Delivery:	Date:2022-06-08	Number:	

Specification of infrared remote control

	Name of Demander Part	Infrared remote controller		
Dem	Part code of the buyer			
ander e	Approval of demander			
entry	Receive	Review	Approval	

	Part model of supplier	YDX 158-G02			
Supplie	Supplier	Yi Dongxing (Shenzhen)Technology Co., Ltd.			
	Supplier approval				
entry	A pusinessman Enc	ineering audit	Quality review	Approval	
	Cheng btmei开发部	Hu yonghua	Wang xi jun	He jiazhen	
	业务专用章				

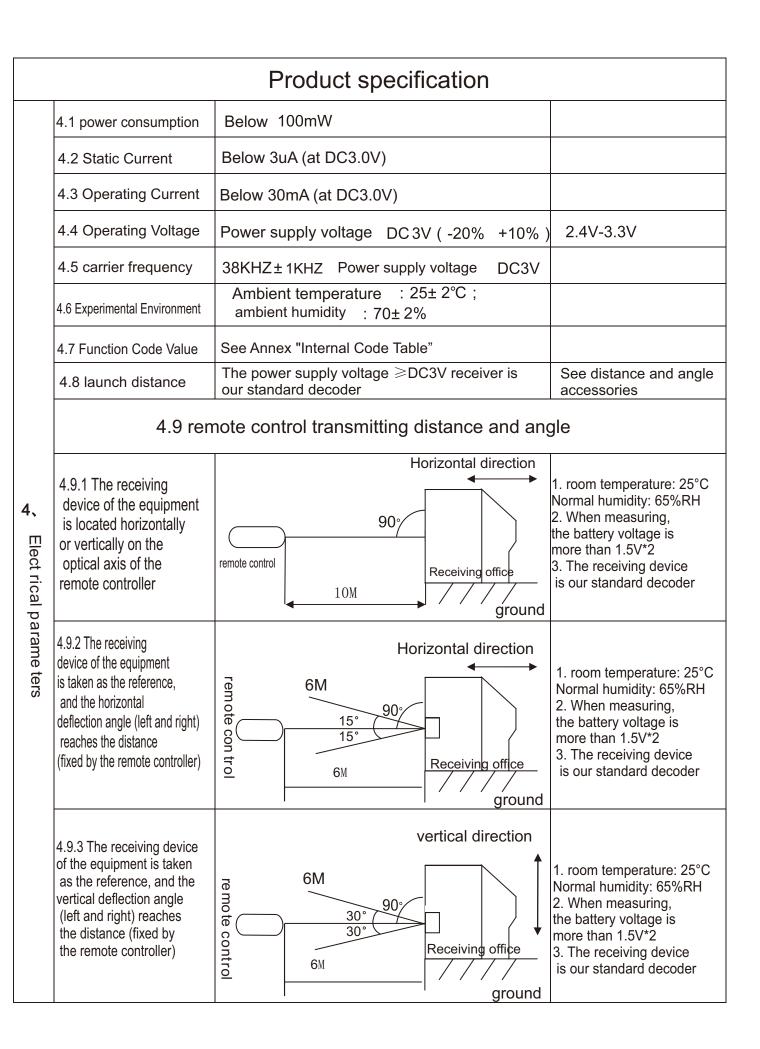
Rem	
ıar ks	

Product specification

Name: remote control

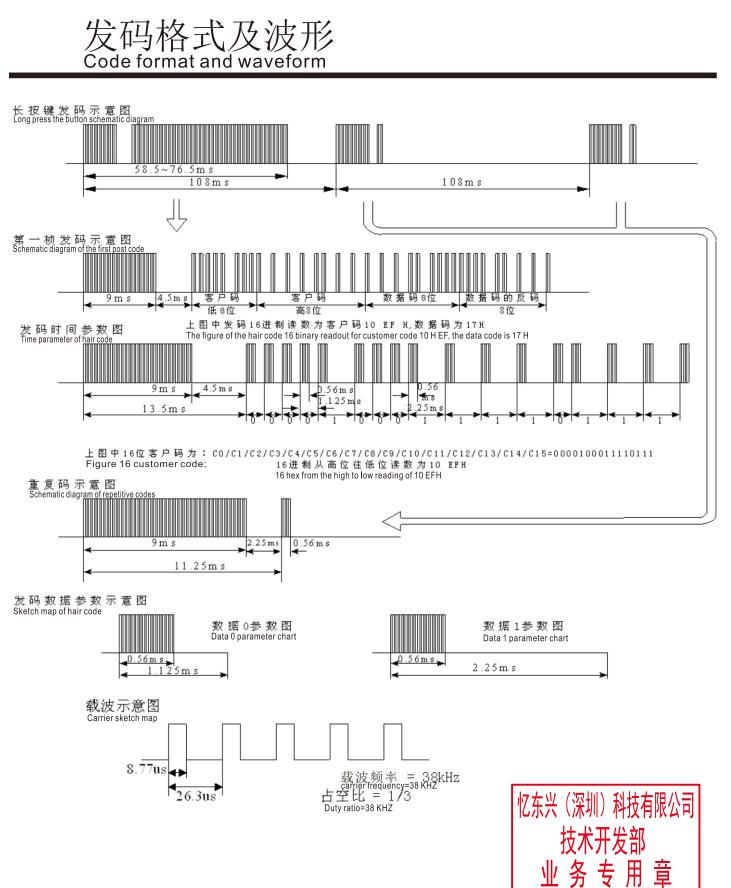
One, Scope of application: This specification is applicable to the infrared remote controller of Yidongxing Company.

Numbering	Projects	Content	Decision criteria
1、	1.1 Appearance Color See Annex "Appearance Drawing"		Reference sample
App	1.2 Plastic Material	ABS/HIPS	
eara	1.3 Material of Circuit Board	1.2 coppers	
Ap pearance s tru cture	1.4 Appearance	 The following items are visually confirmed ① Scratch, stain, split and deform ② Print graphics and text ③ Mingban bonding ④ Shell fit ⑤ Surface 	 No such phenomenon Clear, even and tidy No floating, bulging, hua marks No warping, deformation or cracks Uniform materials and consistent colors
	2.1 Key Force 130 g±20g (push button vertically)		The medium and small scale shall be taken as the basis for determination.
	2.2 key stroke	key stroke 0.8mm ±0.3mm	
2、 ∃	2.3 Key Height	① The front height h is not pressed by the key.	① H < 1.5 mm
iec h		② Height H1 when key press works	② H1 >0.7 mm
mechanical proper ties	2.4 key reset	Apply a force of 10N to the left and right end s of the 1/4 position of the key plane and the left, right, front and rear sides of the key respectively for 2 minutes	The key should be fully reset and function normally.
oper ties	2.5 Load Life of Keys Press the key≥200,000 times with a pressing frequency of 3-5 times/second, and the number of times that the key is not in place is less than or equal to 0.5%		The key function is normal and meets the requirements of 4.1-4.7.
	2.6 plug life of power supply cover plate Plug and unplug the power supply cover plate at a frequency of 2-3 times/minute for not less than 100 times		No abnormality
se	3.1 service temperature	0°C-40°C	Batteries with the same temperature range must be used.
spec if ications	3.2 storage temperature	-10°C ~ +55°C	It is not necessary to remove the battery for a long time.
tions	3.3 battery specifications	Manganese or alkali dry cell number 7 ×2	Battery conforming to national standard



	Projects	test condition	Decision criteria
	5-1 High Temperature Storage	Without packaging or batteries, the remote controller is placed in a test chamber with room temperature. The temperature in the test chamber is sealed at 55±3°C for 96HR hours. After being placed at room temperaturefor 2 hours, test whether each function is normal (if condensation or water drops exist on the high-temperature Shiyan Lake remote controller, the test shall be conducted after it disappears)	
Weather resistance	5-2 Low Temperature Storage	The remote controller shall be placed in a test chamber with room temperature without packaging or battery (in order to prevent condensation, the remote controller shall be sealed with plastic film and tested, and moisture absorbent may be placed in the sealing sleeve if necessary). The temperature in the test chamber is-20 3 C, and 96RH is sealed. After 2RH at normal temperature, test whether each function is normal.	The following specifications must be met A meets 2.1 specifications B meets 2.2 specifications.
ance	5-3 Constant Temperature and Humidity	Place the remote controller in an RH box with a relative humidity of 90-95% and a temperature of 40±3°C for 96HR hours, then take it out and place it in a normal temperature and humidity environment for 2 hours, and then test whether each function is normal (if the remote controller is dew or water drops after a high temperature test, it should be tested after it disappears)	C meets 2.3 specifications D meets 4 specifications
	5-4 Drop Test	Under the condition that the remote controller is equipped with batteries, it is free to fall from 80cm height onto a thick wooden board not less than 3cm without packaging. The falling surface of the remote controller shall be parallel to the impact surface, and each surface shall fall once. Note: 1 is the emitting surface, 2 is the front surface, 3 is the bottom surface and 4/5/6 is the side surface	Note: this test refers to GB/T
	5-5 Vibration Test	A horizontal vibration: frequency 10-20-10Hz displacement 0.15mm, axis frequency sweep 5 cycles	14960-2017 standard
		B vertical vibration: frequency 30-50-30Hz displacement 0.75mm, axis frequency sweep 5 cycles	

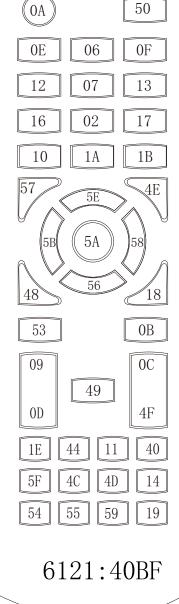
六. 发码格式与波形/HAIR CODE AND WAVEFORM FORMAT



Product specifications

Product Name: remote control (appearance / code value chart) All materials are RoHS compliant





ROHS

 $\star \star \star$ matters needing attention $\star \star \star$

1. After recognition, all colors, fonts and characters shall be subject to the recognized samples.

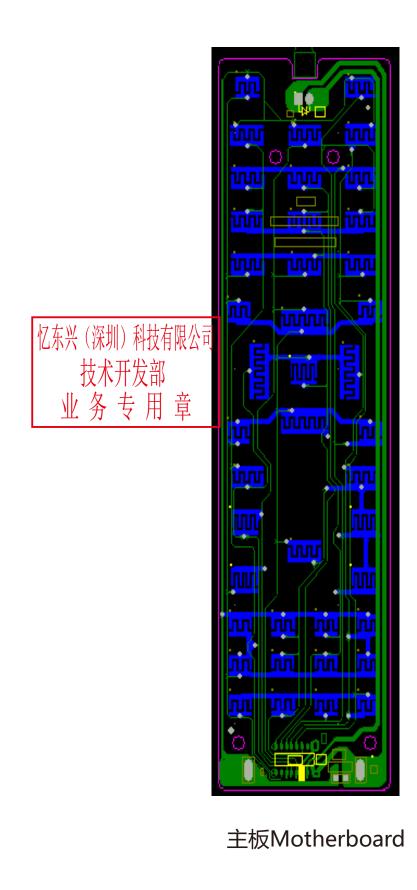
2. Single packaging mode of remote control: remote control + PE plastic bag

LOGO丝印: 877C

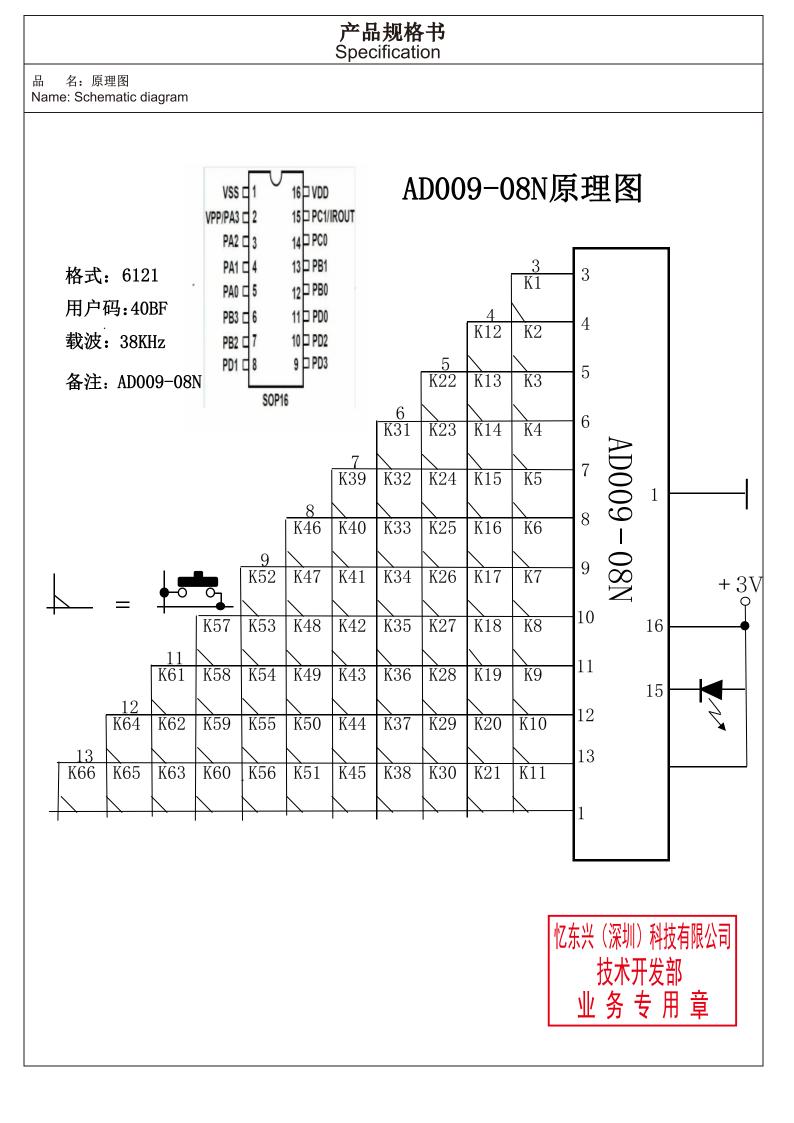
Specification

Product Name: PCB assembly

All materials are RoHS compliant







Product specifications

Product Name: material list

All materials are RoHS compliant

Serial number	Item name	Specification and model	Item description	position	Company	Consumption
1	PCB	YDX-158-OTP			PCS	1
2	Emitter LED	5AW4C11-C(荣隆达)弯脚成型 新绿5W2SC-12(123大功率)	φ5mm	D1	PCS	1
3	Face shell	158-GK02			PCS	1
4	Conductive adhesive	158-GD02	Conductive rubber button		PCS	1
5	Shrapnel(+)	158# (+)			PCS	1
6	Shrapnel(-)	158# (-)			PCS	1
7	$Spring(\pm)$	158# (±)			PCS	1
8	Plastic bag	8*24CM	PE plastic bag		PCS	1
9	IC	LC1028(易芯昇)/ AD009-08N			PCS	1
10						

Important remarks:



