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	818000135		Tan 05/24/16	Tan 05/24/16	Hunter 05/24/16

1、SCOPE

The product described is a Spring connector, which is used to connect between two parts of electronic product.

2、PRODUCT DESCRIPTION

2.1 Product name and Product number

Product name: Clip

Product number: 818000135

2.2 Dimension, material, plating and marking

See the appropriate Customer Drawings for information on dimensions, materials, plating, and markings.

3、TECHNICAL PARAMETERS

3.1 Rated current: 2A

3.2 Rated voltage: 10V DC

3.3 Contact Resistance: 50m Ω .

3.4 Temperature:

Operating : -40°C ~ +85°C

Storage : -30°C ~ +70

4、PERFORMANCE

4.1 Appearance Requirements

Item	Description	Test Condition	Requirement
4.1.1	Visual and dimension inspections	Visual, dimension and functional per applicable quality inspection plan.	Meets requirements of product drawing. No physical damage.

4.2 Electrical Requirements

Item	Description	Test Condition	Requirement
4.2.1	Contact Resistance (Low Level)	Mated connector: apply a maximum voltage of 20mV and a current of 100mA. Per EIA-364-23B	The initial: 50 m Ω Max; $\Delta R=50$ m Ω Max changed after environmental exposure

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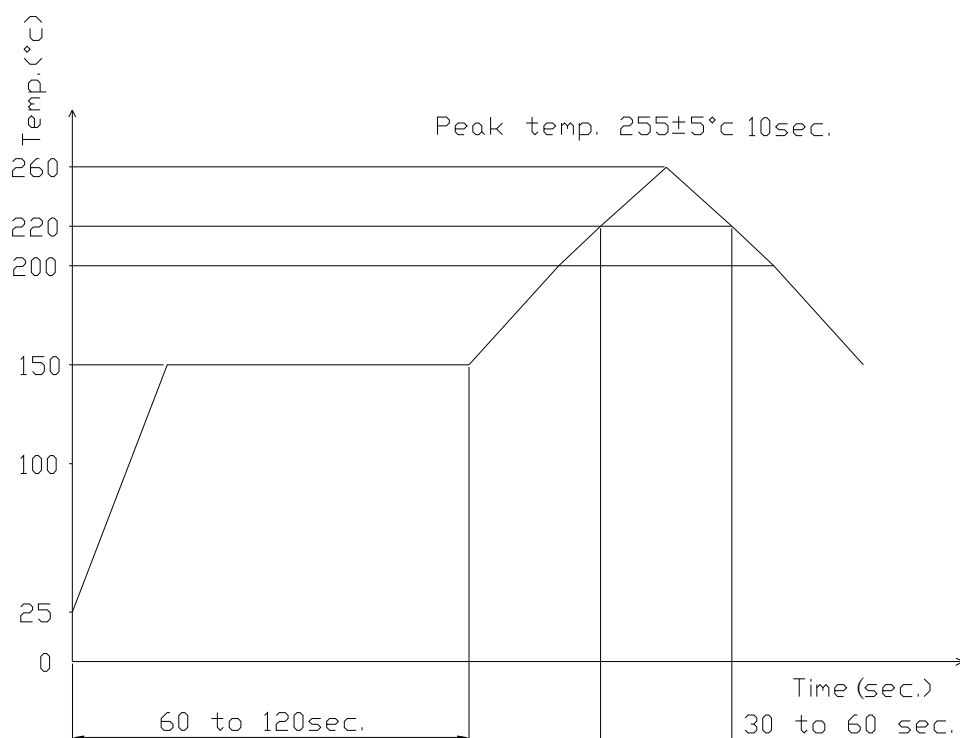
4.3 Environmental Requirements

Item	Description	Test Condition	Requirement
4.3.1	High relative Humidity exposure	Mated and exposure to the condition of 25~65℃ ,90~95% RH, (7 days). Recovery time 1~2hours. Per EIA-364-31	Appearance: no damage Contact Resistance $\Delta R=50\text{ m}\Omega$ maximum
4.3.2	Thermal shock	The connector shall be mated and exposure to the following condition for 10 cycles continuous. a) -55℃ for 30 minutes. b) 85℃ for 30 minutes. Transit time shall be within 5minutes, recovery time 1~2 hours. Per EIA-364-32	Appearance: no damage Contact Resistance $\Delta R=50\text{ m}\Omega$ maximum
4.3.3	Salt spray	The connector shall be mated and exposure to the following salt mist conditions. At the completion of the exposure period, salt deposits shall be removed by a gentle wash or dip in running water, after which the specified measurements shall be performed. Concentration : 5±1% Spray time: 24 hours Temperature: 35±2℃	Appearance: no damage Contact Resistance $\Delta R=50\text{ m}\Omega$ maximum
4.3.4	Resistance to soldering Reflow Heat	Infrared the reflow condition of 5.1	No damage after 3 times of reflow Measurement after 24±2 hours

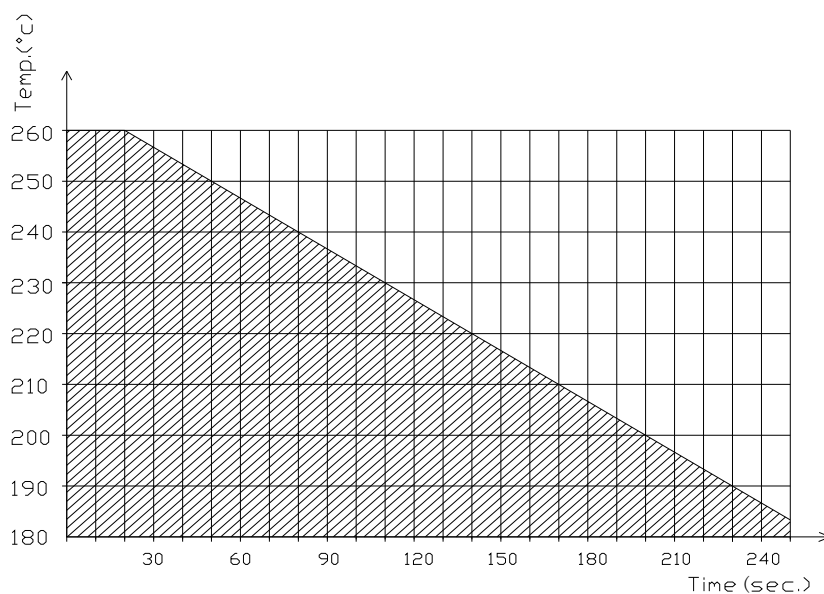
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5、SMT TEMPERATURE CURVE

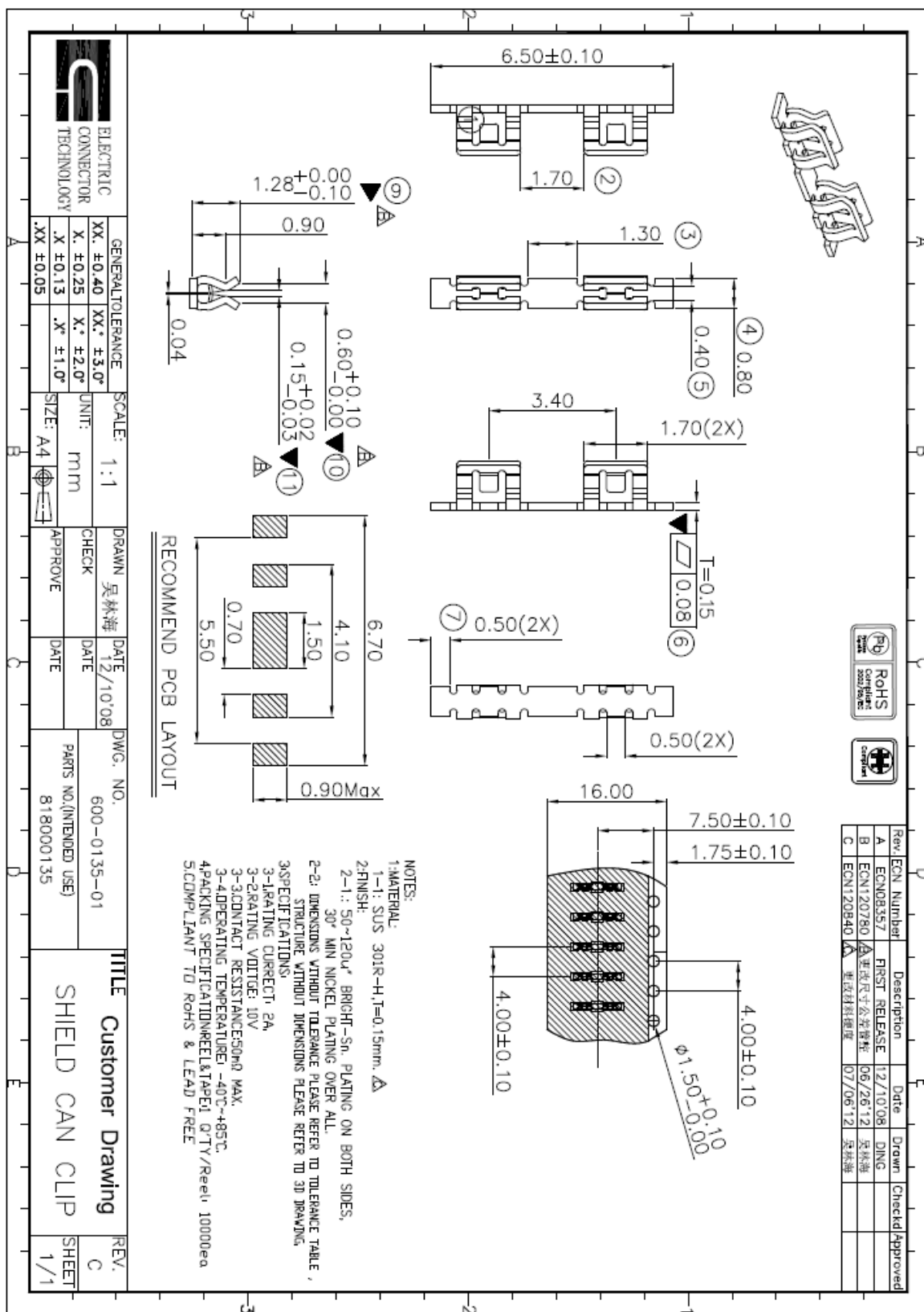
5.1 Recommended TEM.&Time relative curve of RE-FLOW.



5.2 Extremed TEM.&Time curve of RE-FLOW.



6、PROFILE DIMENSIONS





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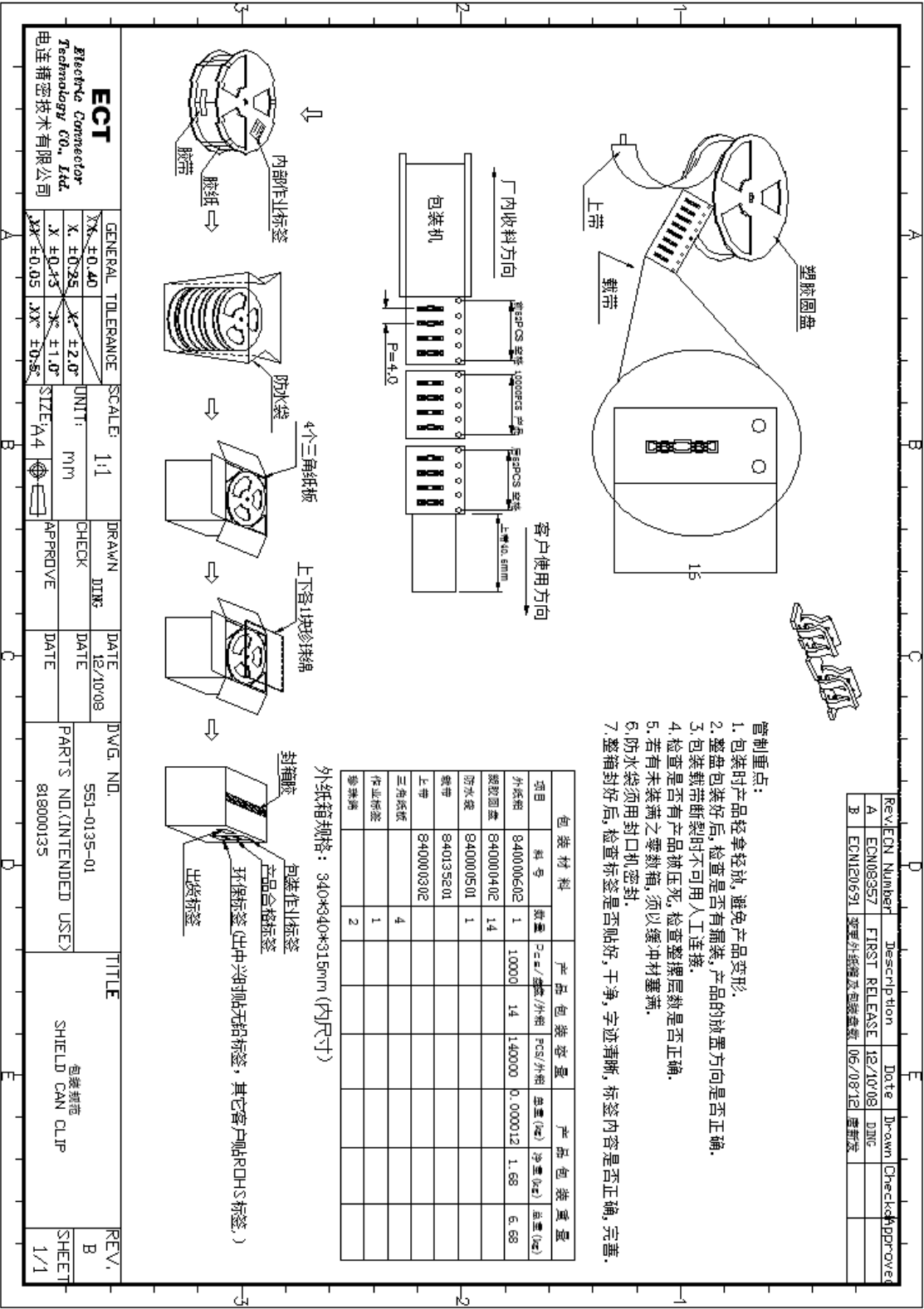
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7、PACKAGING SPEC.



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8、STORAGE CONDITION

Temperature: -30 ~ +70 °C

Relative Humidity: 15 ~ 85 % RH

Life : Use this product within 18 months after receipt. Check the terminal solder ability before use if the product has been stored for more than 18 months.

9、TEST SEQUENCE AND SAMPLE QUANTITY

Item		A	B	C	D					
4.1.1	Visual and dimensional inspections	1,5	1,5	1,5	1,3					
4.2.1	Contact Resistance	2,4	2,4	2,4						
4.3.1	High relative Humidity exposure	3								
4.3.2	Thermal shock		3							
4.3.3	Salt spray			3						
4.3.4	Resistance to soldering Reflow Heat				2					
	Sample QTY	5pcs	5pcs	5pcs	5pcs					