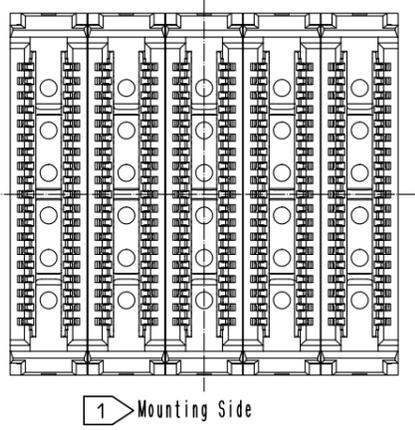
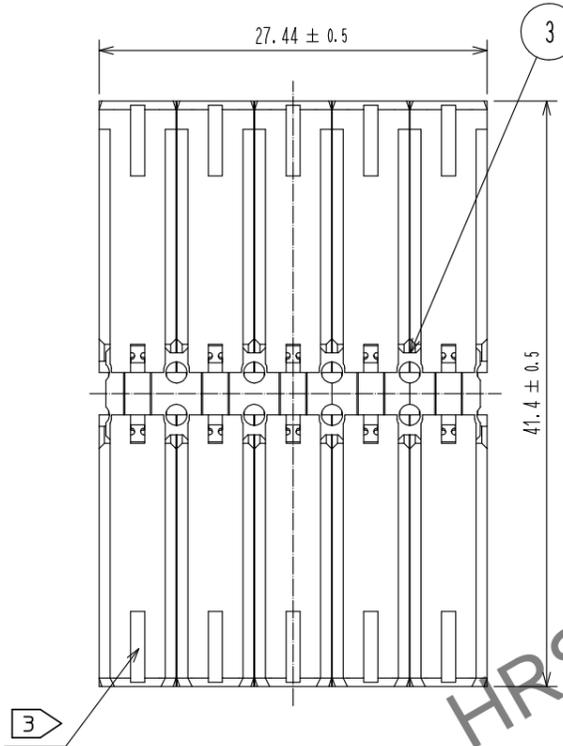
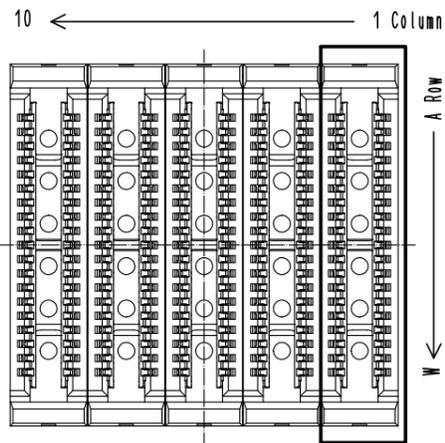


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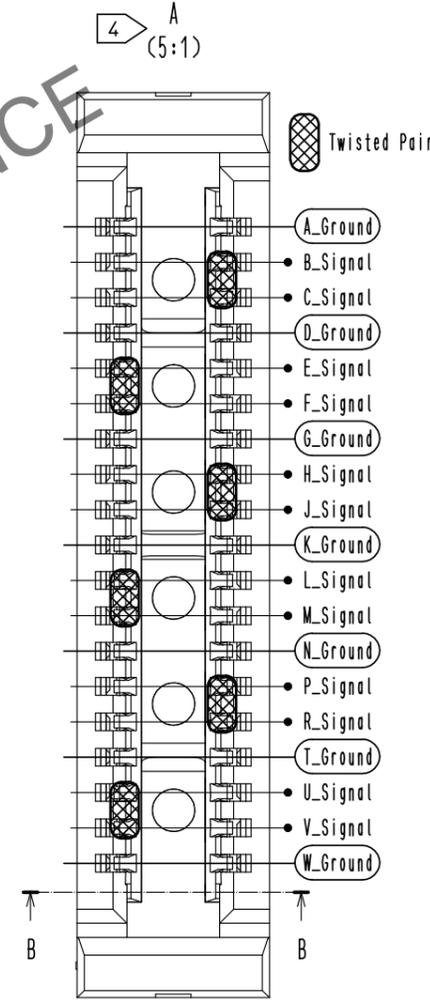
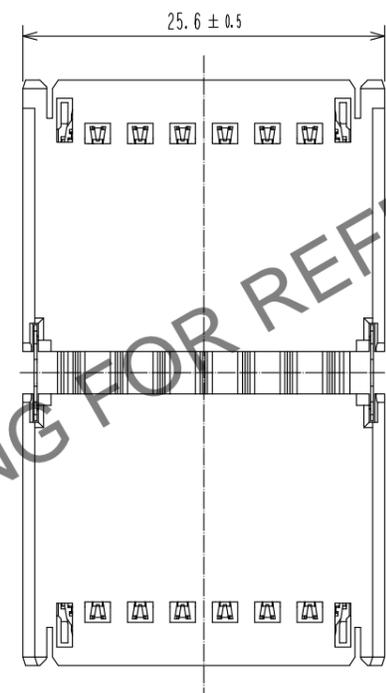


Note.

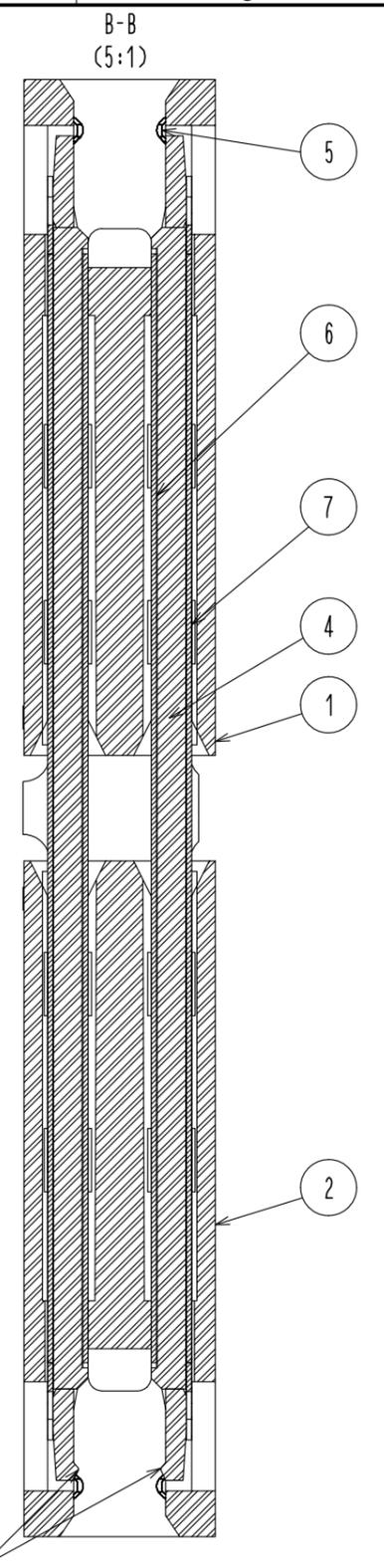
- 1 Mounting side is mated with Plug-M:IT8M-120P-BGA-H(**) and fixed with the latch.
- 2 Mating side is mated with Plug-D:IT8D-120P-BGA-H(**).
- 3 Lot No. shall be marked at the indicated position.
- 4 IT8 Series apply GSSG. pin assign as shown. Twisted pairs are indicated by the hatch marks. Twisted pairs are twisted in the center to reduce FEXT.
- 5 The indicated mother board and daughter card shall be fastened to the additional reinforcements to prevent the stress on IT8*-120P-BGA-H(**) solder joints.
- 6 This product consists of 120 signal contacts and 70ground contacts.
- 7 The spacer height of this product assembled with mounted IT8M-120P-BGA-H(**) and IT8D-120P-BGA-H(**) shall be indicated in Table 1.

Table 1 Spacer height

Spacer height (CX)	44	45	46
Plug-D (Detachable Side)	IT8D-***P-BGA-0H(**)	IT8D-***P-BGA-0H(**)	IT8D-***P-BGA-1H(**)
Interposer	IT8-***S-44H(**)		
Plug-M (Mounting Side)	IT8M-***P-BGA-0H(**)	IT8M-***P-BGA-1H(**)	IT8M-***P-BGA-1H(**)



- Twisted Pair
- A_Ground
- B_Signal
- C_Signal
- D_Ground
- E_Signal
- F_Signal
- G_Ground
- H_Signal
- J_Signal
- K_Ground
- L_Signal
- M_Signal
- N_Ground
- P_Signal
- R_Signal
- T_Ground
- U_Signal
- V_Signal
- W_Ground



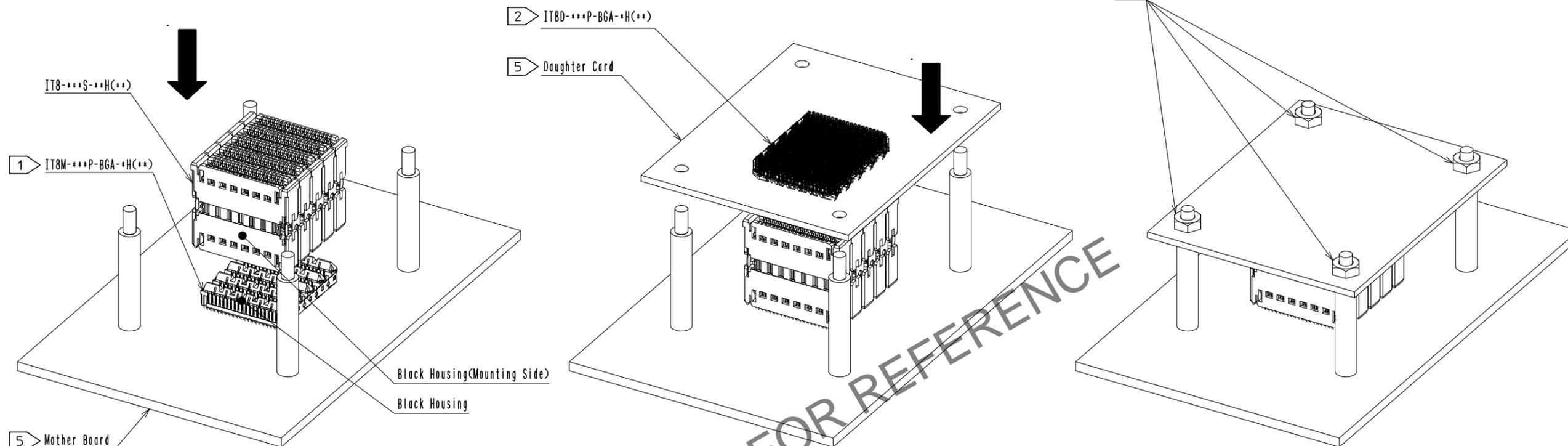
NO.	MATERIAL	FINISH . REMARKS	NO.	MATERIAL	FINISH . REMARKS
4	LCP	BLACK. UL94V-0	7	SUS	
3	SUS		6	SUS	
2	PPS	BLACK. UL94V-0	5	Copper Alloy	Contact area:Nickel 1.27µm min.+Gold 0.76µm min.
1	PPS	GRAY. UL94V-0			Other area:Nickel 1.27µm min.

UNITS	SCALE	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
mm	2 : 1	△				

HRS HIROSE ELECTRIC CO., LTD.	APPROVED : TM. MATSUO	17.07.28	DRAWING NO. EDC-374894-00-00 PART NO. IT8-120S-44H CODE NO. CL636-3523-0-00
	CHECED : YS. TAKEUCHI	17.07.28	
	DESIGNED : TH. SANO	17.07.26	
	DRAWN : CHUNKAI YANG	17.07.26	

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IT8 Assembly Process

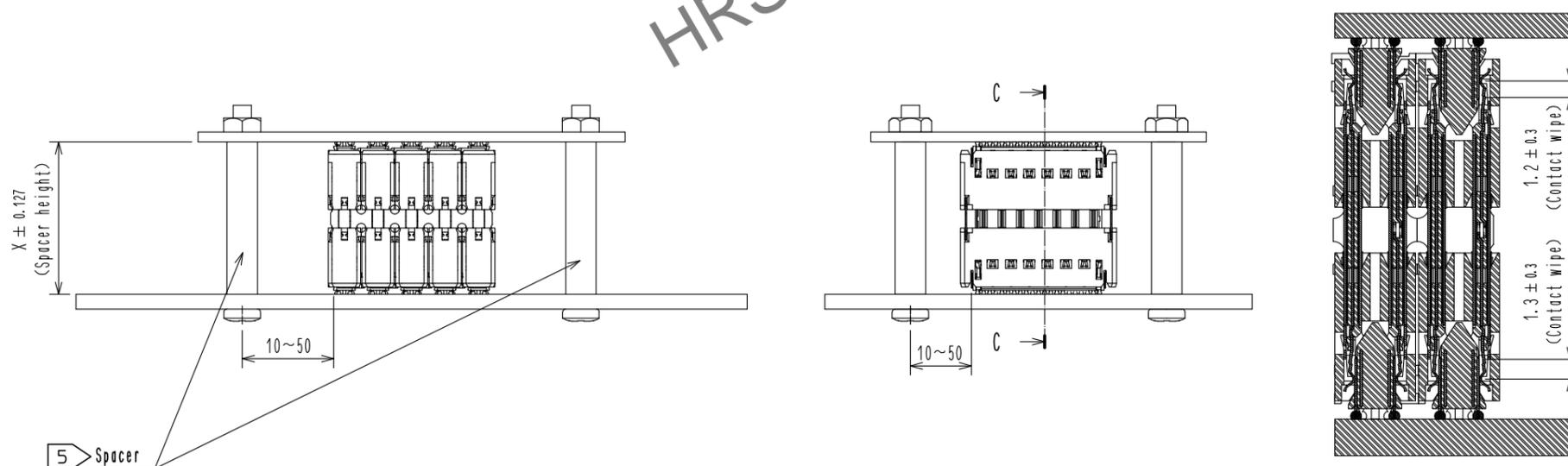


1) Insert mounting side of Interposer(IT8-***S-***H(**)) by pressing on top of Interposer into reflowed Mounting Plug(IT8M-***P-BGA-***H(**)) having black housings.

2) Insert Detachable Plug(IT8D-***P-BGA-***H(**)) having gray housings into mating side of Interposer(IT8-***S-***H(**)).

3) Install and tighten nuts to fix mated Detachable Plug after completion of mating.

IT8 Mated Condition



HRS DRAWING FOR REFERENCE

HRS	DRAWING NO.	EDC-374894-00-00
	PART NO.	IT8-120S-44H
	CODE NO.	CL636-3523-0-00
		2/2