



KINGLEY RUBBER INDUSTRIAL CO., LTD.

Comparisons between gold plated pill and gold powder pill

Conductive pill	Gold plated copper pill	Gold powdered pill
Material	Silicone + Gold plated copper + Ni + Cu	Silicone mixed with Ni and gold powder
Surface finish	Gold plated solid copper, likely to wear out its assembled PCB layout	Soft gold powdered pill, won't wear out its assembled PCB layout
Lamination	Good bonding with silicone material	Excellent bonding with silicone material
Operation life	1 million life cycle	1 million life cycle
Advantages	Good conductivity, low resistance (Single sided, decelerate the manufacturing speed)	<ol style="list-style-type: none"> 1. Good conductivity, low resistance 2. No contamination concerns 3. Double sided, fasten the manufacturing processes 4. No oxidation concerns
Pill diameter	2 ϕ ~ 8 ϕ	2 ϕ ~ 8 ϕ
Thickness	0.15 ~ 0.25 mm	0.4~0.5 mm
Hardness	Solid plate	60~70 shore A
Contact resistance	<0.1 Ω	<0.5 Ω