

1. MATERIAL SPECIFICATION:

- 1. HOUSING: HIGH TEMPERATURE RESISTANT PLASTIC, UL94 V-0.
- 2. CONTACTS: COPPER ALLOY
- 3. MID PLATE: STAINLESS STEEL
- 4. INSIDE SHELL: STAINLESS STEEL
- 5. OUTSIDE SHELL: STAINLESS STEEL

2. PLATING SPECIFICATION:

- 2-1. CONTACTS:
 - Ni 50u" MIN. UNDER PLATED OVER ALL.
 - Au PLATED ON THE FUNCTIONAL AREA OF CONTACT.
 - (GOLD PLATING THICKNESS FOLLOW THE P/N)
 - GOLD FLASH PLATING ON SOLDER AREA
- 2-2. INSIDE SHELL OR OUTSIDE SHELL:
 - Ni 30u" MIN. UNDER PLATED OVER ALL.

3. MECHANICAL PERFORMANCE,

- 3-1. INSERTION FORCE: 0.5~2.0kgf.
- 3-2. REMOVAL FORCE: 0.8kgf~2.0kgf.
- 3-3. DURABILITY: 10000 CYCLES.

4. ELECTRICAL PERFORMANCE,

- 4-1. CURRENT RATING: 5A
VOLTAGE RATING: 20V
- 4-2. INSULATION RESISTANCE: 100MΩ MIN
- 4-3. DIELECTRIC WITHSTAND VOLTAGE, AC 100V FOR 1 MINUTE
- 4-4. LOW CONTACT RESISTANCE: INITIAL 40mΩ
AFTER 50mΩ

5. ENVIRONMENTAL PERFORMANCE:

- OPERATING TEMPERATURE: -30°C~+80°C.

6. IR REFLOW:

THE PEAK TEMPERATURE ON THE BOARD SHALL BE MAINTAINED FOR 10 SECONDS AT 260°C.

5	OUTER SHELL	SUS304 T=0.25MM	NI 30u"MIN	1PCS
4	INNER SHELL	SUS304 T=0.30MM	NI 30u"MIN	1PCS
3	SHIELDING PLATE	SUS301 T=0.15MM	N/A	1PCS
2	CONTACT	C2680 T=0.15MM	Mating area: 1u"Au Solder Tails: G/F Underplate: 50u"Min Ni overall	2SET
1	INSERT MOLDING	LCP UL94V-0	BLACK	1PCS
NO.	DESCRIPTION	MATERIAL	REMARKS	

Website:	https://www.tengjunconn.com	TEL:	0769-23323869
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	PART NAME	USB TYPE C 16PIN,脚长1.40mm 板上垫高3.0mm (CH=4.58)	TOLERANCE OTHERWISE X X.X X.XX X.XXX UNLESS SPECIFIED: ±0.2 ±0.15 ±0.10 ±0.050	DRAWING:	Li	DATE:	2019.11.12	SCALE	SHEET	REV A0
	PART NO.	TJD16-2161X-00XR		CHECK:	Chen	DATE:	2019.11.12	1:1	1/3	SIZE: A4
				APPROVAL:	Yuan	DATE:	2019.11.12			

USB TYPE-C PIN ASSIGNMENTS

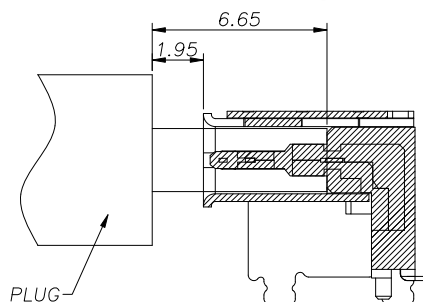
PIN NUMBER	SIGNAL NAME	PIN NUMBER	SIGNAL NAME
A1	GND	B12	GND
A4	VBUS	B9	VBUS
A5	CC1	B8	SBU2
A6	Dp1	B7	Dn2
A7	Dn1	B6	Dp2
A8	SBU1	B5	CC2
A9	VBUS	B4	VBUS
A12	GND	B1	GND

7.P/N: TJD16-2161X-00XR

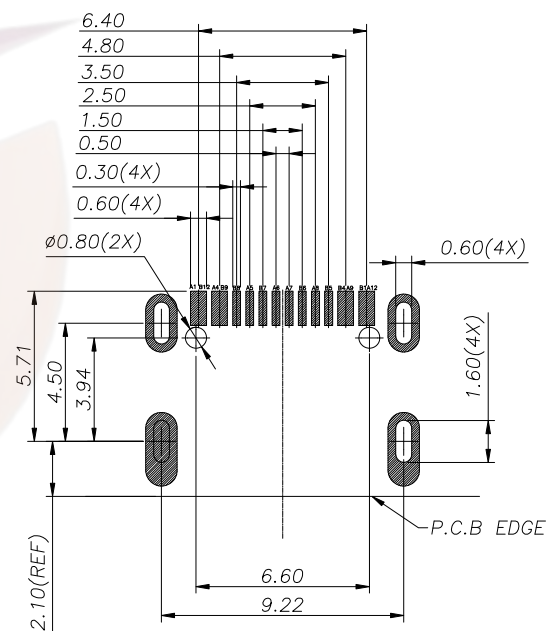
16:16 PIN

B:Black
N:NATURE

- 1: GOLD FLASH PLATING ON CONTACT AREA,
GOLD FLASH PLATING ON SOLDER AREA
- 3: 3u" GOLD PLATING ON CONTACT AREA,
GOLD FLASH PLATING ON SOLDER AREA
- 5: 3u" GOLD PLATING ON CONTACT AREA,
GOLD FLASH PLATING ON SOLDER AREA



AFTER MATING
SCALE 1:1



RECOMMEND P.C.B LAYOUT(COMPONENT SIDE)
TOLERANCE FOR PCB LAYOUT IS ± 0.05

Guangdong Tengjun Electronic Technology Co., Ltd

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USB TYPE C 16PIN, 脚长1.40mm
板上垫高3.0mm (CH=4.58)

PART NO.

TJD16-2161X-00XR

TOLERANCE UNLESS
OTHERWISE SPECIFIED:
X ± 0.2
X.X ± 0.15
X.XX ± 0.10
X.XXX ± 0.050

DRAWING:

Li

DATE:

2019.11.12

SCALE

SHEET

REV A0

CHECK:

Chen

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1:1

2/3

SIZE: A4

APPROVAL:

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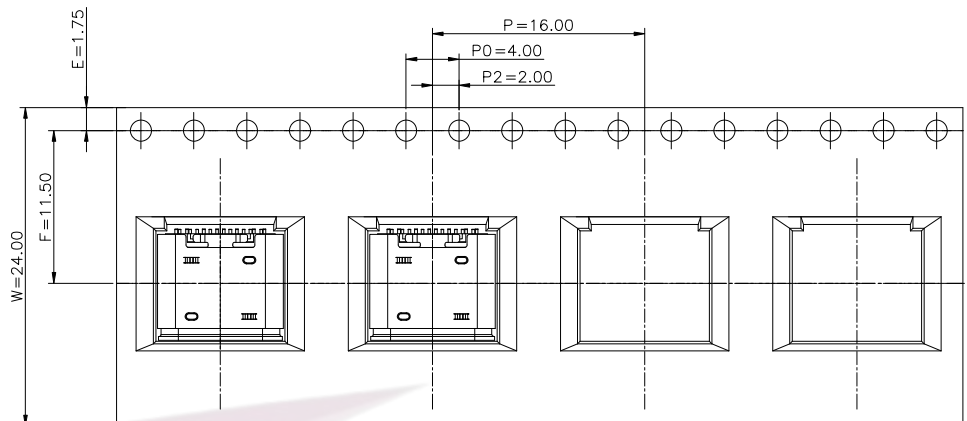
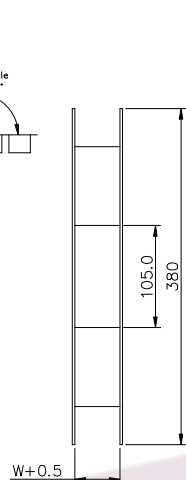
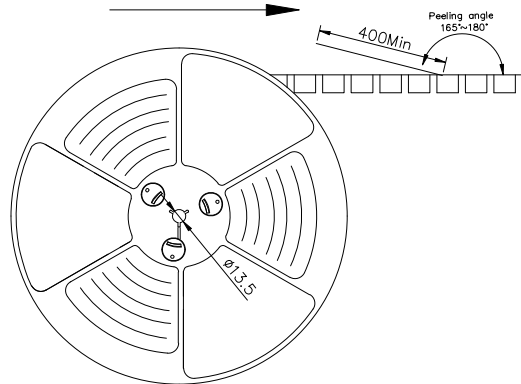
DATE:

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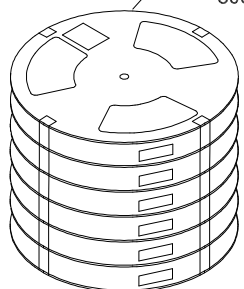
RoHS
Compliant

出料方向
PULL OUT DIRECTEON

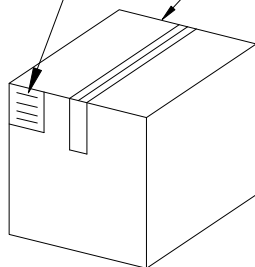


TAPE & REEL 7 PCS

1 REEL
= 600 PCS



LABEL



BOX

DIMENSIONS:
39.5X39.5X20

1 CARTON
=6 REELS
=3600 PCS

NOTES

1.帶子引導長度

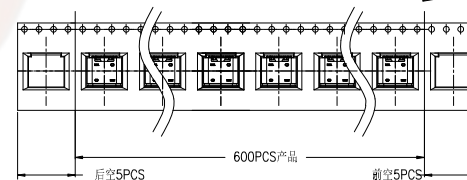
LEAD TAPE LENGTH

出料方向

PULL OUT DIRECTEON

出料方向

PULL OUT DIRECTEON



2.上帶 剥离力為: 0.1~1.3N(10.2gf~130gf)

PEELING OFF FORCE OF TOP TAPE: 0.1~1.3N(10.2gf~130gf)

出貨運輸過程中一定注意:

THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT:

卷帶在運輸過程中不能散開

PEELING OFF SHOULD NOT BE ALLOWED DURING TRANSPORTATION

包明表 (The detail of the packing) Carton

品料 (Product No.)	包 容 量 (Packing Capacity)			重 量 Weight (Kg)		
	pcs/box	boxs/Carton	Pcs/Box	N.W./Pcs	N.W./Box	G.W./Box
TJD16-2161X-00XR	600	6	3600	----	----	----

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板上垫高3.0mm (CH=4.58)

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