

AK专用
HSF Compliant

REV.	ECN NO.	DESCRIPTION	DRAW	CHECK	APPD.	DATE
A0	—	新版发行	YIN	—	BENDEE	21-04-10

Specifications:

1.0 Electrical performance:

1.1 Contact resistance: 40mΩ max for initial.
10mΩ change after test. measure at 20mv, 100mA.

1.2 Dielectric withstanding voltage:AC 100V(rms).

1.3 Insulation resistance:100MΩ min.

1.4 Contact current rating:

3A for Vbus pin;4.25A for Vconn and GND pin;0.25A for all the other pin.

1.5 Voltage: 20 Vac (rms).

2.0 mechanical performance:

2.1 Mating force:5~20N

2.2 Unmating force:8~20N Initial test,
6~20N After test

2.3 Durability:10,000 cycles.

3.0 Environmental performance:

3.1 Temperature range:

3.2 Operating temperature:−40°to+85°.

3.3 Storage temperature:−20°to+60°.

4.0 Material:

4.1 Housing:LCP E130I Black,UL94−V0.

4.2 Contact:C7025,T=0.15mm

4.3 Mid-plate: SUS301,T=0.15mm

4.4 Shell:SUS304 T=0.30mm

4.5 Shell-EMI:SUS316 T=0.1

5.0 Plating specification:

5.1 Contact:Au(see table) plated on contact area
Matte Tin plated 50u"min on solder area;Nickel 50u"min underplating over all.

5.2 Shell: 50u" min nickel plating.

5.3 Shell-EMI:None plating.

料号备注 R=PACK-R0153

CT	3	F	123	D	XX	R	XX	XX	XX
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12=半金厚锡10"
13=半金厚锡30"
14=半金厚锡50"
15=半金厚锡150"
16=半金厚锡300"

00=LCP黑不锈钢壳镀镍

R=ROHS2.0标准
W=无卤+ROHS2.0
B=REACH标准

B=盐雾24H
C=盐雾48H

A1	GND	B12	GND
A2	N/A	B11	N/A
A3	N/A	B10	N/A
A4	VBUS	B9	VBUS
A5	CC1	B8	SBU2
A6	DP1	B7	DN2
A7	DN1	B6	DP2
A8	SBU1	B5	CC2
A9	VBUS	B4	VBUS
A10	N/A	B3	N/A
A11	N/A	B2	N/A
A12	GND	B1	GND
PIN	SIGNAL NAME	PIN	SIGNAL NAME

UNLESS OTHERWISE SPECIFIED TOLERANCES		APPROVAL		日期	品名	USB TYPE C RECEPTACLE 16P DIP CH1.88	
		制图	YIN	2021.04.10	规格		
X. +/-		审核				料号	
.X +/-		核准					
.XX +/-		文件位置				字张	
FRACTIONS +/-		ANGLE OF PROJECTION					
ANGLES +/-						工程图号:	
DIMENSIONS							
(METRIC)						DWG-CTCF-123	
(MM)							
						比例	
						状态码	
						A	
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