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Reliability Test Items And Conditions

1. ¿ ‰ Test items and criteria

Test Parameter	¤ ‰ Reference Criterion	Ð Test Condition	Time	Quantity	¯ / Ac/Re
¾ Resistance to Soldering Heat	JESD22-B106	Temp:260 max T=6sec	3 times	22Pcs	0/1
thermocycling	JESD22-A104	120 ±5 30mi¤c -40 ±			

Precautions

Storage

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Moisture proof and anti-electrostatic package with moisture absorbent material is used, to keep moisture to a minimum.

· ╠ ˚ ج ضي G 30 G 60%RH Ţ

Before opening the package, the product should be kept at 30 or less and humidity less than 60% RH, and be used within a year.

· U ˚ ج ضي G 30 G 40%RH Ţ ضي 168 7 ṗ

ą ƀ ч G 30 G 60%RH

After opening the package, the product should be stored at 30 or less and humidity less than 40%RH, and be soldered within 168 hours (7 days). It is recommended that the product be operated at the workshop condition of 30 or less and humidity less than 60%RH.

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Ð 60±5 24

If the moisture absorbent material has fade away or the LEDs have exceeded the storage time, baking treatment should be performed based on the following condition: (60±5) for 24 hours.

2. Static Electricity

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Static electricity or surge voltage damages the LEDs. Damaged LEDs will show some unusual characteristic such as the forward voltage becomes lower, or the LEDs do not light at the low current. All devices, equipment and machinery must be properly grounded. At the same time, it is recommended that wrist bands or anti-electrostatic gloves, anti-electrostatic containers be used when dealing with the LEDs.

3. Design Consideration

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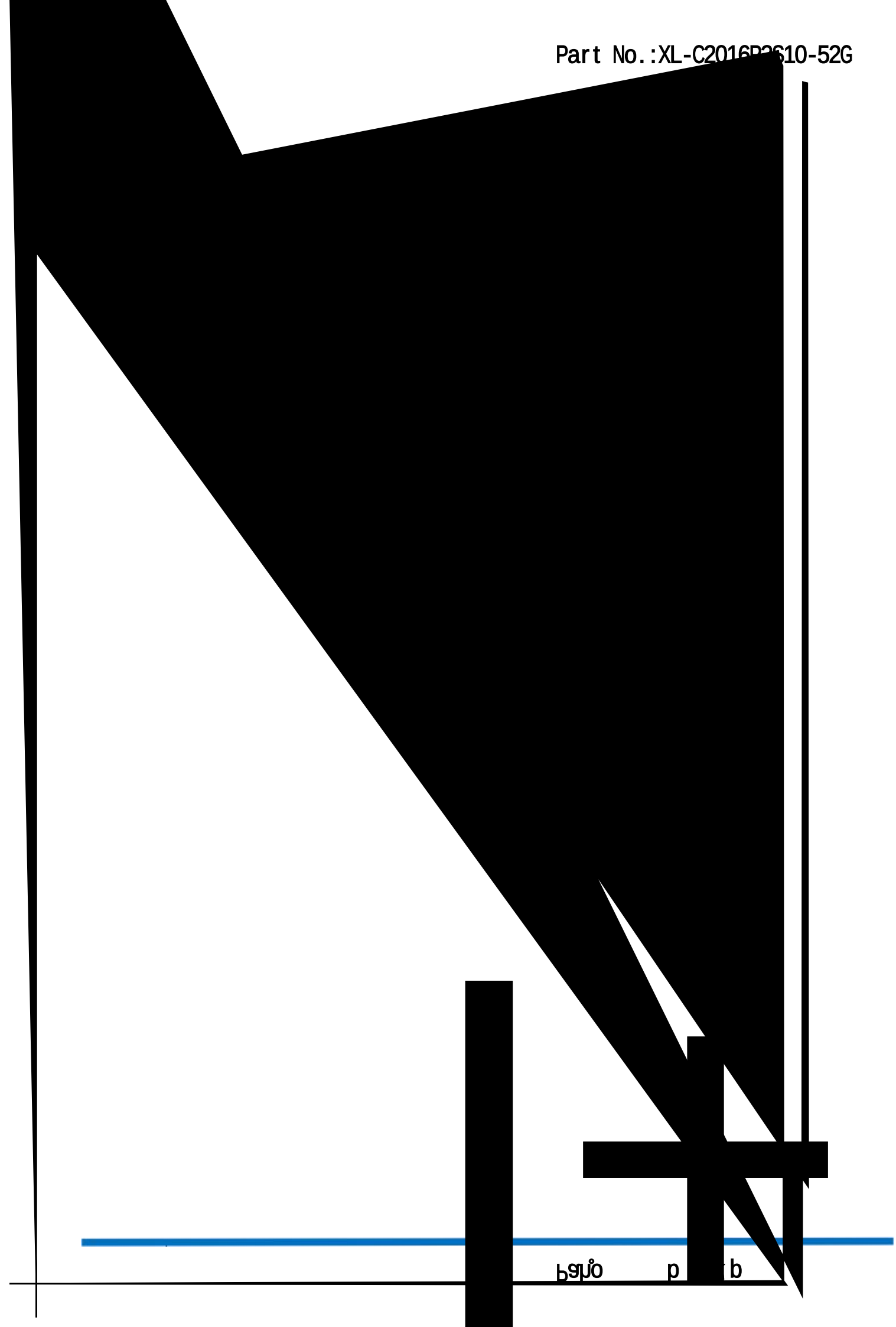
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