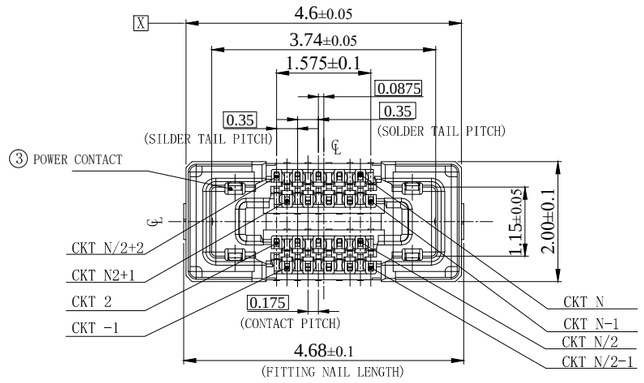
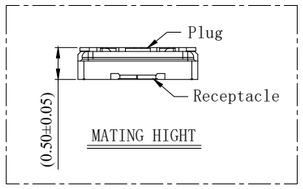
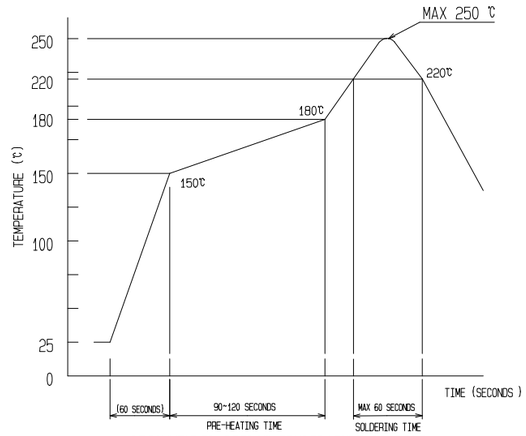
Rohs 2.0 Compliant | Pb Lead-free | **HF**

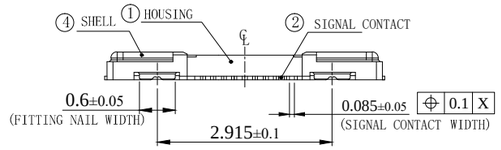
REV.	ECN NUMBER	DESCRIPTION	DAET	DRAWN	CHECKED	APPROVED
X1	/	NEW	2025.11.14	Qiang	GONG	LEO

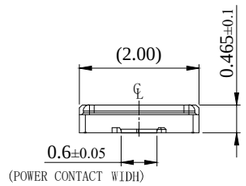




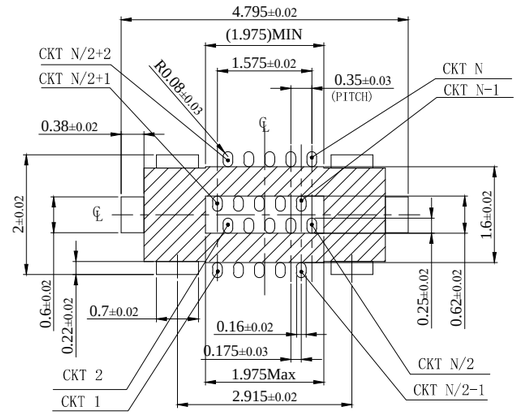


RECOMMENDED REFLOW TEMPERATURE PROFILE
USIN LEAD-FREE SOLDER PASTE



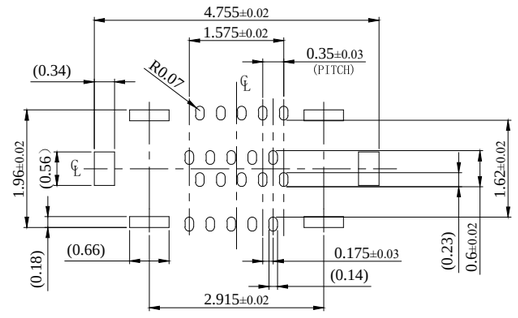


NOTE:
1:SPECIFICATION:
- 1.1 Voltage Rating: 50V AC/DC
- 1.2 Rated current : signal contact 0.30 AMPS/Pin
  power contact 5 AMPS Max/
  (All power Pin)
- 1.3 Temperature Range: −40 ℃ to +85℃
- 1.4 Contact Resistance:
  Signalpin:Initial:35mΩ MAX
  AFTER TEST:45mΩ
  Power pin:Initial:15mΩ MAX
  AFTER TEST:15mΩ MAX
- 1.5 Insulation Resistance
  Initial: 100 MΩ Minimum.
  After test: 100 MΩ Minimum.
- 1.6 Dielectric Withstanding Voltage
  NO EVIDANCE OF BREAKDOWN IN AC 100 V, 1 MINUTE
- 1.7 MATING−UNMATING FORCE:
  MATING FORCE: 30N MAX
  UNMATING FORCE: 3N MIN
- 1.8 SALT WATER SPRAY: TEMPERATURE 35°C±2°C
  DENSITY OF SALT WATER 5±1%
  DURATION:48±2 HOUR
- 1.9 Storage Temperature Range −40°C to +85°C
  0 to 90 % RH (Relative humidity).



RECOMMENDED P.W.BOARD PATTERN LAYOUT (REFERENCE)
(SM OPENING DIMENSION)

SOLDERING PROHIBTED AREA
WHEN WIRING IS LOCATED
THE WIRING MUST BE MASKED BY COVER LAY OR RESIST FILM



RECOMMENDED METAL MASK LAYOUT(REFERENCE)

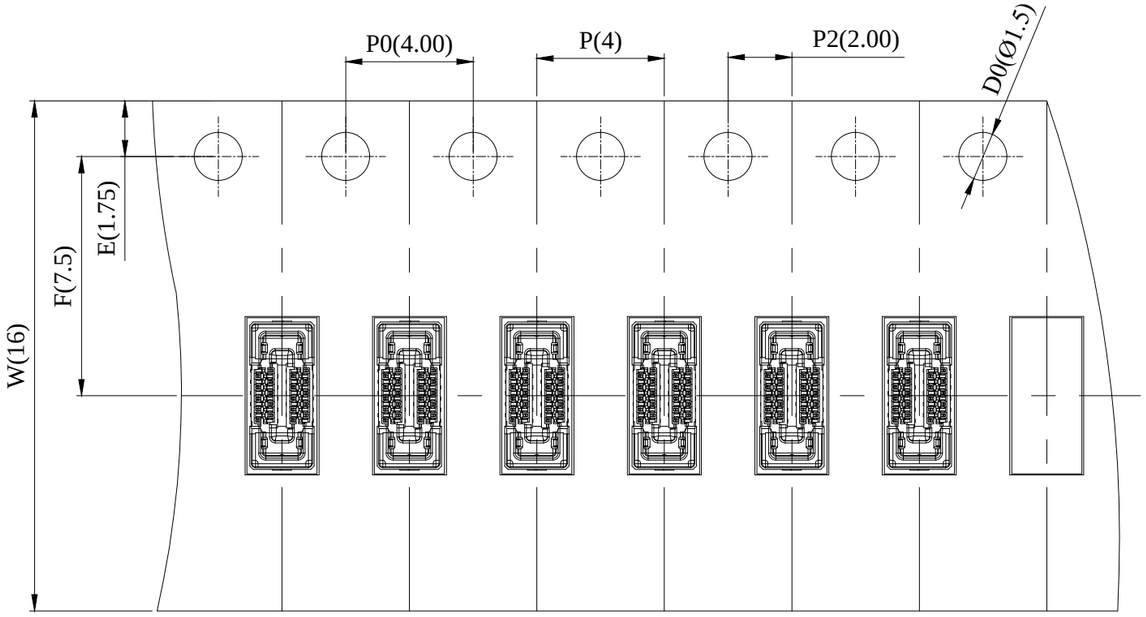
RECOMMENDED THICKNESS OF METAL MASK:T=0.08mm
RECOMMENDED OPEN APERTURE RATIO OF METAL MASK:80%

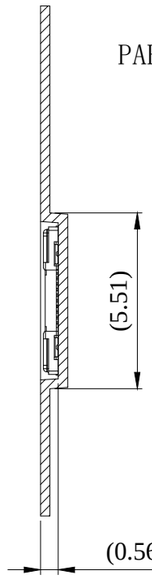
NO.	PART NAME	DESCRIPTION , REMARKS	NO.	PART NAME	DESCRIPTION , REMARKS
4	SHELL	COPPER ALLOY,Au1u" Min ON SOLDER AREA,Ni 50u"Min ALL OVER	6	REEL	PLASTIC
3	POWER CONTACT	COPPER ALLOY,Au4u" Min ON CONTACT AREA,Au2u" Min ON SOLDER AREA,Ni 50u"Min ALL OVER	6	REEL	PLASTIC
2	SIGNAL CONTACT	COPPER ALLOY,Au4u" Min ON CONTACT AREA,Au2u" Min ON SOLDER AREA,Ni 50u"Min ALL OVER	5	COVER TAPE	PLLYESTER
1	HOUSING	LCP ,BLACK,UL 94 V-0	4	EMBOSSED CARRIER TAPE	PS

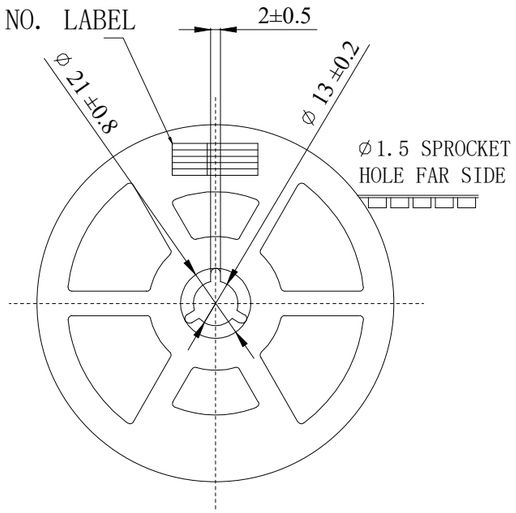
GENERAL	TOLERANCE	UNITS:mm	SCALE 1 : 1	TITLE:	BTB CONN,REC,MH0.5,P0.175mm,20pin	
X. ± 0.30	X.° ± 5°	APRROVED	LEO			
.X ± 0.20	.X° ± 3°	CHECKED	Gong	DRAWING NO. :	C-BB0088R-2	X1
.XX ± 0.15	.XX° ± 2°	DESIGNED	Qiang	PART NO. :	BB0088R20A	1/2

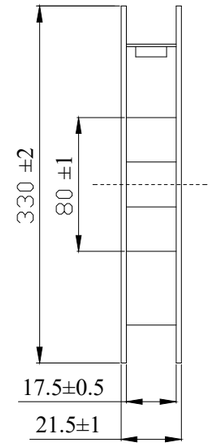
元精技术

Rohs 2.0 Compliant | Pb Lead-free | HF

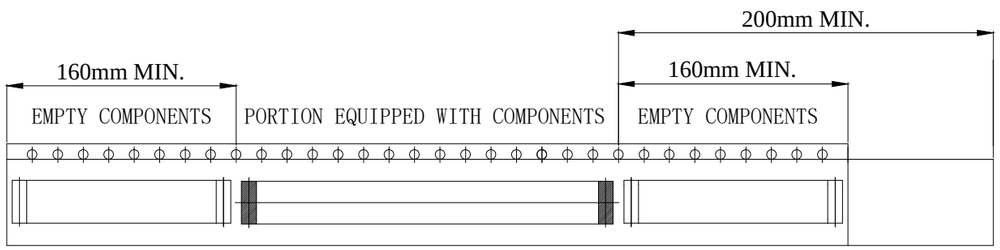








DIRECTION OF UNREELING



STYLE AND DIMENSION OF REEL

PER REEL 15000 CONNECTORS

NO.	PART NAME	DESCRIPTION , REMARKS	NO.	PART NAME	DESCRIPTION , REMARKS

GENERAL	TOLERANCE	UNITS: mm	SCALE 1 : 1
X. ± 0.30	X.° ± 5°	APRROVED	LEO
.X ± 0.20	.X° ± 3°	CHECKED	Gong
.XX ± 0.15	.XX° ± 2°	DESIGNED	Qiang

CPT 元精技术

TITLE:	BTB CONN, REC, MH0.5, P0.175mm, 20pin
DRAWING NO. :	C-BB0088R-2 X1
PART NO. :	BB0088R20A 2/2