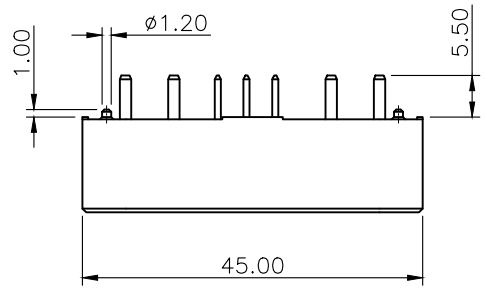
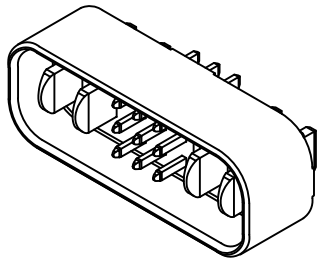
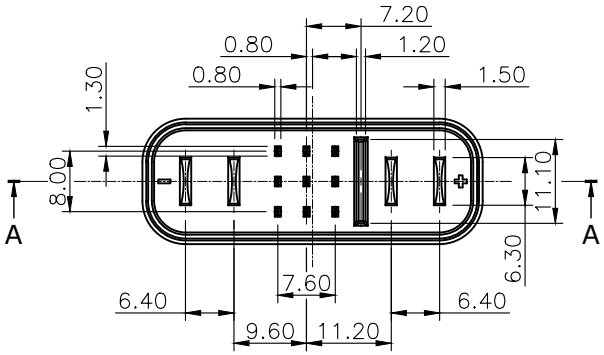
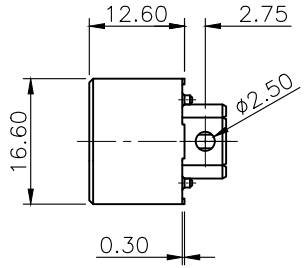
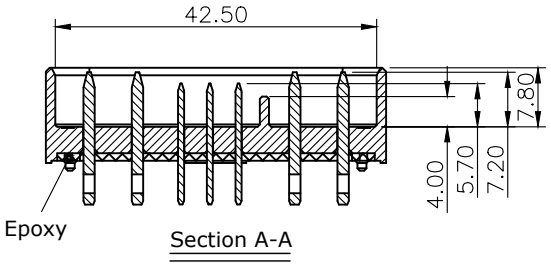
REV.	DESCRIPTION	DRAWN	DATE
1	INITIAL RELEASE	FROS	2026/07/20



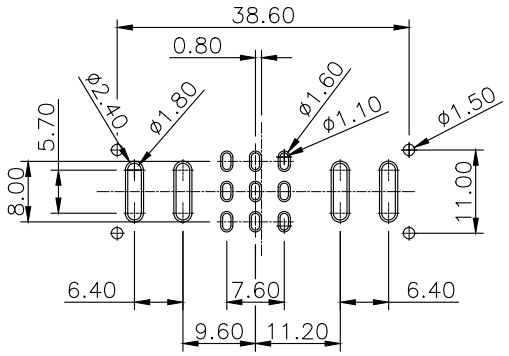


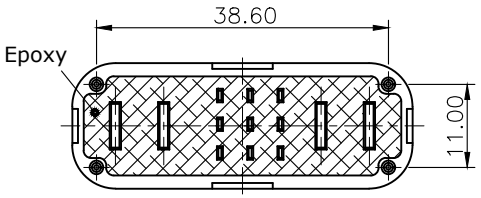






Section A-A





BACK VIEW

Recommended PCB Layout
General Tolerance: ±0.05mm

SPECIFICATION:

1. ELECTRICAL
1.1 Current Rating: 30A/ power pin, 5A/ signal pin
1.2 Voltage Rating: 60VDC
1.3 Contact Resistance: 30mΩ
1.4 Insulation Resistance: 1000MΩ
1.5 Dielectric Withstanding Voltage: 500VAC

2. MECHANICAL
2.1 Durability: 3,000 Cycle
2.2 Mating Force: 8kg
2.3 Un mating Force: 0.5kg

3. ENVIRONMENTAL
3.1 Operating temperature range: -40°C~+105°C
3.2 Storage temperature range: -40°C~+105°C
3.3 Waterproof: IP67

4. SOLDER ABILITY
4.1 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.X	±0.38	±5°
	X.XX	±0.25	±3°
	X.XXX	±0.13	±1°

ATTEND
www.attend.com.tw

DRAWN	Fros	2026/07/20
CHECKED	Tim	2026/07/20
APPROVED	Ken	2026/07/20

DRAWN NAME: Blade Battery Connector, Male, DIP, Vertical, H=12.6, 13 Pin, IP67, 30A

SCALE	SHEET	SIZE	PRODUCT NO.	304B-3813PN2
1/1	1/1	A4	FILE NAME	304B-3813PN2_B_1