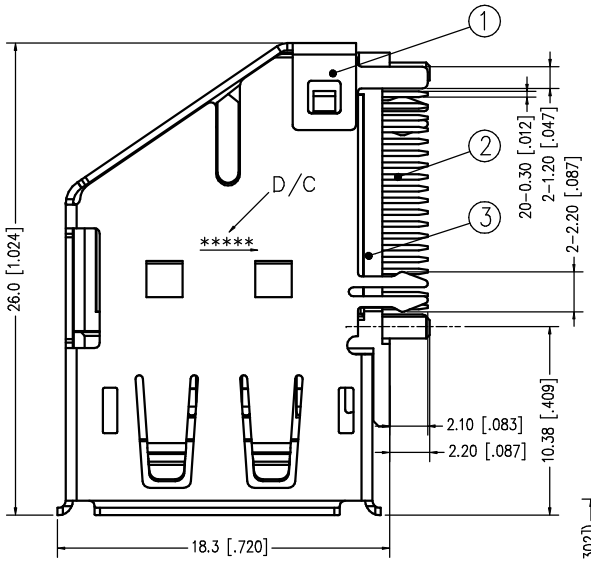
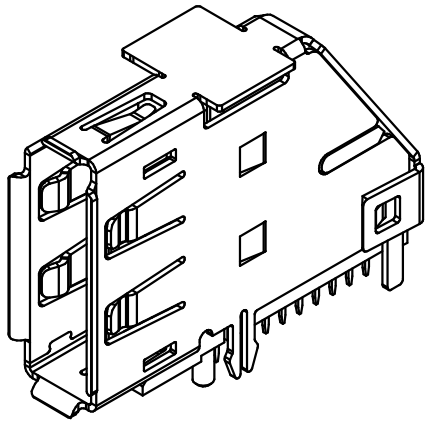
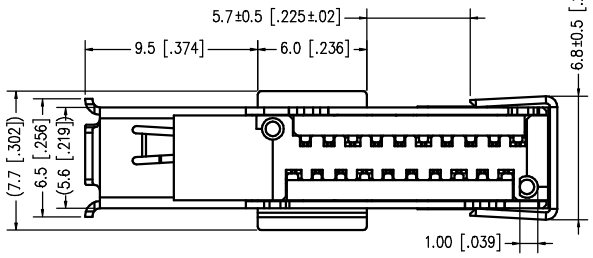
REV.	ECN. NO.	APPD.
A	BC-10-0077123	Corel Zhu
B	BC-11-0016682	Corel Zhu

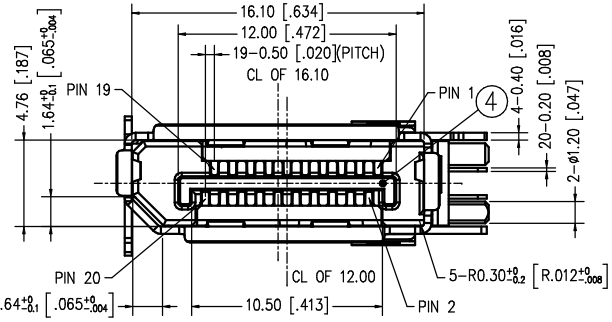






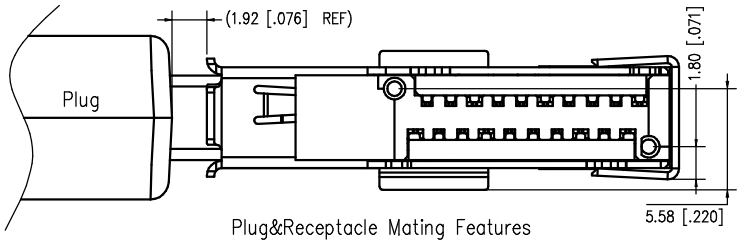
NOTES:

1. ELECTRICAL CHARACTERISTICS:
   - 1-1. CONTACT CURRENT RATING: 0.5A MIN.
     APPLIED VOLTAGE RATING: 40V AC
   - 1-2. CONTACT RESISTANCE:
     CONTACT RESISTANCE: 30 MILLIOHMS MAXIMUM.
     AFTER TEST: CHANGE FROM INITIAL VALUE 30MILLIOHMS MAX.
   - 1-3. SHELL RESISTANCE:
     AFTER TEST: CHANGE FROM INITIAL VALUE 50MILLIOHMS MAX.
   - 1-4. DIELECTRIC WITHSTANDING VOLTAGE: 500V AC RMS.
   - 1-5. INSULATION RESISTANCE:
     UNMATED PLUG: 100 MEGAOHMS MIN. AT 500V DC.
     MATED PLUG: 10 MEGAOHMS MIN. AT 150V DC.
2. MECHANICAL CHARACTERISTICS:
   - 2-1. CONNECTOR MATING FORCE: 4.5Kgf MAX.
   - 2-2. CONNECTOR UNMATING FORCE: 1.0~4.0 Kgf.
   - 2-3. DURABILITY: 10000 CYCLES.
   - 2-4. OPERATING TEMPERATURE RANGE: -40~85°C;
     HUMIDITY: 85% RH MAX.
3. RECOMMENDED PROCESS:
   WAVE SOLDER, PEAK TEMPERATURE 260°C, 10SEC MAX.
4. RoHS COMPLIANT AND HALOGEN-FREE.

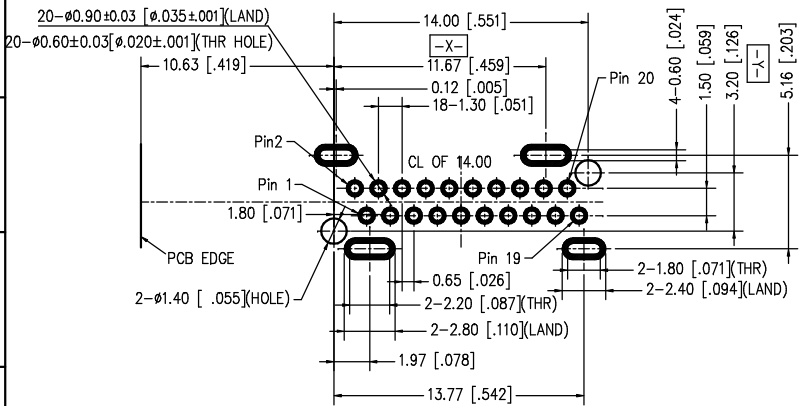


PRODUCT NO.: 3V * * * ** *-****-* *

- DISPLAY PORT SERIES
- PRODUCT SERIES: D: STANDARD TYPE
- TERMINATION TYPE: 2: UPRIGHT T/H
- CONNECTOR TYPE: 1: RECEPTACLE
- NO. OF CONTACT POS.: 20: 20 POS
- CONTACT GOLD PLATING: 3: 30u" GOLD
- EXTENSION CODE
- PACKAGE CODE: 4: SOFT TRAY
- HALOGEN-FREE CODE



Plug&Receptacle Mating Features



RECOMMENDED P.C.B. LAYOUT (COMPONENT SIDE VIEW)

TOL IS ±0.05 THK=1.60 ALL POSITION TOL ⌖ 0.06 X Y

PIN NUMBER	SOURCE-SIDE PIN ASSIGNMENT	SINK-SIDE PIN ASSIGNMENT
1	ML_Lane 0(p)	ML_Lane 3(n)
2	GND	GND
3	ML_Lane 0(n)	ML_Lane 3(p)
4	ML_Lane 1(p)	ML_Lane 2(n)
5	GND	GND
6	ML_Lane 1(n)	ML_Lane 2(p)
7	ML_Lane 2(p)	ML_Lane 1(n)
8	GND	GND
9	ML_Lane 2(n)	ML_Lane 1(p)
10	ML_Lane 3(p)	ML_Lane 0(n)
11	GND	GND
12	ML_Lane 3(n)	ML_Lane 0(p)
13	CONFIG1	CONFIG1
14	CONFIG2	CONFIG2
15	AUX CH (p)	AUX CH (p)
16	GND	GND
17	AUX CH (n)	AUX CH (n)
18	HOT PLUG DETECT	HOT PLUG DETECT
19	RETURN	RETURN
20	DP PWR	DP PWR

ITEM	DESCRIPTION	Q'TY	MATERIAL	REMARK
④	TONGUE	1	HI-TEMPERATURE THERMOPLASTIC UL94V-0	COLOR: BLACK
③	HOUSING	1	HI-TEMPERATURE THERMOPLASTIC UL94V-0	COLOR: BLACK
②	CONTACT	20	COPPER ALLOY	Ni 50u" MIN UNDERPLATING, Au 30u" MIN AT CONTACT AREA, Sn 100u" MIN AT SOLDER AREA
①	SHELL	1	COPPER ALLOY	Ni PLATING OVERALL, Sn 50u" MIN AT SOLDER AREA

X.±	X.°±	UNITS	mm
.X± 0.25 [.010]	.X°±	MAT'L	N/A
.XX± 0.15 [.006]	.XX°±	FINISH	N/A
.XXX±	.XXX°±	Q'TY	N/A

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NAME(INTENDED USE): CUSTOMER

PART NO.(INTENDED USE): 3VD21203-H7U0-4H

APPD: Corel Zhu 02/18'11

CHKD: Sean Han 02/18'11

DR: J.W Zhang 02/18'11

FOXCONN
HON HAI PRECISION IND. CO.,LTD.
TAIPEI, TAIWAN, R.O.C.

TITLE: DISPLAYPORT CONNECTOR

DWG NO.: 301-0000-2318

SCALE	SHEET	REV.
1:1	1/1	B