

THE PART MEETS TECONN "GP001" COMPLIANCE NEW REV.

NOTE:

1.MATERIAL SPECIFICATION:

- 1.HOUSING:HIGH TEMPERATURE RESISTANT PLASTIC(LCP),UL94 V-0.
- 2.CONTACTS:COPPER ALLOY(C18150)T=0.12mm
- 3.MID PLATE: STAINLESS STEEL(SUS301)T=0.15mm
- 4.EMI PLATE: STAINLESS STEEL(SUS301)T=0.10mm
- 5.SHELL: STAINLESS STEEL(SUS304)T=0.30mm

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)
- Sn PLATED ON THE SOLDER AREA OF CONTACT.

2-2.SHELL:

- Ni 30u" MIN. UNDER PLATED OVER ALL.

2-3.MID PLATE:

- CLEAR ONLY

2-4.EMI PLATE:

- CLEAR ONLY

3.MECHANICAL PERFORMANCE,

- 3-1.INSERTION FORCE: 5~20N.
- 3-2.REMOVAL FORCE: 8~20N,6~20N AFTER TEST;
- 3-3.DURABILITY: 10000 CYCLES.

4.ELECTRICAL PERFORMANCE,

- 4-1. CURRENT RATING:5.0A
- VOLTAGE RATING:5.0V
- 4-2. LLCR:
- VBUS & GND PINS AND OTHER PINS: 40mΩ/PIN MAX.
- SHIELD: 50mΩ/MAX.
- LLCR MAX. CHANGE OF ALL PINS: 10mΩ.
- 4-3.INSULATION RESISTANCE: 100MΩ MIN
- 4-4.DIELECTRIC WITHSTAND VOLTAGE,AC 100V FOR 1 MINUTE.

5. ENVIRONMENTAL PERFORMANCE:

- OPERATING TEMPERATURE: -25°C~+85°C.

6.IR REFLOW:

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

Item	Title	Material	Dispose	Remark
1	Shell	Stainless Steel	Ni:30u" Min.	
2	GND Plate	Stainless Steel	Clear Only	
3	Mid Plate	Stainless Steel	Clear Only	
4	Top Contact	Copper Alloy	Mating Area: See P/N	
5	Bottom Contact	Copper Alloy	Solder Tails: Matt Tin	
6	Insulator	High Temperature Plastic	UL 94V-0	Black

X. ± 0.35	APPD:	Lebon	TITLE:	
.X ± 0.30	CHKD:		USB 3.1 TYPE C FEMALE	
.XX ± 0.25	DR:	Kevin Han	VERTICAL H9.25mm Solder L1.45	
.XXX±			PART NO:	
X" ± 2"			A4Q2404-D-XX-R	
.X" ± 1.5"			DWG NO:	
			CUSTOMER DRAWING	
			C-A4Q2404-D-XX-R	
			SHEET:10F2	
			REV: A	

A

A

B

B

C

C

D

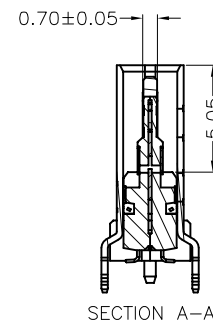
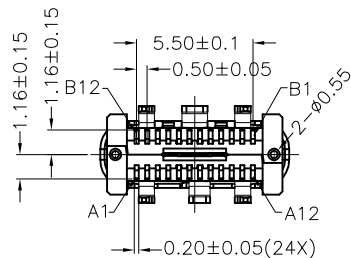
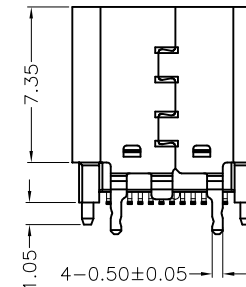
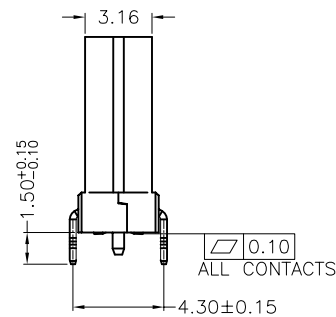
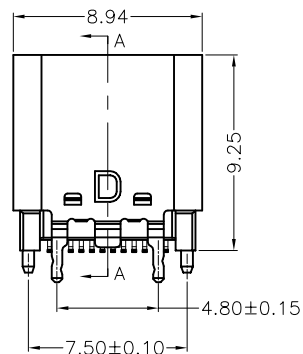
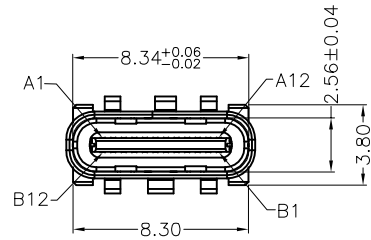
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E

E

F

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A4Q2404-D-XX-R

Mating Area plating

- 01: Au 1u"Min.
- 03: Au 3u"Min.
- 05: Au 5u"Min.
- 10: Au 10u"Min.
- 15: Au 15u"Min.
- 30: Au 30u"Min.

REV	ECN NO	DESCRIPTION	DESIGN	DATE
A	TE2021-0028	New Drawing	Kevin Han	2021/04/24



B

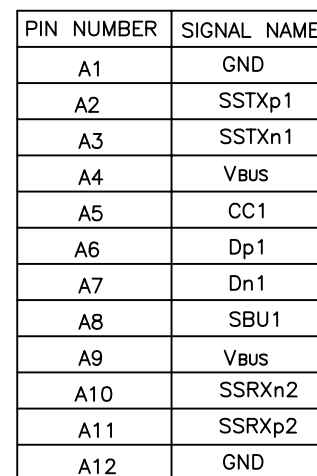


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1 2 3 4 5 6 7 8 9 10



PIN	NUMBER	SIGNAL	NAME
	B12		GND
	B11		SSRXp1
	B10		SSRXn1
	B9		V _{Bus}
	B8		SBU2
	B7		Dn2
	B6		Dp2
	B5		CC2
	B4		V _{Bus}
	B3		SSTXn2
	B2		SSTXp2
	B1		GND

泰康电三
TECON