TEST REPORT

Name of Product: HMI(Human Machine Interface)

Model Number： MT6070HA

Manufacturer: Shenzhen Coolmay Technology Co., Ltd

Test Category: Life Test

Date： 17th Dec , 2018

MTBF Life test data			
P/N:	MT6070HA	Sample source:	Production department
Sample Qty:	1115 PCS	Demand department:	R&D Department
Production time:	2018-12-11	Tester:	Zhuan Dai
Testing time:	24H		
Added time:	8:00pm 10th Dec, 2018	Dismounted time:	8:00pm 11th Dec, 2018
Sample Qty:	1115 PCS	Number of Defective:	1
Failure time:	2018-12-11 18:00	Defective description:	Splash screen
Check result:	≈3.05(years)		
Machine information			
Main components	LCD screen	P-7.0 7 inch LCD screen	
	panel	MB-70H panel	
	Touch panel	C-7.0 7.0 inch touch panel	
	Buzzer	HYT-1205 5V buzzer	
	Shell	EX2N-70H-M/D	
	Main board	180709	
Test conditions			
Test & Judge by	GJB/299BElectronic Equipment Reliability Forecast Handbook		
Testing time/h	24		

Voltage/V	24
Temperature/℃	At room temperature
Humidity	45%～75%

Test process & state description

1. Power supply voltage: Powered by ±10% of the rated voltage(DC24V) of the sample.
   Every 12h is 1 working cycle, of which 11.5h is energized and 0.5h is powered off. The test voltage is rated voltage DC24V. Tests between work cycles can be interrupted, but only one interrupt is allowed during the entire test, and the interruption time must not exceed 1 h.
2. Touch panel, LCD screen, buzzer test: Click the sample according to the sample liquid crystal display range.
   a. Click on the different positions of the touch screen to detect whether the screen arrow moves correctly;
   b. Detect the buzzer sound. If the buzzer does not sound when the buzzer is not correctly moved or turned off, will not pass;
   c. Click on the component on the program screen, the function key will perform a screen jump. Detect whether the screen jumps correctly. If the jump is not correct, the test will not pass.
3. Test environment: Temperature: 26℃±2℃; Relative humidity: 45%～75%.
4. Sample status: Power on & Working.
5. Inspection request:
   Check contents during the test:
   a. Power switch is turned on and off one time each;
   b. Check appearance, function, image quality and sound quality;
   c. Check the function of the touch panel. Check whether the LCD screen can be touched normally.
   d. Check the function of each function key. Check if the function key works normally.

Visual inspection after test

1. Power-on state:
   a. Touch screen has no blurred screen, no flash screen, no black screen, no color difference and other display bad phenomenon;
   b. The sample is not burnt out(No odor, product body temperature does not exceed 50℃);
2. Power-off state: The sample has no scratches, cracks and dust.

Post-test function/image/audio check

1. Function: Click on the screen component to make a screen jump and the screen jumps correctly.; 2. Image: Touch screen has no flower screen, no flash screen, no black screen, no color difference and other display bad phenomenon; 3. Audio: When the buzzer is turned on, click on the different positions of the touch screen, the buzzer will sound, and the buzzer will not sound when turn off the buzzer.
Test Conclusion: OK■ NG□

Approval:
Name: Tingjian Yang
Title: R&D Manager

Checked:
Name: David Zeng
Title: Production Manager

Producer:
Name: Zhuan Dai
Title: Test Engineer

Stamp
Date:17th Dec,2018

Annex：

Pictures display during test:


70H系列
100系列


Coolmay
70H系列

END OF REPORT