

RoHS Compliant

1

2

3

4

F

E

D

C

B

A

IPX7

1m/30min

ZONE A

ECN .NO.

DESCRIPTION INITIAL

DRAWING 林生财

DATE 2020.02.18

SPECIFICATIONS:

1.MECHANICAL PERFORMANCE,

1.1. INSERTION FORCE: 5~20N.

1.2. REMOVAL FORCE: 8~20N.

1.3. DURABILITY: 10000 CYCLES.

2.ELECTRICAL PERFORMANCE,

2.1. CURRENT RATING:3.0A

VOLTAGE RATING:12V

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

SHIELD: 50mΩ/MAX.

2.3.INSULATION RESISTANCE: 100MΩ MIN

2.4.DIELECTRIC WITHSTAND VOLTAGE,AC 100V FOR 1 MINUTE.

3.ENVIRONMENTAL PERFORMANCE:

OPERATING TEMPERATURE: -25°C~+85°C.

4. IR REFLOW: THE PEAK TEMPERATURE ON THE BOARD SHALL BE MAINTAINED FOR 10 SECONDS AT 260°C.

2.56±0.04

11.49

8.34^{+0.08}_{-0.02}

6.69

A1 A12

B12 B1

0.38

1.20

7.45

1.30

0.20

1.03

4.30

3.32

0.80

3.52

3.00

1.70

1.40

7.45

0.10

胶水

9.72

6.33

4.73

3.50

2.50

1.50

0.53

1.08

1.70

5.85

1.05

11.52

12.77

P.C.B EDGE

RECOMMENDED PCB LAYOUT(TOP VIEW)

DEFAULT TOLERANCE:±0.05

6.65 PLUG长度

4.37 插入深度

机壳厚度设计时注意PLUG的插入深度,防止插不到位。

机壳注意倒角

LZG

PCB

9.72

3.92

0.19

PLUG

机壳

胶圈与机壳建议周边干涉量

组装建议图

NO.	DESCRIPTION	MATERIAL	REMARKS	QTY
4	FRONT SHELL	STAINLESS STEEL	NICKEL PLATING	1
3	MID PLATE	STAINLESS STEEL	NICKEL PLATING	1
2	CONTACT	HIGH CONDUCTIVITY COPPER	Au/Ni PLATING	16
1	HOUSING	HIGH TEMP PLASTIC	COLOR BLACK	1

LZG

LZG INDUSTRIAL CO. LTD

PART NAME WATERPROFF TYPE C 16PIN

PART NO. ZB48005-16FBAP-A

TOLERANCE UNLESS OTHERWISE SPECIFIED: 0.0±0.3 0.00±0.2 0.00±0.05

0.°±2° 0.0°±1° 0.00°±0.5°

UNIT: mm

DRAWING: 林生财

CHECK: 李宏鑫

APPROVAL: 杨进宝

DRAWING NO. ZB48005-16FBAP-A

DATE: 2020.02.18

DATE: 2020.02.18

DATE: 2020.02.18

SCALE 1:1

MATERIAL *

DWG. NO.

SHEET 1/1

IPX7



1m/30min

ZONE	E C N . N O .	DESCRIPTION	DRAWING	DATE
A		INITIAL	林生财	2020.02.18

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VOLTAGE RATING: 12V
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SHIELD: 50mΩ/MAX.
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 - 2.4. DIELECTRIC WITHSTAND VOLTAGE, AC 100V FOR 1 MINUTE.
3. ENVIRONMENTAL PERFORMANCE:
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4. IR REFLOW: THE PEAK TEMPERATURE ON THE BOARD SHALL BE MAINTAINED FOR 10 SECONDS AT 260°C.

USB TYPE-C PIN ASSIGNMENTS			
PIN NUMBER	SIGNAL NAME	PIN NUMBER	SIGNAL NAME
A1	GND	B12	GND
A4	VBUS	B9	VBUS
A5	CC1	B8	SBU2
A6	Dp1	B7	Dn2
A7	Dn1	B6	Dp2
A8	SBU1	B5	CC2
A9	VBUS	B4	VBUS
A12	GND	B1	GND

4	FRONT SHELL	STAINLESS STEEL	NICKEL PLATING	1
3	MID PLATE	STAINLESS STEEL	NICKEL PLATING	1
2	CONTACT	HIGH CONDUCTIVITY COPPER	Au/Ni PLATING	16
1	HOUSING	HIGH TEMP PLASTIC	COLOR BLACK	1
NO.	DESCRIPTION	MATERIAL	REMARKS	QTY



LZG INDUSTRIAL CO. LTD

PART NAME	WATERPROOF TYPE C 16PIN	TOLERANCE UNLESS	0.0±0.3	0.±2'	UNIT: 
PART NO.	ZB48005-16FBAP-A	OTHERWISE SPECIFIED:	0.00±0.2	0.0'±1'	
			0.000±0.05	0.00'±0.5'	

DRAWING:	林生財	DATE:	2020.02.18	SCALE	1:1
CHECK:	李宏鑫	DATE:	2020.02.18	MATERIAL	*
APPROVAL:	楊進寶	DATE:	2020.02.18	DWG. NO.	
DRAWING NO.	ZB48005-16FBAP-A			SHEET	1/1