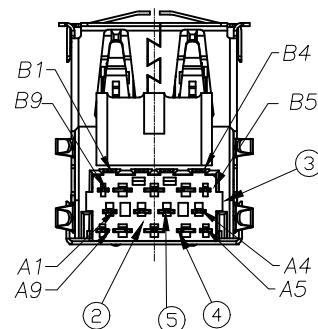
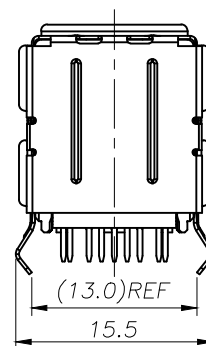
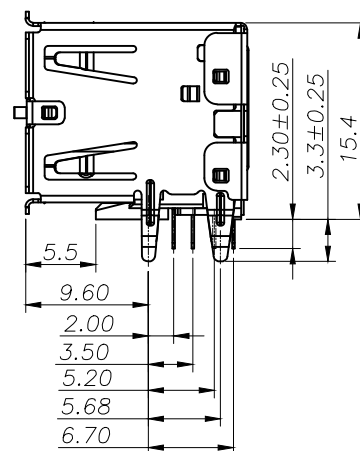
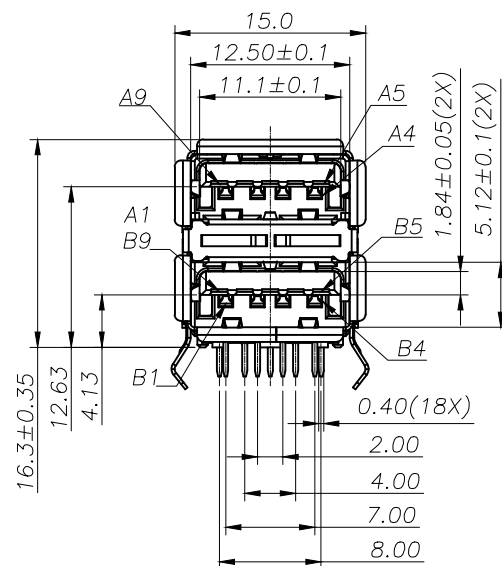
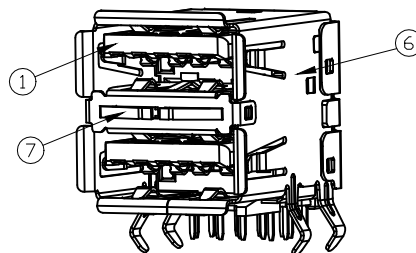
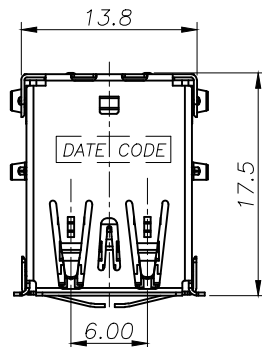


REV.	ECN NO.	DESCRIPTION	DATE	DESIGN
01	--	NEW DRAWING	2020.12.07	YIN



NOTE:

1.MATERIAL SPECIFICATION:

1-1.SEE TABLE 1

2.MECHANICAL PERFORMANCE,

2-1.INSERTION FORCE: 3.5kgf MAX

3-2.REMOVAL FORCE: 1.0kgf MIN INITIAL,0.8kgf MIN AFTER

2-3.DURABILITY: 5000 CYCLES.

3.ELECTRICAL PERFORMANCE,

3-1.INSULATION RESISTANCE: 100MΩ MIN

3-2.DIELECTRIC WITHSTAND VOLTAGE,AC 100V FOR 1 MINUTE.

3-3.CONTACT CURRENT RATING:1.8A FOR VBUS AND GND PIN;

OTHER PINS:0.25A/PIN;

3-4.CONTACT RESISTANCE:

INITIAL 30mOHMS FOR VBUS AND GND PIN;

INITIAL 50mOHMS FOR OTHER PIN;

AFTER DURABILITY 10mOHMS MAX CHANGE;

4.HF COMPLIANT.

5.WAVE SOLDER:

THE CONNECTOR SHALL BE MOUNTED ON THE PCB. THE
TEMPERATURE OF THE SOLDER SHALL BE 260±5 °C AND
IMMERSION DURATION 5 SECONDS.

6.Operating temperature: -55℃~+85℃

7.P/N: 121U-AADU-E4 * T

Contact Plating

G: Au" G/F

B: Au 15u"

C: Au 30u"

Packing
T:TRAY

DIM	TOL	DIM	DEG
X	±0.50	X°	±8°
X.X	±0.35	X.X°	±5°
X.XX	±0.25	X.XX°	±3°
X.XXX	±0.15	X.XXX°	±2°
DESIGN:	YIN	2020.12.07	
CHECK:			
APPROVED			

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FILE:

DRAW NAME:

DRAW NO.

2 PORTS USB3.0 A TYPE
FEMALE R/A

P/N: 121U-AADU-E4*T

UNIT: mm

SCALE: 1:1

MODEL:

REV: 01

SHEET: 1/3



E

D

B

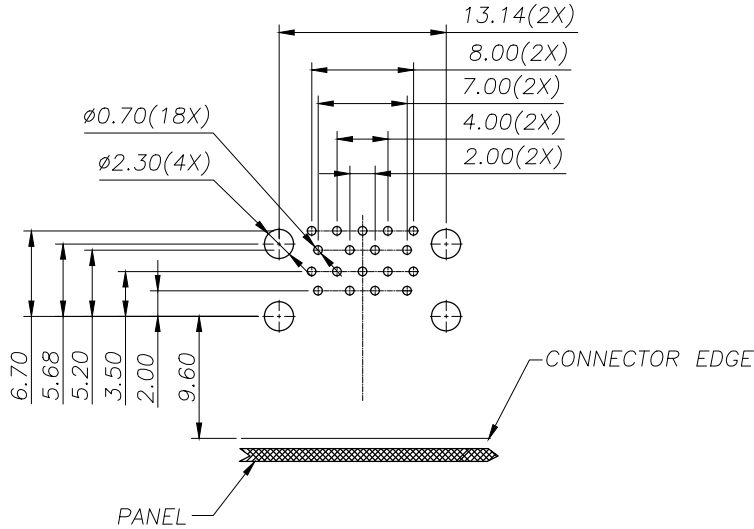
A

E

D

B

A



RECOMMENDED PCB LAYOUT(TOP VIEW)
THICKNESS1.60±0.10mm;DEFAULT TOLERANCE:±0.05

PIN ASSIGNMENTS

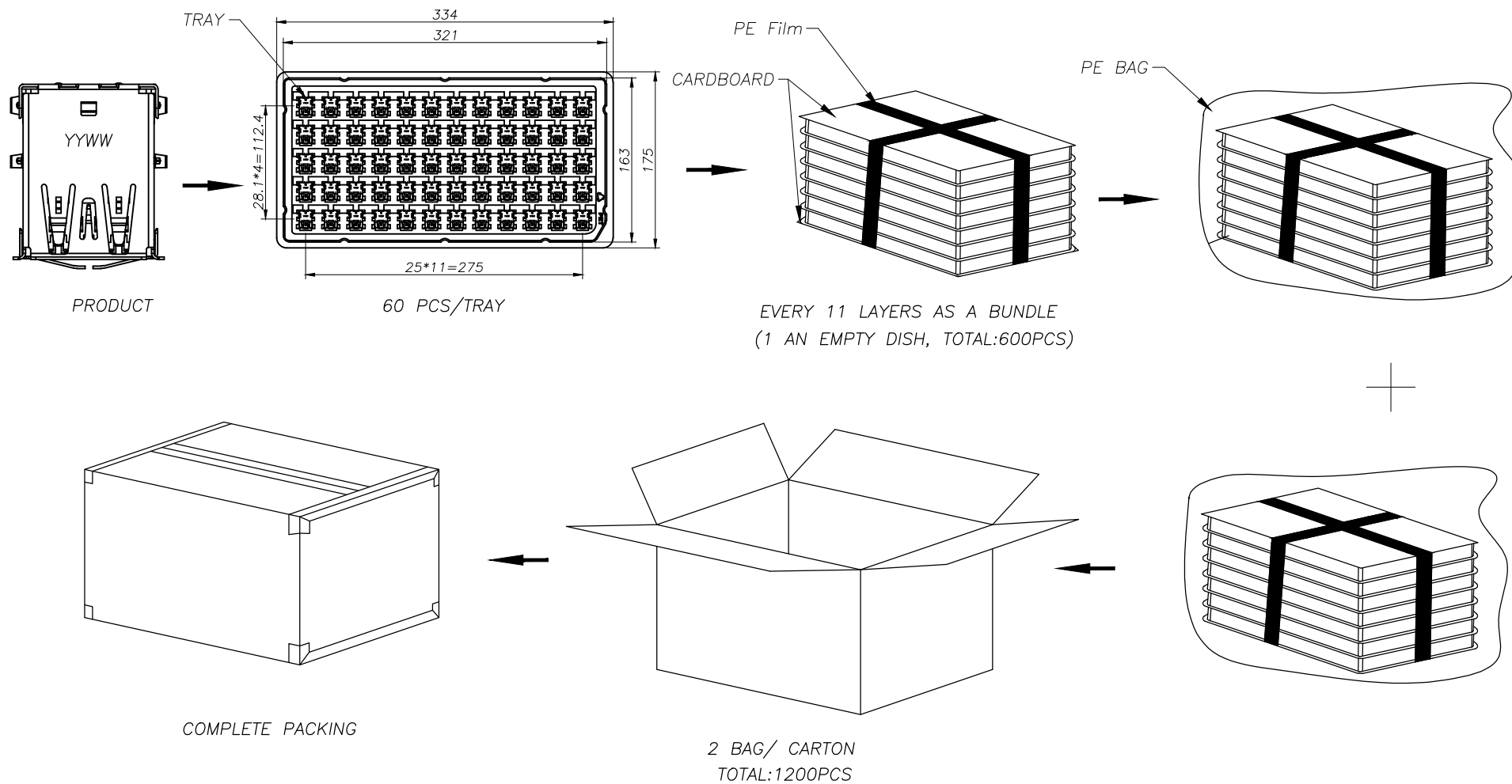
PIN NUMBER	SIGNAL NAME	DESCRIPTION
A1 & B1	VBUS	POWER
A2 & B2	D-	USB 2.0 DIFFERENTIAL PAIR
A3 & B3	D+	
A4 & B4	GND	GROUND FOR POWER RETURN
A5 & B5	StdA-SSR-	SUPER-SPEED RECEIVER DIFFERENTIAL PAIR
A6 & B6	StdA-SSR+	
A7 & B7	GND-DRAIN	GROUND FOR SIGNAL RETURN
A8 & B8	StdA-SST-	SUPER-SPEED TRANSMITTER DIFFERENTIAL PAIR
A9 & B9	StdA-SST+	
SHELL	SHIELD	CONNECTOR METAL SHELL

TABLE1

7	IRON SHELL	1	STAINLESS STEEL	CLEANING ONLY
6	FRONT SHELL	1	STAINLESS STEEL	Ni 50u" MIN. UNDER PLATED OVER ALL. 50u" MIN TIN PLATED ON SOLDER AREA.
5	USB2.0 CONTACTS	8	PHOSPHOR BRONZE	Ni 50u" MIN. UNDER PLATED OVER ALL. Au Flash PLATED ON THE FUNCTIONAL AREA OF CONTACT. 100u" MIN TIN PLATED ON SOLDER AREA.
4	USB3.1 CONTACTS	10	BRASS	Ni 50u" MIN. UNDER PLATED OVER ALL. Au PLATED ON THE FUNCTIONAL AREA OF CONTACT. 100u" MIN TIN PLATED ON SOLDER AREA.
3	MIDDLE HOUSING	1	PA66,HF	COLOR:BLACK,UL94 V-0
2	COVER	1	PA66,HF	COLOR:BLACK,UL94 V-0
1	MOLDING HOUSING	1	PA66,HF	COLOR:BLUE 300C,UL94 V-0
NO.	DESCRIPTION	QTY.	MATERIAL	TREATMENT

DIM	TOL	DIM	DEG	JOINSOO建舜電子	
X	±0.50	X°	±8°		
X.X	±0.35	X.X°	±5°		
X.XX	±0.25	X.XX°	±3°		
X.XXX	±0.15	X.XXX°	±2°	FILE:	DRAW NAME:
DESIGN:	YIN	2020.12.07	DRAW NO.	2 PORTS USB3.0 A TYPE FEMALE R/A	
CHECK:			P/N: 121U-AADU-E4*T		
APPROVED			UNIT: mm	SCALE: 1:1	MODEL:
			REV: 01	SHEET: 2/3	

REV.	ECN NO.	DESCRIPTION	DATE	DESIGN
01	--	NEW DRAWING	2020.12.07	YIN



DIM	TOL	DIM	DEG
X	±0.50	X°	±8°
X.X	±0.35	X.X°	±5°
X.XX	±0.25	X.XX°	±3°
X.XXX	±0.15	X.XXX°	±2°
DESIGN:	YIN	2020.12.07	
CHECK:			
APPROVED			

JOINSOO建舜電子

FILE:	DRAW NAME:
DRAW NO.	2 PORTS USB3.0 A TYPE FEMALE R/A
P/N: 121U-AADU-E4*T	MODEL:
UNIT: mm	SCALE: 1:1
REV: 01	SHEET: 3/3