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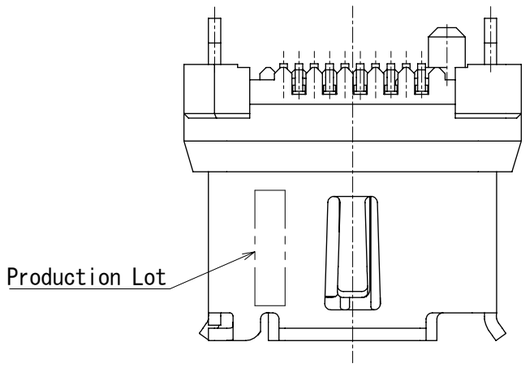
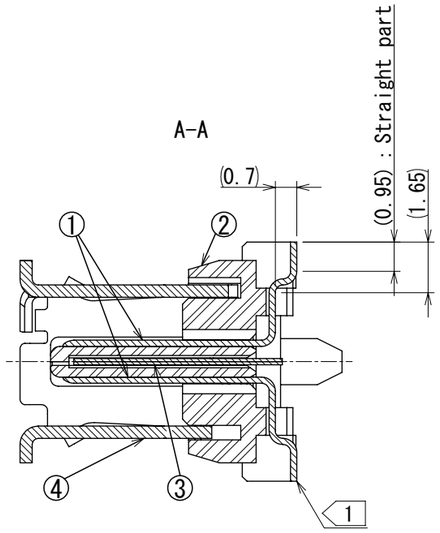




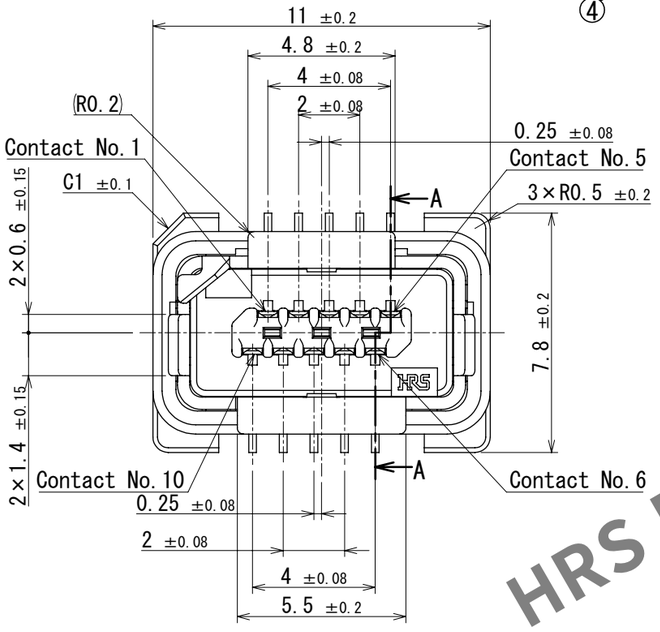
Notes. 1 Co-planarity is within 0.1 mm.

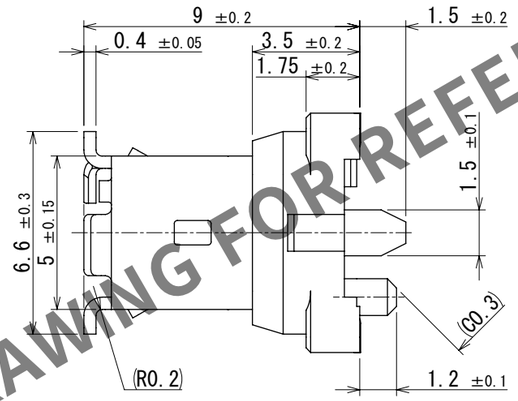
2. As for part No.4 the performance remains good though there might be a difference in the plating luster between each plating lots.

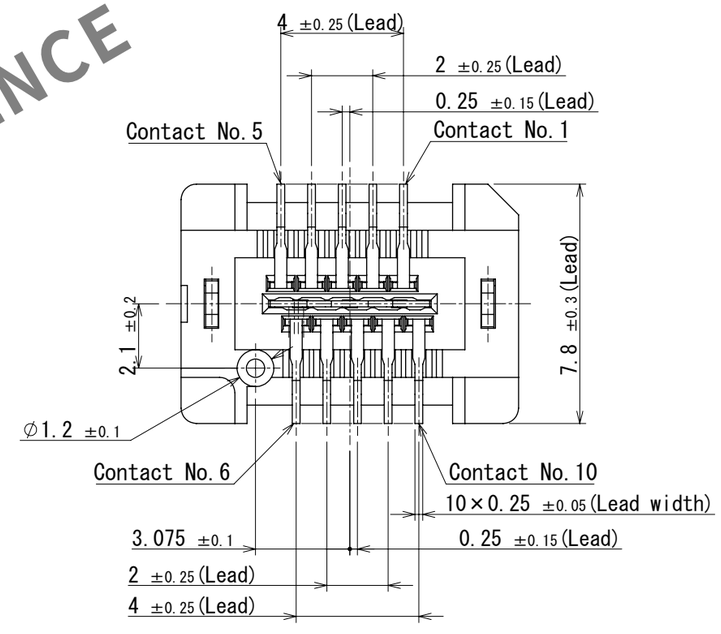
3 Per reel : 450 pcs.
The vacuum cap(part No.5)is attached to this product at delivery.

4 Refer to the mated condition diagram for the panel thickness and layout.

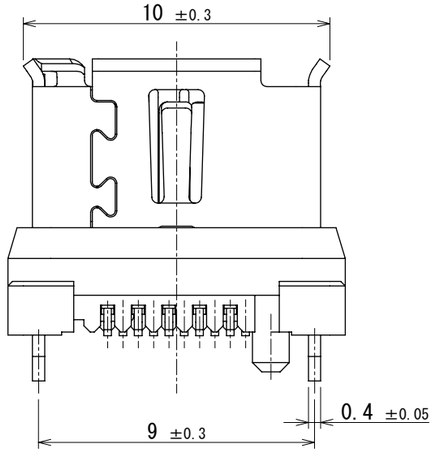
5. This product is mounted by reflow soldering.
Refer to specification sheet ELC-129412-01-00 for reflow soldering.



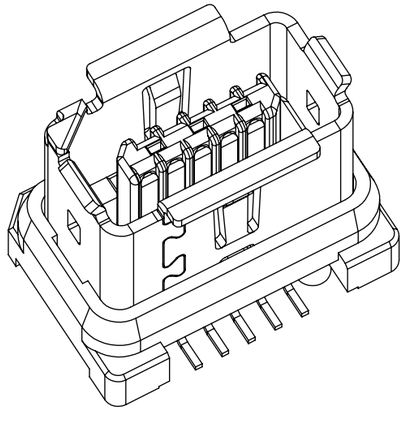




HRS DRAWING FOR REFERENCE



3D image



NO.	MATERIAL	FINISH , REMARKS	NO.	MATERIAL	FINISH , REMARKS
3	Stainless Steel		7	PET 6	
2	PA	Gray、UL94V-0	6	PS	
1	Copper Alloy	Contact area : Palladium-Nickel 0.75μm+Gold 0.05μm min. Lead area : Gold 0.03μm min. Under plating : Nickel 1.27μm min.	5	PA	Black、UL94V-0
			4	Stainless Steel	Surface : Tin 1μm min. Under plating : Nickel 0.2μm min.

UNITS	SCALE		COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
mm	5:1	6	5	DIS-E-00011281	SN. TOYOSHIMA	KI. KAGOTANI	2022.10.04

HIROSE ELECTRIC CO., LTD.

APPROVED	KI. NAGANUMA	2018.06.28	DRAWING NO.	EDC-129412-01-00
CHECKED	KI. NAGANUMA	2018.06.28	PART NO.	IX80G-A-10P(01)
DESIGNED	YS. SAKODA	2018.06.28	CODE NO.	CL0251-0018-0-01
DRAWN	YS. SAKODA	2018.06.28	6	1/3

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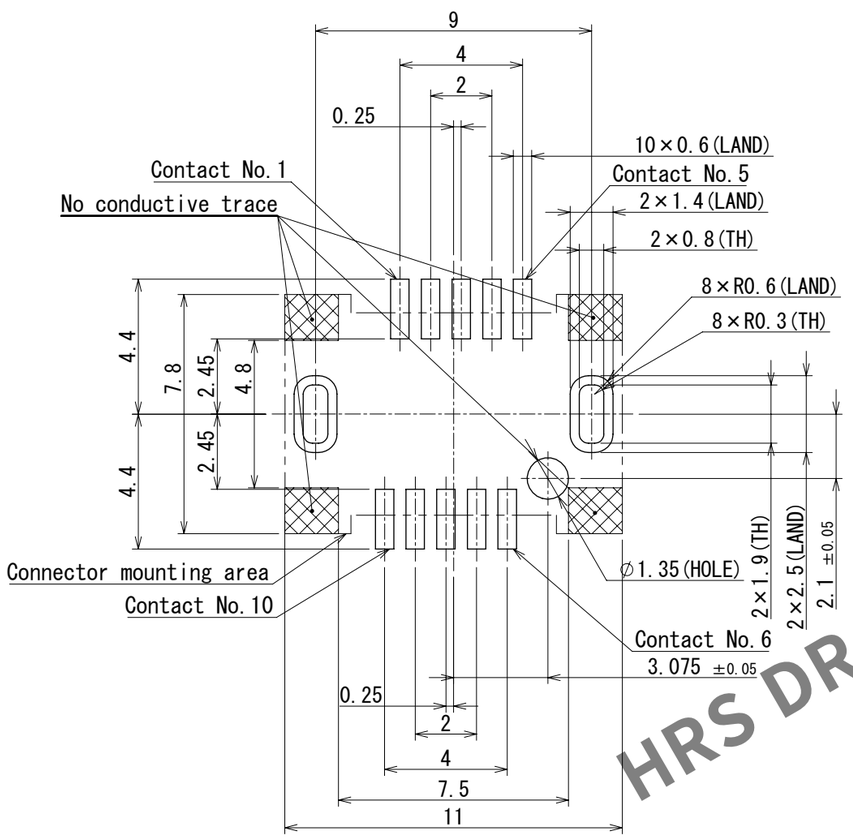
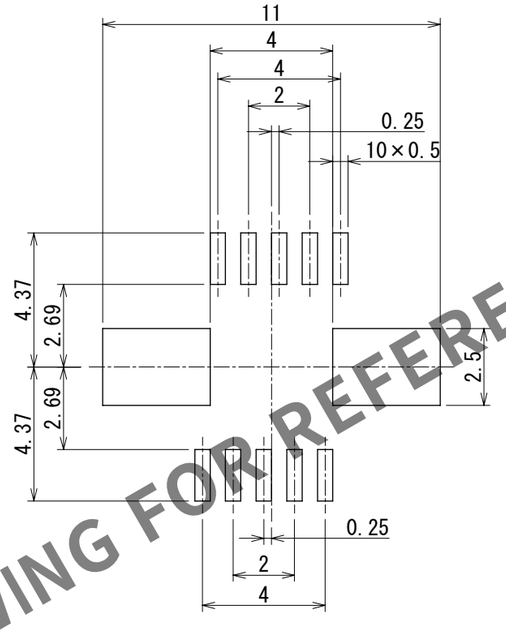
Reference PCB Layout (Connector Mounting Side)(t=1.6)



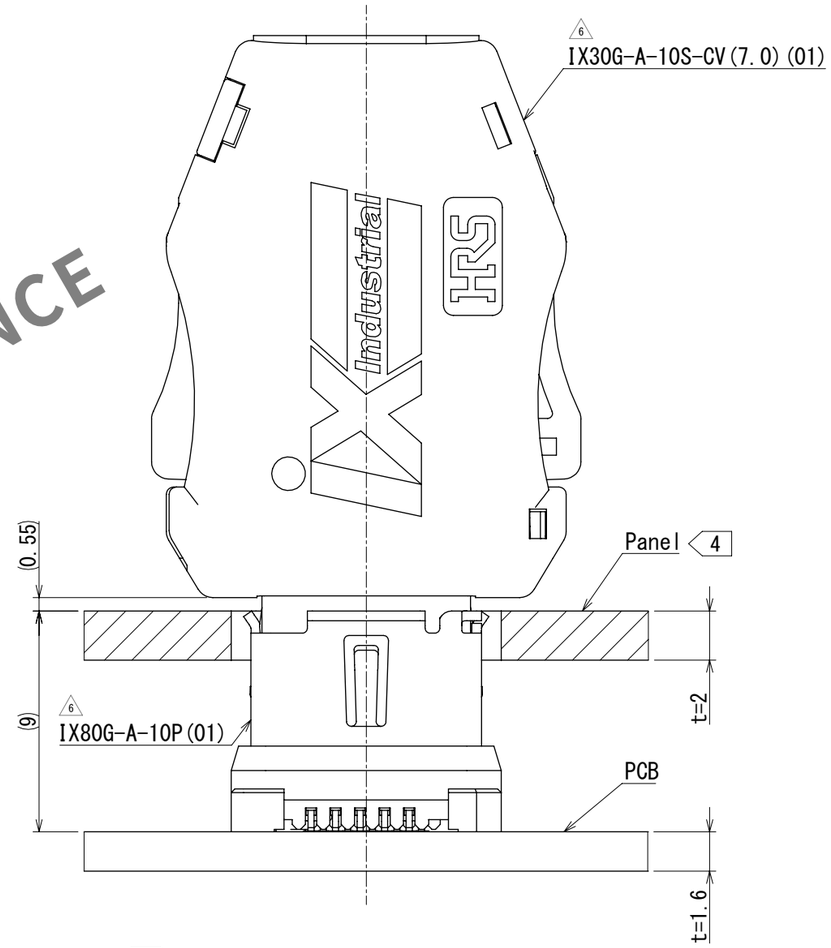
General tolerance is +/- 0.05

6 Reference Metal Mask Layout(t=0.15)

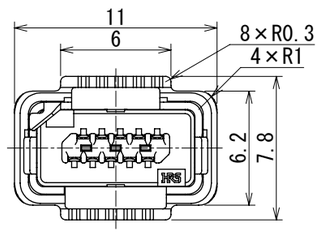


General tolerance is +/- 0.02

Mated Condition(Free)



4 Reference Dimensions of Panel Cutout(Free)



Notes. 6 Thickness of metal mask is 0.1mm min.
Metal mask dimensions of the drawings described, are reference dimensions for 0.15mm thickness metal mask.
Cange the metal mask dimensions by thickness of the metal mask, thickness of PCB, component of solder paste and mounting conditions.
Cange the metal mask dimensions in case of mounting IX80G-*-10P in parallel.
Cange the metal mask dimensions, if there are other mounting parts or implementation pattern around the portion of mounting position of IX80G-*-10P.

HRS DRAWING FOR REFERENCE

HRS	DRAWING NO.	EDC-129412-01-00
	PART NO.	IX80G-A-10P(01)
	CODE NO.	CL0251-0018-0-01 △6 2/3

3D Model File Name:CL0251-0018-0-00

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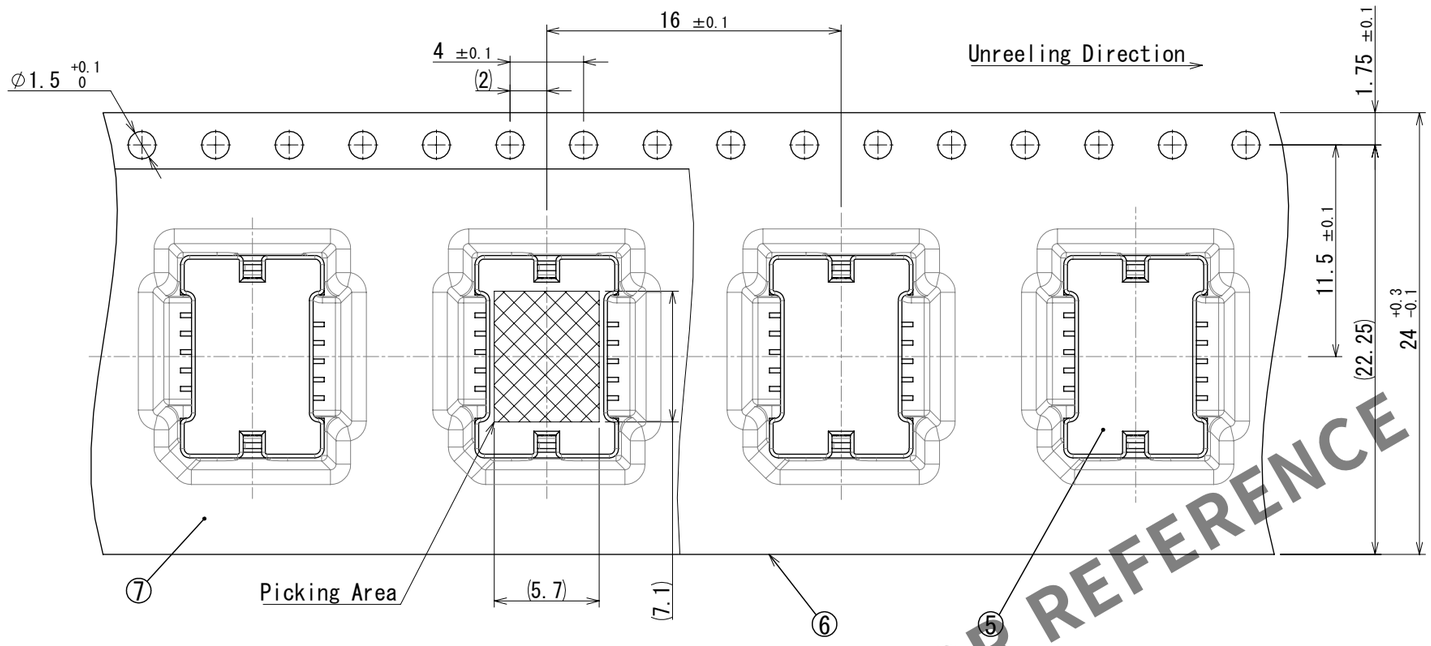
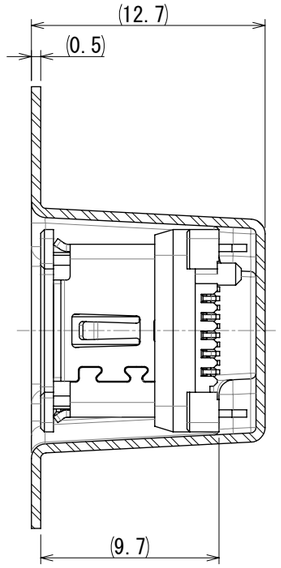
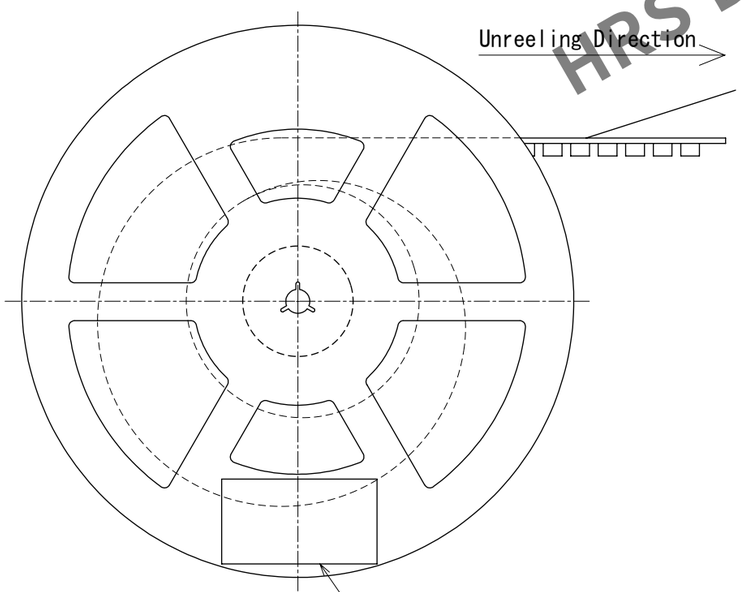
△6 3 Drawing for packing(Free)

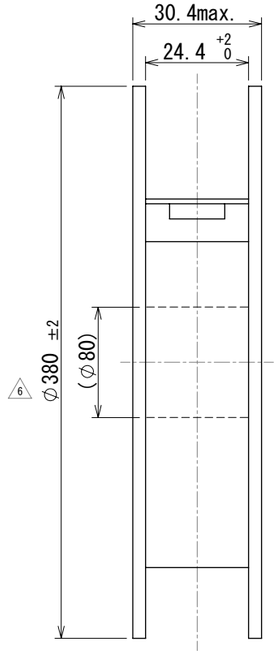




HRS DRAWING FOR REFERENCE

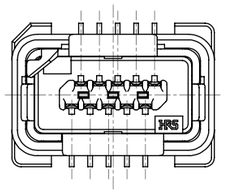
Notes. 7. This product(Type A) is defined for 10/100 Mbit/s and 1/10Gbit/s Ethernet communication. Please use Type B for all other non Ethernet applications like signaling, serial or other industrial bus communication systems.



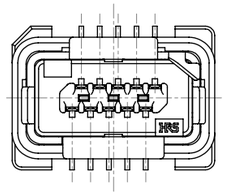


Mating Shape

Type A



Type B



Pin Assignment for 10/100 Mbit/s and 1/10Gbit/s Ethernet

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

DRAWING NO.	EDC-129412-01-00
PART NO.	IX80G-A-10P(01)
CODE NO.	CL0251-0018-0-01 △6 3/3

3D Model File Name:CL0251-0018-0-00