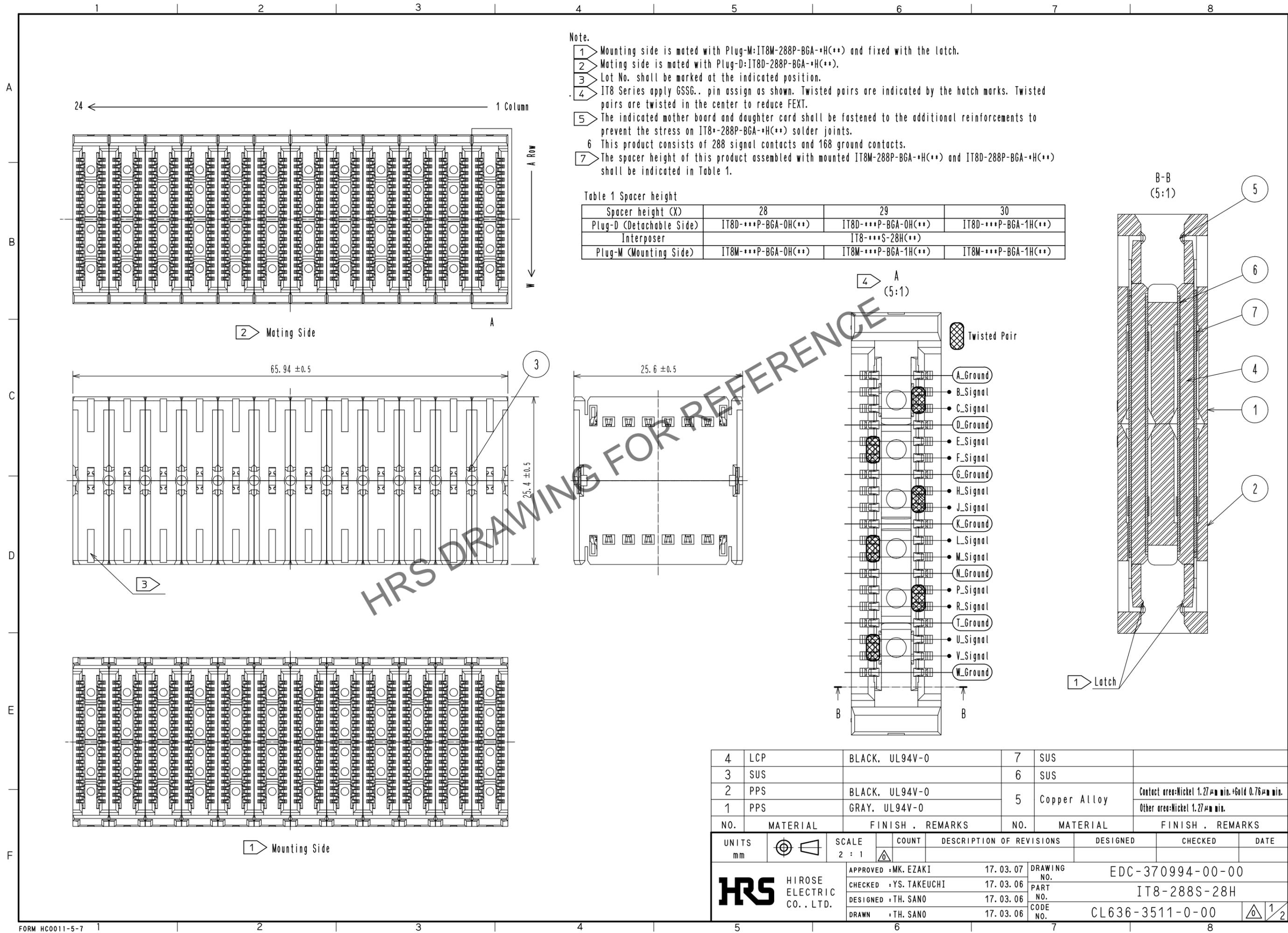


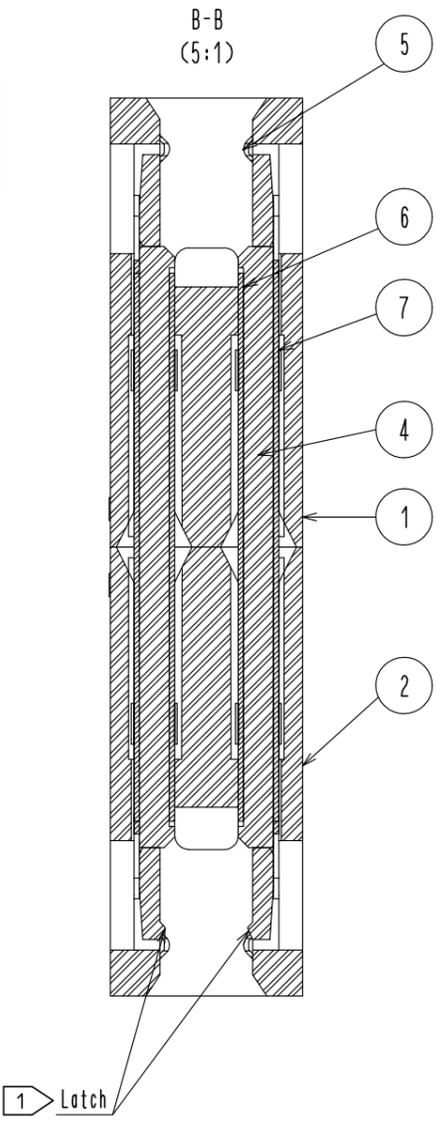
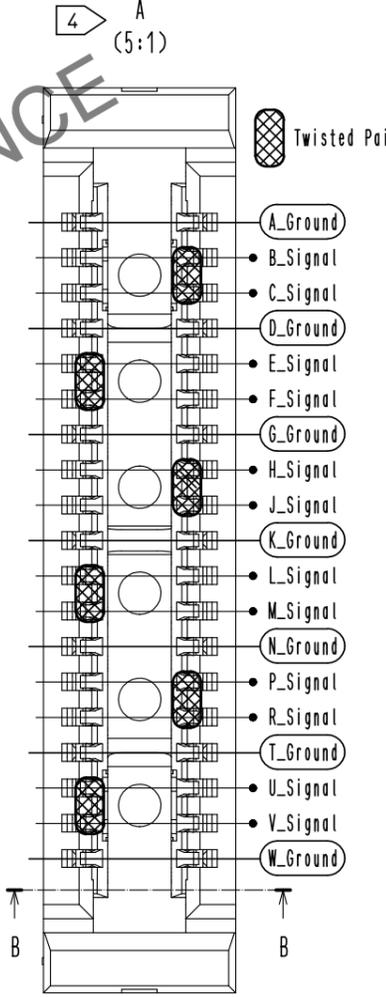
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- Note.
- 1 Mounting side is mated with Plug-M:IT8M-288P-BGA-H(\*\*) and fixed with the latch.
  - 2 Mating side is mated with Plug-D:IT8D-288P-BGA-H(\*\*).
  - 3 Lot No. shall be marked at the indicated position.
  - 4 IT8 Series apply GSSG. pin assign 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 IT8-288P-BGA-H(\*\*) solder joints.
  - 6 This product consists of 288 signal contacts and 168 ground contacts.
  - 7 The spacer height of this product assembled with mounted IT8M-288P-BGA-H(\*\*) and IT8D-288P-BGA-H(\*\*) shall be indicated in Table 1.

Table 1 Spacer height

Spacer height (X)	28	29	30
Plug-D (Detachable Side)	IT8D-***P-BGA-0H(**)	IT8D-***P-BGA-0H(**)	IT8D-***P-BGA-1H(**)
Interposer	IT8-***S-28H(**)		
Plug-M (Mounting Side)	IT8M-***P-BGA-0H(**)	IT8M-***P-BGA-1H(**)	IT8M-***P-BGA-1H(**)



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.

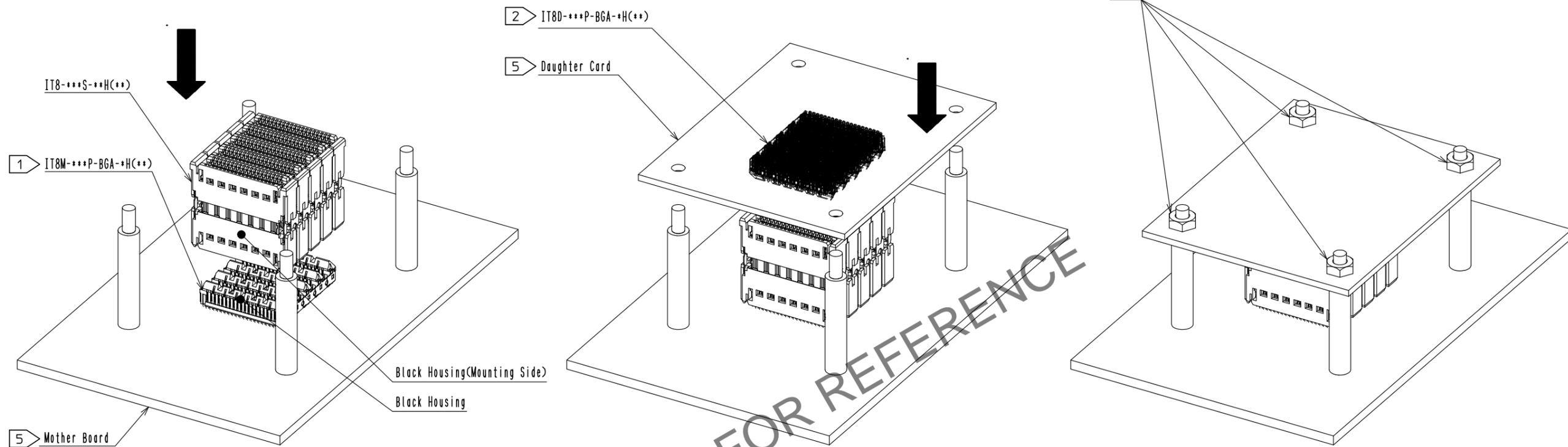
UNITS	SCALE	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
mm	2 : 1	△				

<b>HRS</b> HIROSE ELECTRIC CO., LTD.	APPROVED : MK. EZAKI	17.03.07	DRAWING NO.	EDC-370994-00-00
	CHECKED : YS. TAKEUCHI	17.03.06	PART NO.	IT8-288S-28H
	DESIGNED : TH. SANO	17.03.06	CODE NO.	CL636-3511-0-00
	DRAWN : TH. SANO	17.03.06		

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### IT8 Assembly Process

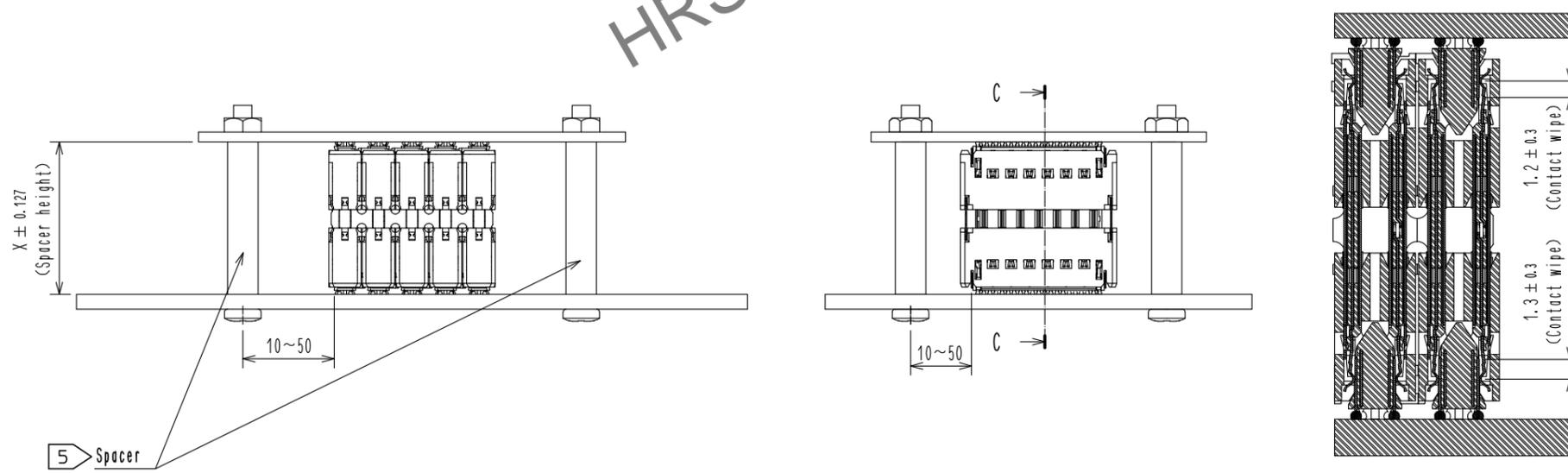


1) Insert mounting side of Interposer(IT8-\*\*\*S-\*\*H(\*\*)) by pressing on top of Interposer into reflowed Mounting Plug(IT8M-\*\*\*P-BGA-\*\*H(\*\*)) having black housings.

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

<b>HRS</b>	DRAWING NO.	EDC-370994-00-00
	PART NO.	IT8-288S-28H
	CODE NO.	CL636-3511-0-00
		2/2