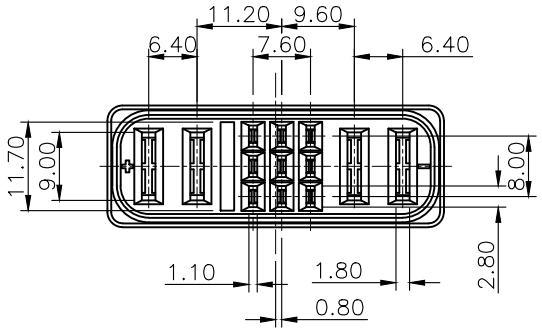
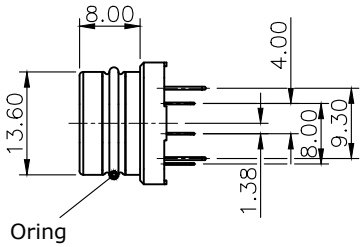
REV.	DESCRIPTION	DRAWN	DATE
1	INITIAL RELEASE	FROS	2026/07/20





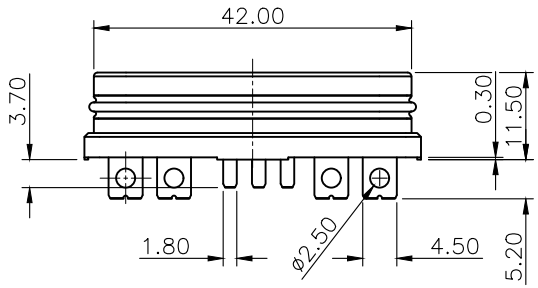
SPECIFICATION:

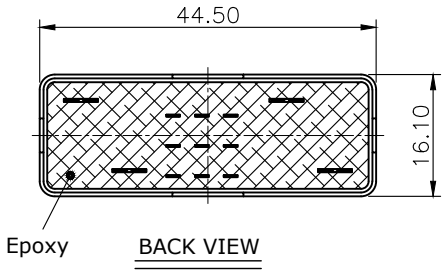
1. ELECTRICAL
1.1 Current Rating: 30A/ power pin, 5A/ signal pin
1.2 Voltage Rating: 60VDC
1.3 Contact Resistance: 30mΩ
1.4 Insulation Resistance: 1000MΩ
1.5 Dielectric Withstanding Voltage: 500VAC

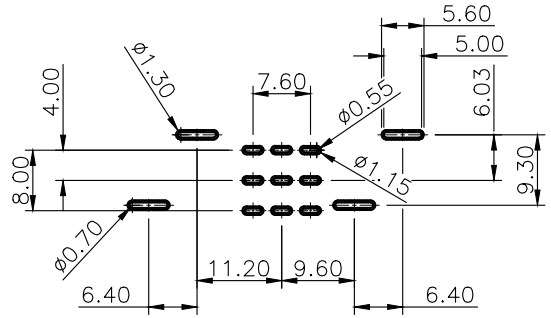
2. MECHANICAL
2.1 Durability: 3,000 Cycle
2.2 Mating Force: 8kg
2.3 Un mating Force: 0.5kg

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

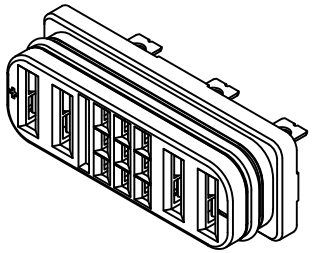
4. SOLDER ABILITY
4.1 Solder Temperature: 245°C







Recommended PCB Layout
General Tolerance: ±0.05mm



NO.	PART NAME	DESCRIPTION
4	GLUE	EPOXY
3	ORING	Rubber
2	CONTACT	Copper alloy, 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	DRAWN NAME: Blade Battery Connector, Female, DIP, Vertical, H=11.5, 13 Pin, IP67, 30A
CHECKED	Tim	2026/07/20	
APPROVED	Ken	2026/07/20	PRODUCT NO. 304B-3813SN2
	SCALE 1/1	SHEET 1/1	SIZE A4 — FILE NAME 304B-3813SN2_B_1