

Kinghelm®

A

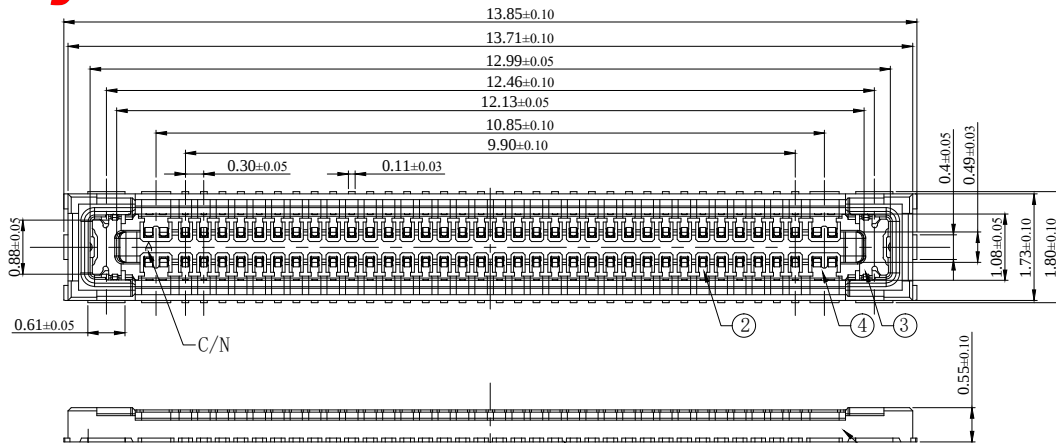
B

C

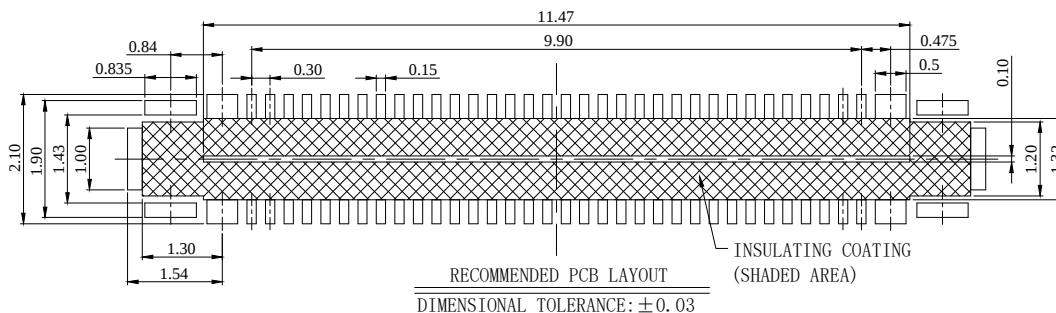
D

E

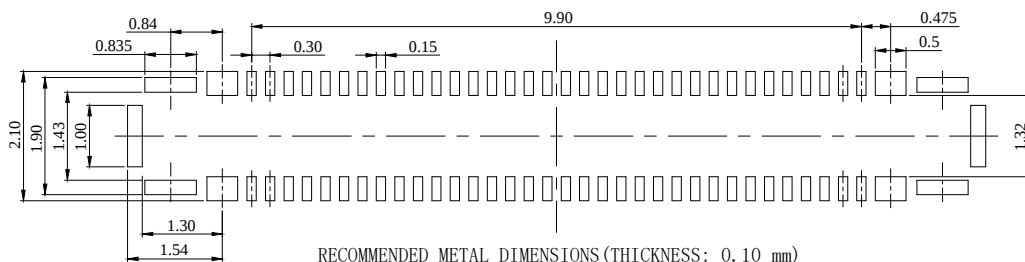
F



0.08Max
0.10Max (after reflow soldering)

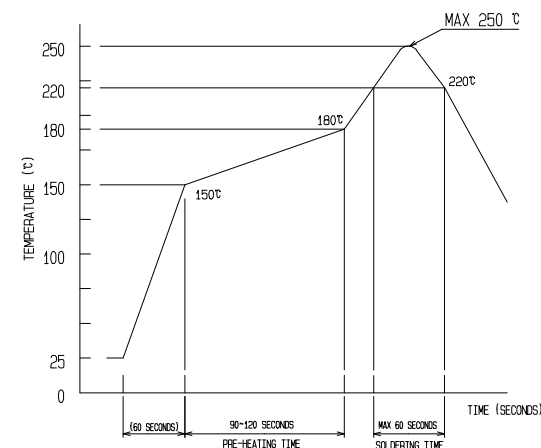
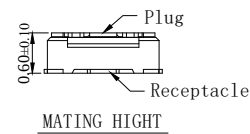


RECOMMENDED PCB LAYOUT
DIMENSIONAL TOLERANCE: ±0.03



RECOMMENDED METAL DIMENSIONS (THICKNESS: 0.10 mm)
DIMENSIONAL TOLERANCE: ±0.01

REV.	ECN NUMBER	DESCRIPTION	DAET	DRAWN	CHECKED	APPROVED
X1	/	NEW	2024.05.24	Qiang	GONG	LEO



NOTE:

1:SPECIFICATION:

- 1.1 Voltage Rating: 60V AC/DC
- 1.2 Rated current : For signal pin 0.3 AMPS/Pin
For power pin 5 AMPS / Pin
- 1.3 Temperature Range: -40 °C to +85°C
- 1.4 Contact Resistance:
Signalpin:Initial:50mΩ MAX
AFTER TEST:Δ20mΩ
Power pin:Initial:15mΩ MAX
AFTER TEST:15mΩ MAX
- 1.5 Insulation Resistance
Initial: 1000 MΩ Minimum.
After test: 1000 MΩ Minimum.
- 1.6 Dielectric Withstanding Voltage
NO EVIDENCE OF BREAKDOWN IN AC 250 V,
1 MINUTE
- 1.7 MATING-UNMATING FORCE:
MATING FORCE: 1 CYCLE: 48N MAX
30 CYCLE:48N MAX
UNMATING FORCE:1 CYCLE: 21.6N MIN
30 CYCLE:18N MIN
- 1.8 SALT WATER SPRAY: TEMPERATURE 35°C±2°C
DENSITY OF SALT WATER 5±1%
DURATION:48±2 HOUR
Storage Temperature Range -40°C to +85°C
0 to 90 % RH (Relative humidity).

4	POWER CONTACT-B	COPPER ALLOY, AuAu* Min ON CONTACT AREA, AuAu* Min ON SOLDER AREA, Ni 50u*Min ALL OVER			
3	POWER CONTACT-A	COPPER ALLOY, AuAu* Min ON CONTACT AREA, AuAu* Min ON SOLDER AREA, Ni 50u*Min ALL OVER	7	REEL	PLASTIC
2	SIGNAL CONTACT	COPPER ALLOY, AuAu* Min ON CONTACT AREA, AuAu* Min ON SOLDER AREA, Ni 50u*Min ALL OVER	6	COVER TAPE	PLVYESTER
1	HOUSING	LCP , BLACK, UL 94 V-0	5	EMBOSSED CARRIER TAPE	PS
NO.	PART NAME	DESCRIPTION , REMARKS	NO.	PART NAME	DESCRIPTION , REMARKS
GENERAL	TOLERANCE	UNITS:mm	SCALE 1 : 1		
X. ± 0.30	X.* ± 5°	APPROVED	LEO		
.X ± 0.20	.X* ± 3°	CHECKED	Gong		
.XX ± 0.15	.XX* ± 2°	DESIGNED	Qiang		
TITLE: BTB CONN, REC, MH0.6, P0.30mm, 68+6pin					
DRAWING NO. : C-BB0043R-01					X1
PART NO. : KH-BB0043R68A					1/2

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