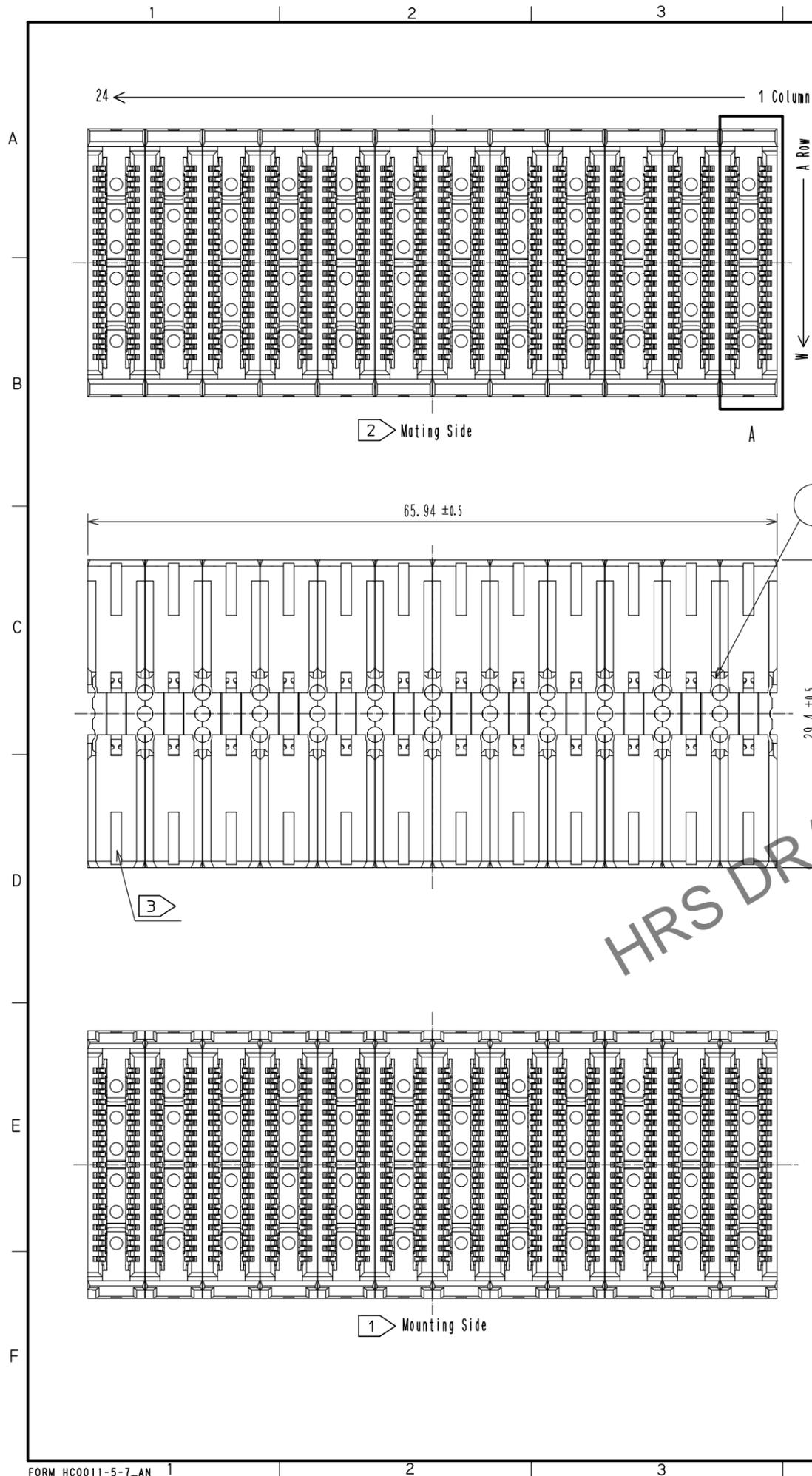


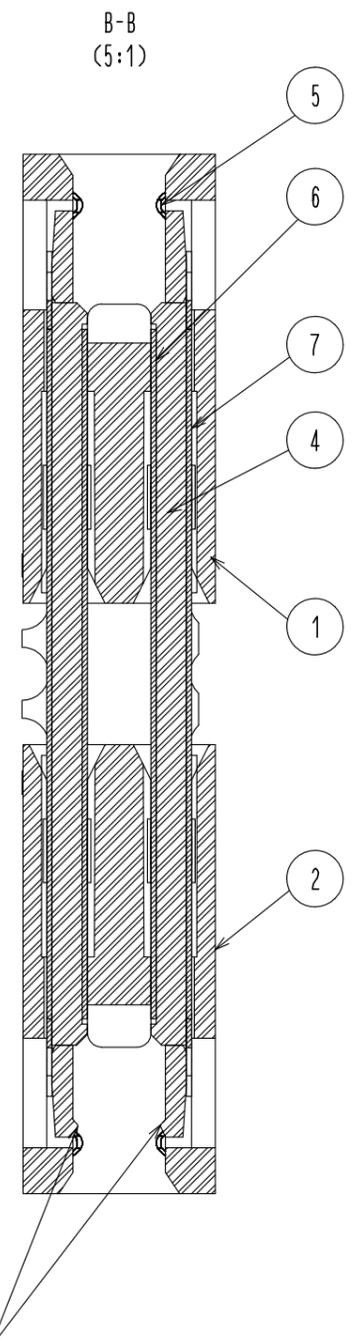
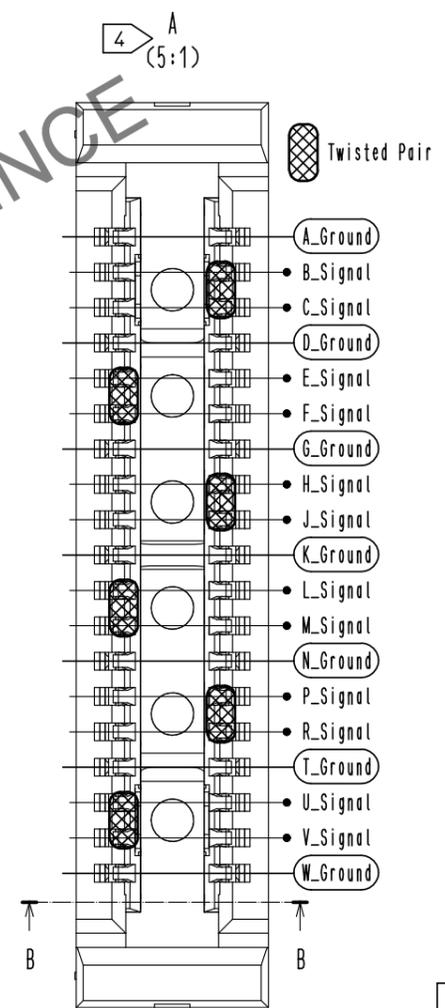
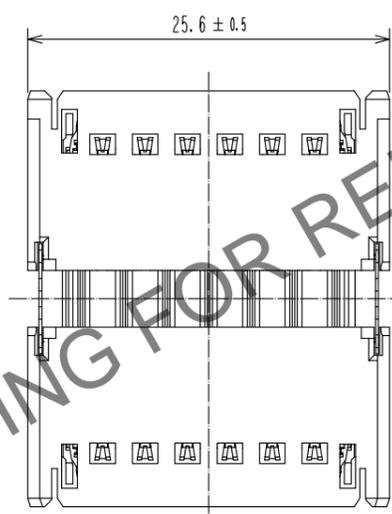
Feb.1.2026 Copyright 2026 HIROSE ELECTRIC CO., LTD. All Rights Reserved.
In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.



- 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)	32	33	34
Plug-D (Detachable Side)	IT8D-***P-BGA-0H(**)	IT8D-***P-BGA-0H(**)	IT8D-***P-BGA-1H(**)
Interposer		IT8-***S-32H(**)	
Plug-M (Mounting Side)	IT8M-***P-BGA-0H(**)	IT8M-***P-BGA-1H(**)	IT8M-***P-BGA-1H(**)

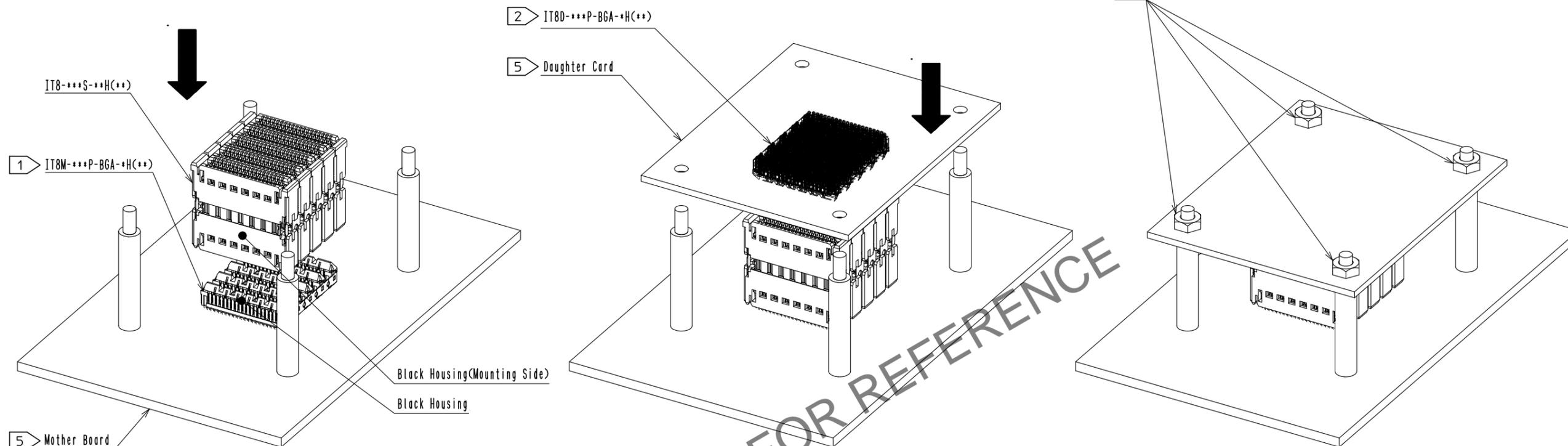


4	LCP	BLACK. UL94V-0	7	SUS			
3	SUS		6	SUS			
2	PPS	BLACK. UL94V-0	5	Copper Alloy	Contact area:Nickel 1.27µm min.+Gold 0.76µm min.		
1	PPS	GRAY. UL94V-0			Other area:Nickel 1.27µm min.		
NO.	MATERIAL	FINISH . REMARKS	NO.	MATERIAL	FINISH . REMARKS		
UNITS		SCALE	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
mm		2 : 1					
APPROVED :MK. EZAKI 17.03.23			DRAWING NO. EDC-370997-00-00				
CHECED :YS. TAKEUCHI 17.03.23			PART NO. IT8-288S-32H				
DESIGNED :TH. SANO 17.03.22			CODE NO. CL636-3514-0-00				
DRAWN :CHUNKAI YANG 17.03.22							

HRS DRAWING FOR REFERENCE

Feb.1.2026 Copyright 2026 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.

IT8 Assembly Process

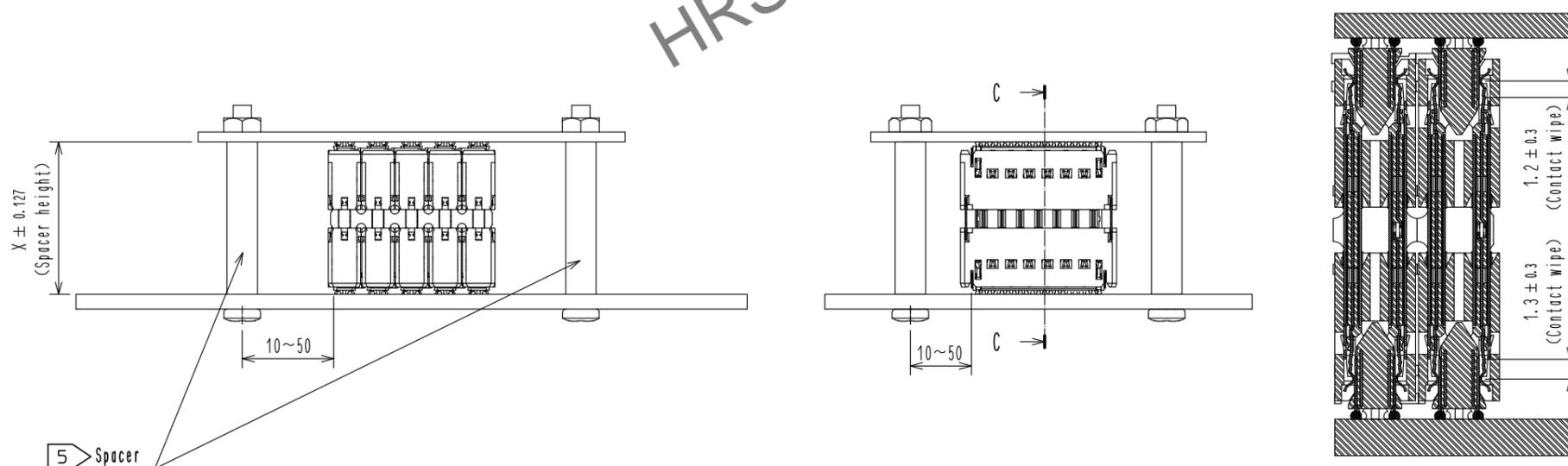


1) Insert mounting side of Interposer(IT8-***S-**H(**)) by pressing on top of Interposer into reflowed Mounting Plug(IT8M-***P-BGA-**H(**)) having black housings.

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-370997-00-00
	PART NO.	IT8-288S-32H
	CODE NO.	CL636-3514-0-00
		2/2