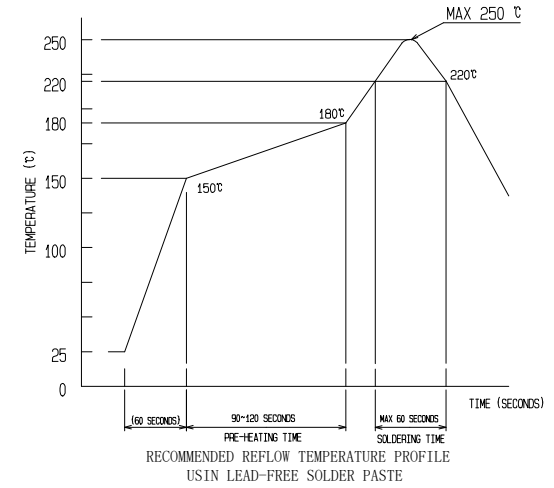
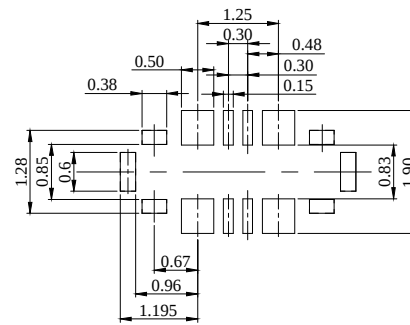
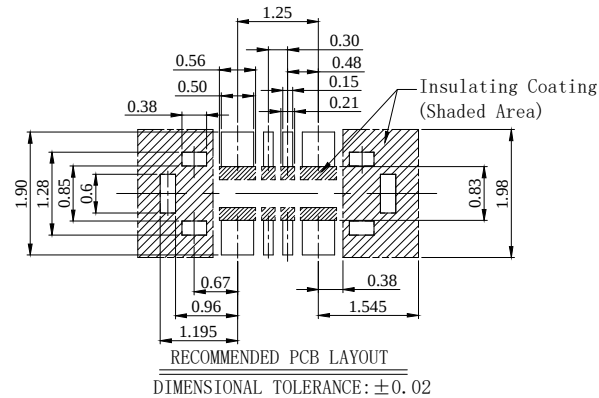
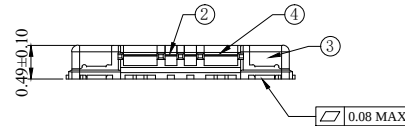
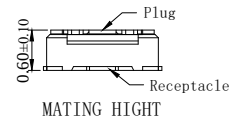
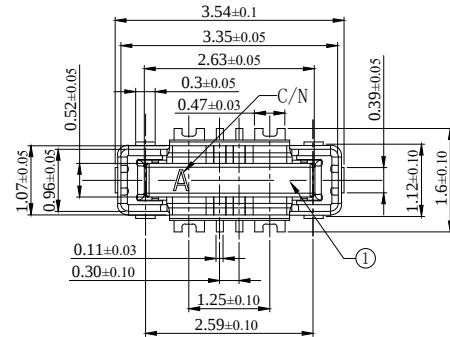


Rohs 2.0
Compliant



HF

REV.	ECN NUMBER	DESCRIPTION	DAET	DRAWN	CHECKED	APPROVED
A	/	NEW	2025.07.17	Qiang	GONG	LEO



- NOTE:
1:SPECIFICATION:
- 1.1 Voltage Rating: 60V AC/DC
 - 1.2 Rated current : signal contact 0.3 AMPS/Pin
power contact 12 AMPS /(All power 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: 500 MΩ Minimum.
After test: 500 MΩ Minimum.
 - 1.6 Dielectric Withstanding Voltage
NO EVIDENCE OF BREAKDOWN IN AC 100 V,
1 MINUTE
 - 1.7 MATING-UNMATING FORCE:
MATING FORCE: 30N MAX
UNMATING FORCE: 4N 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 METAL DIMENSIONS (THICKNESS: 0.10 mm)
DIMENSIONAL TOLERANCE: ±0.01

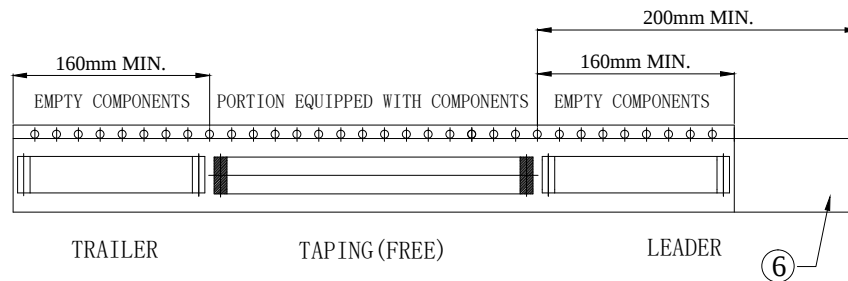
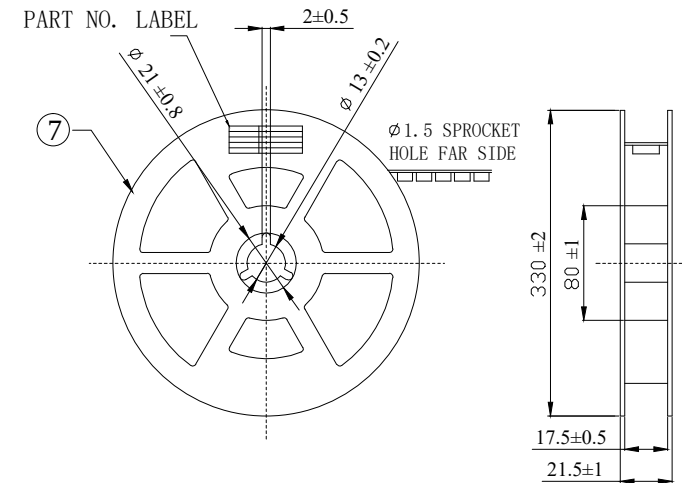
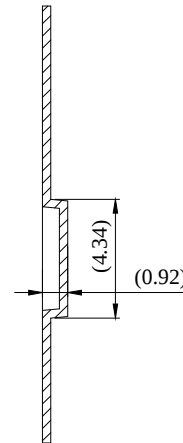
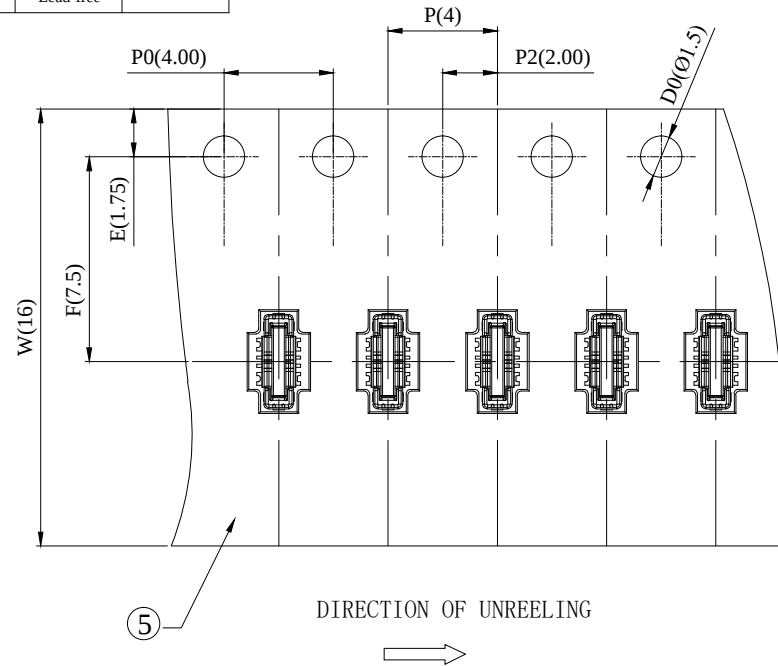
4	POWER CONTACT-B	COPPER ALLOY, AuAu* Min ON CONTACT AREA, AuAu* Min ON SOLDER AREA, Ni 50u*Min ALL OVER			
3	POWER CONTACT-A	COPPER ALLOY, AuAu* Min ON CONTACT AREA, AuAu* Min ON SOLDER AREA, Ni 50u*Min ALL OVER	7	REEL	PLASTIC
2	SIGNAL CONTACT	COPPER ALLOY, AuAu* Min ON CONTACT AREA, AuAu* Min ON SOLDER AREA, Ni 50u*Min ALL OVER	6	COVER TAPE	PLYESTER
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	TITLE: BTB CONN, Plug, MHO. 6, PO. 30mm, 4+6pin		
X. ± 0.30	X.* ± 5'	APPROVED	DRAWING NO. : C-BB0043P-2		
.X ± 0.20	.X* ± 3'	CHECKED	PART NO. : BB0043P04A		
.XX ± 0.15	.XX* ± 2'	DESIGNED			

CPT 元精技术

Rohs 2.0
Compliant



HF



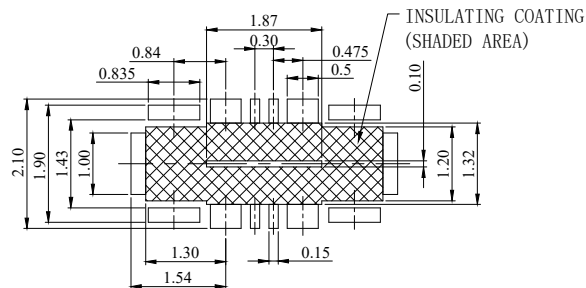
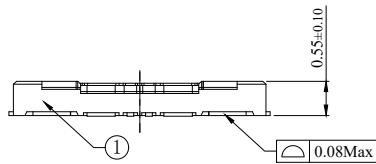
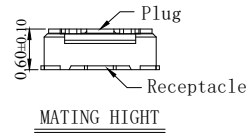
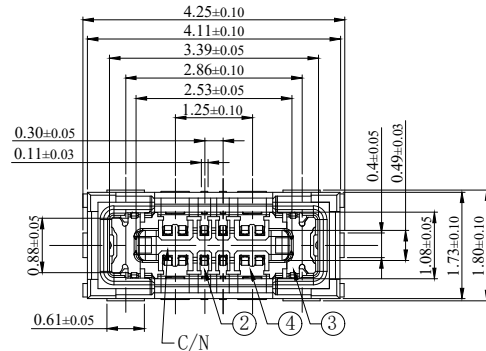
STYLE AND DIMENSION OF REEL

PER REEL 15000 CONNECTORS

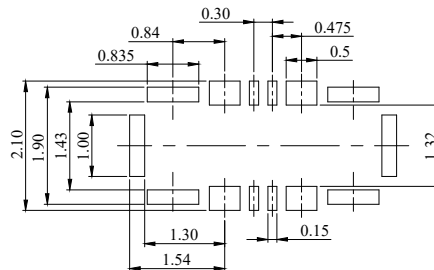
CPT 元精技术

NO.				PART NAME				DESCRIPTION , REMARKS			
GENERAL				TOLERANCE				UNITS:mm			
X. ± 0.30				X.* ± 5"				APPROVED			
.X ± 0.20				.X* ± 3"				CHECKED			
.XX ± 0.15				.XX* ± 2"				DESIGNED			
TITLE:				BTB CONN, Plug, MHO. 6, PO. 35mm, 4+6Pin				DRAWING NO. :			
PART NO. :				BB0043P-2				PART NO. :			
BB0043P04A											

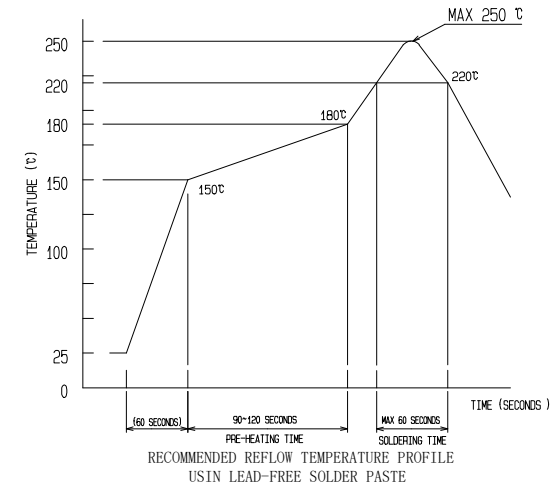
REV.	ECN NUMBER	DESCRIPTION	DAET	DRAWN	CHECKED	APPROVED
A	/	NEW	2025.02.17	Qiang	GONG	LEO
B	ECN25-0011	为确保客户端预留电流安全余量， 电源Pin允许最大电流变更为12A。	2025.05.13	Qiang	GONG	LEO



RECOMMENDED PCB LAYOUT
DIMENSIONAL TOLERANCE: ± 0.03



RECOMMENDED METAL DIMENSIONS (THICKNESS: 0.08 mm)
DIMENSIONAL TOLERANCE: ± 0.01



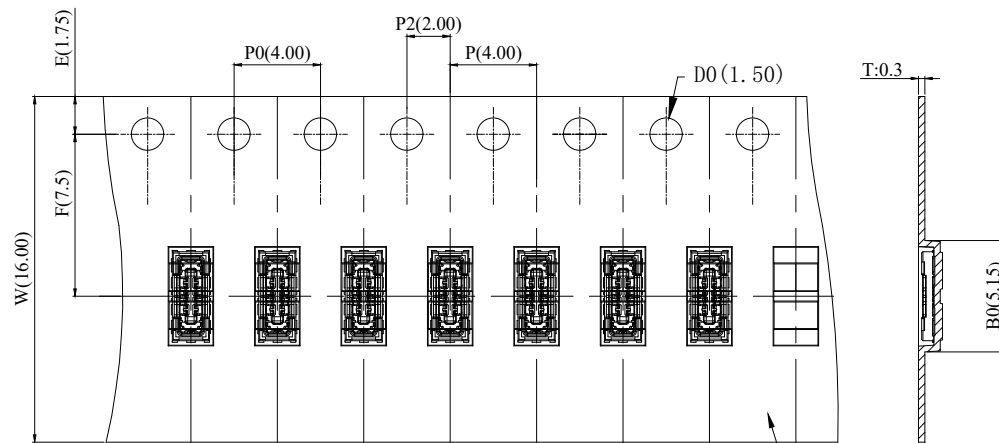
- NOTE:
1:SPECIFICATION:
- 1.1 Voltage Rating: 60V AC/DC
 - 1.2 Rated current : signal contact 0.3 AMPS/Pin
power contact 12 AMPS Max/(All power Pin)
 - 1.3 Temperature Range: -40°C to $+85^{\circ}\text{C}$
 - 1.4 Contact Resistance:
Signalpin:Initial:50m Ω MAX
AFTER TEST:20m Ω
Power pin:Initial:15m Ω MAX
AFTER TEST:15m Ω MAX
 - 1.5 Insulation Resistance
Initial: 500 M Ω Minimum.
After test: 500 M Ω Minimum.
 - 1.6 Dielectric Withstanding Voltage
NO EVIDENCE OF BREAKDOWN IN AC 100 V,
1 MINUTE
 - 1.7 MATING-UNMATING FORCE:
MATING FORCE: 30N MAX
UNMATING FORCE: 4N MIN
 - 1.8 SALT WATER SPRAY: TEMPERATURE $35^{\circ}\text{C}\pm 2^{\circ}\text{C}$
DENSITY OF SALT WATER $5\pm 1\%$
DURATION:48 ± 2 HOUR
 - 1.9 Storage Temperature Range -40°C to $+85^{\circ}\text{C}$
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		TITLE: BTB CONN, REC, MH0.6, P0.30mm, 4+6pin
X. ± 0.30	X." $\pm 5^{\circ}$	APPROVED	LEO	DRAWING NO. :	C-BB0043R-2
.X ± 0.20	.X" $\pm 3^{\circ}$	CHECKED	Gong	PART NO. :	BB0043R04A
.XX ± 0.15	.XX" $\pm 2^{\circ}$	DESIGNED	Qiang		

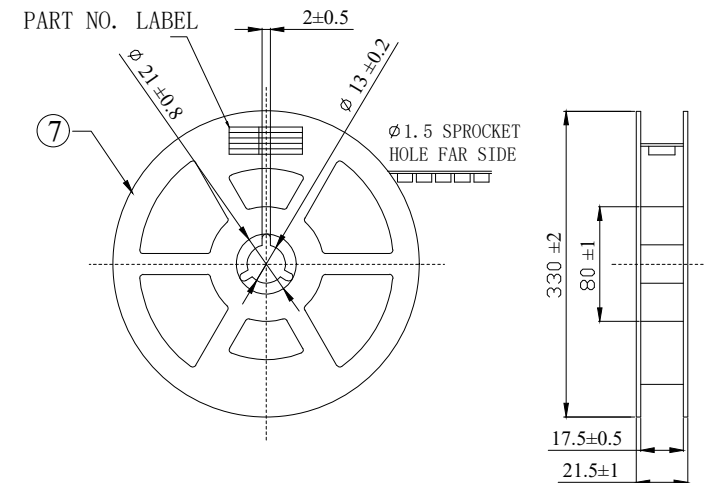
Rohs 2.0
Compliant



HF

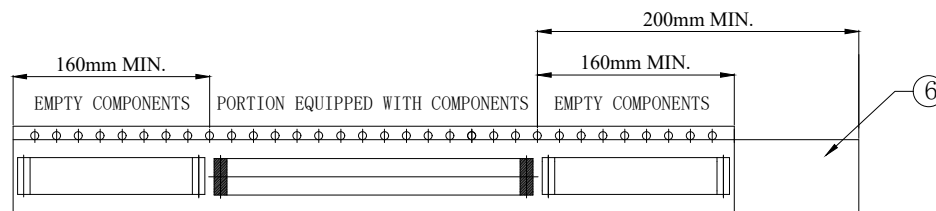


DIRECTION OF UNREELING



STYLE AND DIMENSION OF REEL

PER REEL 15000 CONNECTORS



TRAILER

TAPING (FREE)

LEADER

NO.				PART NAME				DESCRIPTION , REMARKS			
GENERAL				TOLERANCE				UNITS:mm			
X. ± 0.30				X." ± 5"				APPROVED			
.X ± 0.20				.X" ± 3"				CHECKED			
.XX ± 0.15				.XX" ± 2"				DESIGNED			
TITLE:				BTB CONN, REC, M10. 6, P0. 30mm, 4+6pin				DRAWING NO. :			
PART NO. :				BB0043R04A				B			
								2			