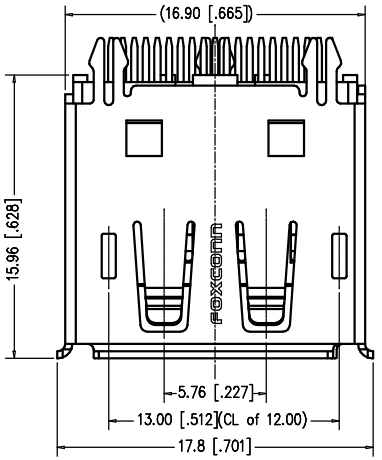
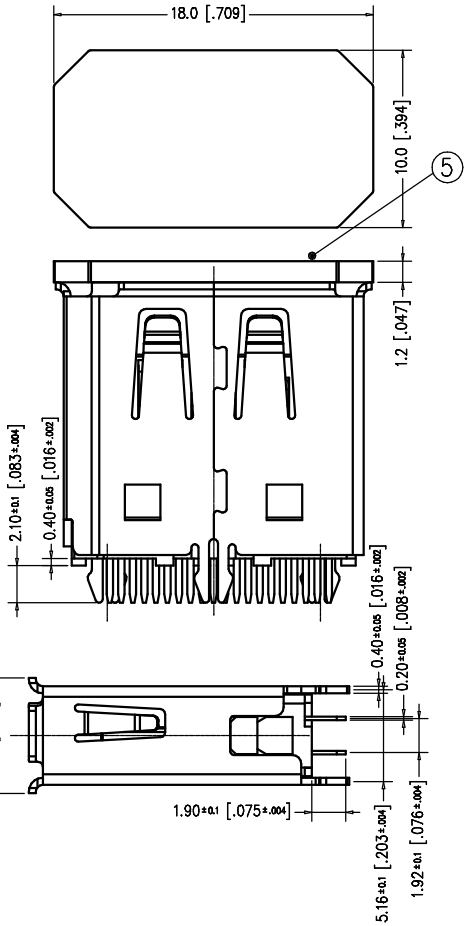
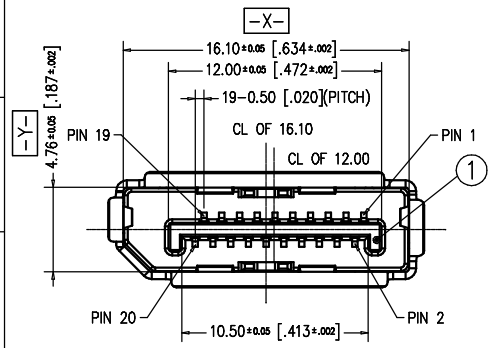
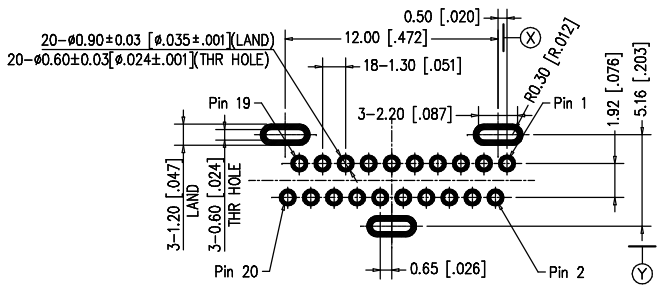
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A	BC-09-7105202	Corel Zhu
B	BC-10-0058251	Corel Zhu
C	BC-11-0046685	Corel Zhu
D	BC-11-0126872	Dean Zhang
E	BC-12-0084235	Dean Zhang
F	BC-13-0036174	Adward Zheng
G	BC-13-0082313	Adward Zheng



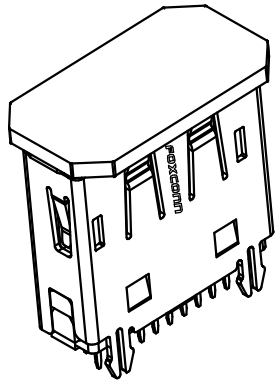






RECOMMENDED P.C.B. LAYOUT (COMPONENT SIDE VIEW)

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



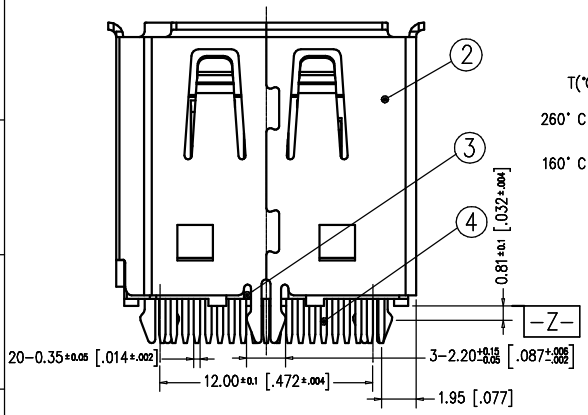
SPECIFICATION:

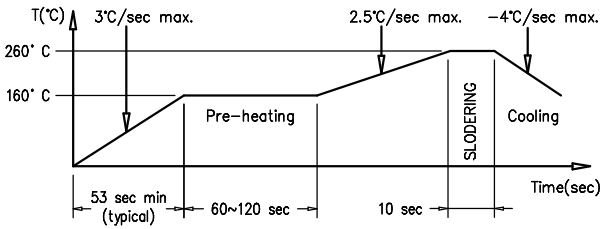
1. ELECTRICAL CHARACTERISTICS:
   - 1-1. CONTACT CURRENT RATING: 0.5A MIN.
     APPLIED VOLTAGE RATING: 40V AC
   - 1-2. CONTACT RESISTANCE:
     CONTACT RESISTANCE: 30 MILLIOHMS MAXIMUM.
     AFTER TEST: CHANGE FROM INITIAL VALUE 30MILLIOHMS MAX.
   - 1-3. SHELL RESISTANCE:
     AFTER TEST: CHANGE FROM 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℃;
     HUMIDITY: 85% RH MAX.
3. RECOMMENDED PROCESS:
   - 3-1. WAVE SOLDER, PEAK TEMPERATURE 270℃, 10SEC MAX.
   - 3-2. IR REFLOW, PEAK TEMPERATURE 260℃, 10SEC MAX.
4. RoHS COMPLIANT AND HALOGEN-FREE.

PRODUCT NO.: 3V * * * ** *_****_* *

- DISPLAY PORT SERIES
- PRODUCT SERIES: D: STANDARD TYPE
- TERMINATION TYPE: 0: VERTICAL T/H
- CONNECTOR TYPE: 1: RECEPTACLE
- NO. OF CONTACT POS.: 20: 20 POS
- CONTACT GOLD PLATING: 1: 1~3u" GOLD FLASH; 3: 30u" MIN GOLD; 7: 15u" MIN GOLD
- EXTENSION CODE
- PACKAGE CODE: 4: TRAY PACKAGE; 9: W/CAP TAPE/REEL PACKAGE
- HALOGEN-FREE CODE

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





IR REFLOW PROFILE

ITEM	DESCRIPTION	Q'TY	MATERIAL	TREATMENT
⑤	CAP	1	THERMOPLASTIC UL94V-0	COLOR: BLACK
④	CONTACT	20	COPPER ALLOY	Ni PLATING UNDER, Au MIN PLATING AT CONTACT AREA, Sn PLATING AT SOLDER AREA
③	SPACER	1	THERMOPLASTIC UL94V-0	COLOR: BLACK
②	SHELL	1	COPPER ALLOY	Ni PLATING OVERALL.
①	HOUSING	1	THERMOPLASTIC UL94V-0	COLOR: BLACK

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): 3VD0120*-H7R0-9H

APPD: Dean Zhang 11/20'13

CHKD: Richard Yu 11/20'13

DR: Zhang jianwen 11/20'13

FOXCONN® FOXCONN INTERCONNECT TECHNOLOGY LIMITED.

CLASS: ☐CONFIDENTIAL ☐SECRET ■GENERAL

TITLE: DISPLAYPORT CONNECTOR

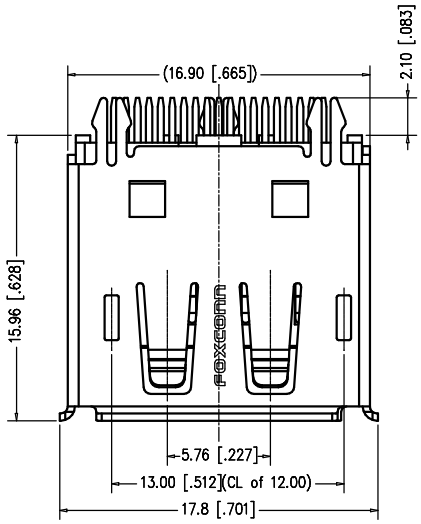
DWG NO.: 303-0000-2225

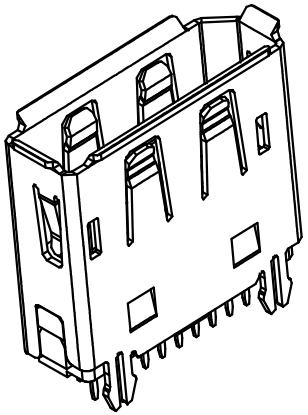
SCALE	SHEET	REV.
N/A	1/2	G

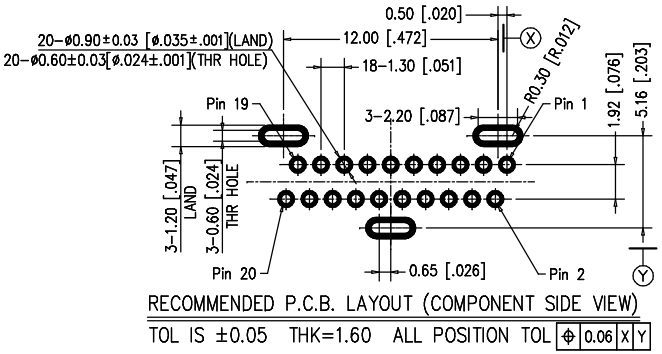
PART NO.	NOTES
3VD0120*-H7R0-9H	TAPE REEL PACKAGE, W/CAP.

REV.	ECN. NO.	APPD.

SEE SHEET 1/2

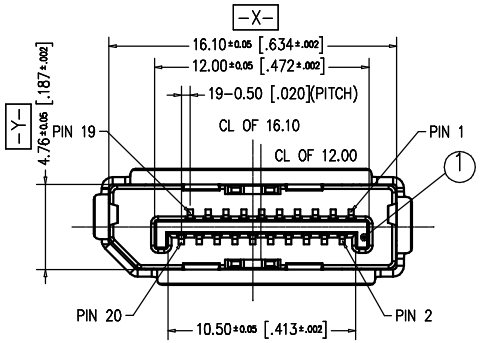


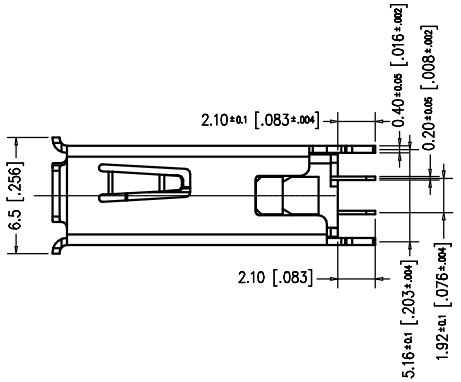


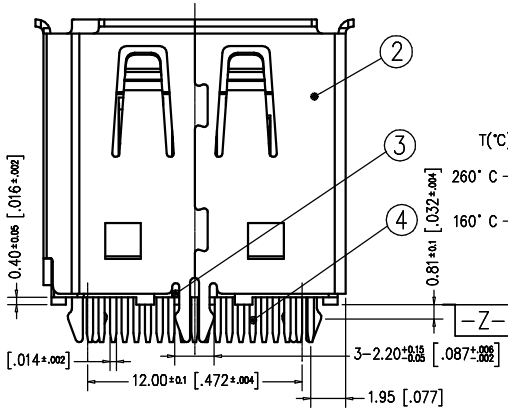


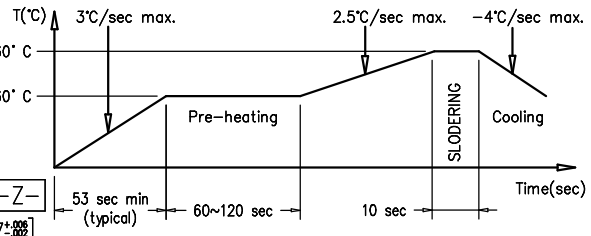
RECOMMENDED P.C.B. LAYOUT (COMPONENT SIDE VIEW)

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









IR REFLOW PROFILE

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     AFTER TEST: CHANGE FROM INITIAL VALUE 30MILLIOHMS MAX.
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   - 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:
   - 3-1. WAVE SOLDER, PEAK TEMPERATURE 270°C, 10SEC MAX.
   - 3-2. IR REFLOW, PEAK TEMPERATURE 260°C, 10SEC MAX.
4. RoHS AND HALOGEN-FREE COMPLIANT.

PRODUCT NO.: 3V * * * ** *_****_* *

- DISPLAY PORT SERIES
- PRODUCT SERIES: D: STANDARD TYPE
- TERMINATION TYPE: 0: VERTICAL T/H
- CONNECTOR TYPE: 1: RECEPTACLE
- NO. OF CONTACT POS.: 20: 20 POS
- CONTACT GOLD PLATING: 1: 1~3u" GOLD FLASH 3: 30u" MIN GOLD 7: 15u" MIN GOLD
- EXTENSION CODE
- PACKAGE CODE: 4: TRAY PACKAGE 9: W/CAP TAPE/REEL PACKAGE
- HALOGEN-FREE CODE

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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	TREATMENT
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②	SHELL	1	COPPER ALLOY	Ni PLATING OVERALL.
①	HOUSING	1	THERMOPLASTIC UL94V-0	COLOR: BLACK

PART NO.	NOTES
3VD01207-H7R0-4H	TRAY PACKAGE, WITHOUT CAP, GOLD FLASH 15u"MIN AT CONTACT AREA
3VD01201-H7R0-4H	TRAY PACKAGE, WITHOUT CAP, GOLD FLASH 1~3u" AT CONTACT AREA
3VD01203-H7R0-4H	TRAY PACKAGE, WITHOUT CAP, GOLD PLATING 30u"MIN AT CONTACT AREA

X.±	X.°±	UNITS mm	NAME(INTENDED USE): CUSTOMER
.X± 0.25 [.010]	.X°±	MAT'L N/A	PART NO.(INTENDED USE): 3VD0120*-H7R0-4H
.XX± 0.15 [.006]	.XX°±	FINISH N/A	APPD: Dean Zhang 11/20'13
.XXX±	.XXX°±	Q'TY N/A	CHKD: Richard Yu 11/20'13
			DR: Zhang jianwen 11/20'13

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CLASS: ☐CONFIDENTIAL ☐SECRET ■GENERAL

TITLE: DISPLAYPORT CONNECTOR

DWG NO.: 303-0000-2225

SCALE	SHEET	REV.
N/A	2/2	G