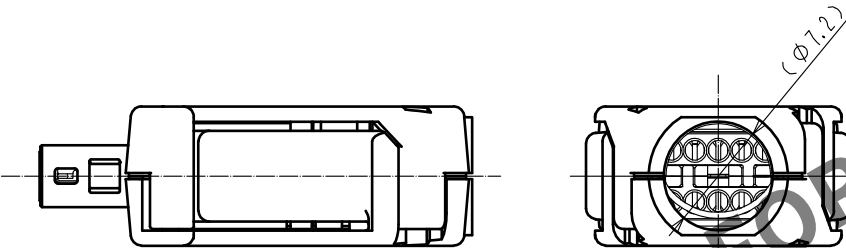
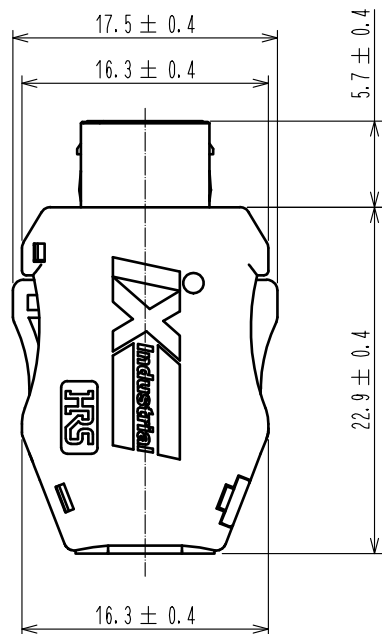
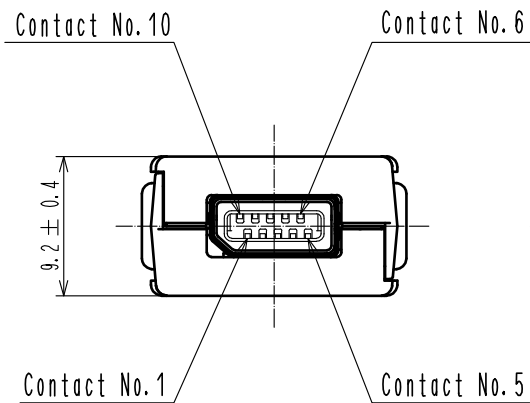
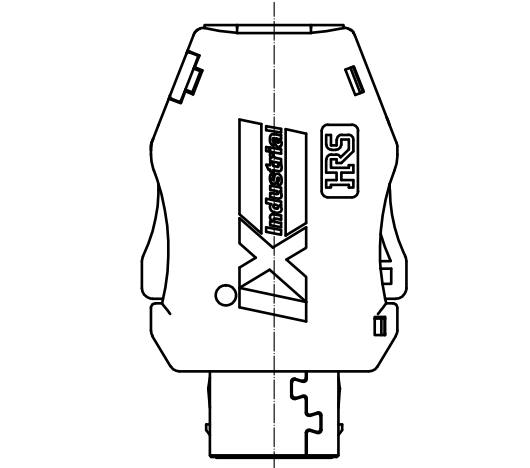


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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

A
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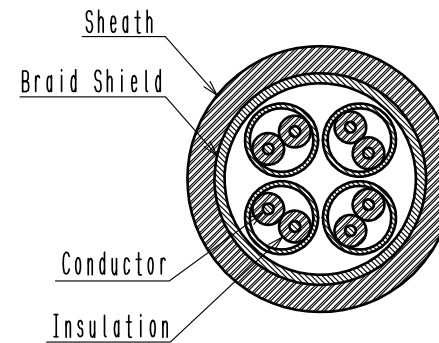
Pin Assignment For 10/100 Mbit/s And 1/10 Gbit/s Ethernet

Contact No.	Signal	
	10/100 Mbit/s	1/10 Gbit/s
1	TX+	BI_DA+
2	TX-	BI_DA-
3	N.C	N.C
4	N.C	BI_DC+
5	N.C	BI_DC-
6	RX+	BI_DB+
7	RX-	BI_DB-
8	N.C	N.C
9	N.C	BI_DD+
10	N.C	BI_DD-

- Notes. 1. Recommended cable condition is shown below.
△ A list of compatible cables is available on the Hirose website.
When using a non-recommended cable, please contact a Hirose sales representative.
Refer to the technical specification (ETAD-E3162) for wiring and assembly procedures.

△ Recommended Cable

Items		Recommended Condition
Conductor	Size	AWG#24 to 25
	Composition	7 stranded
	Material	Annealed copper wire
Insulation O.D.		φ1.1 to 1.25mm
Braid Shield		Tin plating
Sheath O.D.		φ6.3 to 7.2mm

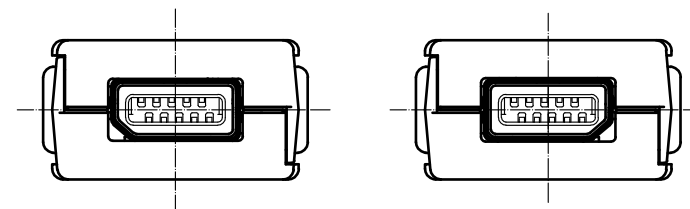


- 2 This product (Type A) is defined for 10/100 Mbit/s and 1/10 Gbit/s Ethernet communication. Please use Type B for all other non Ethernet applications like signaling, serial or other industrial bus communication systems.

△ Mating Key

Type A

Type B



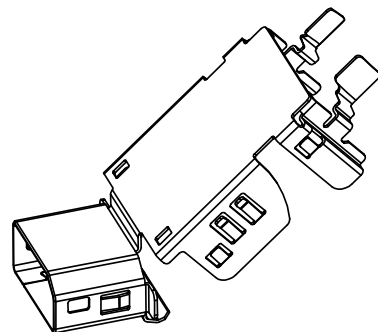
- △ 3 Excluding the plug unit, this product is packaged separately by the type of parts.
The shield shell is packaged prior to bending. (See next page.)

4	PA	Black, UL94V-0	8	PC	Dark gray, UL94V-0
3	Stainless Steel		7	Stainless Steel	Nickel 0.2 μm min
2	PA	Dark gray, UL94V-0	6	Stainless Steel	Nickel 1 μm min
1	Copper Alloy	Contact area : Gold 0.2 μm min Wiring area : Gold 0.03 μm min Under plating : Nickel 2 μm min	5	PC	Clear yellow, UL94V-0
NO.	MATERIAL	FINISH . REMARKS	NO.	MATERIAL	FINISH . REMARKS
UNITS mm		SCALE 2 : 1	COUNT 6	DESCRIPTION OF REVISIONS DIS-E-00006881	
		APPROVED : RI. TAKAYASU	20170324	DRAWING NO. EDC-129485-00-00	
		CHECKED : KI. NAGANUMA	20170324	PART NO. IX31G-A-10S-CV(7.0)	
		DESIGNED : HT. SATO	20170324	CODE NO. CL0251-0023-0-00	
		DRAWN : HT. SATO	20170324		
		DESIGNED	MT. YASUDA	CHECKED	KI. KAGOTANI
		DATE	20211025		

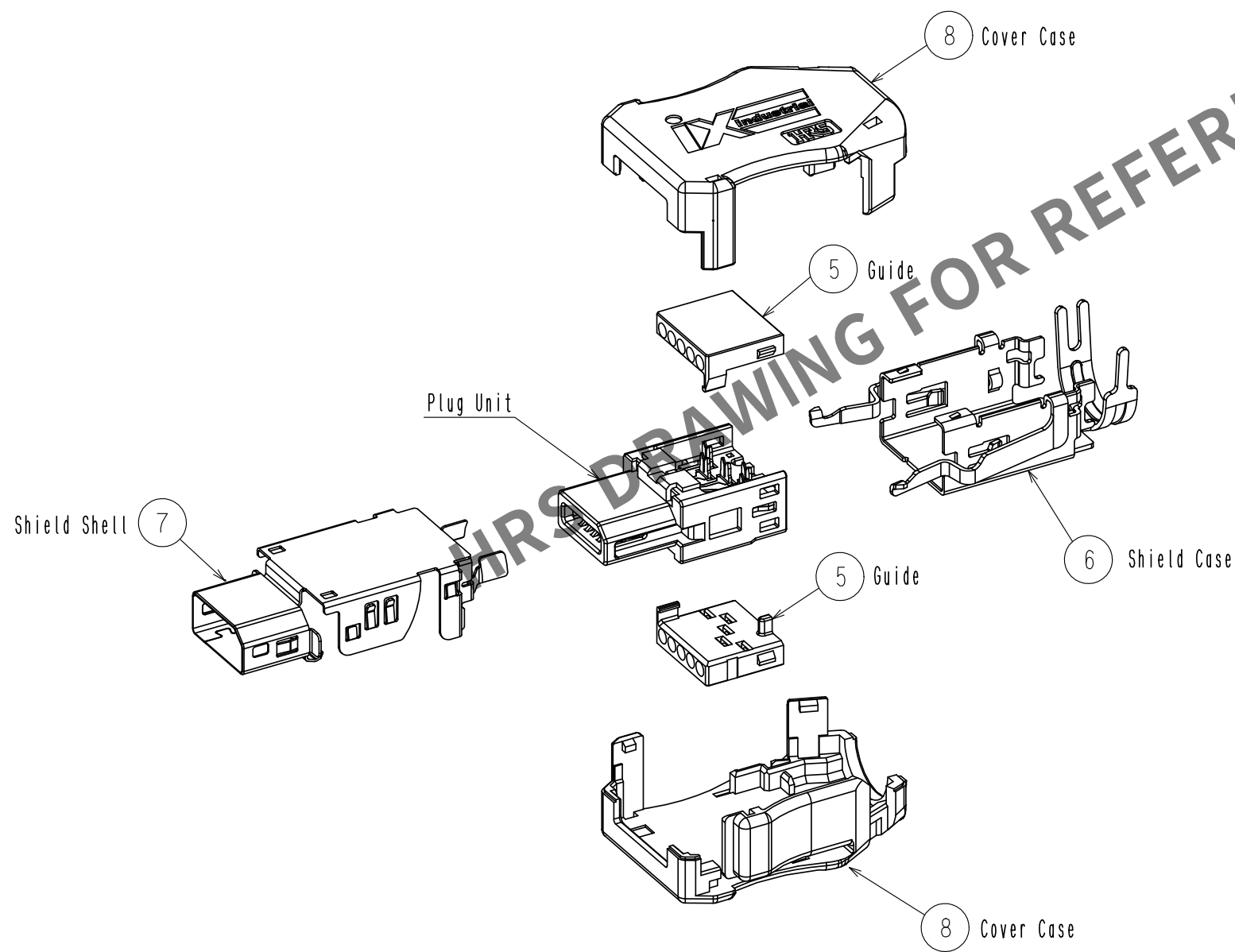
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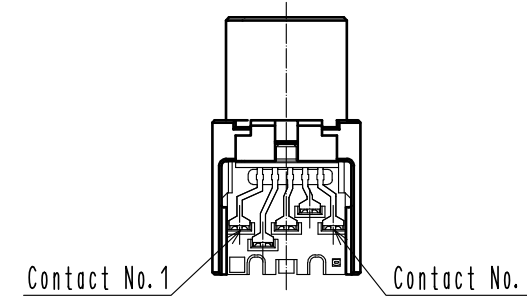
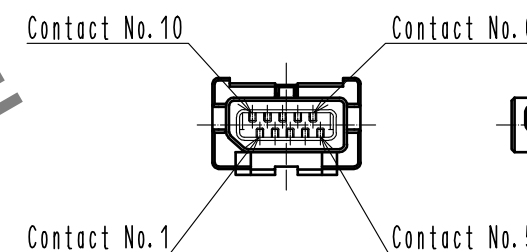
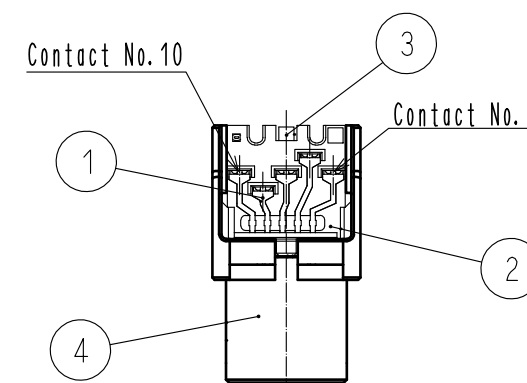
3 Shield Shell Delivery Form



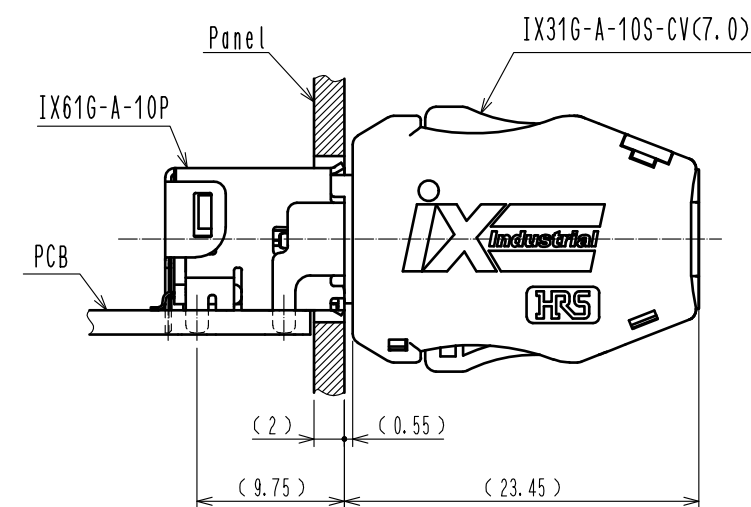
3 Product Structure



Plug Unit



6 Mated Condition



HRS

DRAWING NO.	EDC-129485-00-00
PART NO.	IX31G-A-10S-CV(7.0)
CODE NO.	CL0251-0023-0-00

6/2/2