



RECOMMENDED PCB LAYOUT

Material

Housing Material: LCP, UL94V-0, black
 Contact Terminal: Phosphor bronze, T=0.25mm
 Metallic Shell: Brass, T=0.4mm

Plating

Contact Terminal
 Underplating: Nickel all over
 Contact Plating: 1μ" gold
 Solder Tail: Bright Tin
 Metallic Shell
 Underplating: Nickel 50μ" all over
 Metallic Shell: Matte Tin 50μ" all over

Electrical

Voltage Rating: 30VDC
 Current Rating: 1A
 Contact Resistance: 50mΩ Max
 Insulation resistance: 100MΩ Min (Apply 100 VDC)
 Dielectric withstanding voltage: No discharge or flash (100V AC is applied for 1 minute)

Mechanical

Durability: 5,000 cycles
 Mating Force: 35N (3.57KgF) Max
 Unmating Force: Initial - 7N (0.71KgF) Min., 5001st cycle - 3N (0.31KgF) Min.
 Environmental and Processing
 Operating Temperature: -50°C to +85°C

U215-05XN-4BP81

1:Au 1U"
 6:Au 30U"
 W:WHITE
 B:BLACK
 1:PBT
 2:PA6T
 3:PA9T
 4:LCP

					DSND		DATE		SCALE: N/A	MODEL TYPE: MINI USB		
					ANGLAR		DATE		VIEW:	PART NO.:		
Δx					$L \leq 4$		DATE		UNIT: mm	DWG NO.:		
Δx					$4 < L \leq 16$	± 0.2			SIZE: A4	U215-05XN-4BP81		
Δx					$16 < L \leq 63$	± 0.3				WEIGHT	SHEET	REVISION
MARK	DESCRIPTION	DATE	REVISED	APPROVED	$L > 63$	± 0.4				1.0g	1/1	A0
					UNSPECIFIED TOLERANCES					KOSOD TECHNOLOGY CO., LTD		
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