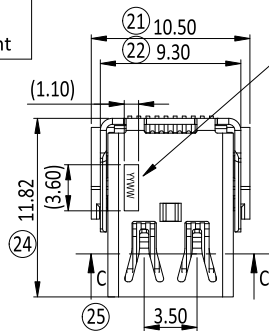
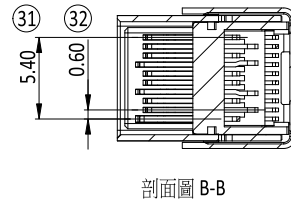
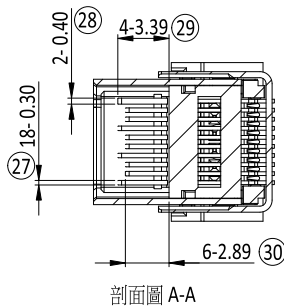


HF
compliant



DATE CODE
WW=WEEK CODE
例如第一周=01
YY=YEAR
例如2011=11



SPECIFICATION

MATERIAL AND FINISH:

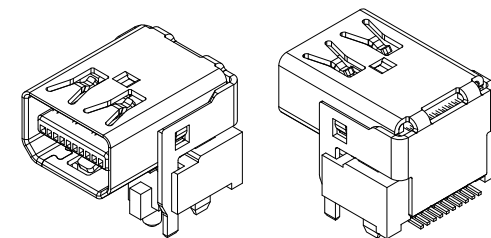
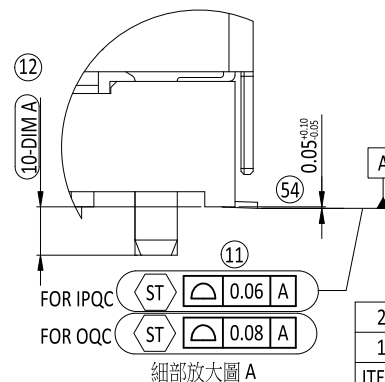
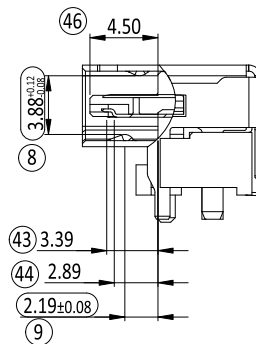
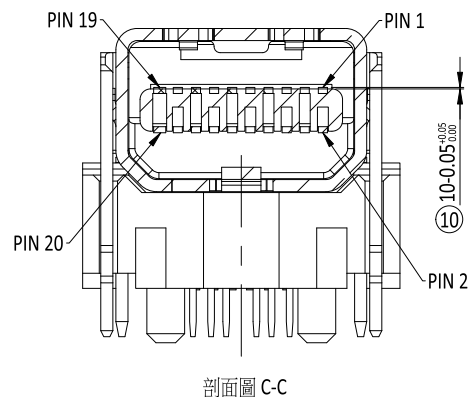
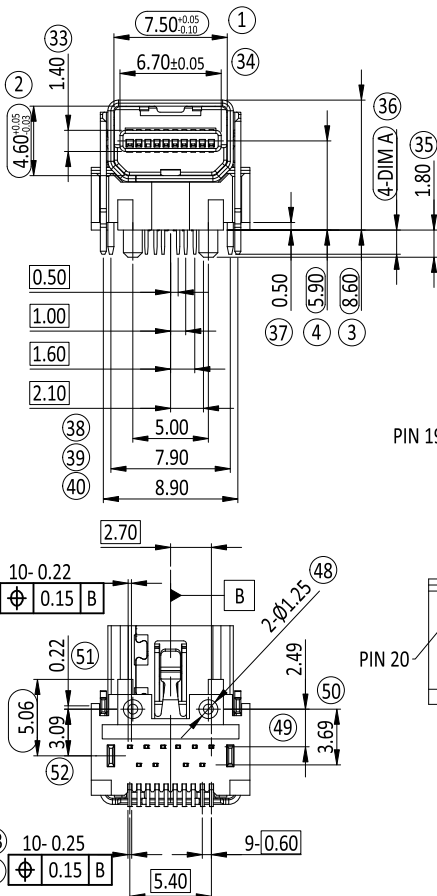
1. INSULATOR: HTNFR52G30NH, RATED UL94V-0, BLACK
2. CONTACTS: COPPER ALLOY
PLATING: UNDERPLATE: 50~150u" NI
CONTACT AREA: 1~30u" AU
SOLDER TAILS AREA: 100~200u" MATTE SN
3. SHELL: SUS304-1/2H, NI PLATED

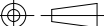
ELECTRICAL CHARACTERISTIC:

1. OPERATION VOLTAGE: 40V AC MAX.
2. CURRENT RATING: 0.5 A MIN.
3. CONTACT RESISTANCE: CONTACT= 30mΩ, SHELL= 50mΩ
4. INSULATION RESISTANCE: UNMATED: 100 MΩ MIN. @ 500V DC
MATED: 10 MΩ MIN. @ 150V DC
5. DIELECTRIC WITHSTANDING VOLTAGE: 500 VAC / MINUTE

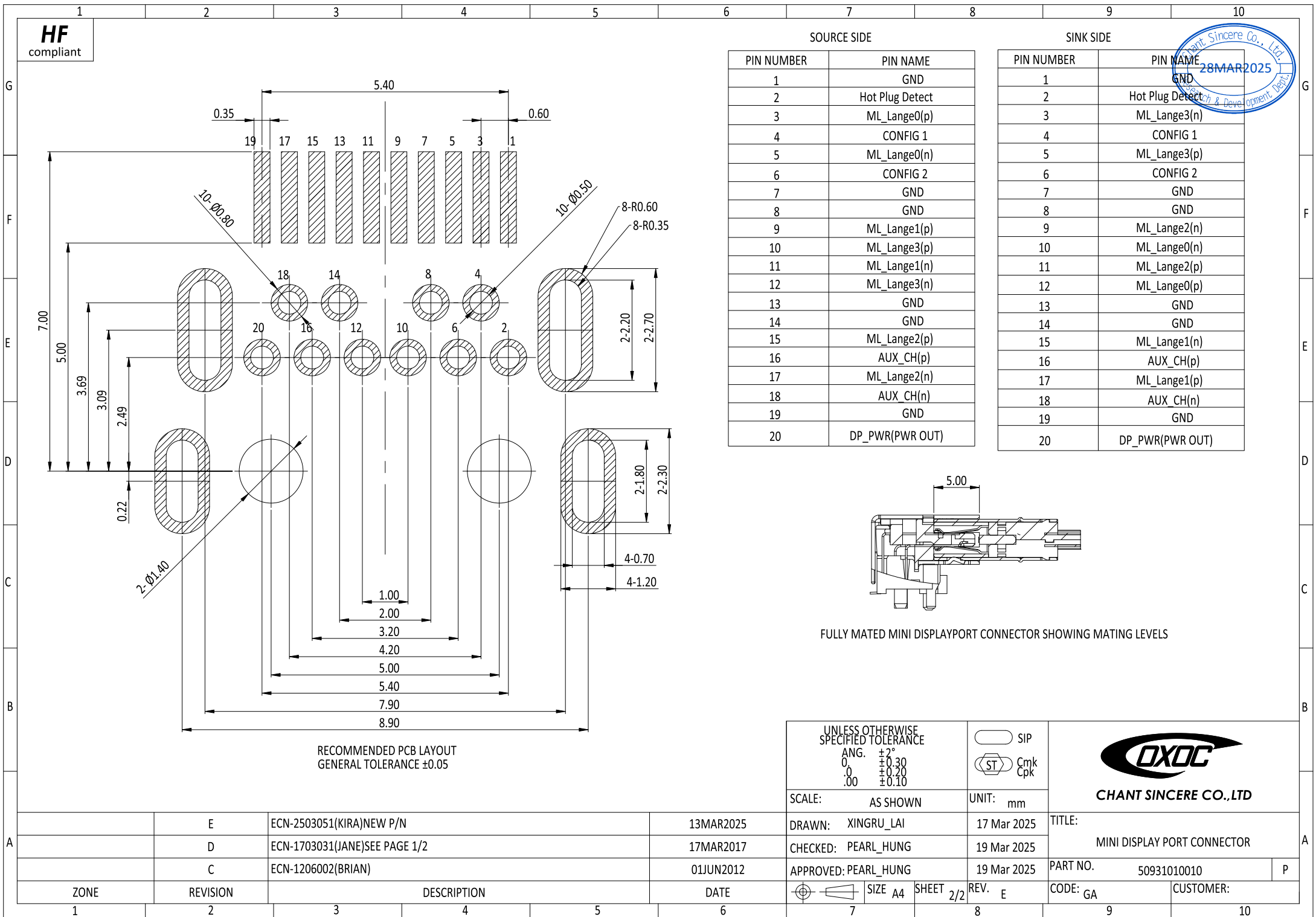
ENVIRONMENT:

1. OPERATING TEMPERATURE RANGE: -20°C TO +85°C



2						
1	50931010010	909JH20FSTC4N3CC	GOLD FLASH/MATTE SN	1.60mm	W/ DATE CODE	
ITEM	NEW P/N	OLD P/N	CONTACT	DIM. A	NOTE	
UNLESS OTHERWISE SPECIFIED TOLERANCE ANG. ±2° 0 ±0.30 .0 ±0.20 .00 ±0.10		 SIP  Cmk Cpk		 CHANT SINCERE CO.,LTD		
SCALE: AS SHOWN		UNIT: mm				
DRAWN: XINGRU_LAI		17 Mar 2025				
CHECKED: PEARL_HUNG		19 Mar 2025				
APPROVED: PEARL_HUNG		19 Mar 2025				
		PART NO. 50931010010				P
		CODE: GA				CUSTOMER:
7		8				9

E	ECN-2503051(KIRA)NEW P/N	13MAR2025
D	ECN-1703031(JANE)	17MAR2017
C	ECN-1206002(BRIAN)	01JUN2012
ZONE	REVISION	DESCRIPTION
1	2	3
4	5	6



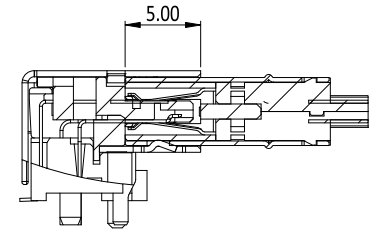
HF
compliant

SOURCE SIDE

PIN NUMBER	PIN NAME
1	GND
2	Hot Plug Detect
3	ML_Lange0(p)
4	CONFIG 1
5	ML_Lange0(n)
6	CONFIG 2
7	GND
8	GND
9	ML_Lange1(p)
10	ML_Lange3(p)
11	ML_Lange1(n)
12	ML_Lange3(n)
13	GND
14	GND
15	ML_Lange2(p)
16	AUX_CH(p)
17	ML_Lange2(n)
18	AUX_CH(n)
19	GND
20	DP_PWR(PWR OUT)

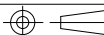
SINK SIDE

PIN NUMBER	PIN NAME
1	GND
2	Hot Plug Detect
3	ML_Lange3(n)
4	CONFIG 1
5	ML_Lange3(p)
6	CONFIG 2
7	GND
8	GND
9	ML_Lange2(n)
10	ML_Lange0(n)
11	ML_Lange2(p)
12	ML_Lange0(p)
13	GND
14	GND
15	ML_Lange1(n)
16	AUX_CH(p)
17	ML_Lange1(p)
18	AUX_CH(n)
19	GND
20	DP_PWR(PWR OUT)



FULLY MATED MINI DISPLAYPORT CONNECTOR SHOWING MATING LEVELS

RECOMMENDED PCB LAYOUT
GENERAL TOLERANCE ±0.05

UNLESS OTHERWISE SPECIFIED TOLERANCE		 SIP		 CHANT SINCERE CO.,LTD		
ANG.	±2°	 Cmk				
0.	±0.30	Cpk				
.0	±0.20					
.00	±0.10					
SCALE: AS SHOWN		UNIT: mm		TITLE: MINI DISPLAY PORT CONNECTOR		
DRAWN: XINGRU_LAI		17 Mar 2025				
CHECKED: PEARL_HUNG		19 Mar 2025				
APPROVED: PEARL_HUNG		19 Mar 2025		PART NO. 50931010010		P
	SIZE A4	SHEET 2/2	REV. E	CODE: GA		CUSTOMER:
7		8		9		10

E		ECN-2503051(KIRA)NEW P/N	13MAR2025
D		ECN-1703031(JANE)SEE PAGE 1/2	17MAR2017
C		ECN-1206002(BRIAN)	01JUN2012
ZONE	REVISION	DESCRIPTION	DATE
1	2	3	4
1	2	3	4