



Pin #	SIGNAL NAME	DESCRIPTION	MATING SEQUENCE
1	VBUS	POWER	SECOND
2	D-	USB 2.0 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	FRIST

**Material**  
Housing Material: PA9T, UL94V-0, green/blue  
Contact Terminal: Brass  
Metallic Shell: Brass  
**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) 3A (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

**U231-09XN-3XRC10**

B:BLACK W:WHITE  
BL:BLUE

1: Au 1U"  
5: Au 15U"  
6: Au 30U"

					ANGLAR	±5°	DSND	DATE	SCALE: N/A	MODEL TYPE:		
ΔX					$L \leq 4$	±0.2	DWN	DATE	VIEW:	USB 3.0		
ΔX					$4 < L \leq 16$	±0.3	CHKD	DATE	UNIT: mm/in	PART NO.:		
ΔX					$16 < L \leq 63$	±0.4	APPD	DATE	SIZE: A4	DWG NO.:		
MARK	DESCRIPTION	DATE	REVISED	APPROVED	$L > 63$	±0.5				U231-09XN-3XRC10		
REVISIONS					UNSPECIFIED TOLERANCES		KXB INDUSTRIAL PRECISION CO., LIMITED			WEIGHT	SHEET	REVISION
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