



RECOMMENDER P.C.B. LAYOUT TOP VIEW  
(COMPONENT SIDE TOLERANCE±0.05)

**Material**  
 Housing Material: LCP, UL94V-0, blue  
 Contact Terminal: Brass  
 Metallic Shell: Spcc  
**Plating**  
 Underplating: Nickel  
 Contact Plating: 1µ" Gold  
 Solder Tail: 100µ" Min. Tin  
 Metallic Shell: Nickel  
**Electrical**  
 Voltage Rating: 100 V AC  
 Current Rating: 0.25A (Signal pins 2,3,5,6,7,8,9) 1.5A (Power Pins 1,4)  
 Contact Resistance: 30mΩ Max.  
 Insulation resistance: 1000MΩ Min.  
 Dielectric withstanding voltage: 100V AC/Minute  
**Mechanical**  
 Durability: 1500 cycles  
 Mating Force: 35N (3.57Kgf) Max  
 Unmating Force: 10N (1.02Kgf) Min. initial, 8N min after test  
**Environmental and Processing**  
 Operating Temperature: -40°C to +85°C

Pin #	SIGNAL NAME	DESCRIPTION	MATING SEQUENCE
1	VBUS	POWER	SECOND
2	D-	USB 3.0 DIFFERENTIAL PAIR	THIRD
3	D+		
4	GND	GROUND FOR POWER RETURN	SECOND
5	StdA_SSRX-	SUPERSPEED RECEIVER DIFFERENTIAL PAIR	LAST
6	StdA_SSRX+		
7	GND_DRAIN	GROUND FOR SIGNAL RETURN	
8	StdA_SSTX-	SUPERSPEED TRANSMITTER DIFFERENTIAL PAIR	
9	StdA_SSTX+		
Shell	Shield	CONNECTOR METAL SHELL	FIRST

U233-09XN-1BLPC15-X1  
 1:Au 1U"  
 5:Au 15U"  
 6:Au 30U"  
 S:Scrolls F:Flat

广东星坤科技股份有限公司  
 文件工程章

MARK	DESCRIPTION	DATE	REVISED	APPROVED	UNSPECIFIED TOLERANCES
ΔX					ANGULAR ±5°
ΔX					L ≤ 4 ±0.2
ΔX					4 < L ≤ 16 ±0.3
					16 < L ≤ 63 ±0.4
					L > 63 ±0.5



DSND	SCALE: N/A	MODEL TYPE: USB 3.0
DWN	VIEW:	PART NO.:
CHKD	UNIT: mm/in	DWG NO.: U233-09XN-1BLPC15-X1
APPD	SIZE: A4	WEIGHT
		SHEET 1/1
		REVISION A0