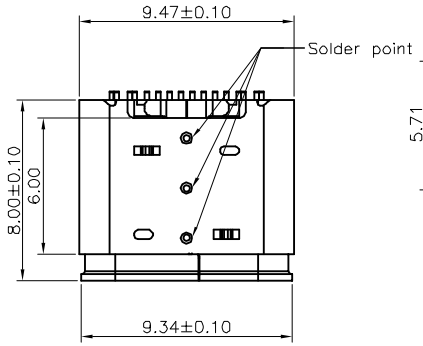
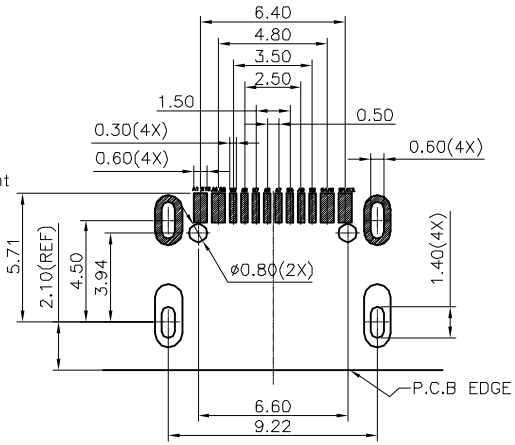
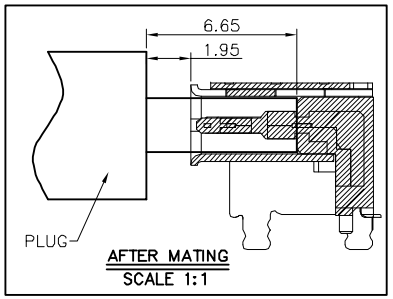
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RECOMMEND P.C.B LAYOUT(COMPONENT SIDE)
TOLERANCE FOR PCB LAYOUT IS ± 0.05.T=1.20mm



NOTES:
1.MATERIAL SPECIFICATION:
1. HOUSING/MOLDING: LCP+30% G/F & PA9T. UL94 V-0. BLACK.
2. CONTACTS: C2680R-H & C7025 TM04.T=0.25mm.
3. MID PLATE: SUS 301R-H. T=0.15mm.
4. INSIDE SHELL:SUS 304R-1/4H.T=0.30mm.
5. OUTSIDE SUS 304R-1/4H.T=0.25mm.

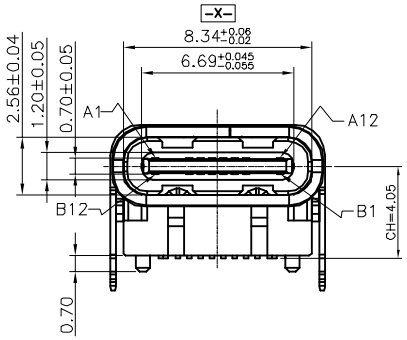
2.PLATING SPECIFICATION:
1. CONTACTS: Ni 50u" MIN. UNDER PLATED OVER ALL. Au PLATED ON THE FUNCTIONAL AREA OF CONTACT. (GOLD PLATING THICKNESS FOLLOW THE P/N). GOLD FLASH PLATING ON SOLDER AREA.
2. INSIDE SHELL OR OUTSIDE SHELL: Ni 30u" MIN. UNDER PLATED OVER ALL.

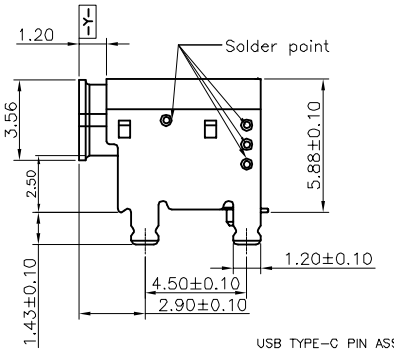
3.MECHANICAL PERFORMANCE:
1. INSERTION FORCE: 5~20N.
2. REMOVAL FORCE: 8~20N.
3. DURABILITY: 10000 CYCLES.

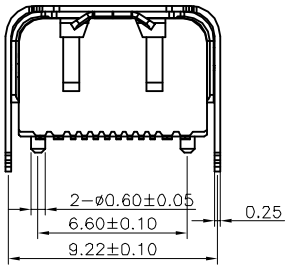
4.ELECTRICAL PERFORMANCE:
1. CURRENT RATING: 5A.
2. VOLTAGE RATING: 20V.
3. INSULATION RESISTANCE: 100MΩ MIN.
4. DIELECTRIC WITHSTAND VOLTAGE: AC 100V FOR 1 MINUTE.
5. .LOW CONTACT RESISTANCE: INITIAL 40MΩ.

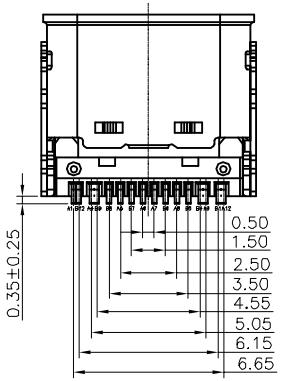
5. ENVIRONMENTAL PERFORMANCE:
1. OPERATING TEMPERATURE: -30℃~+80℃.
2. THE PEAK TEMPERATURE ON THE BOARD SHALL BE MAINTAINED FOR 10 SECONDS AT 260℃.

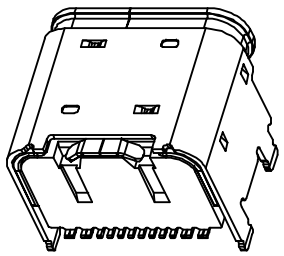
10. MARK"▼"AS THE FIRST PIECE FOCUS ON SIZE INSPECTION.
11. MARK"Ⓧ"AS THE FAI DIMENSION NUMBER.
12. MARK"Ⓒ"AS CPK DIMENSION NUMBER.











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

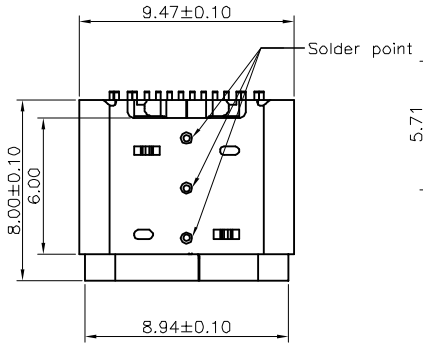
NO.	DESCRIPTION	MATERAL	REMARKS	
5	OUTER SHELL	SUS304 T=0.25MM	NI 40u"MIN	1PCS
4	INNER SHELL	SUS304 T=0.30MM	NI 40u"MIN	1PCS
3	SHIELDING PLATE	SUS301 T=0.15MM	N/A	1PCS
2	CONTACT	C2680 T=0.15MM	Mating area 1u"Au Solder Tails: G/F Underplate: 80u"Min Ni overall	2SET
1	INSERT MOLDING	LCP UL94V-0	BLACK	1PCS

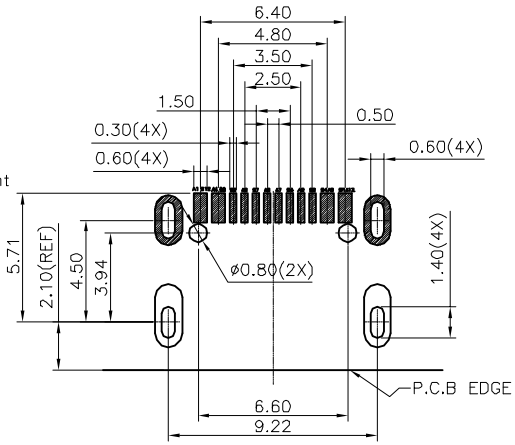
深圳市万骏达电子有限公司
http://www.wanjunda.com

品名(ITEM NO)	TYPE C 16Pin 板上垫高 2.5(带翻边)	图号(DWG NO)	单位(UNIT): MM
料号(PART NO)	TPC-16P-DG-2.5	版本(REV)	比例(SCALE)1:1
模号(MODEL NO)		日期(DATE)	
		设计(DESIGN)	未注公差 TOLERANCE UNSPECIFIED
		审核(CHECKED)	X.X ±0.30 X.XX ±0.15 X.XXX ±0.10 X° ±5° X.X° ±2°
		核准(APPROVED)	

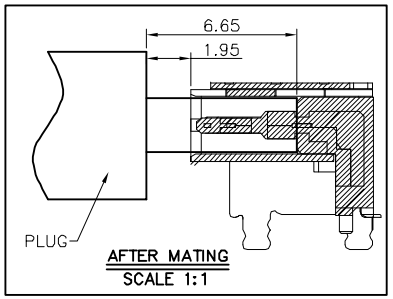
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NOTES:
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3. MID PLATE: SUS 301R-H. T=0.15mm.
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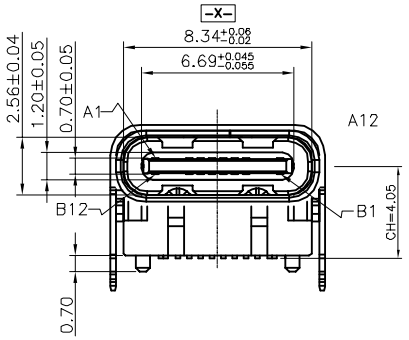
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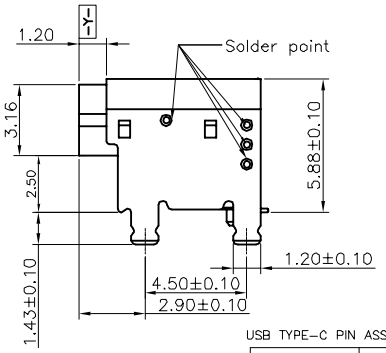
3.MECHANICAL PERFORMANCE:
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3. DURABILITY: 10000 CYCLES.

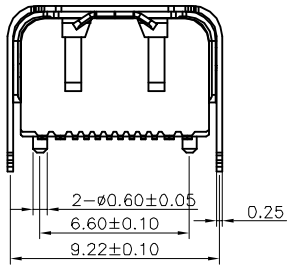
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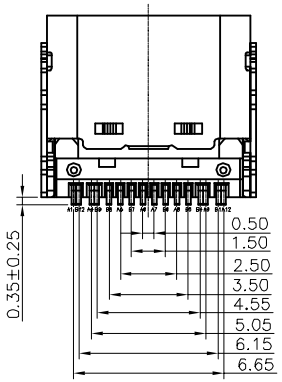


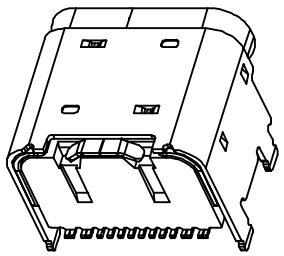




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A7	Dn1	B6	Dp2
A8	SBU1	B5	CC2
A9	VBUS	B4	VBUS
A12	GND	B1	GND





NO.	DESCRIPTION	MATERAL	REMARKS	
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1	INSERT MOLDING	LCP UL94V-0	BLACK	1PCS

深圳市万骏达电子有限公司
http://www.wanjunda.com

品名(ITEM NO)	TYPE C 16Pin 板上垫高 2.5(无翻边)	图号(DWG NO)	单位(UNIT): MM
料号(PART NO)		版本(REV)	比例(SCALE)1:1
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		设计(DESIGN)	未注公差 TOLERANCE UNSPECIFIED
		审核(CHECKED)	X.X ±0.30 X.XX ±0.15 X.XXX ±0.10 X° ±5° X.X° ±2°
		核准(APPROVED)	

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