

REV	MODIFICATION	DATE
A0	胶芯变更	2013. 12. 20

NOTES:

1.MATERIAL:

MOLDING: LCP UL94 V-0

CONTACT: COPPER ALLOY.

GOLD PLATED Min ON CONTACT AREA, 100u''

Min TIN (LEAD FREE) ON SOLDER AREA,

SHELL: SUS304-H, T=0.30±0.03mm

50u'' NICKEL PLATING OVER ALL.

SHILD: SUS304-H, T=0.12±0.03mm

2.MECHANICAL:

INSERTION: 5~20N.

EXTRACTION: 8~20N AFTER TEST.

DURABILITY: 10000 CYCLES

3.ELECTRICAL:

CURRENT: 5A FOR VBUS;

1.25A FOR GND PIN.

0.25A FOR OTHER.

VOLTAGE: 20 V MAX

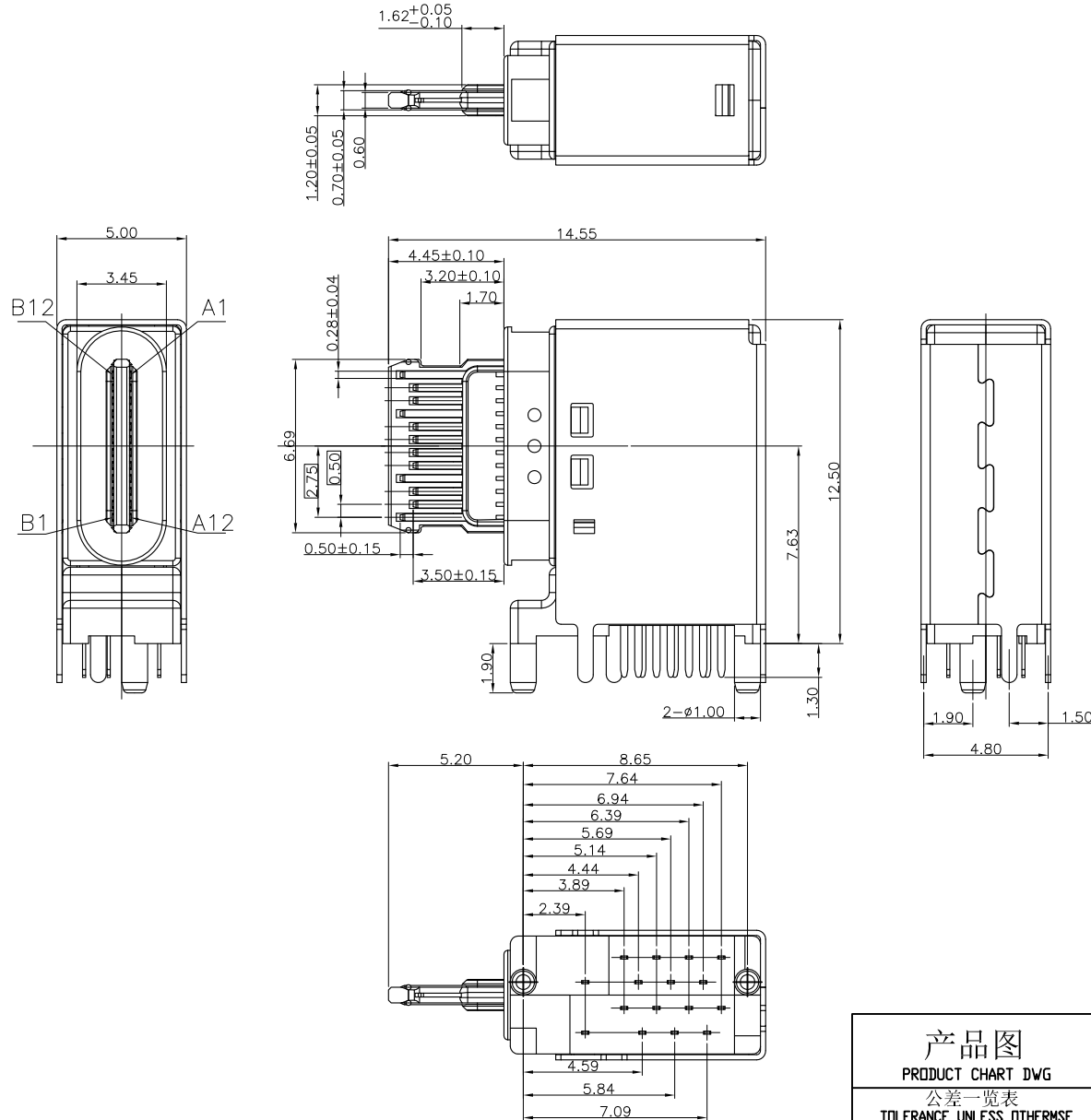
WITHSTANDING VOLTAGE: 100V AC R.M.S.

CONTACT RESISTANCE: 40mΩ MAX.

INSULATION RESISTANCE: 100MΩ MIN.

4.ENVIRONMENTAL

TEMPERATURE RANGE -25°C ~ +85°C



产品图 PRODUCT CHART DWG				深圳市精拓金电子有限公司					
公差一览表 TOLERANCE UNLESS OTHERWISE				单位 UNITS	MM	制图 DRAWING	Gavin	制图料号 PRODUCT PART NO.	918-518K2023D50006
X.	±0.25	X.	±5°	比例 SCALE	1:1	审核 CHKD	郭治富	产品名称 PRODUCT NAME	TYPE-C3.1侧插母座三脚插板不锈钢LCP白胶有柱 16P
.X	±0.20	.X	±2°	日期 DATE	2016.08.25	核准 APPD	黄国荣	角法 VIEW	⊙
.XX	±0.15	.XX	±1°					版本 REV	A0
.XXX	±0.10	.XXX	±0.5°						

1 2 3 4 5 6 7 8 9 10

A

B

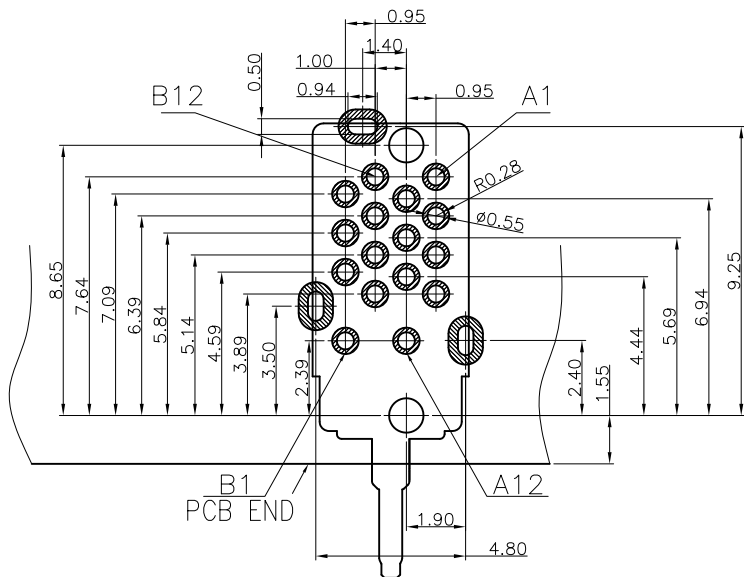
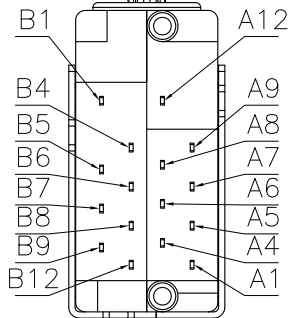
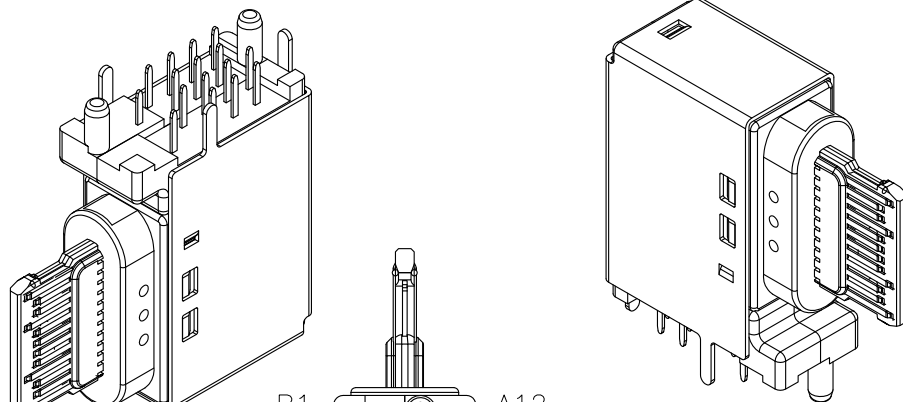
C

D

E

F

G



RECOMMEND P.C.B LAYOUT (THICKNESS=0.1mm)
(COMPONENT SIDE) TOLERANCE±0.02

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USB TYPE-C FULL-FEATURED RECEPTACLE INTERFACE PIN ASSIGNMENTS

PIN	Signal Name	Description	PIN	Signal Name	Description
A1	GND	Ground return	B12	GND	Ground return
A2	SSTXp1	Positive half of first SuperSpeed TX differential pair	B11	SSRXp1	Positive half of first SuperSpeed RX differential pair
A3	SSTXn1	Negative half of first SuperSpeed TX differential pair	B10	SSRXn1	Negative half of first SuperSpeed RX differential pair
A4	VBUS	Bus Power	B9	VBUS	Bus Power
A5	CC1	Configuration Channel	B8	SBU2	Sideband Use (SBU)
A6	Dp1	Positive half of the USB 2.0 differential pair-Position 1	B7	Dn2	Negative half of the USB 2.0 differential pair-Position 2
A7	Dn1	Negative half of the USB 2.0 differential pair-Position 1	B6	Dp2	Positive half of the USB 2.0 differential pair-Position 2
A8	SBU1	Sideband Use (SBU)	B5	CC2	Configuraation Channel
A9	VBUS	Bus Power	B4	VBUS	Bus Power
A10	SSRXn2	Negative half of second SuperSpeed RX differential pair	B3	SSTXn2	Negative half of second SuperSpeed TX differential pair
A11	SSRXp2	Positive half of second SuperSpeed RX differential pair	B2	SSTXp2	Positive half of second SuperSpeed TX differential pair
A12	GND	Ground return	B1	GND	Ground return

产品图

PRODUCT CHART DWG

公差一览表

TOLERANCE UNLESS OTHERWISE

X.	±0.25	X.	±5.°
.X	±0.20	.X	±2.°
.XX	±0.15	.XX	±1.°
.XXX	±0.10	.XXX	±0.5°

深圳市精拓金电子有限公司

单位

MM

制图

Gavin

制图料号

918-518K2023D50006

比例

1:1

审核

郭治富

产品名称

TYPE-C3.1侧插母座三脚插板不锈钢LCP白胶

日期

2016.08.25

核准

黄国荣

角法

VIEW

版本

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