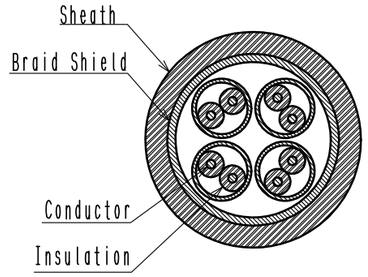
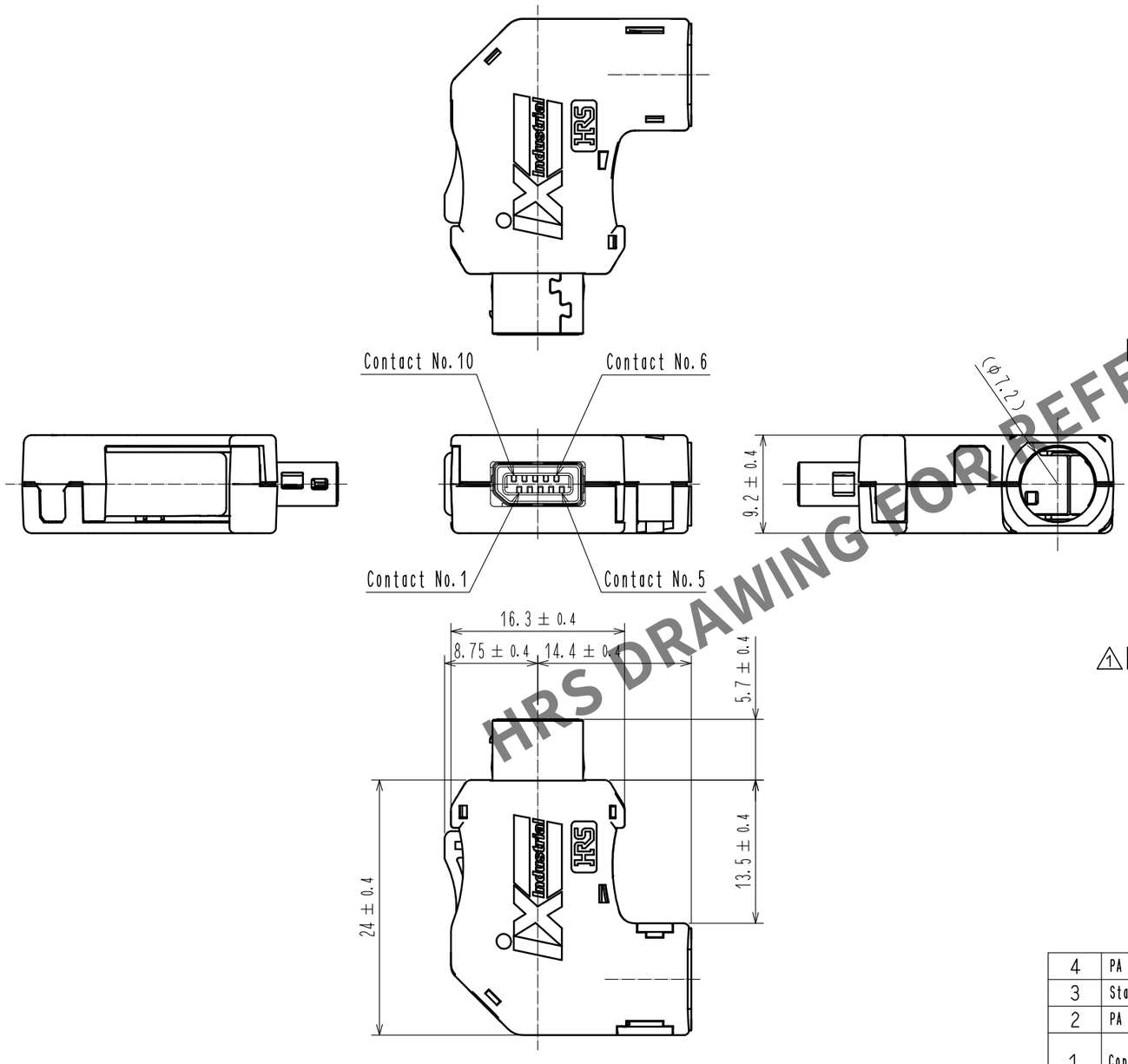
Mar.1.2024 Copyright 2024 HIROSE ELECTRIC CO., LTD. All Rights Reserved.
In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

Notes. 1. Recommended cable condition is shown below.
⚠1 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-E3222) for wiring and assembly procedures.

⚠1 Recommended Cable ⚠1

Items	Recommended Condition
Conductor size	AWG # 28-22
Insulation O.D.	ϕ 1.55 mm MAX.
Braid Shield	Tin plating
Sheath O.D.	ϕ 6.3 -7.2 mm

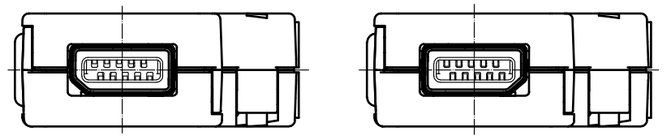




HRS DRAWING FOR REFERENCE

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.

⚠1 Mating Key



⚠1 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.)
Refer to the technical specification (ETAP-E3224) for packing.

NO.	MATERIAL	FINISH , REMARKS	NO.	MATERIAL	FINISH , REMARKS
4	PA	Black, UL94V-0			
3	Stainless Steel		8	PC	Dark gray, UL94V-0
2	PA	Black, UL94V-0	7	PC	Dark gray, UL94V-0
1	Copper Alloy	Contact area : Gold 0.2 μm min Wiring area : Gold 0.03 μm min Under plating : Nickel 2 μm min	6	Stainless Steel	Nickel 0.2 μm min
			5	Stainless Steel	Nickel 1μm min

UNITS	SCALE		COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
mm	2 : 1	⚠1	6	DIS-E-00006884	MT. YASUDA	KI. KAGOTANI	20210929

HIROSE ELECTRIC CO., LTD.

APPROVED	MN. KENJO	20200601	DRAWING NO. EDC-129989-00-00
CHECKED	KI. NAGANUMA	20200601	PART NO. IX40G-A-10S-CVL2(7.0)
DESIGNED	MT. YASUDA	20200601	
DRAWN	MY. KOMUKAI	20200601	CODE NO. CL0251-0077-0-00 ⚠1 1/2

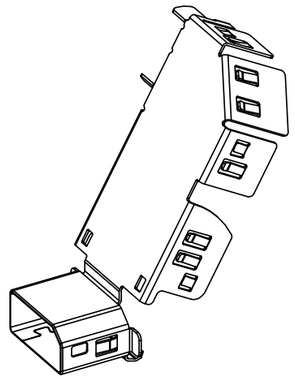
Mar.1.2024 Copyright 2024 HIROSE ELECTRIC CO., LTD. All Rights Reserved.
In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

HRS DRAWING FOR REFERENCE

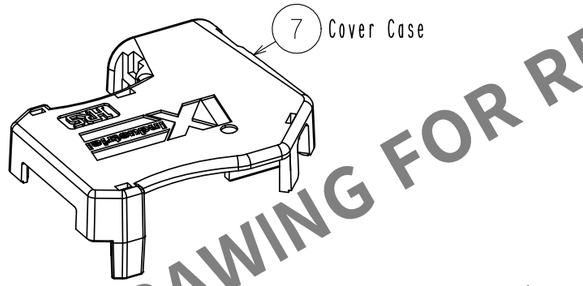
2 Pin Assignment For 10/100 Mbit/s And 1/10 Gbit/s Ethernet

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-

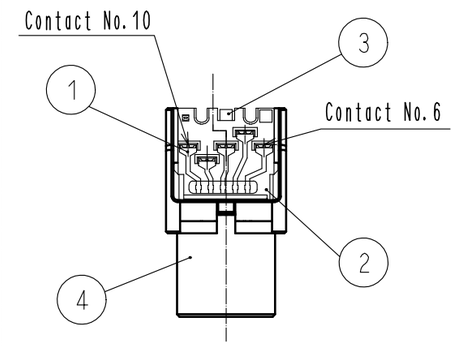
3 Shield Shell Delivery Form

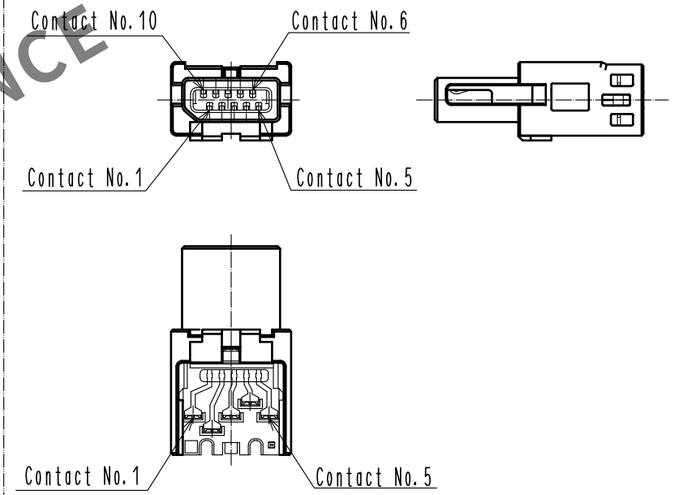


3 Product Structure

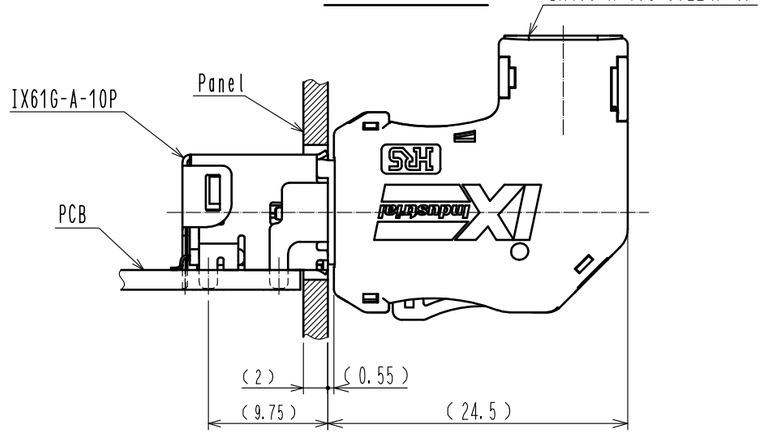


Plug Unit





1 Mated Condition



HRS	DRAWING NO.	EDC-129989-00-00
	PART NO.	IX40G-A-10S-CVL2(7.0)
	CODE NO.	CL0251-0077-0-00
		1 2/2