

1 2 3 4 5 6 7 8 9 10

G

F

E

D

C

B

A

1.00

Ø1.20

5.50

45.00

7.20

0.80

1.20

1.50

1.30

8.00

6.40

7.60

6.40

9.60

11.20

6.30

11.10

A

A

12.60

2.75

16.60

Ø2.50

0.30

42.50

7.80

4.00

5.70

7.20

Epoxy

Section A-A

38.60

11.00

Epoxy

BACK VIEW

Recommended PCB Layout
General Tolerance: ±0.05mm

REV.	DESCRIPTION	DRAWN	DATE
1	INITIAL RELEASE	FROS	2026/07/20

SPECIFICATION:

- ELECTRICAL**
 - Current Rating: 30A/ power pin, 5A/ signal pin
 - Voltage Rating: 60VDC
 - Contact Resistance: 30mΩ
 - Insulation Resistance: 1000MΩ
 - Dielectric Withstanding Voltage: 500VAC
- MECHANICAL**
 - Durability: 3,000 Cycle
 - Mating Force: 8kg
 - Un mating Force: 0.5kg
- ENVIRONMENTAL**
 - Operating temperature range: -40°C~+125°C
 - Storage temperature range: -40°C~+125°C
 - Waterproof: IP67
- SOLDER ABILITY**
 - Solder Temperature: 245°C

NO.	PART NAME	DESCRIPTION
4	GLUE	EPOXY
3	SIGNAL TER.	Copper alloy 0.8T, 120u" Nickel
2	POWER TER.	Copper alloy 1.5T, 120u" Nickel
1	HOUSING	Thermoplastic, UL94V-0, Black

UNLESS OTHERWISE SPECIFIED TOLERANCE			
UNIT:	DECIMAL	LINEAR	ANGLES
mm	X.	±0.50	±5°
	X.X	±0.25	±3°
	X.XX	±0.12	±1°

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DRAWN	Fros	2026/07/20	DRAWN NAME:	
CHECKED	Tim	2026/07/20	Blade Battery Connector, Male, DIP, Vertical, H=12.6, 13 Pin, IP67, 30A	
APPROVED	Ken	2026/07/20	PRODUCT NO.	304B-3813PN2
SCALE	1/1	SHEET	1/1	SIZE
FILE NAME	304B-3813PN2_B_1			

ATTEND

1 2 3 4 5 6 7 8 9 10