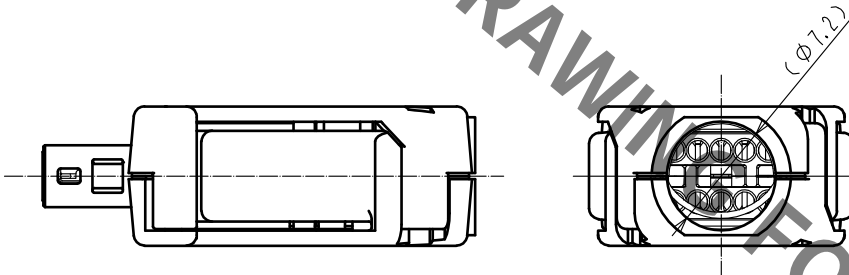
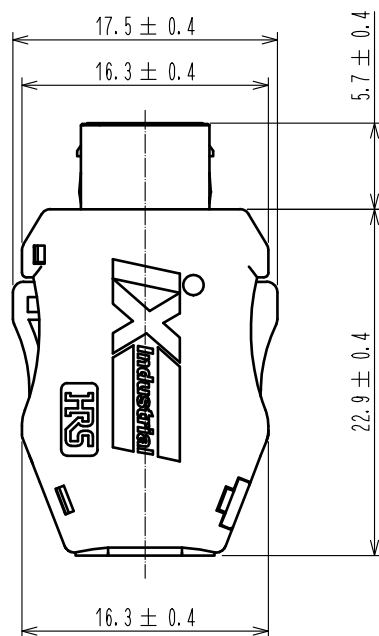
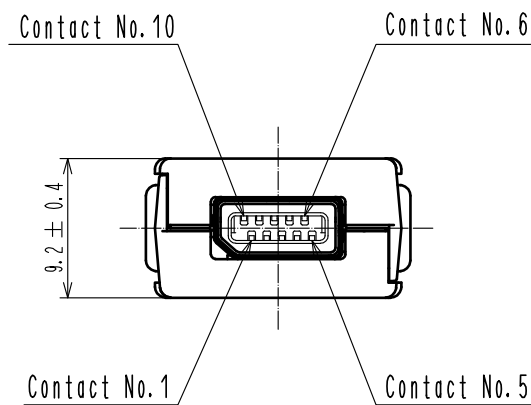
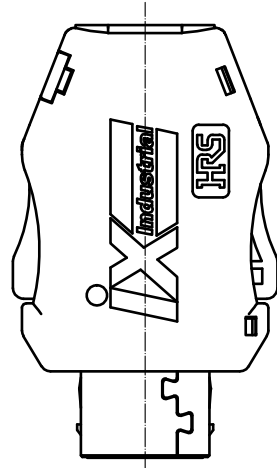


△ (Part No. 4 shape change)



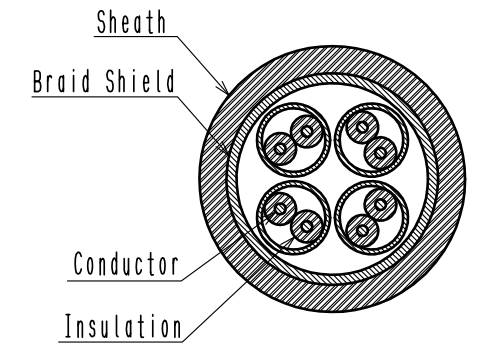
2 Pin Assignment For 10/100 Mbit/s And 1/10 Gbit/s Ethernet

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. Applicable cable condition is shown below.
In case of using a not applicable cable, please contact our sales representative.
Refer to the technical specification (ETAD-E3162-00) for wiring and assembly procedure.

Applicable Cable

Items		Applicable Condition
Conductor	Size	AWG#24 to 25
	Composition	7 stranded
	Material	Annealed copper wire
Insulation O.D.		φ 1.1 to 1.25mm
Braid Shield		Tin plating
Sheath O.D.		φ 6.3 to 7.2mm

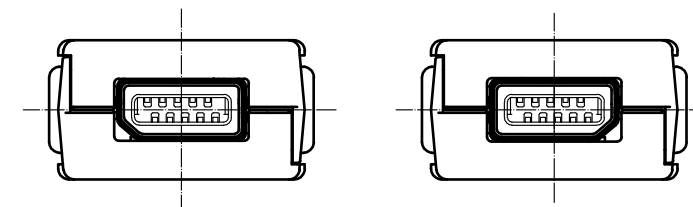


2 This product (Type A) is defined for 10/100 Mbit/s and 1/10 Gbit/s Ethernet communication. Please use Type B for all other non Ethernet applications like signaling, serial or other industrial bus communication systems.

Mating Shape

Type A

Type B

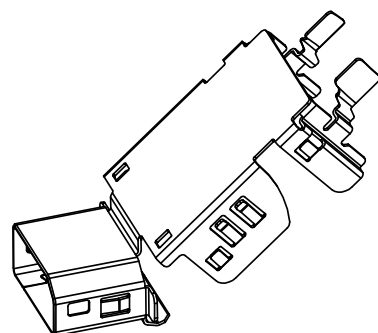


3 This product except plug unit is packed separately by the types of parts.
Shield shell is packed in pre-bended state. (See next page.)

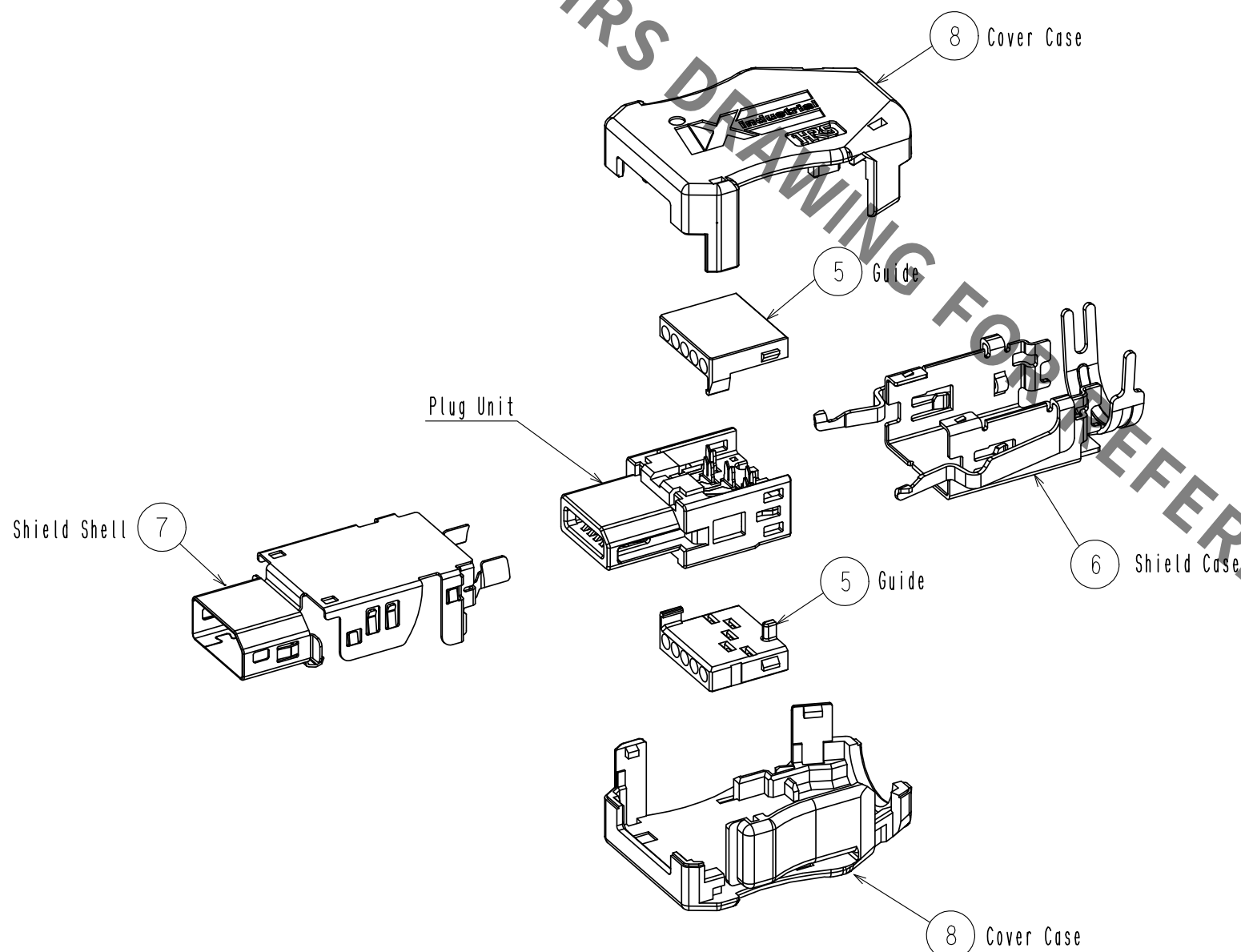
3	Stainless Steel		8	PC	Dark gray, UL94V-0
2	PA	Dark gray, UL94V-0	7	Stainless Steel	Nickel 0.2 μm min
1	Copper Alloy	Contact area : Palladium-Nickel 0.75 μm min + Gold 0.05 μm min	6	Stainless Steel	Nickel 1 μm min
		Wiring area : Gold 0.03 μm min	5	PC	Clear yellow, UL94V-0
		Under plating : Nickel 2 μm min	4	PA	Black, UL94V-0
NO.	MATERIAL	FINISH . REMARKS	NO.	MATERIAL	FINISH . REMARKS
UNITS mm		SCALE 2 : 1	COUNT 1	DESCRIPTION OF REVISIONS DIS-E-00003265	
HIROSE ELECTRIC CO., LTD.		APPROVED : RI. TAKAYASU	20170328	DRAWING NO. EDC-129485-01-00	
		CHECKED : KI. NAGANUMA	20170328	PART NO. IX31G-A-10S-CV(7.0)C(01)	
		DESIGNED : HT. SATO	20170328	CODE NO. CL251-0023-0-01	
		DRAWN : HT. SATO	20170328		
		DESIGNED : KI. KAGOTANI		CHECKED : MN. KENJO	DATE 20200925

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

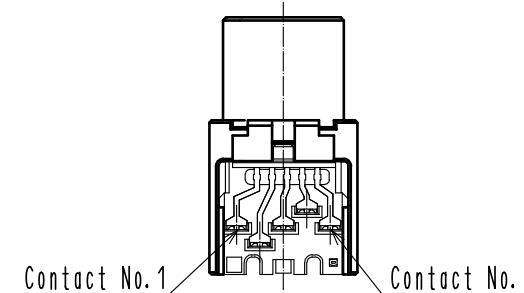
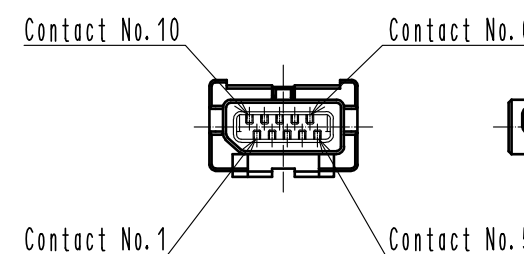
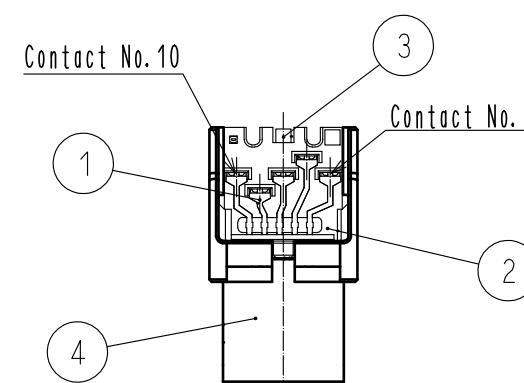
3 Shield Shell Delivery Form



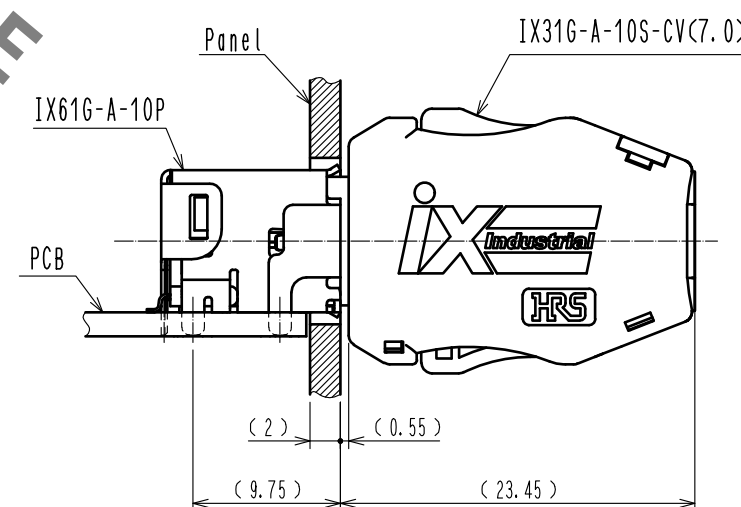
3 Product Structure



Plug Unit



Mating Condition



HR5

DRAWING NO.	EDC-129485-01-00
PART NO.	IX31G-A-10S-CV(7.0)(01)
CODE NO.	CL251-0023-0-01

5/2/2

Mouser Electronics

Authorized Distributor

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[IX31G-A-10S-CV\(7.0\)\(01\)](#)