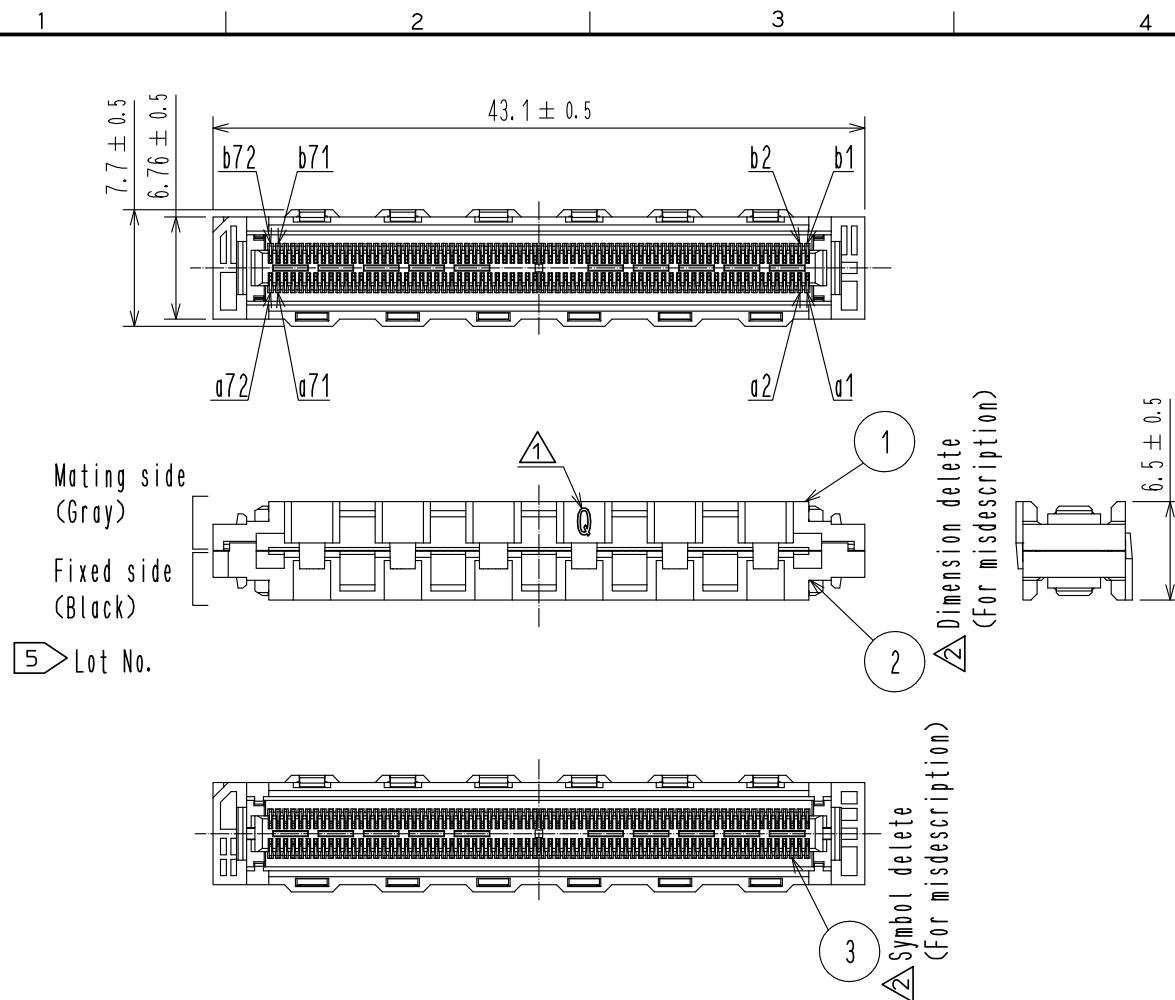


Table.1 Stacking height and connector combinations  1

Board distance (Stacking height)	Header connector of Board α	Interposer	Header connector of Board β	Recommended space height(L)
8mm	FX10A-144P-SV(**)	FX10-144IP-44Q-8H(O3)	FX10A-144P-SV(**)	$8 \pm 0.127\text{mm}$
9mm	FX10A-144P-SV1(**)		FX10A-144P-SV(**)	$9 \pm 0.127\text{mm}$
10mm	FX10A-144P-SV1(**)		FX10A-144P-SV1(**)	$10 \pm 0.127\text{mm}$

Table.2 Pin configuration of Interposer ◀ 4

[illegible]

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 44 Differential pairs, 8 Single-ended lines and 48 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.

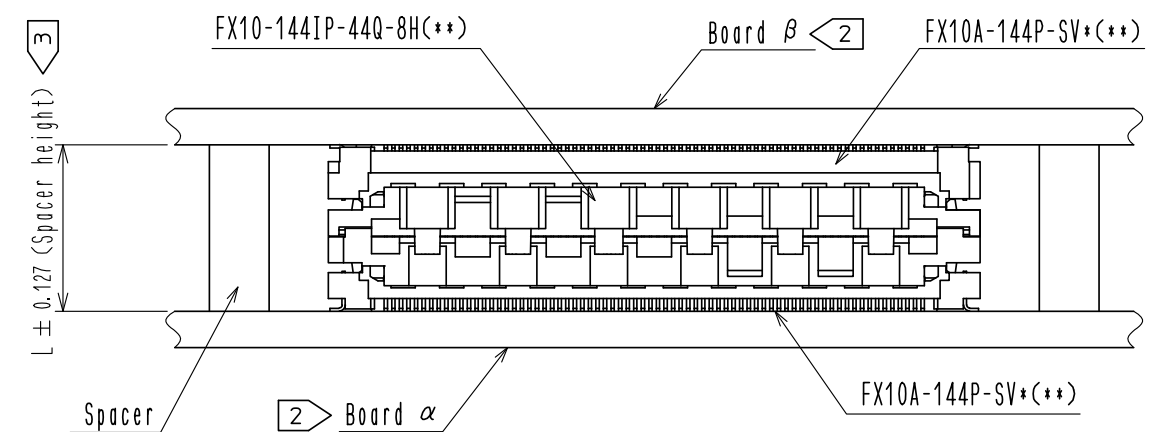


Fig.1 Recommended spacer height (Free)

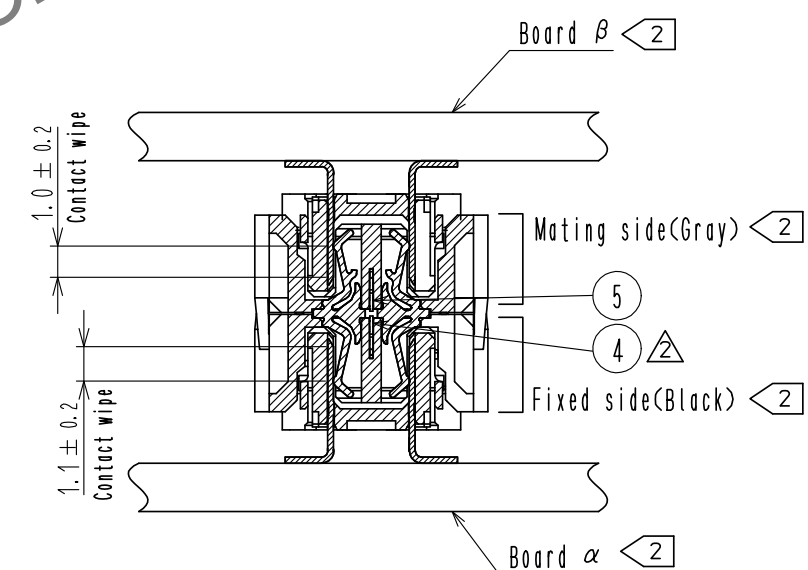
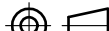


Fig.2 Mating cross section (Free)

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 9	DESCRIPTION OF REVISIONS DIS-F-00002513		DESIGNED AS. MATSUZAWA	CHECKED MK. EZAKI	DATE 17. 07. 14
 HIROSE ELECTRIC CO., LTD.	APPROVED		•MK. EZAKI		16. 03. 25		DRAWING NO. EDC-354344-03-03		
	CHECKED		•MK. EZAKI		16. 03. 25		PART NO. FX10-144IP-44Q-8H(C03)		
	DESIGNED		•MK. NAGATA		16. 03. 25		CODE NO. CL608-0008-2-03		
	DRAWN		•MK. NAGATA		16. 03. 25		 		

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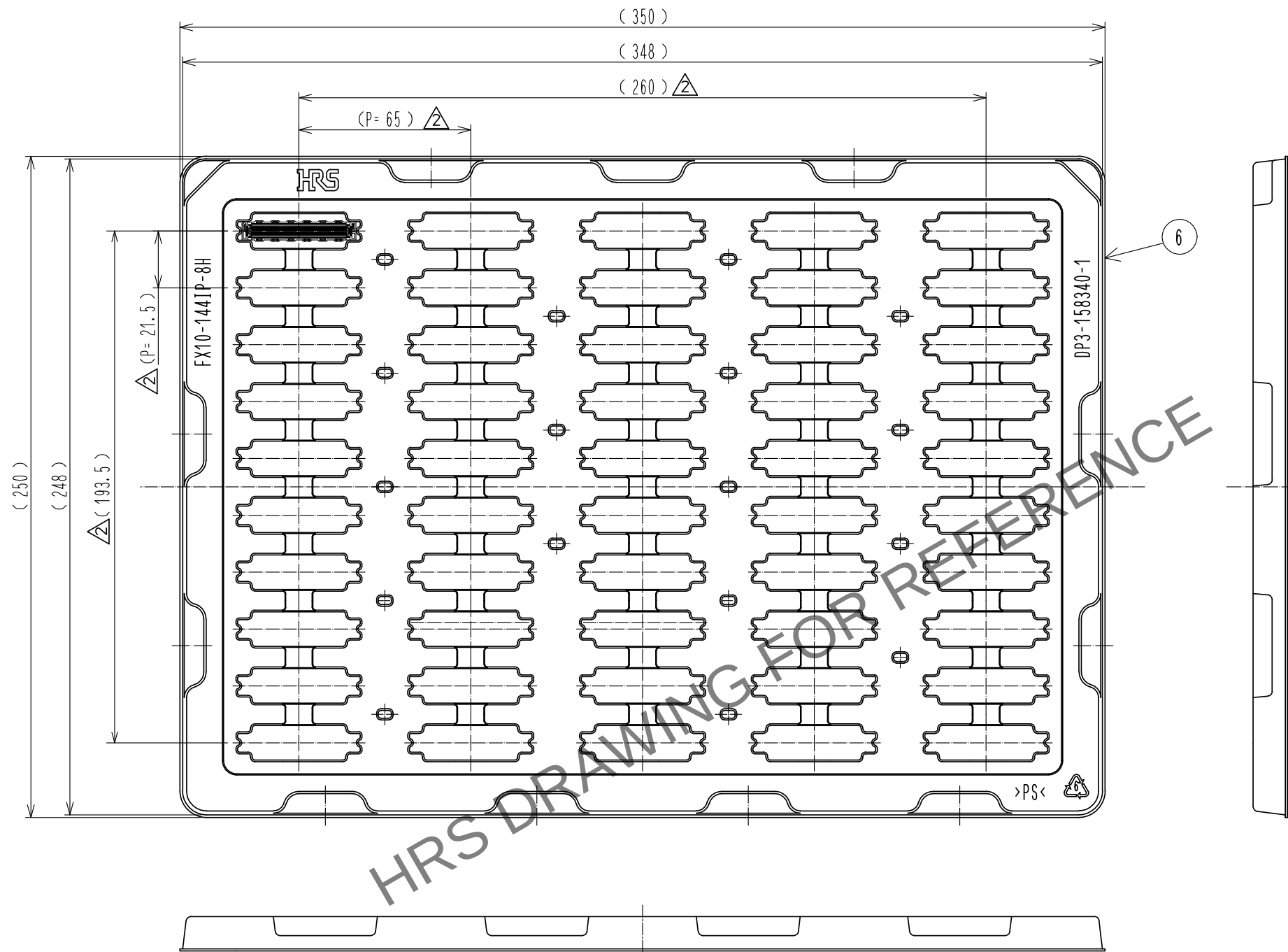


Fig.3 Drawing for packing (1:2) 6

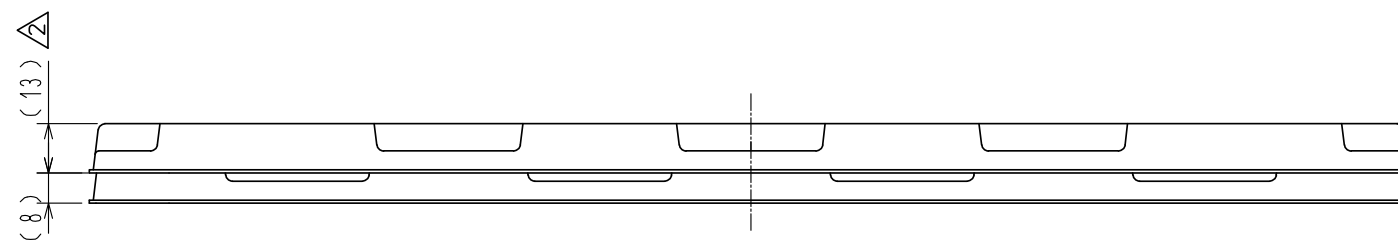


Fig.4 Stacked tray drawing (1:2)

HRS	DRAWING NO.	EDC-354344-03-03		
	PART NO.	FX10-144IP-44Q-8H<03>		
	CODE NO.	CL608-0008-2-03	2	2