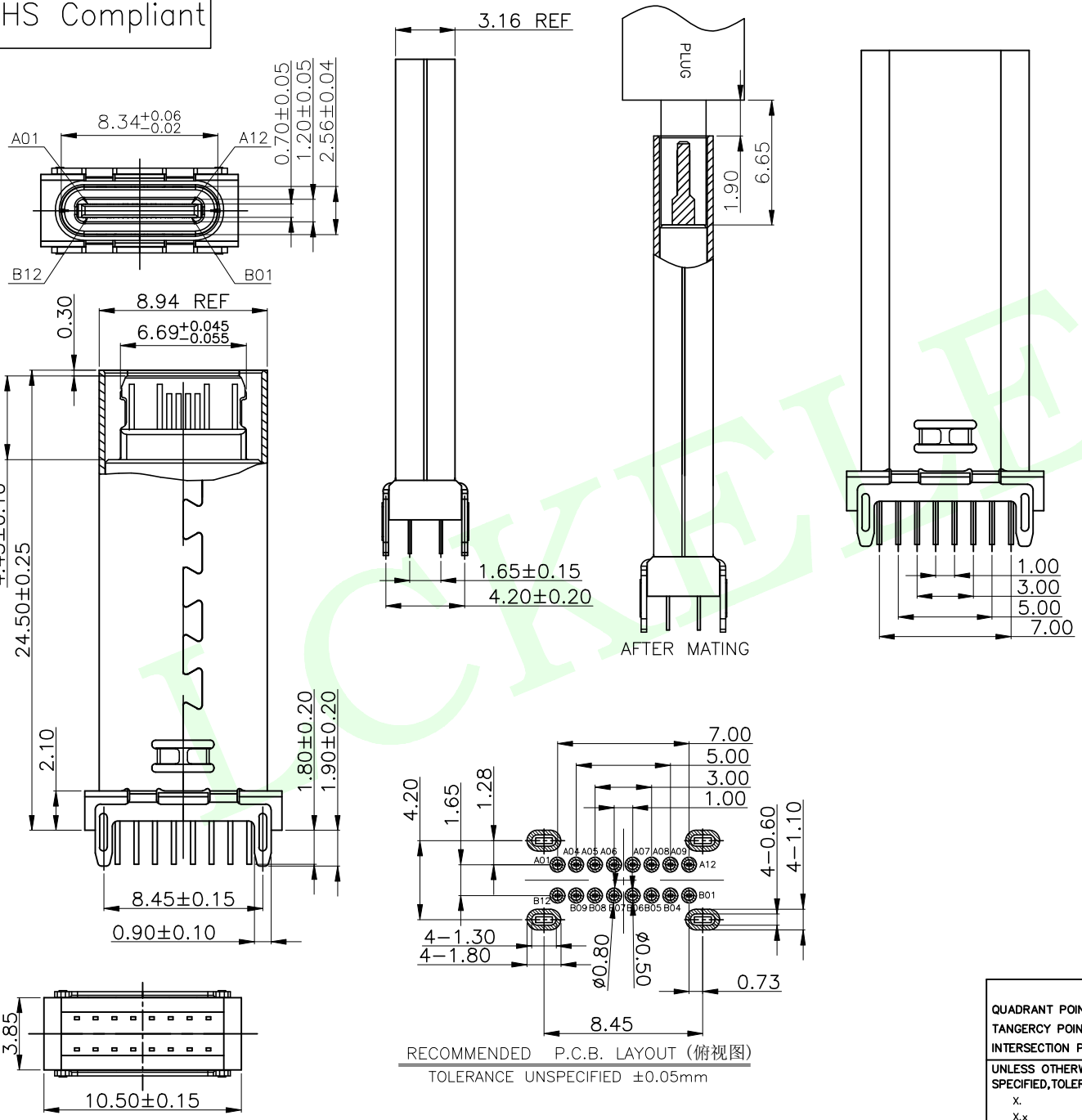
RoHS Compliant



SPECIFICATION:

1、ELECTRICAL:
- 1.1 CURRENT RATING:5A;
- 1.2 CONTACT RESISTANCE:40mΩ Max;
- 1.3 DIELECTRIC WITHSTANDING VOLTAGE:100V AC;
- 1.4 INSULATION RESISTANCE:100 MΩ MIN;

2、MECHANICAL;
- 2.1 MATING FORCE:5~20N;
- 2.2 UNMATING FORCE:8~20N;
- 2.3 DURABILITY:10000 CYCLES;6~20N AFTER DURABILITY TEST;

3、MATERIAL:
- 3.1 HOUSING&MOLDING:BLACK LCP UL94V−0;
- 3.2 TERMINAL:C7025 T=0.15mm;
- 3.3 SHELL:SUS304 T=0.30mm;
- 3.4 MID PLATE:SUS304 T=0.15mm;

4、PLATING SPECIFICATION:
- 4.1 TERMINAL:CONTACT POINT GOLD PLATED 3u "Min PIN WELDING AREA GOLD PLATED 1u" Min.
- 4.2 NI 40U" Min. UNDER PLATED OVER ALL.
- 4.2 SHELL:PLATED Ni 50u" MIN(Salt spray 48H)

5、ELECTROPLATED PRODUCTS NEED TO UNDERGO TIN ADHESION TESTING: THE TIN ADHESION AREA SHOULD REACH OVER 95%.

6、SMT REFLOW SOLDERING (PEAK VALUE 260 °C ± 5 ° C) SHALL BE FREE OF BLISTERING, GLUE MELTING AND POOR COLOR CHANGE (DEFORMATION WITHIN TOLERANCE)

7、OPERATING TEMPERATURE：−40°C~+85°C

A1	GND	B12	GND
A4	VBUS	B9	VBUS
A5	CC1	B8	SBU2
A6	D+	B7	D−
A7	D−	B6	D+
A8	SBU1	B5	CC2
A9	VBUS	B4	VBUS
A12	GND	B1	GND
PIN	SIGNAL NAME	PIN	SIGNAL NAME

QUADRANT POINT QP
TANGERCY POINT TP
INTERSECTION POINT IP

UNLESS OTHERWISE SPECIFIED,TOLERANCE:
X. ±0.25
X.x ±0.20
X.xx ±0.15
ANGULAR ±3°

联晟欣连接器（深圳）有限公司
Lianshengxin Connector (Shenzhen) Co., Ltd

DESIGN	Andy	DATE	2014.12.24	TITLE: TYPE C 16PIN 母座立插24.5		
CHECKED		DATE				
APPROVED		DATE				
PART NO: LCK−TCF816−L245WB−G3				REV: 04	SCALE: 1:1	UNIT: mm
DRAWING NO:				SIZE: A4	SHEET: 1/1	

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