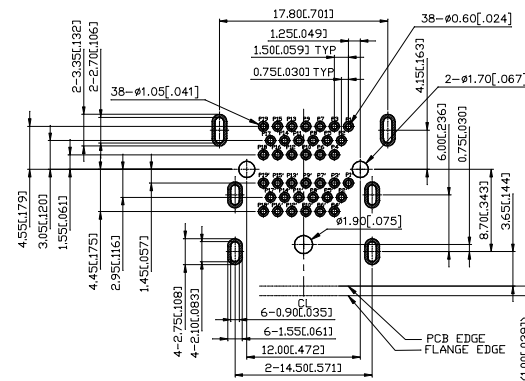
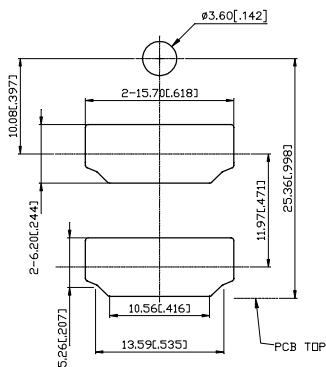
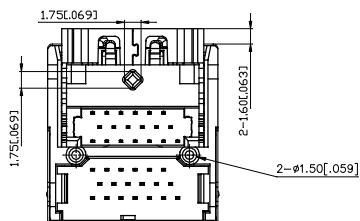
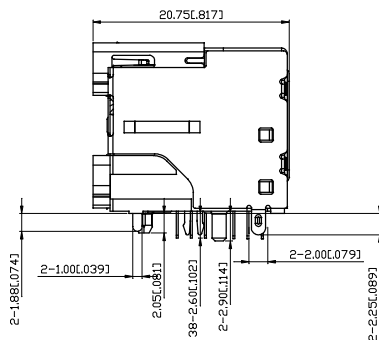
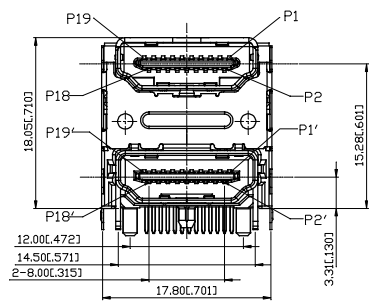
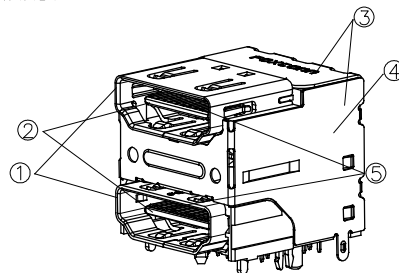
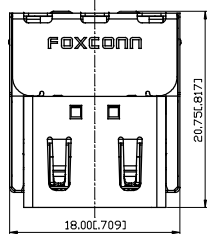
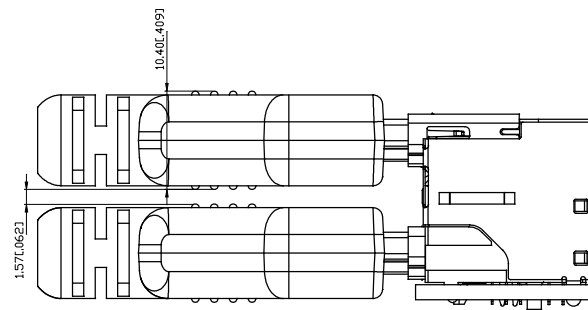


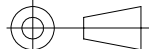
IDEAS GENERATED DRAWING. DON'T CHANGE BY HAND.

REV.	ECN. NO.	APPD.
X1	2014/07/21	Adward



RECOMMENDED PCB LAYOUT (COMPONENT VIEW)
(THICKNESS=1.60mm)



X. ±	X.* ±	UNITS $\frac{mm}{[Inch]}$	NAME (INTENDED USE)	FOXCONN FOXCONN INTERCONNECT TECHNOLOGY LIMITED
.X ± 0.38 [.015]	.X* ±	MAT'L	CUSTOMER	
.XX ± 0.25 [.010]	.XX* ±	N/A	PART NO. (INTENDED USE)	CLASS: ☐ CONFIDENTIAL ☐ SECRET ☒ GENERAL
.XXX ±	.XXX* ±	FINISH	QJ1119*-DF B2-4H	Dual HDMI TITLE: RECEPTACLE CONNECTOR
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Q'TY			CHKD: F.H Shu 07/21'14	
N/A			DRAW: L.L Zhao 07/21'14	
				SCALE N/A
				SHEET 1/2
				REV. X1

IDEAS GENERATED DRAWING. DON'T CHANGE BY HAND.

NOTES:

1. ELECTRICAL CHARACTERISTICS:

1-1. CONTACT CURRENT RATING: 0.5A MIN.

RATED VOLTAGE: 40V AC

1-2. CONTACT RESISTANCE:

EXCLUDING CONDUCTOR RESISTANCE 30mOHMS MAX.

AFTER TEST: CHANGE FROM INITIAL VALUE 30 mOHMS MAX.

1-4. DIELECTRIC WITHSTANDING VOLTAGE: 500V AC RMS.

1-5. INSULATION RESISTANCE:

UNMATED PLUG: 100 MOHMS MIN. AT 500V DC.

MATED PLUG: 10 MOHMS MIN. AT 150V DC.
2. MECHANICAL CHARACTERISTICS:

2-1. CONNECTOR MATING FORCE: 4.5Kg_f MAX.

2-2. CONNECTOR UNMATING FORCE: 1.0~4.0 Kg_f.

2-3. DURABILITY: 10000 CYCLES.

2-4. OPERATING TEMPERATURE RANGE:-40~+85°C; HUMIDITY: 85% RH MAX.
3. RECOMMENDED PCB THICKNESS: 1.60±0.05 [0.63±0.02].
4. RECOMMENDED PCB LAYOUT DIMENSION TOLERANCE ±0.05 [0.02].
5. RECOMMENDED PROCESS: WAVE SOLDER, PEAK TEMP. 260°C, 3~5 SEC.
6. THE CONNECTOR IS ROHS COMPLIANT.

PRODUCT NO.: QJ 1 1 1 9 * - DFB2 - 4*

HDMI Conn. _____

High Definition Media Interface

Termination Type _____

1=Right Angle, T/H

Connector Type _____

1=Receptacle

No. of Contact Position _____

19=19pin

Contact Area Plating _____

1=Gold Flash Plating

3=Gold Plating 30u"

7=15u" Gold Plating

Lead Free Code

F=Lead Free

H=Halogen Free

Package Code

4 = Soft Tray

Extension Code

PIN ASSIGNMENTS			
PIN NO.	SIGNAL NAME	PIN NO.	SIGNAL NAME
P1(P1')	TMDS DATA2+	P2(P2')	TMDS DATA2 SHIELD
P3(P3')	TMDS DATA2-	P4(P4')	TMDS DATA1+
P5(P5')	TMDS DATA1 SHIELD	P6(P6')	TMDS DATA1-
P7(P7')	TMDS DATA0+	P8(P8')	TMDS DATA0 SHIELD
P9(P9')	TMDS DATA0-	P10(P10')	TMDS CLOCK+
P11(P11')	TMDS CLOCK SHIELD	P12(P12')	TMDS CLOCK-
P13(P13')	CEC	P14(P14')	RESERVED (N.C. ON DEVICE)
P15(P15')	SCL	P16(P16')	SDA
P17(P17')	DDC/CEC GROUND	P18(P18')	+5V POWER
P19(P19')	HOT PLUG DETECT		

5	CONTACT	38	COPPER ALLOY	NI UNDERPLATING, Au AT CONTACT AREA, Sn AT SOLDER AREA	
4	SPACER	3	THERMOPLASTIC UL 94V-0	COLOR: BLACK	
3	SHIELD	2	METAL	NI UNDERPLATING Sn AT SOLDER AREA	
2	HOUSING	2	THERMOPLASTIC UL 94V-0	COLOR: BLACK	
1	SHELL	2	COPPER ALLOY	NI UNDERPLATING, Sn AT SOLDER AREA	
ITEM	DESCRIPTION	QTY	MATERIAL	FINISH	REMARK

X. ±	X.° ±	UNITS _{mm} [Inch]	NAME (INTENDED USE)	FOXCONN			
.X ± _{0.38} [0.15]	.X° ±	MAT'L N/A	CUSTOMER	FOXCONN INTERCONNECT TECHNOLOGY LIMITED			
.XX ± _{0.25} [0.10]	.XX° ±			CLASS: ☐ CONFIDENTIAL ☐ SECRET ☒ GENERAL			
.XXX ±	.XXX° ±	FINISH N/A	PART NO. (INTENDED USE) QJ1119*-DFB2-4H	TITLE: HDMI RECEPTACLE WITH FLANGE TYPE A 19 PIN			
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			CHKD: F.H Shu 07/21'14		SCALE N/A	SHEET 2/2	REV. X1
			DRAW: L.L Zhao 07/21'14				