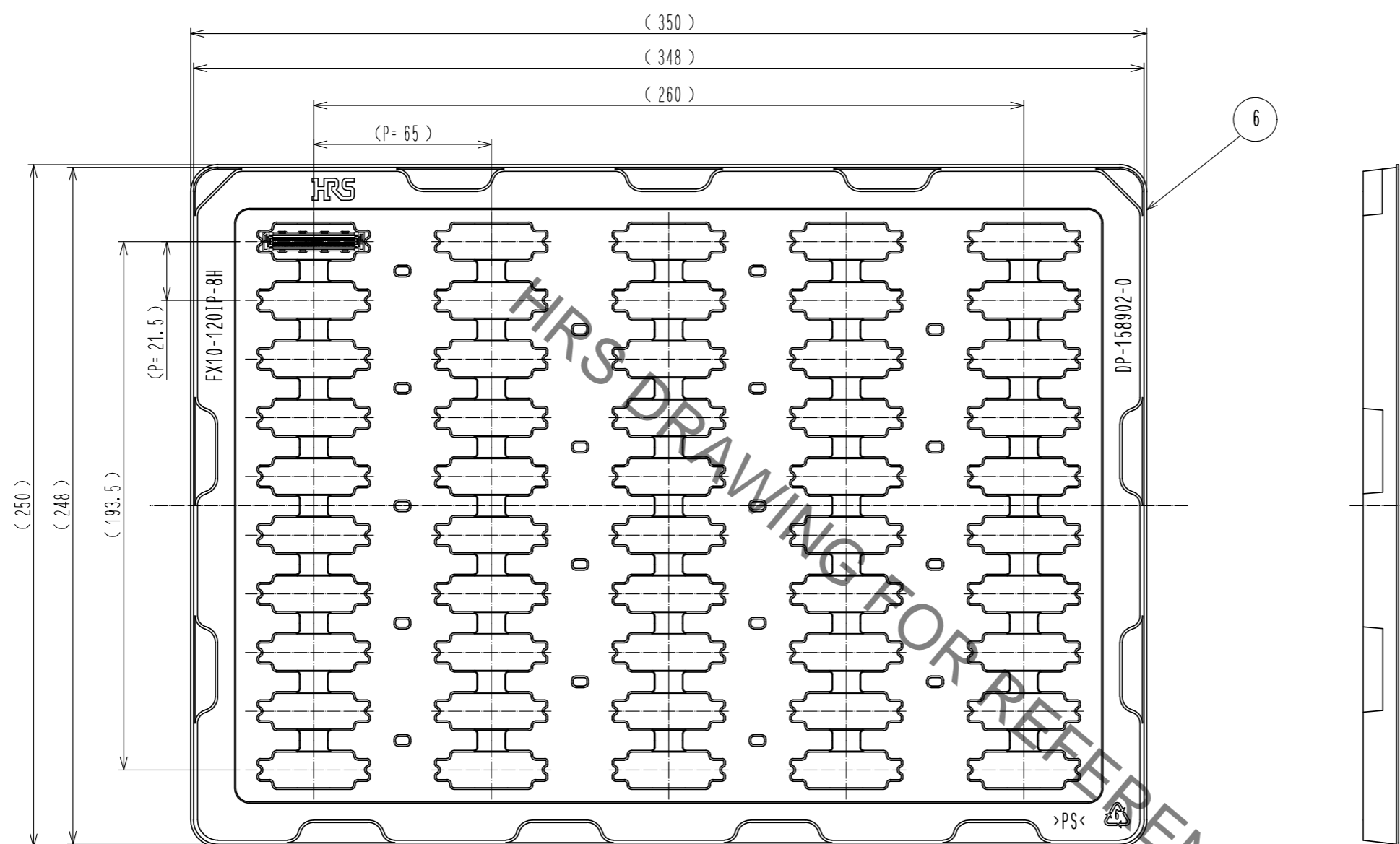


Fig.3 Drawing for packing (1:2) ◁6

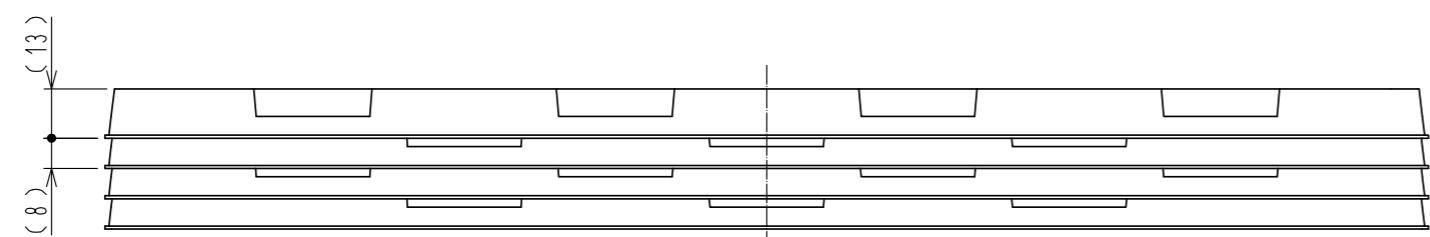


Fig.4 Stacked tray drawing (1:2)

HRS	DRAWING NO.	EDC-361676-03-00
	PART NO.	FX10-120IP-36Q-8PH(03)
	CODE NO.	CL608-0016-0-03

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