

NOTES:

1. ELECTRICAL CHARACTERISTICS:

1.1 CONNECTOR RATED CURRENT: 20A &30°C MAX. ΔT OVER AMBIENT.
RATED VOLTAGE: 20V DC.

1.2 INSULATION RESISTANCE:

100 MOHMS MIN. INITIAL/50 MOHMS MIN.AFTER HUMIDITY TEST.
APPLY 500V DC MATED AND UNMATED CONN.

1.3 DIELECTRIC WITHSTANDING VOLTAGE:

CURRENT LEAKAGE:0.5mA MAX.
APPLY 500V AC RMS AT SEA LEVEL CONTACT TO CONTACT.

1.4 CONTACT RESISTANCE:

30 mOHMS MAX. AFTER 5000 CYCLES: ΔR<20 mOHMS MAX..

2. MECHANICAL CHARACTERISTICS:

2.1 INSERTION FORCE: 3.0~30.0N;EXTRACTION FORCE: 3.0~30.0N.

2.2 DURABILITY(INSERTION/EXTRACTION CYCLES):10000 CYCLES.

3. OPERATING TEMPERATURE RANGE: -40°C~85°C.

4. HUMIDITY: 85% RH MAX.

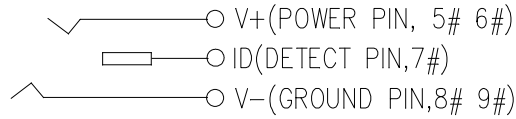
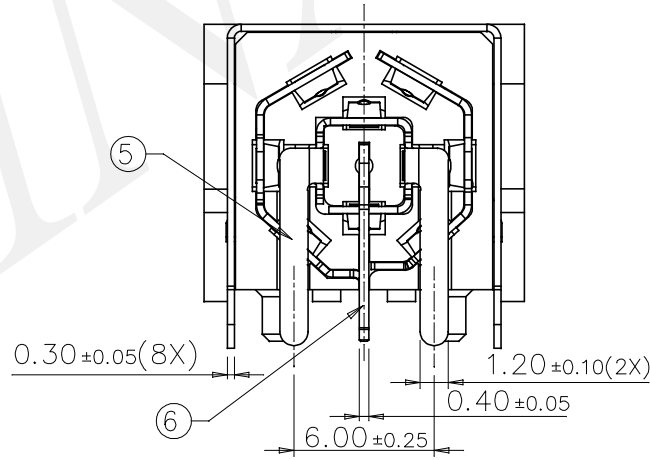
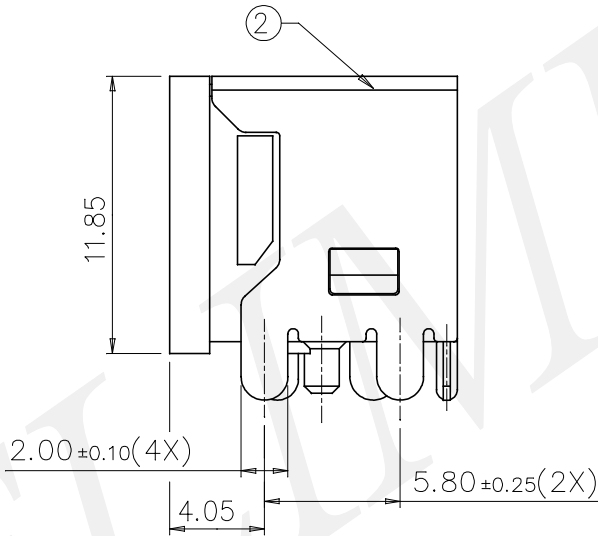
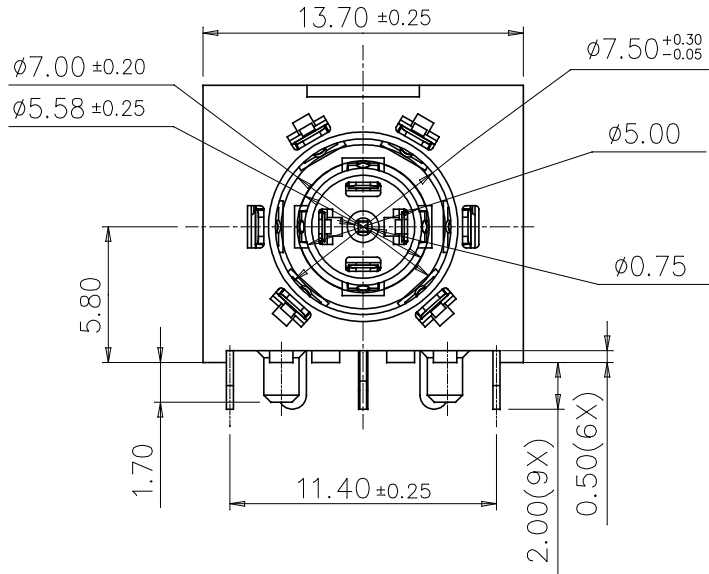
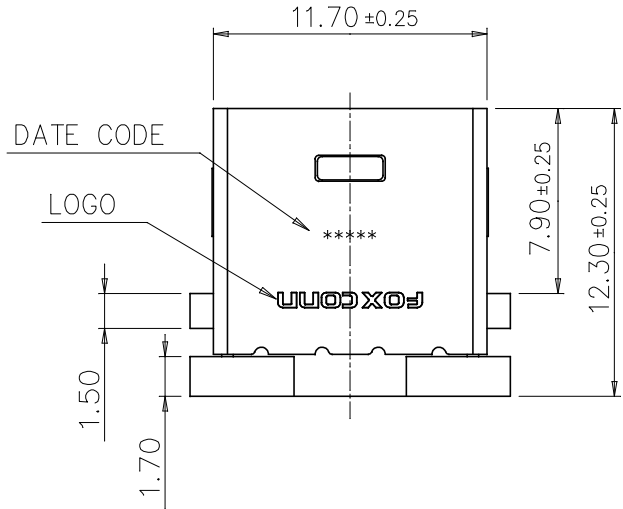
5. P.C.B. LAYOUT DRAWING DIMENSION:DEFAULT TOLERANCE: ±0.05mm.

6. RECOMMENDED P.C.B. THICKNESS:1.60±0.05mm.

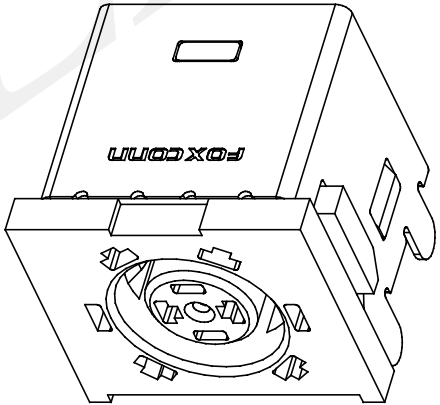
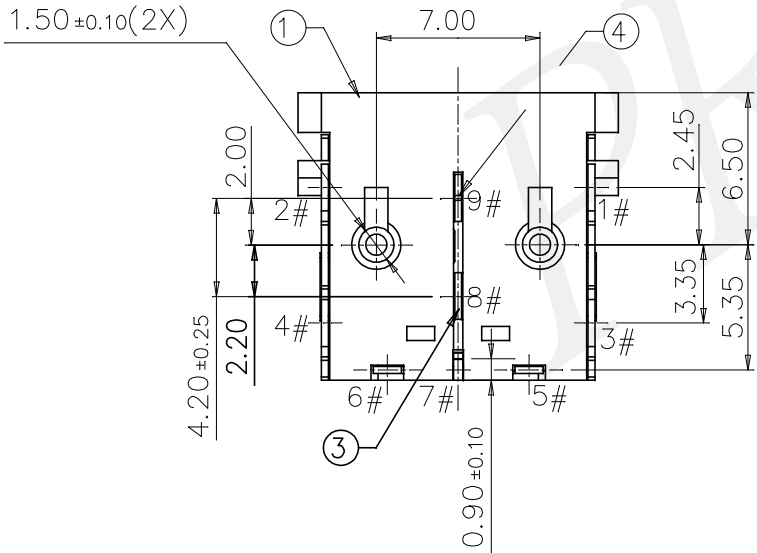
7. PLEASE CONTACT FOXCONN SALES REPRESENTATIVERIFY PRODUCT DETAILS & AVAILABILITY.

8. RECOMMEND STORE TIME:LESS THAN THREE MONGTHS.

REV.	ECN. NO.	APPD.
A	BC-08-7150844	Joel
B	BC-09-7097881	C.S. Li
C	BC-10-0041955	C.S. Li
D	BC-10-0088954	C.S. Li
E	BC-11-0012585	C.S. Li
F	BC-13-0055276	Shih-Wei Hsiao
FX10	20171129	Shih-Wei Hsiao
FX11	20180308	Shih-Wei Hsiao
FX12	20190116	Shih-Wei Hsiao

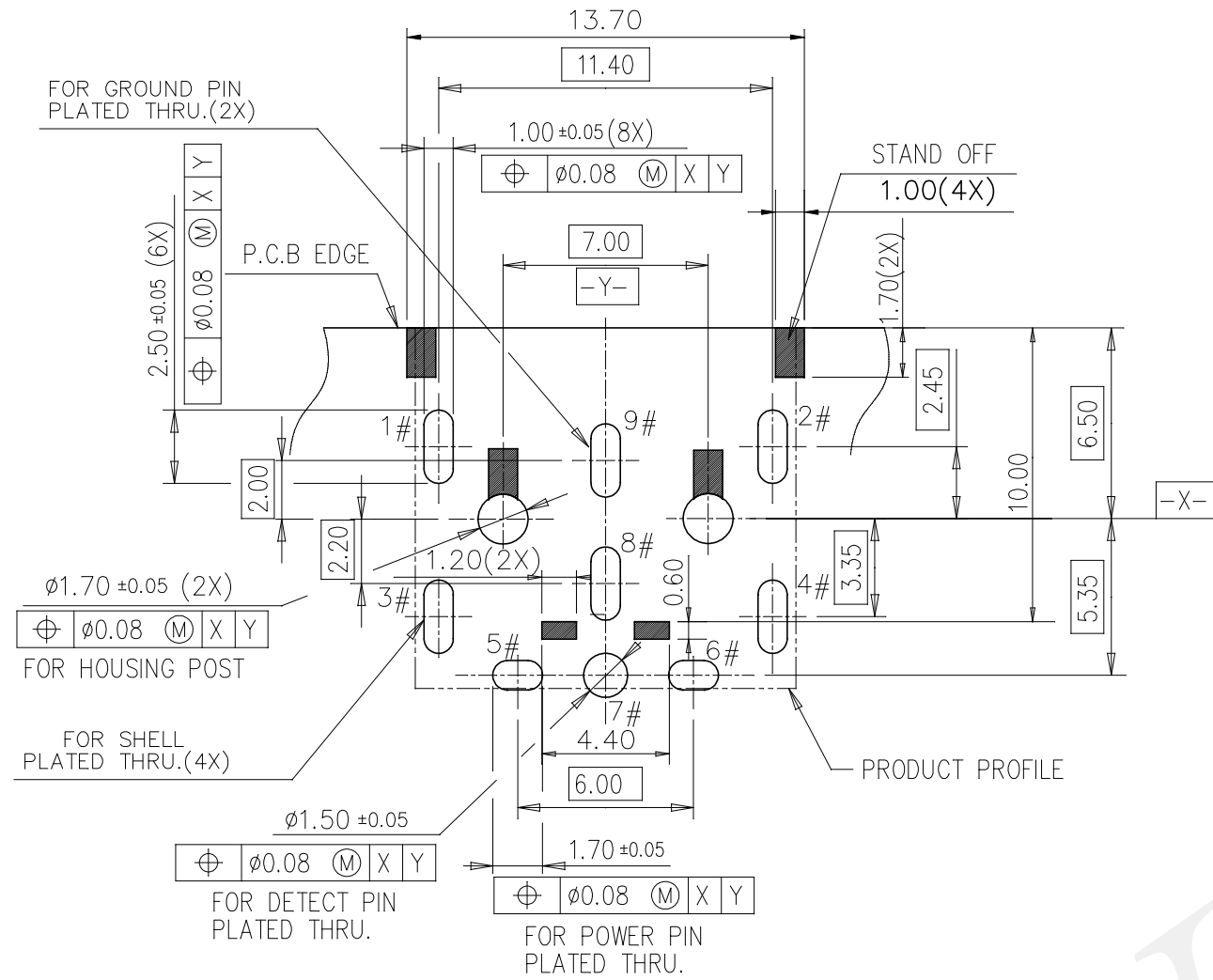


CIRCUIT DIAGRAM



6	DETECT PIN	1	BRASS(C2680)	50u" NICKEL UNDER PLATING OVERALL 40u" Pd/Ni+1~5u"GOLD PLATING ON COTACT AREA(JPD113D-DB570-*) . 1u"GOLD PLATING ON COTACT AREA(JPD113I-DB570-*) . 1u"Au PLATING AT THE TAIL AREA
5	POWER PIN	1	CUPRO-NICKEL(C7025)	
4	GROUND PIN 2	1	CUPRO-NICKEL(C7025)	
3	GROUND PIN 1	1	CUPRO-NICKEL(C7025)	
2	SHELL	1	METAL(SUS430)	50u" NICKEL UNDER PLATING OVERALL 100u"BRIGHT TIN PLATING AT THE TAIL AREA
1	HOUSING	1	HI-TEMP THERMOPLASTIC UL 94V-0 JPD113*-DB570-7H: LCP JPD113*-DB570-7F: PA9T	MOLDED COLOR:BLACK

ITEM	DESC.	Q'TY	MATERIAL	TREATMENT
X. ±	X. ° ±	UNITS	mm	NAME(INTENDED USE)
.X ± 0.38	.X ° ±	MAT'L		POWER JACK CONNECTOR
.XX ± 0.25	.XX ° ±			PART NO.(INTENDED USE)
.XXX ±	.XXX ° ±	FINISH		JPD113*-DB570-7*
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				CHKD: Yen-chih Chang
				DRAW: Elvis Zhao
				01/16'19
				SCALE SHEET REV.
				N/A 1/4 FX12



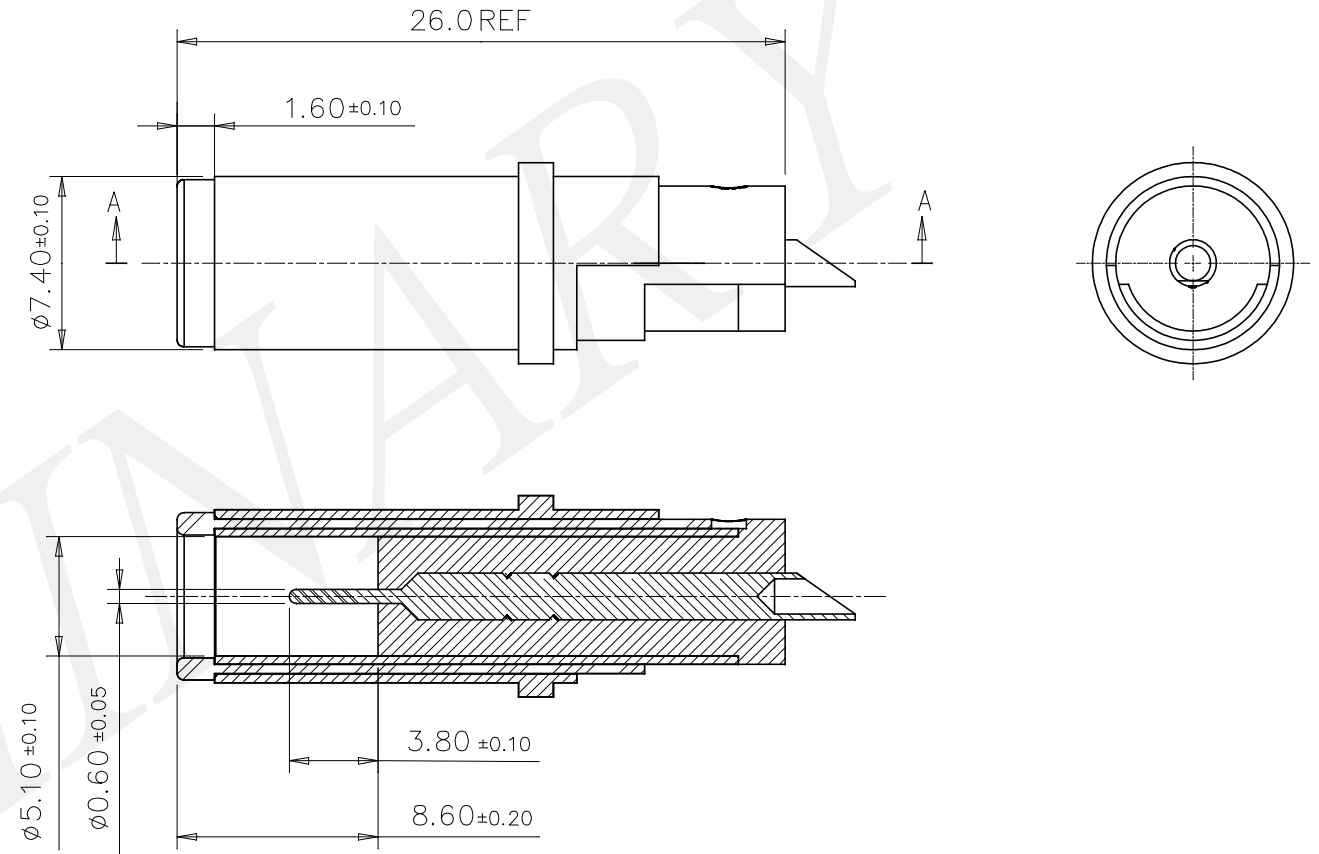
RECOMMENDED P.C.B. LAYOUT(TOP VIEW)

P.C.B. THICKNESS: $1.60 \pm 0.05\text{mm}$
(TOLERANCE: $\pm 0.05\text{mm}$)

PART NO. MATRIX:

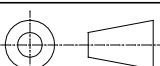
Diagram illustrating the pin assignment and coding for the connector, showing the relationship between the pin number and the corresponding code/parameter.

Pin Number	Code / Parameter	Description / Value
JP	JACK SERIES	JP=POWER JACK
D	POWER TYPE	D=DC
1	TERMINATOR TYPE	1=R/A THROUGH HOLE
1	CONTACT DESIGN TYPE	1=FEMALE
3	NO. OF CONTACT POSITION	3=3Pos.
*	F	F=LEAD FREE
-	H	H=HALOGEN FREE
D	7	7=TAPE&REEL PACKING
B	SERIAL NO.	
5	CENTER PIN DIAMETER	7=7.**mm
7	CENTER LINE HEIGHT	5=5.XX mm
0	PLASTIC COLOR	B=BLACK
-	D	D="D" TYPE(DETECT PIN)
7	CONTACT AREA PLATING	*=D:40u" Pd/Ni+1~5u" GOLD PLATING
*		*=1:1u"MIN GOLD PLATING



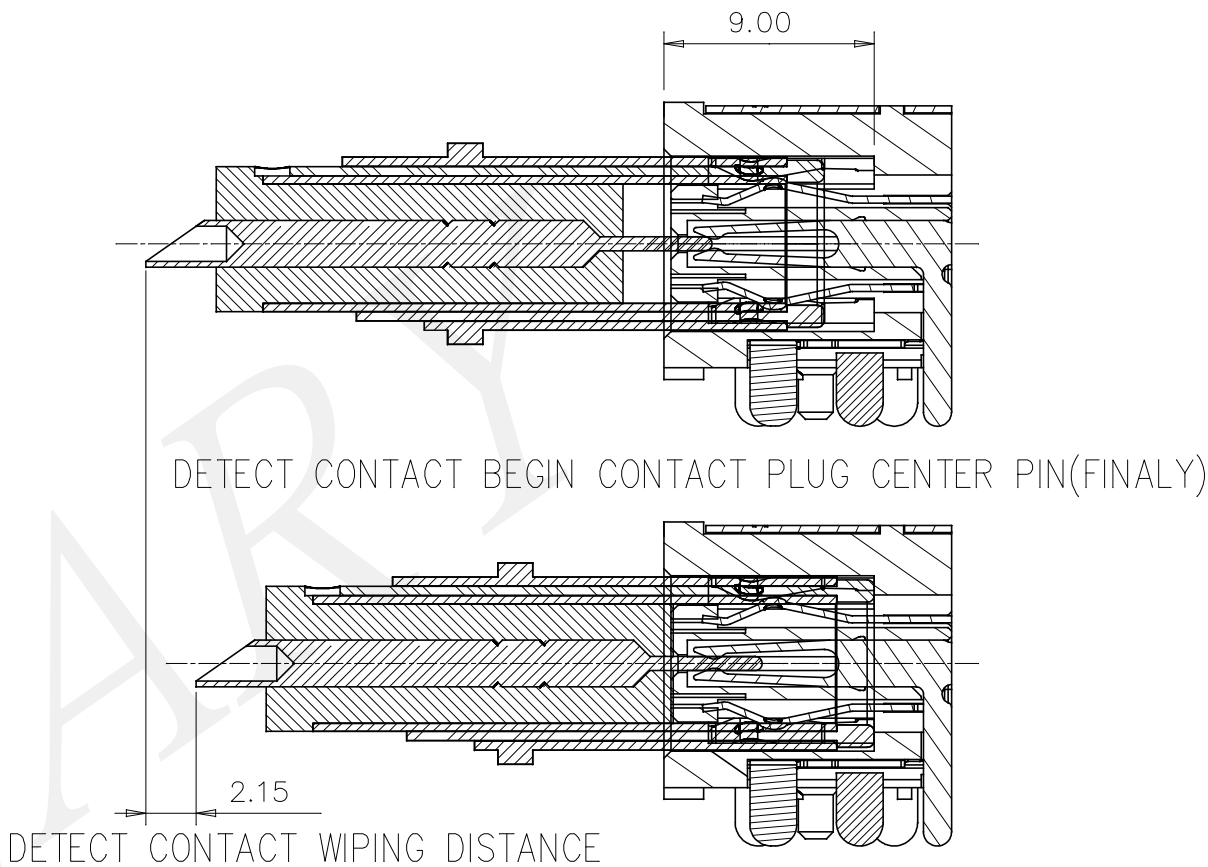
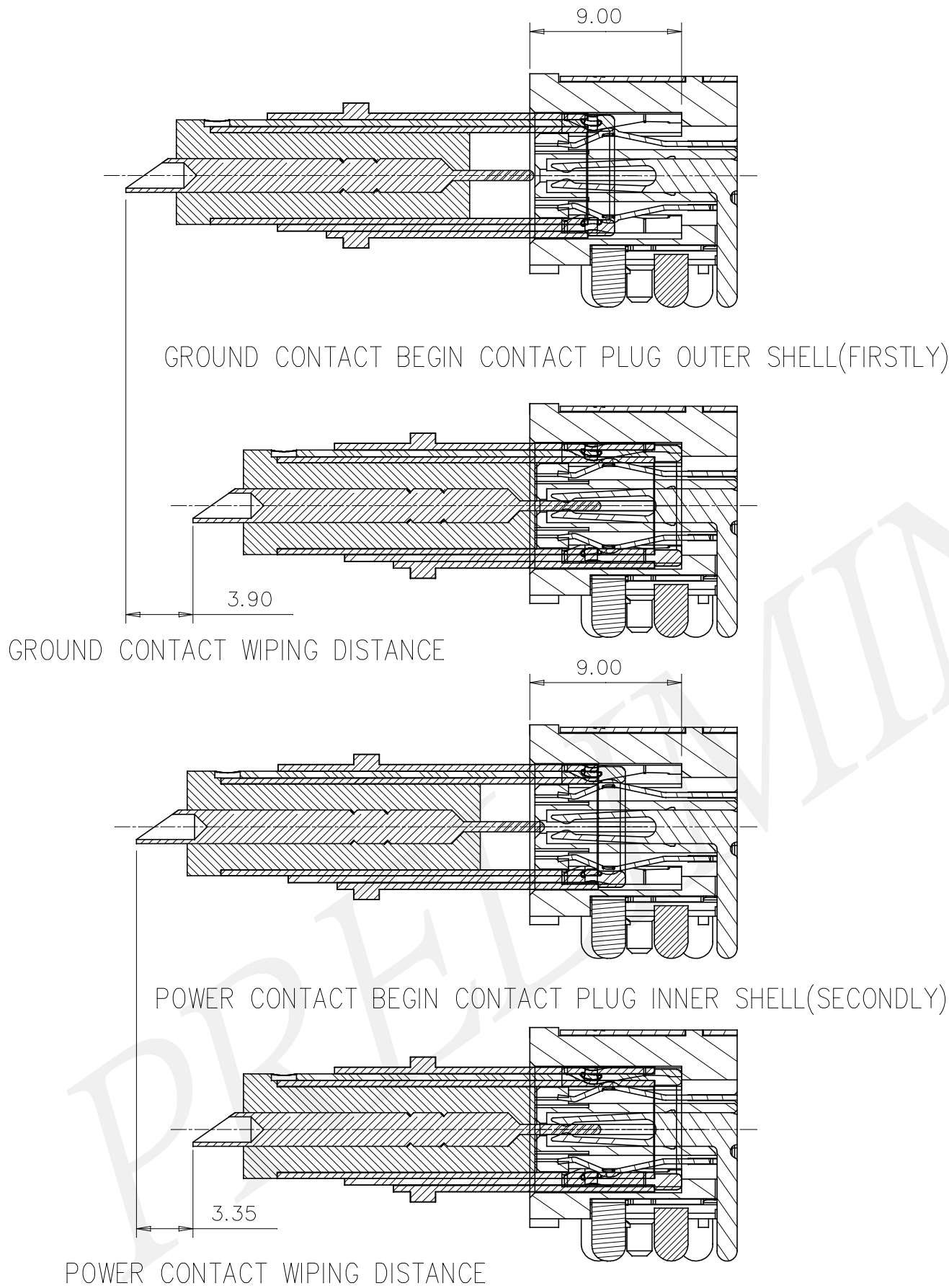
SECTION A-A

RECOMMENDED PLUG DRAWING

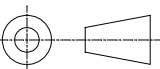
X. ±	X. ° ±	UNITS mm	NAME(INTENDED USE) POWER JACK CONNECTOR	 FOXCONN INTERCONNECT TECHNOLOGY LIMITED.				
.X ± 0.38	.X ° ±	MAT'L	PART NO.(INTENDED USE) JPD113*—DB570—7*	CLASS: ☐ CONFIDENTIAL ☐ SECRET ☒ GENERAL				
.XX ± 0.25	.XX ° ±		FINISH	APPD: Shih—wei Hsiao	TITLE: CUSTOMER DRAWING			
.XXX ±	.XXX ° ±	Q'TY		CHKD: Yen—chih Chang	DWG NO.: 305—0000—2207			
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				01/16'19				

A
B
C
D
E

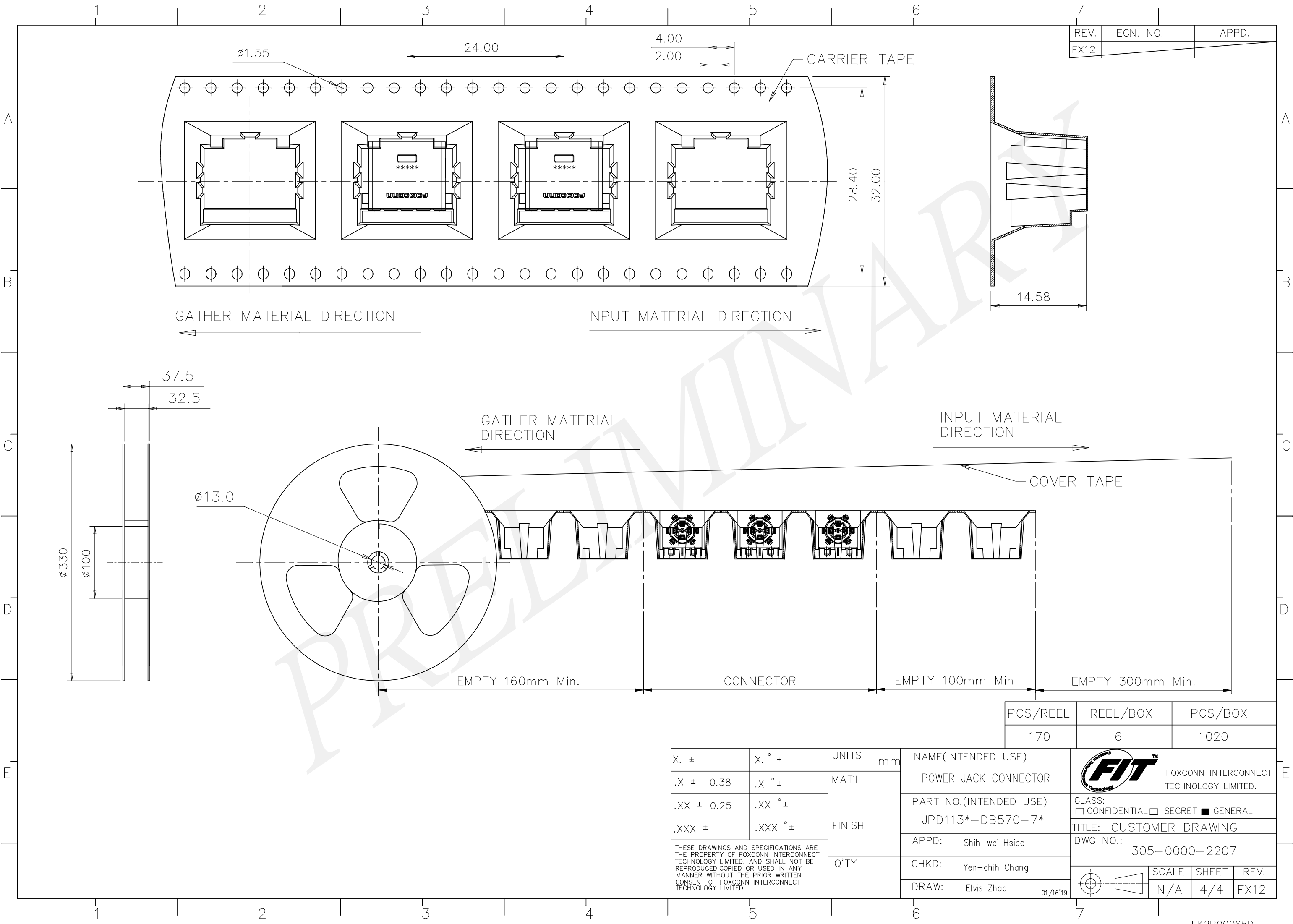
A
B
C
D
E



X. ±	X. ° ±	UNITS	mm	NAME(INTENDED USE)	 FOXCONN INTERCONNECT TECHNOLOGY LIMITED.
.X ± 0.38	.X ° ±	MAT'L		POWER JACK CONNECTOR	
.XX ± 0.25	.XX ° ±			PART NO.(INTENDED USE)	
.XXX ±	.XXX ° ±	FINISH		JPD113*-DB570-7*	
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		Q'TY		CHKD: Yen-chih Chang	TITLE: CUSTOMER DRAWING DWG NO.: 305-0000-2207
				DRAW: Elvis Zhao	
					01/16'19



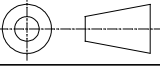
SCALE	SHEET	REV.
N/A	3/4	FX12



REV.	ECN. NO.	APPD.
FX12		

PCS/REEL	REEL/BOX	PCS/BOX
170	6	1020

X. ±	X. ° ±	UNITS mm	NAME(INTENDED USE)
.X ± 0.38	.X ° ±	MAT'L	POWER JACK CONNECTOR
.XX ± 0.25	.XX ° ±		PART NO.(INTENDED USE)
.XXX ±	.XXX ° ±	FINISH	JPD113*-DB570-7*
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			CHKD: Yen-chih Chang
			DRAW: Elvis Zhao

 FOXCONN INTERCONNECT TECHNOLOGY LIMITED.			
CLASS: ☐ CONFIDENTIAL ☐ SECRET ☒ GENERAL			
TITLE: CUSTOMER DRAWING			
DWG NO.: 305-0000-2207			
			
SCALE	SHEET	REV.	
N/A	4/4	FX12	