

Rohs 2.0
Compliant



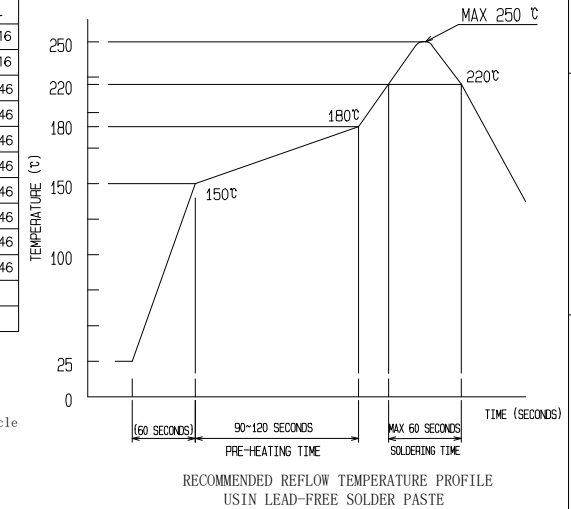
HF



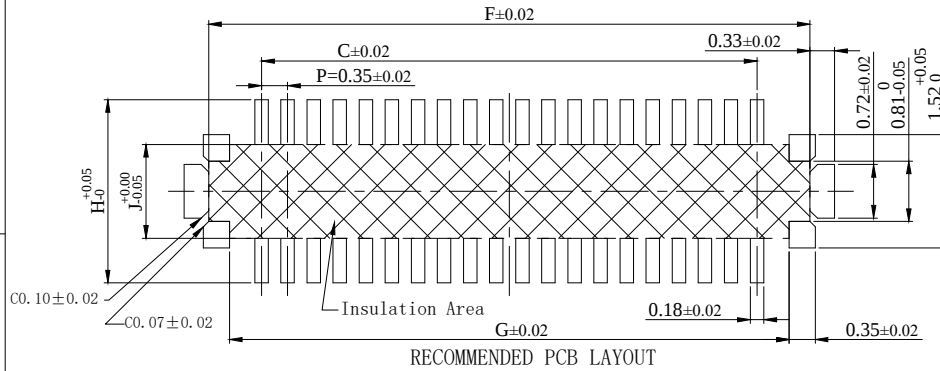
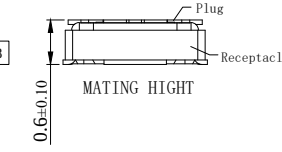
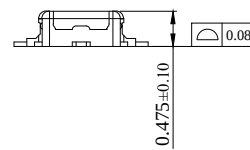
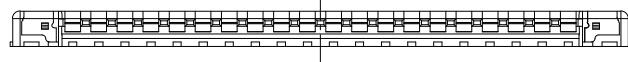
REV.	ECN NUMBER	DESCRIPTION	DAET	DRAWN	CHECKED	APPROVED
A	/	NEW	2023.05.28	Qiang	GONG	LEO
B	ECN24-0008	增加接点, 增加过大电流能力至7A	2024.03.23	Qiang	GONG	LEO
C	ECN24-0033	增加环保标识, 更正绝缘阻抗为50 MΩ	2024.11.21	Qiang	GONG	LEO

TABLE:

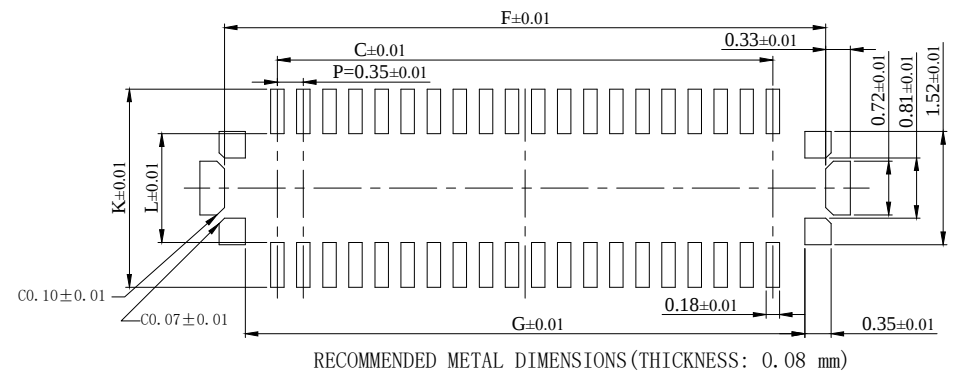
P/N	No. of PIN	DIM										
		A	B	C	D	E	F	G	H	J	K	L
BB0009P06A	6PIN	2.35	2.31	0.70	1.60	1.665	2.12	1.56	2.16	1.06	2.26	1.16
BB0009P10A	10PIN	3.05	3.01	1.40	1.60	2.365	2.82	2.26	2.16	1.06	2.26	1.16
BB0009P16A	16PIN	4.10	4.06	2.45	1.80	3.415	3.87	3.31	2.46	1.26	2.66	1.46
BB0009P24A	24PIN	5.50	5.46	3.85	1.80	4.815	5.27	4.71	2.46	1.26	2.66	1.46
BB0009P30A	30PIN	6.55	6.51	4.90	1.80	5.865	6.32	5.76	2.46	1.26	2.66	1.46
BB0009P32A	32PIN	6.90	6.86	5.25	1.80	6.215	6.67	6.11	2.46	1.26	2.66	1.46
BB0009P34A	34PIN	7.25	7.21	5.60	1.80	6.565	7.02	6.46	2.46	1.26	2.66	1.46
BB0009P40A	40PIN	8.30	8.26	6.65	1.80	7.615	8.07	7.51	2.46	1.26	2.66	1.46
BB0009P50A	50PIN	10.05	10.01	8.40	1.80	9.365	9.82	9.26	2.46	1.26	2.66	1.46
BB0009P60A	60PIN	11.80	11.76	10.15	1.80	11.115	11.57	11.01	2.46	1.26	2.66	1.46



RECOMMENDED REFLOW TEMPERATURE PROFILE
USIN LEAD-FREE SOLDER PASTE



RECOMMENDED PCB LAYOUT



RECOMMENDED METAL DIMENSIONS (THICKNESS: 0.08 mm)

NOTES:

- 1.0 VOLTAGE: 30V AC/DC
- 2.0 CURRENT: 0.3A/SIGNAL CONTACT, 7A/POWER CONTACT
- 3.0 OPERATION TEMPERATURE: -40° C to 85° C
- 4.0 CONTACT RESISTANCE: 90mΩ /SIGNAL CONTACT, 30mΩ /POWER CONTACT
- 5.0 INSULATION RESISTANCE: 50MΩ MIN INITIAL
- 6.0 DIELECTRIC WITHSTANDING VOLTAGE: 100V AC FOR ONE MINUTE
- 7.0 DURABILITY: 30 CYCLES
- 8.0 IR REFLOW CYCLE: 2 CYCLES MAX.

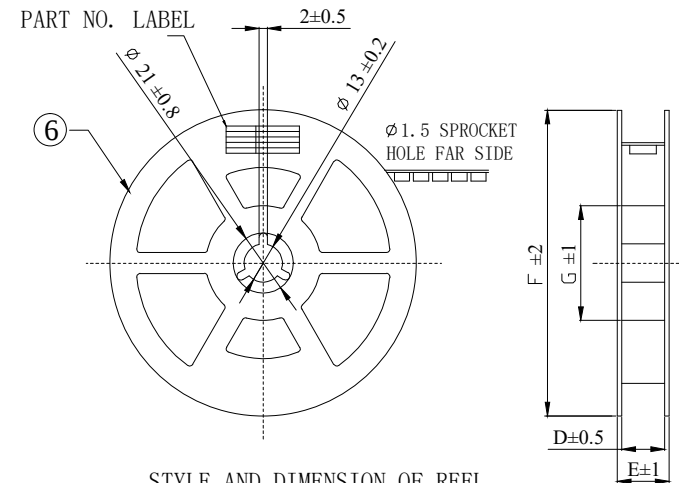
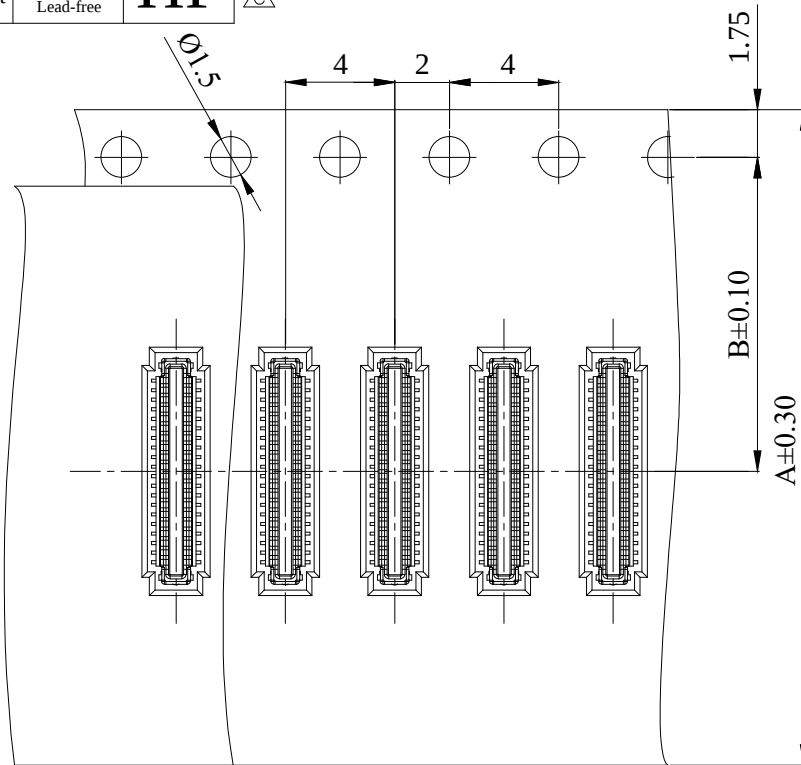
CPT 元精技术

3	POWER CONTACT	COPPER ALLOY, Au4u" Min ON CONTACT AREA, Au1u" Min ON SOLDER AREA, Ni 50u"Min ALL OVER		6	REEL	PLASTIC
2	SIGNAL CONTACT	COPPER ALLOY, Au4u" Min ON CONTACT AREA, Au1u" Min ON SOLDER AREA, Ni 50u"Min ALL OVER		5	COVER TAPE	PLYESTER
1	HOUSING	LCP, BLACK, UL 94 V-0		4	EMBOSSED CARRIER TAPE	PS
NO.	PART NAME	DESCRIPTION , REMARKS		NO.	PART NAME	DESCRIPTION , REMARKS
GENERAL		TOLERANCE	UNITS:mm	TITLE: BTB CONN, Plug, MHO. 60, PO. 35mm		
X. ± 0.30		X." ± 5°	APPROVED	DRAWING NO. : C-BB0009P-1		
.X ± 0.20		.X" ± 3°	CHECKED	PART NO. : SEE TABLE		
.XX ± 0.15		.XX" ± 2°	DESIGNED	1/2		

Rohs 2.0
Compliant



HF



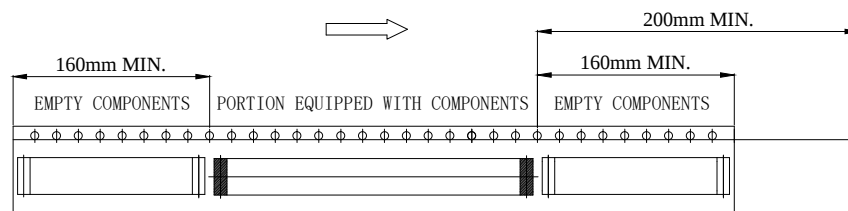
STYLE AND DIMENSION OF REEL

PER REEL 15000 CONNECTORS

TABLE:

P/N	No,of PIN	DIM						
		A	B	C	D	E	F	G
BB0009P06A	6PIN	12.0	5.5	2.46	13.5	17.5	330	80
BB0009P10A	10PIN	16.0	7.5	3.16	17.5	21.5	330	80
BB0009P16A	16PIN	16.0	7.5	4.21	17.5	21.5	330	80
BB0009P24A	24PIN	16.0	7.5	5.61	17.5	21.5	330	80
BB0009P30A	30PIN	16.0	7.5	6.66	17.5	21.5	330	80
BB0009P32A	32PIN	24.0	11.5	7.01	25.5	29.5	330	80
BB0009P34A	34PIN	24.0	11.5	7.36	25.5	29.5	330	80
BB0009P40A	40PIN	24.0	11.5	8.41	25.5	29.5	330	80
BB0009P50A	50PIN	24.0	11.5	10.16	25.5	29.5	330	80
BB0009P60A	60PIN	24.0	11.5	11.91	25.5	29.5	330	80

DIRECTION OF UNREELING



TRAILER

TAPING (FREE)

LEADER

CPT 元精技术

NO.	PART NAME	DESCRIPTION , REMARKS		NO.	PART NAME
GENERAL		UNITS:mm	SCALE 1 : 1	TITLE: BTB CONN, P1ug, MHO. 6, P0. 35mm	
.X. ± 0.30	X.* ± 5°	APPROVED	LEO	DRAWING NO. : C-BB0009P-1	
.X ± 0.20	.X* ± 3°	CHECKED	TOM	PART NO. : SEE TABLE	
.XX ± 0.15	.XX* ± 2°	DESIGNED	GONG		

Rohs 2.0
Compliant

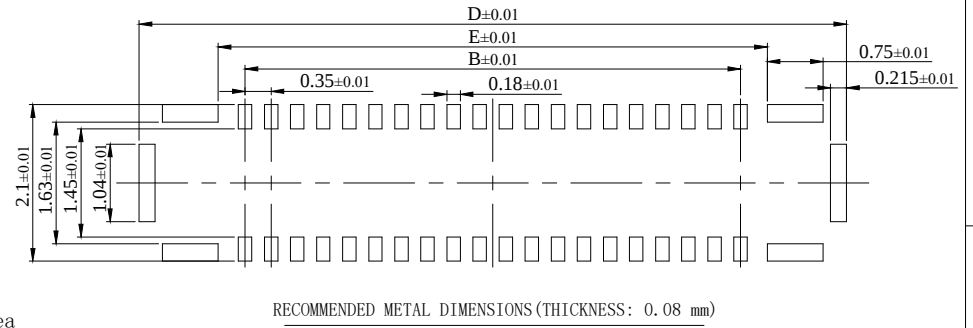
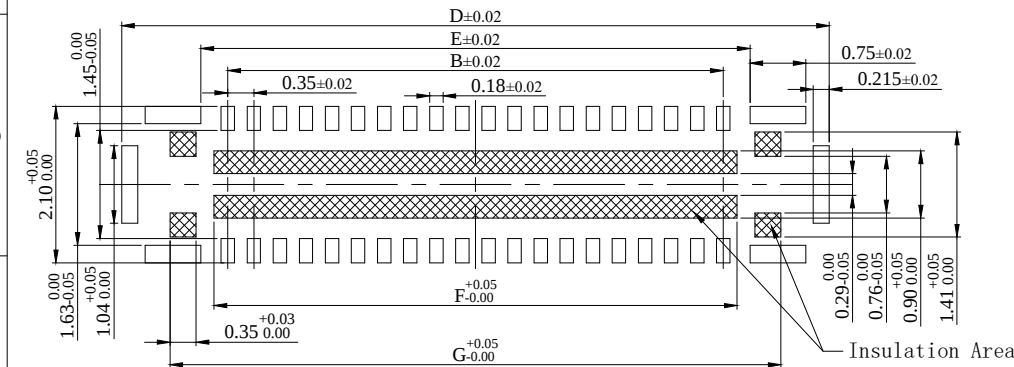
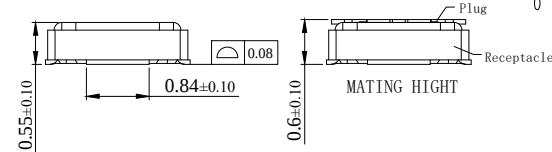
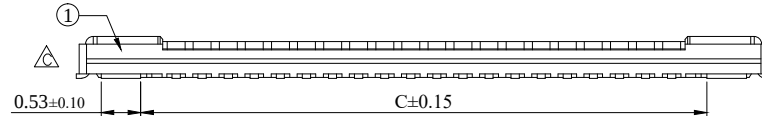
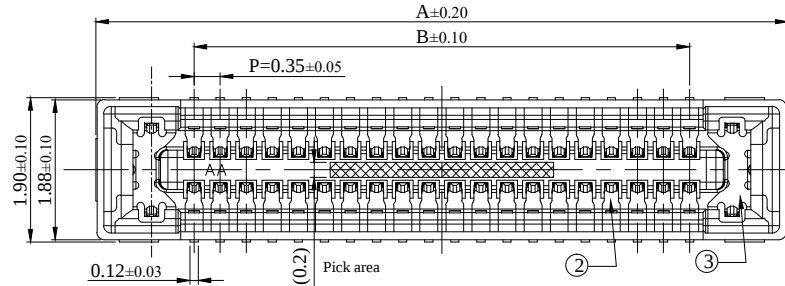
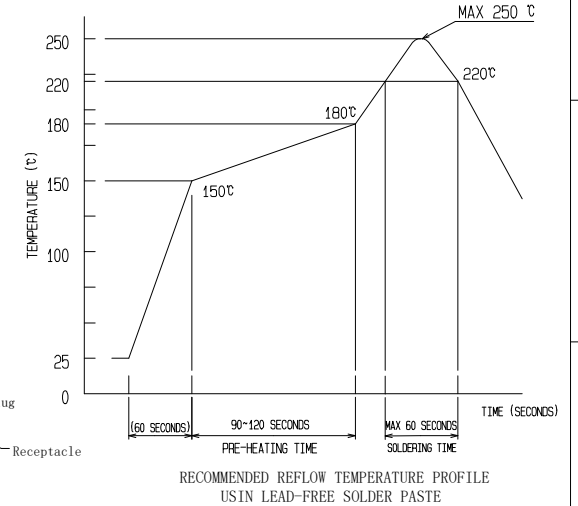


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REV.	ECN NUMBER	DESCRIPTION	DAET	DRAWN	CHECKED	APPROVED
A	/	NEW	2023.01.04	GONG	/	LEO
B	ECN24-0009	增加接点, 提升过大电流能力至7A	2024.03.28	Qiang	GONG	LEO
C	ECN24-0034	增加环保标识, 删除侧视图多余线条	2024.11.21	Qiang	GONG	LEO

TABLE:

P/N	No. of PIN	DIM						
		A	B	C	D	E	F	G
BB0009R06A	6PIN	3.30	0.70	1.62	3.545	1.42	1.07	2.25
BB0009R10A	10PIN	4.00	1.40	2.32	4.245	2.12	1.77	2.95
BB0009R16A	16PIN	5.05	2.45	3.37	5.295	3.17	2.82	4.00
BB0009R24A	24PIN	6.45	3.85	4.77	6.695	4.57	4.22	5.40
BB0009R30A	30PIN	7.50	4.90	5.82	7.745	5.62	5.27	6.45
BB0009R32A	32PIN	7.85	5.25	6.17	8.095	5.97	5.62	6.80
BB0009R34A	34PIN	8.20	5.60	6.52	8.445	6.32	5.97	7.15
BB0009R40A	40PIN	9.25	6.65	7.57	9.495	7.37	7.02	8.20
BB0009R50A	50PIN	11.00	8.40	9.32	11.245	9.12	8.77	9.95
BB0009R60A	60PIN	12.75	10.15	11.07	12.995	10.87	10.52	11.70



RECOMMENDED PCB LAYOUT

NOTES:

- 1.0 VOLTAGE: 30V AC/DC
- 2.0 CURRENT: 0.3A/SIGNAL CONTACT, 7A/POWER CONTACT
- 3.0 OPERATION TEMPERATURE: -40° C to 85° C
- 4.0 CONTACT RESISTANCE: 90mΩ /SIGNAL CONTACT, 30mΩ /POWER CONTACT
- 5.0 INSULATION RESISTANCE: 50MΩ MIN INITIAL
- 6.0 DIELECTIC WITHSTANDING VOLTAGE: 100V AC FOR ONE MINUTE
- 7.0 DURABILITY: 30 CYCLES
- 8.0 IR REFLOW CYCLE: 2 CYCLES MAX.

CPT 元精技术

3	POWER CONTACT	COPPER ALLOY, AuAu" Min ON CONTACT AREA, AuAu" Min ON SOLDER AREA, Ni 50u"Min ALL OVER			6	REEL	PLASTIC
2	SIGNAL CONTACT	COPPER ALLOY, AuAu" Min ON CONTACT AREA, AuAu" Min ON SOLDER AREA, Ni 50u"Min ALL OVER			5	COVER TAPE	PLYESTER
1	HOUSING	LCP, BLACK, UL 94 V-0			4	EMBOSSED CARRIER TAPE	PS
NO.	PART NAME	DESCRIPTION , REMARKS			NO.	PART NAME	DESCRIPTION , REMARKS
GENERAL		TOLERANCE	UNITS:mm	SCALE 1 : 1	TITLE: BTB CONN, REC, MH0. 60, PO. 35mm		
X. ± 0.30	X.* ± 5°	APPROVED	LEO		DRAWING NO. : C-BB0009R-1		C
.X ± 0.20	.X.* ± 3°	CHECKED	Tom		PART NO. : SEE TABLE		
.XX ± 0.15	.XX.* ± 2°	DESIGNED	GONG				

Rohs 2.0
Compliant



HF



4.00

2.00

4.00

1.75

B±0.10

A±0.30

Ø1.50

PART NO. LABEL

2±0.5

Ø 21 ±0.8

Ø 13 ±0.2

Ø 1.5 SPROCKET
HOLE FAR SIDE

F ±2

G ±1

D±0.5

E±1

STYLE AND DIMENSION OF REEL

PER REEL 15000 CONNECTORS

TABLE:

P/N	No,of PIN	DIM						
		A	B	C	D	E	F	G
BB0009R06A	6PIN	12.0	5.5	3.4	13.5	17.5	330	80
BB0009R10A	10PIN	16.0	7.5	4.10	17.5	21.5	330	80
BB0009R16A	16PIN	16.0	7.5	5.15	17.5	21.5	330	80
BB0009R24A	24PIN	16.0	7.5	6.55	17.5	21.5	330	80
BB0009R30A	30PIN	16.0	7.5	7.60	17.5	21.5	330	80
BB0009R32A	32PIN	24.0	11.5	7.95	25.5	29.5	330	80
BB0009R34A	34PIN	24.0	11.5	8.30	25.5	29.5	330	80
BB0009R40A	40PIN	24.0	11.5	9.35	25.5	29.5	330	80
BB0009R50A	50PIN	24.0	11.5	11.10	25.5	29.5	330	80
BB0009R60A	60PIN	24.0	11.5	12.85	25.5	29.5	330	80

DIRECTION OF UNREELING



200mm MIN.

160mm MIN.

160mm MIN.

EMPTY COMPONENTS

PORTION EQUIPPED WITH COMPONENTS

EMPTY COMPONENTS

TRAILER

TAPING (FREE)

LEADER

CPT 元精技术

NO.	PART NAME	DESCRIPTION , REMARKS			NO.	PART NAME	DESCRIPTION , REMARKS
GENERAL	TOLERANCE	UNITS:mm	SCALE 1 : 1		TITLE: BTB CONN, REC, M10. 6, P0. 35mm		
.X. ± 0.30	X.* ± 5"	APPROVED	LEO		DRAWING NO. : C-BB0009R-1		C
.X ± 0.20	.X* ± 3"	CHECKED	Tom		PART NO. : SEE TABLE		2
.XX ± 0.15	.XX* ± 2"	DESIGNED	GONG				

2/2