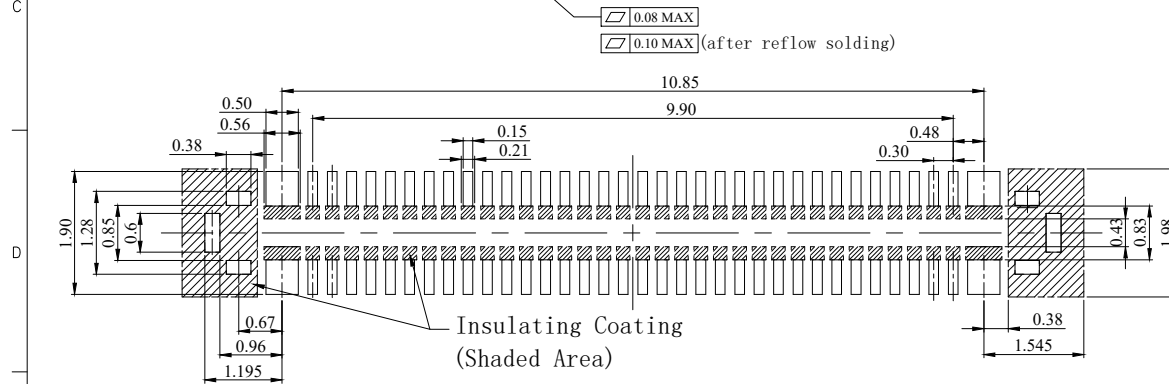
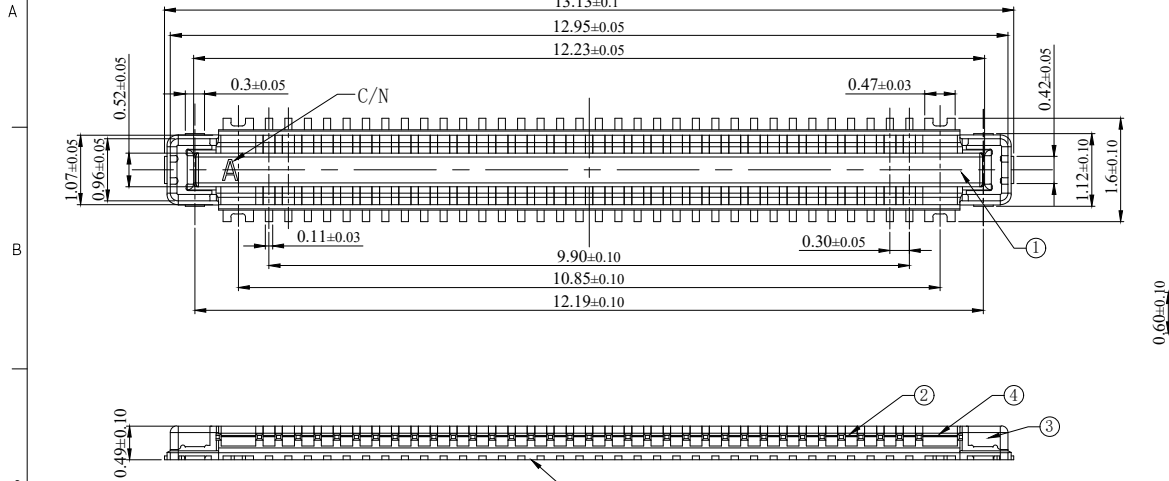


Rohs 2.0
Compliant

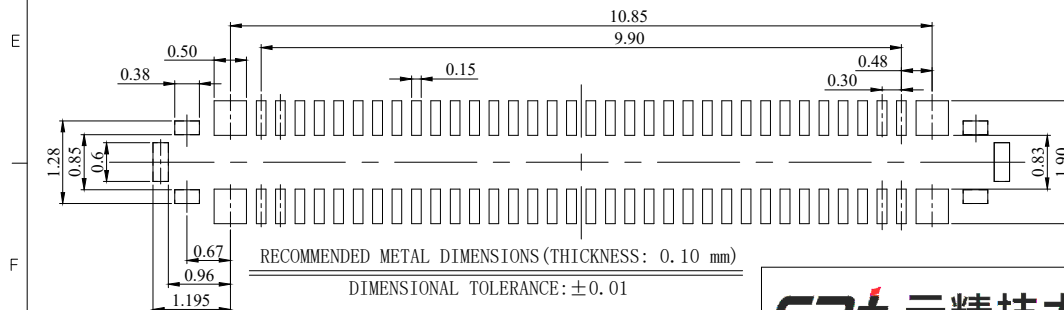


HF

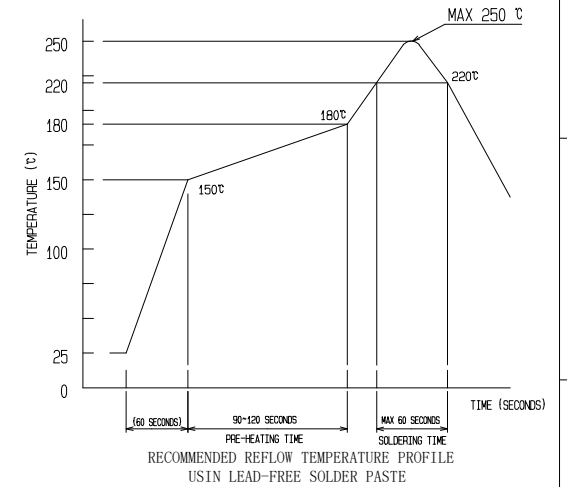
REV.	ECN NUMBER	DESCRIPTION	DAET	DRAWN	CHECKED	APPROVED
A	/	NEW	2025.02.17	Qiang	GONG	LEO
B	ECN25-0011	为确保客户端预留电流安全余量, 电源Pin允许最大电流变更为12A.	2025.05.13	Qiang	GONG	LEO



RECOMMENDED PCB LAYOUT
DIMENSIONAL TOLERANCE: ±0.02



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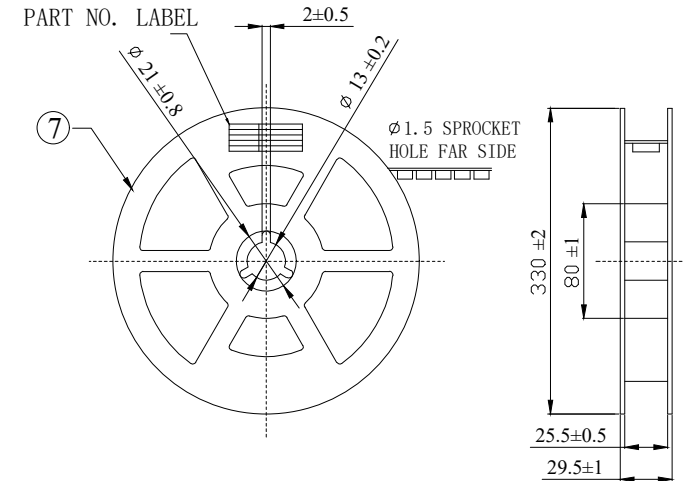
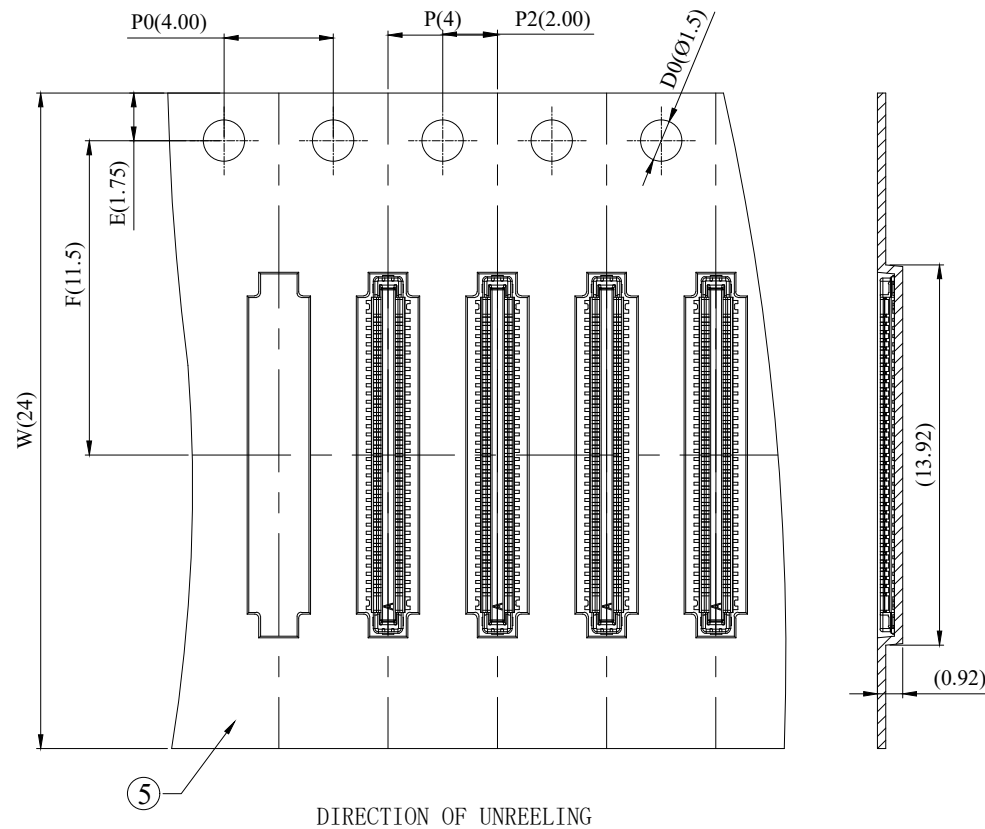
- NOTE:
1: SPECIFICATION:
1.1 Voltage Rating: 60V AC/DC
1.2 Rated current : For signal pin 0.3 AMPS/Pin
For power pin 12 AMPS Max/(All Power Pin)
1.3 Temperature Range: -40 °C to +85°C
1.4 Contact Resistance:
Signalpin: Initial: 50mΩ MAX
AFTER TEST: Δ20mΩ
Power pin: Initial: 15mΩ MAX
AFTER TEST: 15mΩ MAX
1.5 Insulation Resistance
Initial: 500 MΩ Minimum.
After test: 500 MΩ Minimum.
1.6 Dielectric Withstanding Voltage
NO EVIDANCE OF BREAKDOWN IN AC 100 V, 1 MINUTE
1.7 MATING-UNMATING FORCE:
MATING FORCE: 1 CYCLE: 40N MAX
30 CYCLE: 40N MAX
UNMATING FORCE: 1 CYCLE: 10N MIN
30 CYCLE: 8N 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	TITLE: BTB CONN, Plug, MHO. 6, PO. 30mm, 68+6pin		
X. ± 0.30	X.* ± 5°	APPROVED	DRAWING NO. : C-BB0043P-1		
.X ± 0.20	.X* ± 3°	CHECKED	PART NO. : BB0043P68A		
.XX ± 0.15	.XX* ± 2°	DESIGNED			
		LEO			
		Gong			
		Qiang			

Rohs 2.0
Compliant

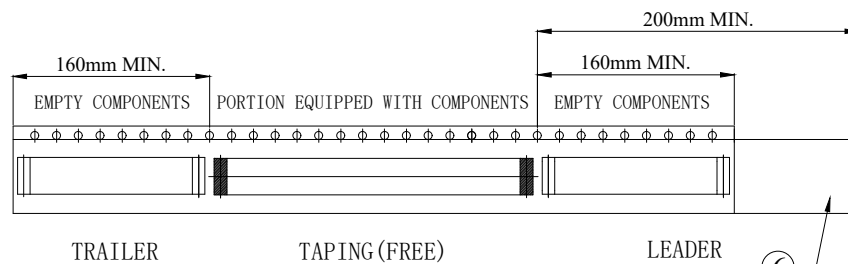


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STYLE AND DIMENSION OF REEL

PER REEL 15000 CONNECTORS



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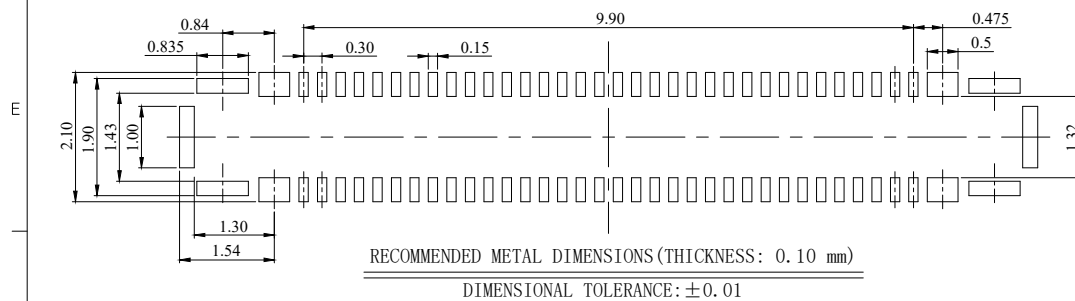
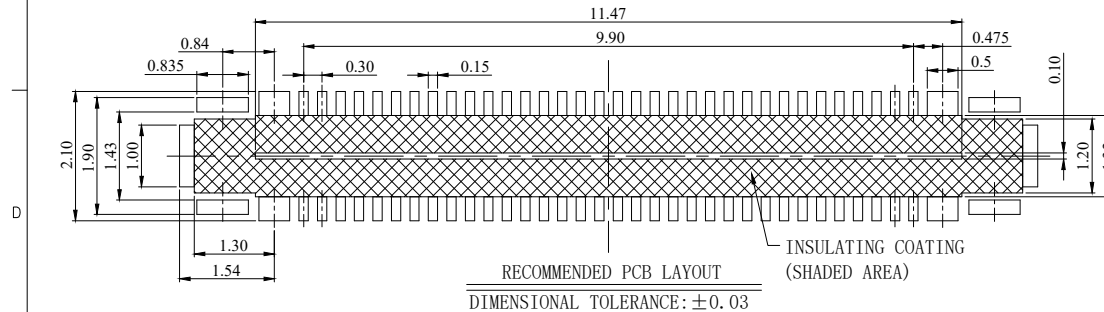
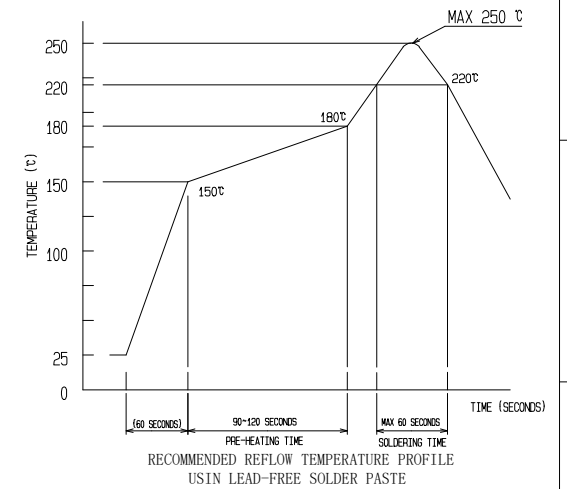
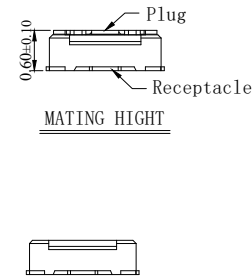
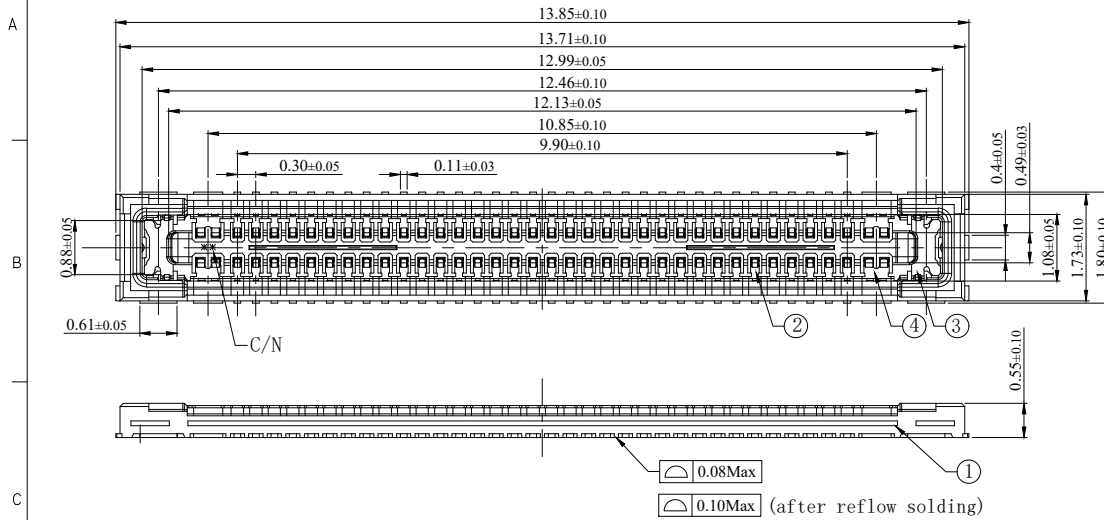
NO.				PART NAME				DESCRIPTION , REMARKS			
GENERAL				TOLERANCE				UNITS:mm			
X. ± 0.30				X." ± 5"				APPROVED			
.X ± 0.20				.X" ± 3"				CHECKED			
.XX ± 0.15				.XX" ± 2"				DESIGNED			
TITLE:				BTB CONN, Plug, MHO. 6, PO. 35mm, 68+6Pin				DRAWING NO. :			
PART NO. :				BB0043P-1				PART NO. :			
BB0043P68A											

Rohs 2.0
Compliant



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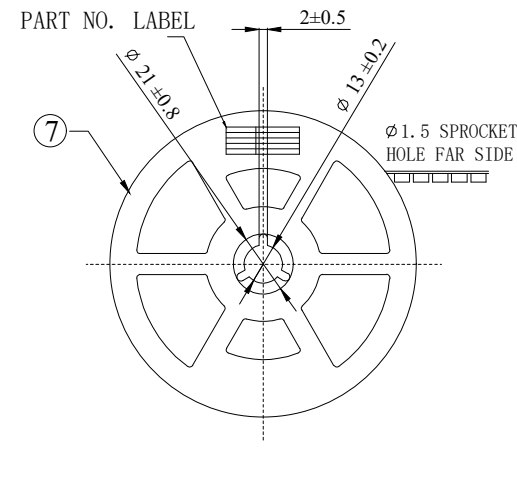
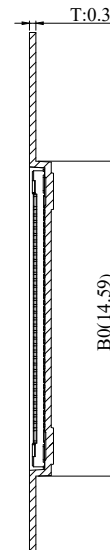
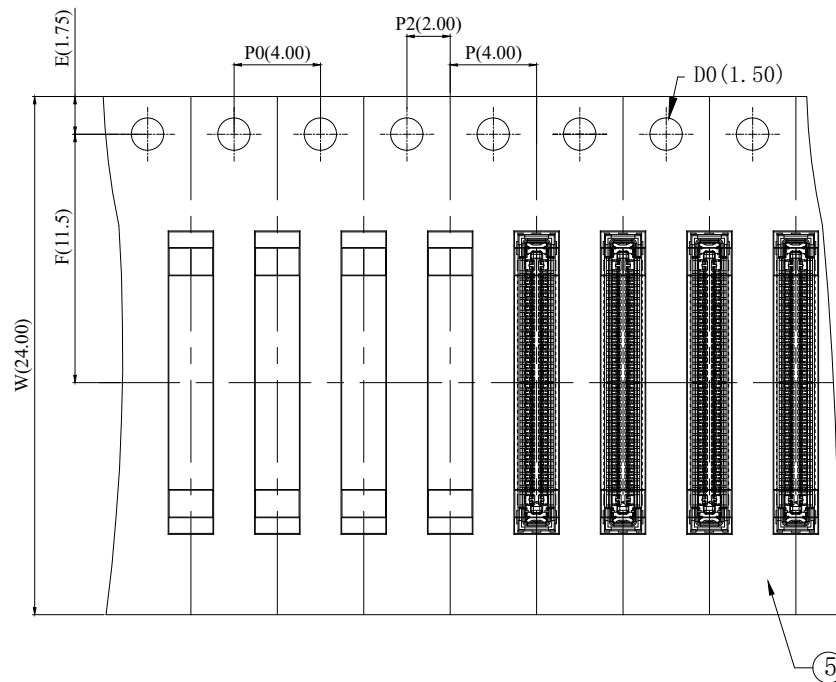
REV.	ECN NUMBER	DESCRIPTION	DAET	DRAWN	CHECKED	APPROVED
A	/	NEW	2025.02.17	Qiang	GONG	LEO
B	ECN25-0011	为确保客户端预留电流安全余量， 电路Pin允许最大电流变更为12A。⚠	2025.05.13	Qiang	GONG	LEO



- NOTE:
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1.1 Voltage Rating: 60V AC/DC
1.2 Rated current : For signal pin 0.3 AMPS/Pin
For power pin 12 AMPS Max/(All Power Pin)
1.3 Temperature Range: -40 °C to +85°C
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Signal pin: Initial: 50mΩ MAX
AFTER TEST: 20mΩ
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AFTER TEST: 15mΩ MAX
1.5 Insulation Resistance
Initial: 500 MΩ Minimum.
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1.6 Dielectric Withstanding Voltage
NO EVIDANCE OF BREAKDOWN IN AC 100 V, 1 MINUTE
1.7 MATING-UNMATING FORCE:
MATING FORCE: 1 CYCLE: 40N MAX
30 CYCLE: 40N MAX
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DENSITY OF SALT WATER 5±1%
DURATION: 48±2 HOUR
Storage Temperature Range -40°C to +85°C
0 to 90 % RH (Relative humidity).

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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, 68+6pin		
X. ± 0.30	X." ± 5"	APPROVED	DRAWING NO. : C-BB0043R-1		
.X ± 0.20	.X" ± 3"	CHECKED	PART NO. : BB0043R68A		
.XX ± 0.15	.XX" ± 2"	DESIGNED			

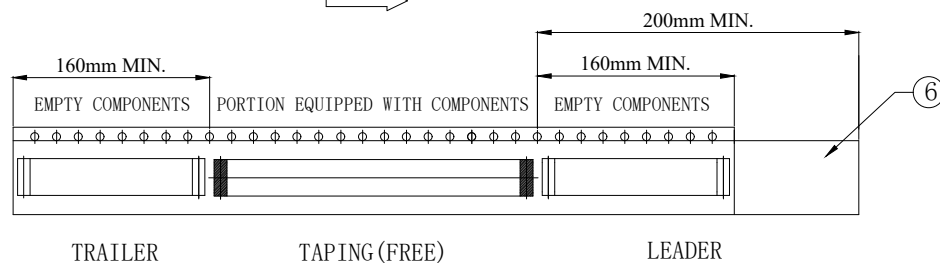
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STYLE AND DIMENSION OF REEL

PER REEL 15000 CONNECTORS

DIRECTION OF UNREELING



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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			
SCALE 1 : 1				LEO				TITLE: BTB CONN, REC, M10. 6, P0. 30mm, 68+6pin			
DRAWING NO. :				C-BB0043R-1				PART NO. :			
BB0043R68A				2				2			