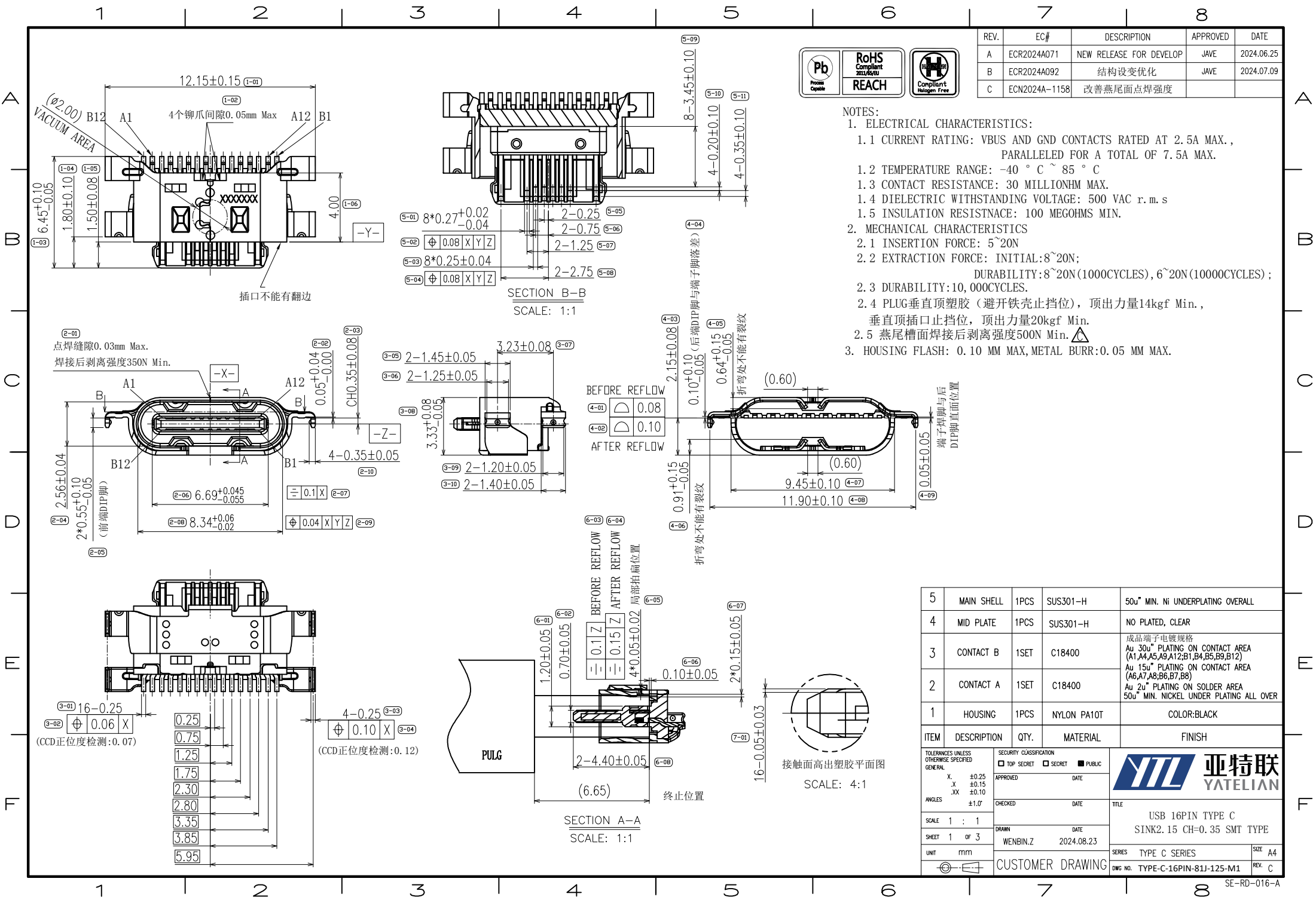




REV.	EC#	DESCRIPTION	APPROVED	DATE
A	ECR2024A071	NEW RELEASE FOR DEVELOP	JAVE	2024.06.25
B	ECR2024A092	结构设变优化	JAVE	2024.07.09
C	ECN2024A-1158	改善燕尾面点焊强度		

- NOTES:
- ELECTRICAL CHARACTERISTICS:
 - CURRENT RATING: VBUS AND GND CONTACTS RATED AT 2.5A MAX., PARALLELED FOR A TOTAL OF 7.5A MAX.
 - TEMPERATURE RANGE: -40 ° C ~ 85 ° C
 - CONTACT RESISTANCE: 30 MILLIONHM MAX.
 - DIELECTRIC WITHSTANDING VOLTAGE: 500 VAC r.m.s
 - INSULATION RESISTANCE: 100 MEGOHMS MIN.
 - MECHANICAL CHARACTERISTICS
 - INSERTION FORCE: 5~20N
 - EXTRACTION FORCE: INITIAL:8~20N;
DURABILITY:8~20N(1000CYCLES), 6~20N(10000CYCLES);
 - DURABILITY:10,000CYCLES.
 - PLUG垂直顶塑胶(避开铁壳止挡位), 顶出力14kgf Min.,
垂直顶插口止挡位, 顶出力20kgf Min.
 - 燕尾槽面焊接后剥离强度500N Min.
 - HOUSING FLASH: 0.10 MM MAX, METAL BURR: 0.05 MM MAX.

5	MAIN SHELL	1PCS	SUS301-H	50u" MIN. Ni UNDERPLATING OVERALL
4	MID PLATE	1PCS	SUS301-H	NO PLATED, CLEAR
3	CONTACT B	1SET	C18400	成品端子电镀规格 Au 30u" PLATING ON CONTACT AREA (A1,A4,A5,A9,A12,B1,B4,B5,B9,B12) Au 15u" PLATING ON CONTACT AREA (A6,A7,A8,B6,B7,B8)
2	CONTACT A	1SET	C18400	Au 2u" PLATING ON SOLDER AREA 50u" MIN. NICKEL UNDER PLATING ALL OVER
1	HOUSING	1PCS	NYLON PA10T	COLOR:BLACK
ITEM	DESCRIPTION	QTY.	MATERIAL	FINISH
TOLERANCES UNLESS OTHERWISE SPECIFIED		SECURITY CLASSIFICATION		
GENERAL		☐ TOP SECRET ☐ SECRET ☒ PUBLIC		
X. ±0.25		APPROVED		DATE
.X ±0.15				
.XX ±0.10				
ANGLES ±1.0°		CHECKED		DATE
SCALE 1 : 1		DRAWN		DATE
SHEET 1 OF 3		WENBIN.Z		2024.08.23
UNIT mm		SERIES		TYPE C SERIES
		CUSTOMER DRAWING		SIZE A4
		DWG NO. TYPE-C-16PIN-81J-125-M1		REV. C

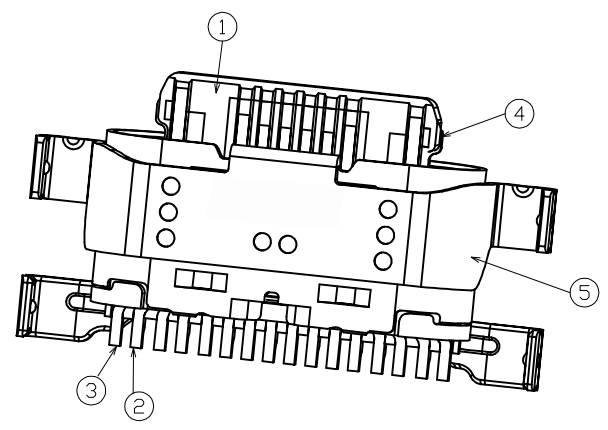
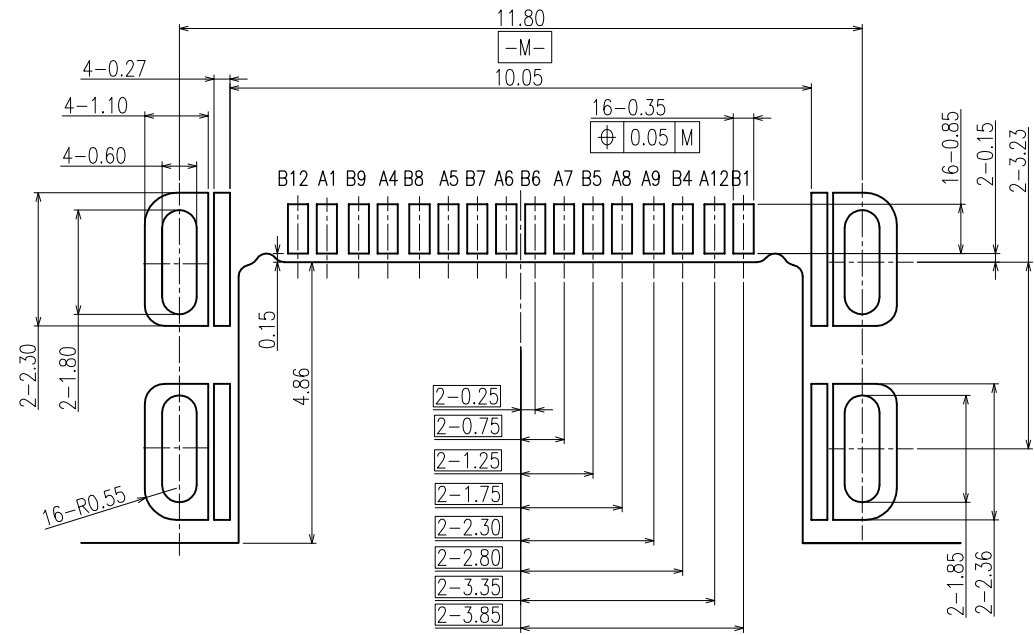


USB 16PIN TYPE C
SINK2.15 CH=0.35 SMT TYPE

A
B
C
D
E
F



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RECOMMENDED P.C.B. LAYOUT (THICKNESS:1.00MM)
TOLERANCE UNSPECIFIED ±0.05mm

PIN ASSIGNMENTS

MID PLATE	GND	GROUNG RETURN, CONTATC A1	MID PLATE	GND	GROUNG RETURN, CONTATC A12&B1
A12	GND	GROUNG RETURN	B1	GND	GROUNG RETURN
A9	VBUS	BUS POWER	B4	VBUS	BUS POWER
A8	SBU1	SIDEBAND USE (SBU)	B5	CC2	CONFIGURATION CHANNEL
A7	DN1	NEGATIVE HAL F OF USB2.0 DIFFERENTIAL PAIR-POSITION1	B6	DP2	POSITIVE HAL F OF USB2.0 DIFFERENTIAL PAIR-POSITION1
A6	DP1	POSITIVE HAL F OF USB2.0 DIFFERENTIAL PAIR-POSITION1	B7	DN2	NEGATIVE HAL F OF USB2.0 DIFFERENTIAL PAIR-POSITION1
A5	CC1	CONFIGURATION CHANNEL	B8	SBU2	SIDEBAND USE (SBU)
A4	VBUS	BUS POWER	B9	VBUS	BUS POWER
A1	GND	GROUNG RETURN	B12	GND	GROUNG RETURN
PIN No.	NAME	DESCRIPTION	PIN No.	NAME	DESCRIPTION

TOLERANCES UNLESS OTHERWISE SPECIFIED

GENERAL

X ±0.25

.X ±0.15

.XX ±0.10

ANGLES ±1.0°

SCALE 1 : 1

SHEET 2 OF 3

UNIT mm

SECURITY CLASSIFICATION

☐ TOP SECRET ☐ SECRET ☒ PUBLIC

APPROVED DATE

CHECKED DATE

DRAWN DATE

WENBIN.Z 2024.08.23

CUSTOMER DRAWING

YTL 亚特联
YATELIAN

TITLE

USB 16PIN TYPE C
SINK2.15 CH=0.35 SMT TYPE

SERIES TYPE C SERIES

DWG NO. TYPE-C-16PIN-81J-125-M1

SIZE A4

REV. C

1 2 3 4 5 6 7 8



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NOTES 1 :

- Put the finished product into CARRIER TAPE according to the specified packaging quantity as shown in the figure. Then paste one Part label and one RoHS label on the reel.
- Every 10 rolls is packed into a Carton, 1400PCS/Reel, 14000PCS/Carton;
- After the carton is sealed, the carton is sealed with sealant, and the shipping label and RoHS label are pasted on the side;
- Label;If the customer requires another label, the label shall be affixed according to the requirements specified in the order;
- The outer case is bound with sealing tape;
- This packing method is applicable to the products:TYPE-C-16PIN-81J-125-M1(16PIN

TYPE-C) NOTES 2 :

- Tape Reel Material:PET Transparent
- Package Content: See Tab below

PRODUCT No.	QTY/REEL	REEL/CARTON	QTY/CARTON
TYPE-C-16PIN-81J-125-M1	1400PCS	10 REEL	14000PCS
TOLERANCES UNLESS OTHERWISE SPECIFIED GENERAL X. ±0.25 .X ±0.15 .XX ±0.10 ANGLES ±1.0°		SECURITY CLASSIFICATION ☒ TOP SECRET ☐ SECRET ☒ PUBLIC APPROVED DATE CHECKED DATE DRAWN DATE WENBIN.Z 2024.08.23	
SCALE 1 : 1 SHEET 3 OF 3 UNIT mm		TITLE USB 16PIN TYPE C SINK2.15 CH=0.35 SMT TYPE SERIES TYPE C SERIES DWG NO. TYPE-C-16PIN-81J-125-M1 SIZE A4 REV. C	
CUSTOMER DRAWING			

