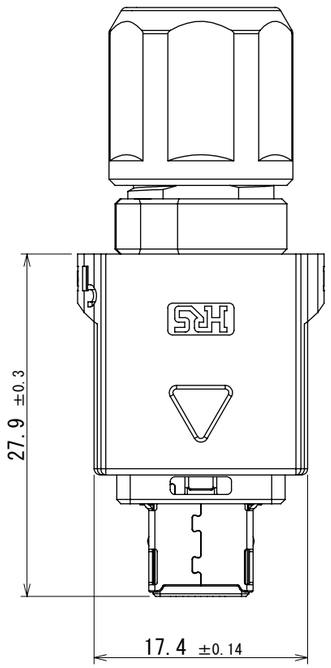
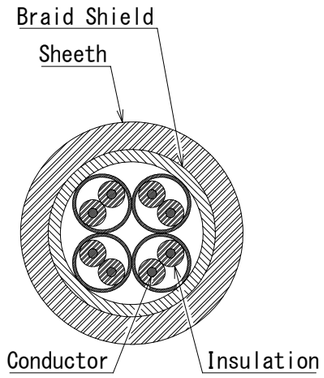


Notes. 1. Recommended cable condition is shown below.
Recommended tighting torque of No.8 Cap is from 1.1 to 1.3 N・m.
Refer to the technical specification (ETAD-E3274) for wiring and assembly procedures.

Recommended Cable

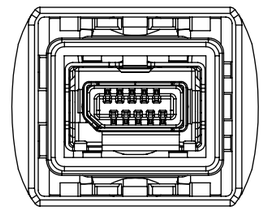
Item		IX30GWP	IX32GWP
Conductor	Size	AWG26 to 28	AWG22 to 24
	composition	7 stranded	
	Material	Annealed copper Wire	
Insulation O.D.		ø1.2mm Max.	ø1.6mm Max.
Braid Shield		Tin plating	
Sheath O.D.		ø5.5 to 7.5mm	



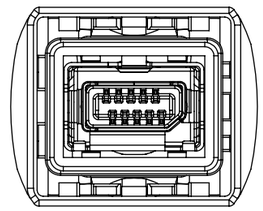
2. Type A is defined for 10/100 Mbit/s and 1/10 Gbit/s Ethenet communication.
Please use Type B for all other non Ethernet applications like signaling, serial or other industrial bus communication systems. Type B is not defined pin assignment.

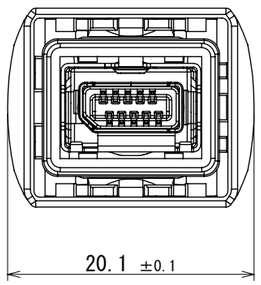
Mating key

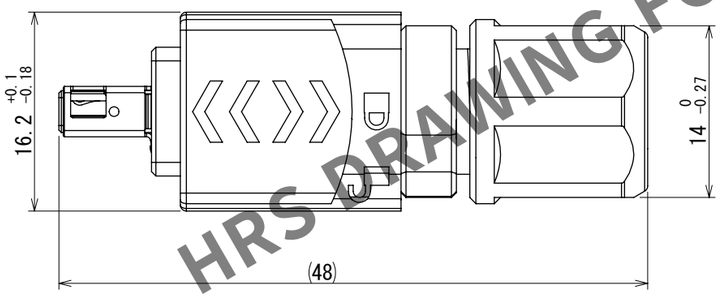
Type A

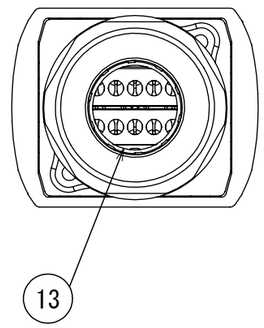


Type B









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

Contact No.	Signal		Use TIA Cable	
	10/100Mbit/s	1/10Gbit/s	TIA/EIA-568-A	TIA/EIA-568-B
1	TX+	BI_DA+	White/Green	White/Orange
2	TX−	BI_DA−	Green	Orange
3	N.C	N.C	N.C	N.C
4	N.C	BI_DC+	Blue	Blue
5	N.C	BI_DC−	White/Blue	White/Blue
6	RX+	BI_DB+	White/Orange	White/Green
7	RX−	BI_DB−	Orange	Green
8	N.C	N.C	N.C	N.C
9	N.C	BI_DD+	White/Brown	White/Brown
10	N.C	BI_DD−	Brown	Brown

NO.	MATERIAL	FINISH , REMARKS	NO.	MATERIAL	FINISH , REMARKS
7	PA	Black, UL94V-0	13	HNBR	Black
6	PA	Grey, UL94V-0	12	Stainless steel	
5	NBR	Black	11	PA	Black, UL94V-0
4	PBT	Black, UL94V-0	10	Copper Alloy	Contact area : Nickel 0.6μm min+ Palladium-Nickel 0.64μm min+ Gold 0.05 μm min Wiring area : Nickel 1.2μm min+ Tin 3μm min
3	PBT	Black, UL94V-0			
2	PC	30G : Clear, UL94V-2 32G : Clear orange, UL94V-2			
1	Stainless steel	Clamp area : Nickel 0.9μm min + Tin 0.9μm min Other area : Nickel 1.6 μm min	9	PA	Black, UL94V-0
			8	PA	Black, UL94V-0

UNITS	SCALE		COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
mm	2:1	△2	2	DIS-E-00018102	MT.YASUDA	KI.KAGOTANI	2025.02.14

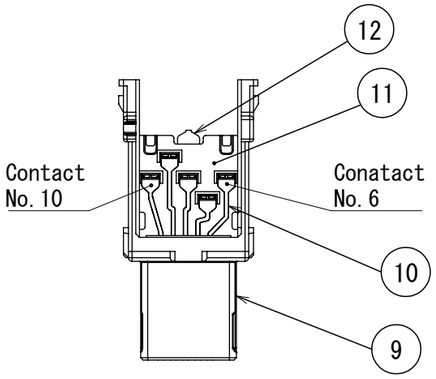
HIROSE ELECTRIC CO.,LTD.

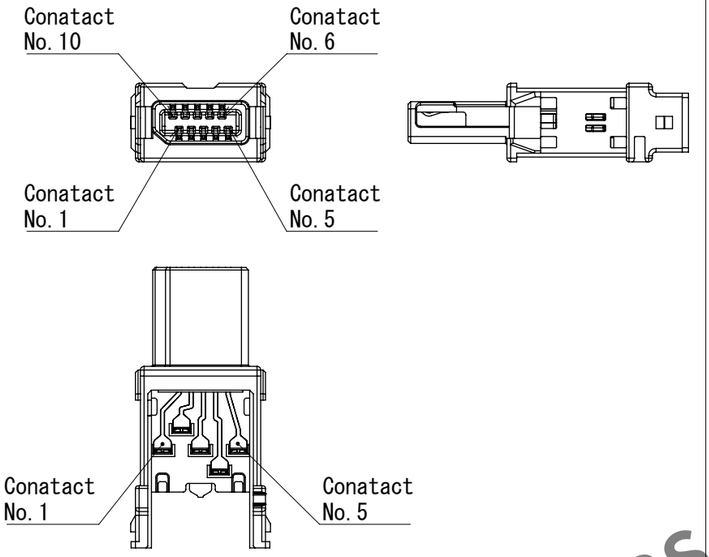
APPROVED	TU.TANIGUCHI	2024.12.13
CHECKED	KI.KAGOTANI	2024.12.13
DESIGNED	MT.YASUDA	2024.12.13
DRAWN	MT.YASUDA	2024.12.13

DRAWING NO.	EDCX-407198-01-00
PART NO.	IX3*GWP-*-*S-CVX(01)
CODE NO.	CL251

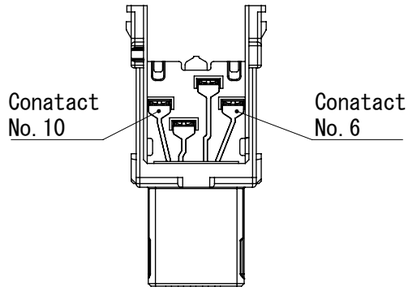
△2 1/3

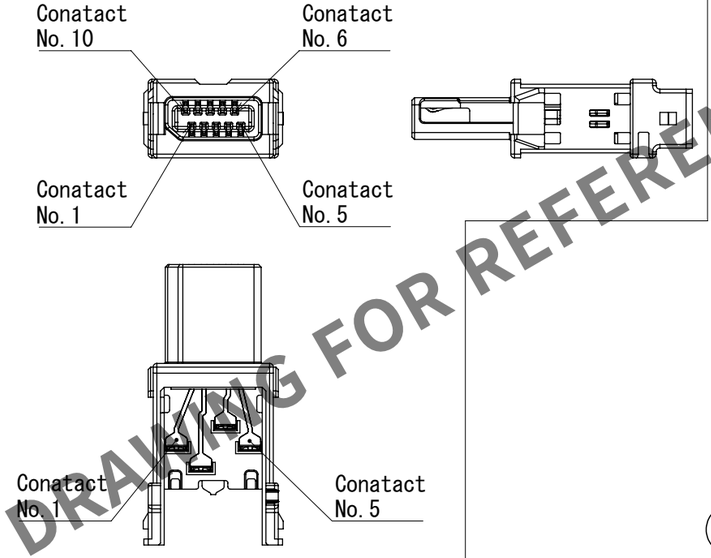
Plug unit(30GWP)



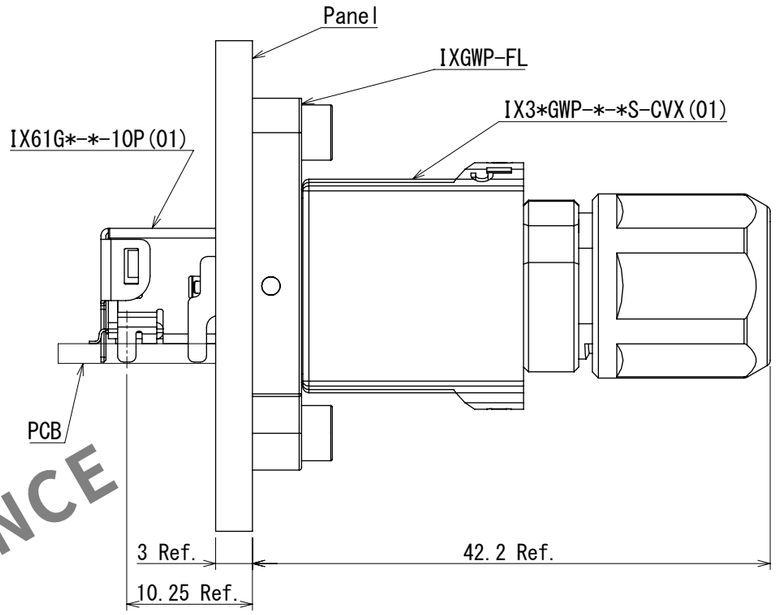


Plug unit(32GWP)

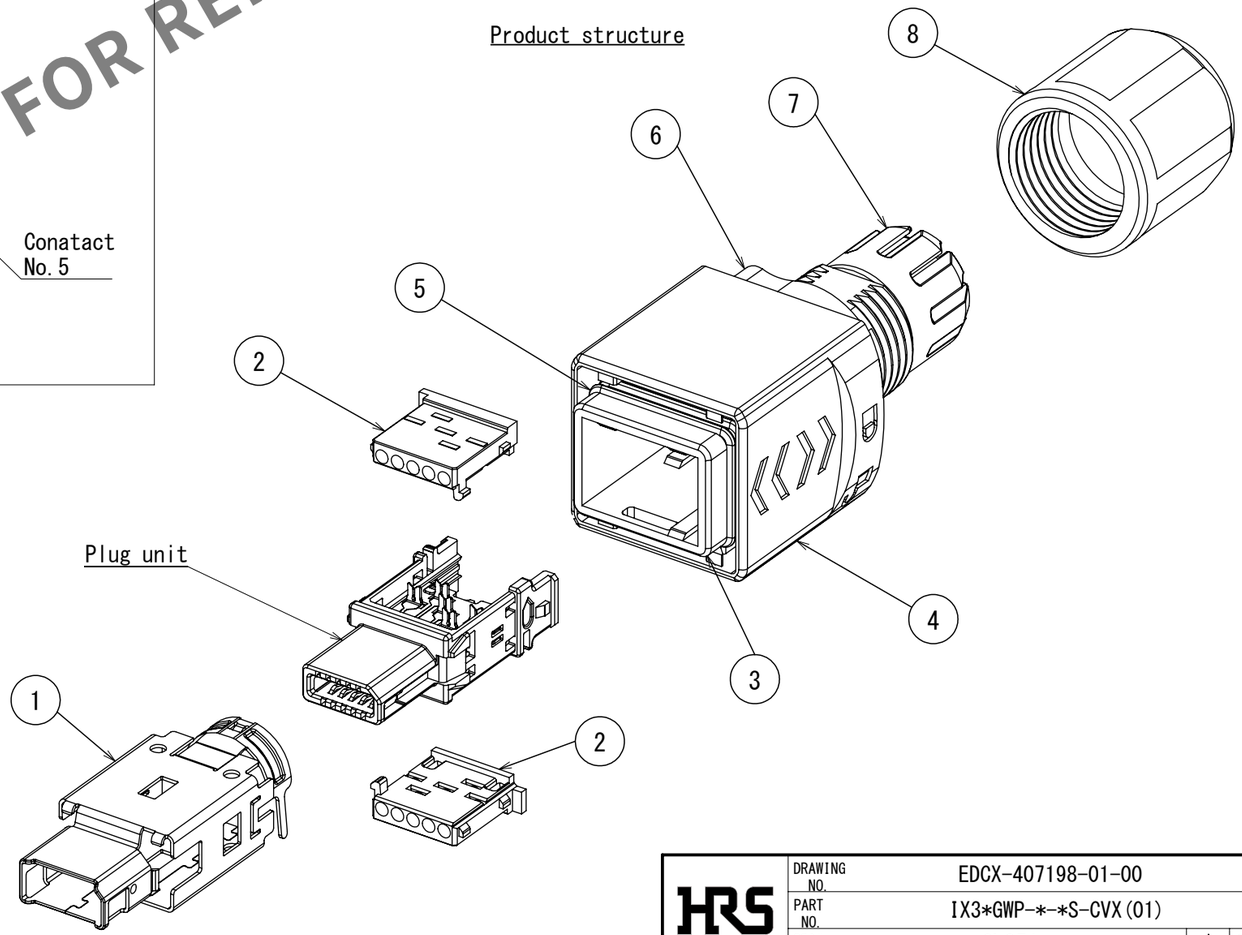




Matin condition (Free)



Product structure



HRS	DRAWING NO.	EDCX-407198-01-00
	PART NO.	IX3*GWP-*-*S-CVX(01)
	CODE NO.	CL251
	△2	2/3

FORM HC0011-5

△2 3. Product Number Structure

IX 30G WP - A - 10 S - CV X (##)
① ② ③ ④ ⑤⑥ ⑦ ⑧ ⑨

①Series Name	IX Series
②Assembly Method	30G : IDC (AWG#26 to 28、Insulator Outer Diameter ø1.2mm Max.) 32G : IDC (AWG#22 to 24、Insulator Outer Diameterø1.6mm Max.)
③Version	WP : Water proof Push-pull
④Mating Key	A : Type A/For Ethenet B : Type B/For except Ethenet
⑤Maximum Number of Usable Positions	10 : 10 pos. 8* : 8 pos.
⑥Contact Gender	S : Female Contact
⑦Plug Cover Cabling Direction	CV : Straight
⑧Applicable Cable Diameter	X : Sheeth Outer Diameter ø5.5 to 7.5mm
⑨Plating Specifications	(01) : Palladium-Nickel Plated+Gold Plated

*Contacts No.3 and 8 do not have a hole to pass the wire through the IDC guide

Applicable Products List

Product Name	HRS No.
IX30GWP-A-10S-CVX(01)	CL0251-0103-0-01
IX30GWP-B-10S-CVX(01)	CL0251-0104-0-01
IX32GWP-A-8S-CVX(01)	CL0251-0105-0-01
IX32GWP-B-8S-CVX(01)	CL0251-0106-0-01

DRAWING NO.	EDCX-407198-01-00
PART NO.	IX3*GWP-*-*S-CVX(01)
CODE NO.	CL251

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