



Item	Title	Material	Dispose	Remark
1	Shell	Stainless Steel	Ni:30u" Min.	///
2	EMI Plate	Stainless Steel	Clear Only	///
3	Mid Plate	Stainless Steel	Clear Only	///
4	Top Contact	Copper Alloy	Mating Area: See P/N	///
5	Bottom Contact	Copper Alloy	Solder Tails: CF	///
6	Insulator	High Temperature Plastic	UL 94V-0	Black

NOTE:

1.MATERIAL SPECIFICATION:

1-1.HOUSING:HIGH TEMPERATURE RESISTANT PLASTIC(LCP),
UL94 V-0. COLOR:BLACK.

1-2.CONTACTS:COPPER ALLOY(C18150)T=0.12mm

1-3.MID PLATE: STAINLESS STEEL(SUS301)T=0.15mm

1-4.EMI PLATE: STAINLESS STEEL(SUS301)T=0.10mm

1-5.SHELL: STAINLESS STEEL(SUS304)T=0.30mm

2.PLATING SPECIFICATION:

2-1.CONTACTS:

Ni 50u" MIN. UNDER PLATED OVER ALL.

Au PLATED ON THE MATING AREA OF CONTACT.

(GOLD PLATING THICKNESS FOLLOW THE P/N)

△ GOLD FLASH PLATED ON THE SOLDER AREA.

2-2.SHELL:

Ni 30u" MIN. UNDER PLATED OVER ALL.

2-3.MID PLATE:

CLEAR ONLY

2-4.EMI PLATE:

CLEAR ONLY

3.MECHANICAL PERFORMANCE,

3-1.INSERTION FORCE: 0.5~2.0kgf.

3-2.EXTRACTION FORCE: 0.8kgf~2.0kgf.

0.6kgf~2.0kgf. AFTER DURABILITY TEST.

3-3.DURABILITY: 10000 CYCLES.

4.ELECTRICAL PERFORMANCE,

4-1. CURRENT RATING:5.0A

VOLTAGE RATING:5.0V

4-2. LLCR:

VBUS & GND PINS AND OTHER PINS: 40mΩ/PIN MAX.

SHIELD: 50mΩ/MAX.

LLCR MAX. CHANGE OF ALL PINS: 10mΩ.

4-3.INSULATION RESISTANCE: 100MΩ MIN

4-4.DIELECTRIC WITHSTAND VOLTAGE,AC 100V FOR 1 MINUTE.

5. ENVIRONMENTAL PERFORMANCE:

OPERATING TEMPERATURE: -25 ~+85

6.IR REFLOW:

THE PEAK TEMPERATURE ON THE BOARD SHALL

BE MAINTAINED FOR 10 SECONDS AT 260°C.

TOLERANCE

SCALE UNIT mm

DRAW Walter DATE 5.5.2019

CHECK Wanda REV



SCHMID-M

TITLE

SM C04 1005 12 H=6,5mm

DESCRIPTION

USB C3.1.Female Height=6,5mm