

1/



Annex 3B

COMMUNICATION

concerning: ⁽²⁾ **APPROVAL GRANTED**
~~APPROVAL EXTENDED~~
~~APPROVAL REFUSED~~
~~APPROVAL WITHDRAWN~~
~~PRODUCTION DEFINITELY DISCONTINUED~~

of a type of electrical/electronic sub-assembly ⁽²⁾ with regard to Regulation No. 10

Approval No.:	E50 10 R - 05 0097
Extension No.:	----
1. Make (trade name of manufacturer):	KINWONS CO.,LTD
2. Type and general commercial description(s):	KS0027
3. Means of identification of type, if marked on the vehicle/component/ separate technical unit ⁽²⁾:	label
3.1. Location of that marking:	on the device housing see the information folder
4. Category of vehicle:	all
5. Name and address of manufacturer:	KINWONS CO.,LTD Room 208, Zhongren Building, No.300 Zhongcheng Road, Tianhe District, Guangzhou, China
6. In the case of components and separate technical units, location and method of affixing of the approval mark:	Label on the front of device, see the information folder

Approval No.: E50 10 R - 05 0097

Extension No.: ----

7. **Address(es) of assembly plant(s):** KINWONS CO.,LTD
Room 208, Zhongren Building, No.300
Zhongcheng Road, Tianhe District,
Guangzhou, China
8. **Additional information (where applicable):** See appendix below
9. **Technical Service responsible for carrying out the tests:** Vehicle Technical Service Ltd. - Valletta (MALTA)
10. **Date of test report:** 03.08.2016
11. **No. of test report:** K1002KNW01AA
12. **Remarks (if any):** See appendix below
13. **Place:** Blata I-Bajda
14. **Date:** 12.08.2016
15. **Signature:** For Technical Regulations Division
- 

(Director General)
Edward Xuereb
16. **The index to the information package lodged with the Approval Authority, which may be obtained on request, is attached.**
17. **Reasons for extension:** N/A

1/ Distinguishing number of the country which issued /extended/refused or withdrawn approval (see Regulation, provisions on approval).

2/ Strike out what does not apply.

Approval No.: E50 10 R - 05 0097

Extension No.: ----

Appendix to type approval communication form No. E50 10 R - 05 0097 Extension No.: ----
concerning the type approval of an ~~electrical~~/electronic sub-assembly under Regulation No.10

1. Additional information:
 - 1.1. Electrical system rated voltage: 24 Vdc, negative ground
 - 1.2. This ESA can be used on any vehicle type with the following restrictions: See the manufacturer information document
 - 1.2.1. Installation conditions, if any: assembling according to the manufacturer's instructions and in the position provided for by standard in force.
 - 1.3. This ESA can be used only on the following vehicle types: N/A
 - 1.3.1. Installation conditions, if any: N/A
 - 1.4. The specific test method(s) used and the frequency ranges covered to determine immunity were: (Please specify precise method used from Annex 9): see test report no. K1002KNW01AA
 - 1.5. Laboratory accredited to ISO 17025 and recognized by the Approval Authority responsible for carrying out the tests: see test report no. K1002KNW01AA
2. Remarks: N/A

Appendix to type approval communication form No. E50 10 R - 05 0097 Extension No.: ----

concerning the type approval of an electrical/electronic sub-assembly under Regulation No.10

Adding model:

KS0012,KS0015,KS0015MINI,KS8718E,KS0018,KS0020,KS0024,KS0024R,KS0027,KS0027R,KS0042,KS0048,KS1112,KS1112FM,KS2218,KS3318,KS3318FM,KS4418,KS0124,KS0140,KS0148,KS0150,KS0160,KS0110,KS0210,KS0009,KS0212,KS0051,KS0080,KS0090,KS0320,KS0420,KS0224,KS0245,KS0324,KS0345,KS0445,KS0490,KS1809A,KS1809B,KS1115,KS3345,KS1120,KS1120FM,KS1140,KS1140FM,KS0545,KS9990,KS3360,KS33900,KS331000A,KS331000B,KS331000C,KS9945,KS9960,KS99185,KS0115,KS0215,KS0510,KS0610,KS0008,KS0812,KS0815,KS0818,KS0824,KS0836,KS0809,KS0809A,KS6850,KS68100,KS68150,KS68200,KS68250,KS8636,KS8672,KS86120,KS86180,KS86240,KS86288,KS86300,KS86120C,KS86180C,KS86240C,KS86288C,KS86300C,KS8718,KS8736,KS8754,KS8772,KS8790,KS87108,KS87126,KS87144,KS87180,KS87234,KS87252,KS87288,KS87324,KS8836,KS8872,KS88120,KS88180,KS88240,KS88288,KS88300,KS88120C,KS88180C,KS88240C,KS88288C,KS88300C,KS8836E,KS8872E,KS88120E,KS88180E,KS88240E,KS88288E,KS88300E,KS88120CE,KS88180CE,KS88240CE,KS88288CE,KS88300CE,KS8936,KS8972,KS89120,KS89180,KS89240,KS89288,KS89300,KS89120C,KS89180C,KS89240C,KS89288CKS89300C,KS8936E,KS8972E,KS89120E,KS89180E,KS89240E,KS89288E,KS89300E,KS89120CE,KS89180CE,KS89240CE,KS89288CE,KS89300CE,KS0900series,KS0901series,KS0902series,KS0903series,KS0904series,KS0905series,KS0906series,KS0907series,KS0908series,KS0909series,KS0910series,KS0911series,KS0912series,KS0913series,KS0914series,KS0915series,KS0710,KS0720,KS0730,KS0750,KS0710E,KS0720E,KS0730E,KS0750E,KS1series,KS2series,KS3series,KS4series,KS5series,KS6series,KS7series,KS8series,KS1000,KS2000,KS0112,KS0120,KS1809,KS0848,KS0318,KS0312,KS0440

EXM



Report number: K1002KNW01AA

Date of issue	03.08.2016
Page	1 of 1
File	K1002KNW01AA

V.T.S.

Vehicle Technical Service Ltd.
18/2, South Street
Valletta
MALTA

This test report may not be partially reproduced, except with the prior written permission of the issuing Laboratory.

TEST DETAILS

Subject: Type-approval
ECE regulation: ECE R10.05
V.T.S. representative: Francesco CONTI
Location of test: Shenzhen Academy of Metrology and Quality Inspection
National Digital Electronic Product Testing Center
Date of test: 13.07.2016

MANUFACTURER'S DETAILS

Manufacturer's name: KINWONS CO.,LTD
Manufacturer's address: Room 208, Zhongren Building, No.300
Zhongcheng Road, Tianhe District,
Guangzhou, China
Type: KS0027
Item: ESA electrical sub-assembly
component approval

CONCLUSION

The tests and inspections carried out have shown the compliance of the type described in this report and attached annexes with the regulation mentioned above.

Immunity test:

the immunity test has been carried out in an absorber-chamber according to the procedure provided by the reference standard. The device did not suffer any anomaly when tested for immunity to electromagnetic radiation.

Emissions test:

according to the results the devices tested is considered to comply with the requirement laid down in the reference standard relating to radiated electromagnetic emissions.

Immunity to transient disturbances:

according to the results the devices tested is considered to comply with the requirement laid down in the reference standard relating to immunity to transient disturbance conducted along supply lines. The device complies with requirements of the standard ECE R10.05

LIST OF ANNEX

Annex	Description	Pages
A	Reasons for extensions	---
B	Test results	2



ANNEX B TEST RESULTS

Date	03.08.2016
Page	1 of 2
File	K1002KNW01AA

V.T.S.

Vehicle Technical Service Ltd.
18/2, South Street
Valletta
MALTA

This test report may not be partially reproduced, except with the prior written permission of the issuing Laboratory.

0.	General information	
0.1.	Make (trade name of the manufacturer):	KINWONS CO.,LTD
0.2.	Type:	KS0027
	commercial description(s):	Led light
0.3.	Name and address of the manufacturer:	KINWONS CO.,LTD Room 208, Zhongren Building, No.300 Zhongcheng Road, Tianhe District, Guangzhou, China
0.4.	Name and address of authorized representative, if any:	N/A
0.5.	Information folder	
	- number	KS0027-00
	- date of issue	14.04.2016
1.	Tested vehicle(s) / object(s)	
1.1.	Location and date of test:	
1.1.1.	Location:	see test report no. WT168003717 dated 19.07.2016
1.1.2.	Date:	see test report no. WT168003717 dated 19.07.2016
1.2.	Description:	
1.2.1.	vehicle/object:	object (ESA component approval)
1.2.2.	Tested object(s):	1 x device also see test report no. WT168003717 dated 19.07.2016
1.3.	Remark:	all versions of the device type as stated in the information document are covered by the tested device versions and tested objects respectively.
2.1.	Test results:	the device type has been tested according with the requirements for ESA devices.



ANNEX B TEST RESULTS

Date	03.08.2016
Page	2 of 2
File	K1002KNW01AA

V.T.S.

Vehicle Technical Service Ltd.
18/2, South Street
Valletta
MALTA

This test report may not be partially reproduced, except with the prior written permission of the issuing Laboratory.

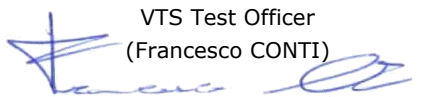
- | | | |
|--------|---|--|
| 2.2. | Electrical system rated voltage: | 24 Vdc
Negative ground |
| 2.3. | This ESA can be used on any vehicle type with the following restrictions: | see the information folder |
| 2.3.1. | Installations conditions, if any: | see the information folder |
| 2.4. | This ESA can only be used on the following vehicle types: | N/A |
| 2.4.1. | Installations conditions, if any: | N/A |
| 2.5. | The specific method(s) used and the frequency ranges covered to determinate immunity were (please specify precise method used from Annex 9): | see test report no. WT168003717 dated 19.07.2016 |
| 2.6. | Laboratory accredited to ISO 17025 and recognized by the Approval Authority (for the purpose of this Regulation) responsible for carrying out the test: | Shenzhen Academy of Metrology and Quality Inspection
National Digital Electronic Product Testing Center
NETC Building, No.4 Tongfa Rd., Xili, Nanshan, Shenzhen, China |
| 2.7. | Remarks: | N/A |
| 3. | List of appendices | N/A |
| 4. | Statement of conformity | the above mentioned information folder and the device type described in that comply with the requirements mentioned on page 1. |

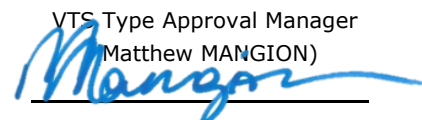
N.B.

The results recorded in this report concern exclusively this tested sample.

Date: 03.08.2016

Signature


VTS Test Officer
(Francesco CONTI)


VTS Type Approval Manager
Matthew MANGION

Content- ECE R10

DOCUMENT	PAGE
Technical Description	2 - 3
Label Drawing	4
Assembly Drawing	5 - 6
Circuit Diagram	7-8
Bill of Materials	9
Version List	0

INFORMATION DOCUMENT FOR TYPE-APPROVAL OF AN ELECTRIC/ELECTRONIC
SUB-ASSEMBLY WITH RESPECT TO ELECTROMAGNETIC COMPATIBILITY
ACCORDING ANNEX 2B OF ECE-R10.05

- 1 Make (trade name of the manufacturer) : KINWONS CO.,LTD
- 2 Type : KS0027
- 2.1 Variants (if applicable) : N/A
- 2.2 General commercial description(s) : Led light
- 2.3 Category of vehicle : All categories of vehicle
- 3 Means of identification of type if marked on the vehicle/component/STU : Letters and digits
- 3.1 Location of that marking : Sticker on the housing
- 4 Name and address of the manufacturer : KINWONS CO.,LTD
Room 208, Zhongren Building, No.300 Zhongcheng Road, Tianhe District, Guangzhou, China
- 5 In the case of components and separate technical units, location and method of affixing of the approval mark : Sticker on the housing
- 5.1 Approval mark : Ex. E50 10R-05XXXX
- 6 Address(es) of assembly plant(s) : KINWONS CO.,LTD
Room 208, Zhongren Building, No.300 Zhongcheng Road, Tianhe District, Guangzhou, China
- 7 This ESA shall be approved as a : Component
- 8 Any restrictions of use and conditions for fitting : No restrictions
- 9 Electrical system rated voltage : DC24Vdc ... ~~pos./neg.~~ ground⁽¹⁾
- 10 Installation conditions : Connected to battery of the vehicle
- 11 Charger: on board/external : N/A
- 12 Charging current: DC /AC (number of phases/frequency) : N/A
- 13 Maximal nominal current (in each mode if necessary) : N/A
- 14 Nominal charging voltage : N/A

Type:	KS0027
Page:	2 of 9

- 15 Basic ESA interface functions: : N/A
ex. L1/L2/L3/N/PE/control pilot
- 16 Minimum R_{sce} value : N/A
(see paragraph 7.11. of this
Regulation)
- 17 Remark : ---

Type:	KS0027
Page:	3 of 9

Label Drawing



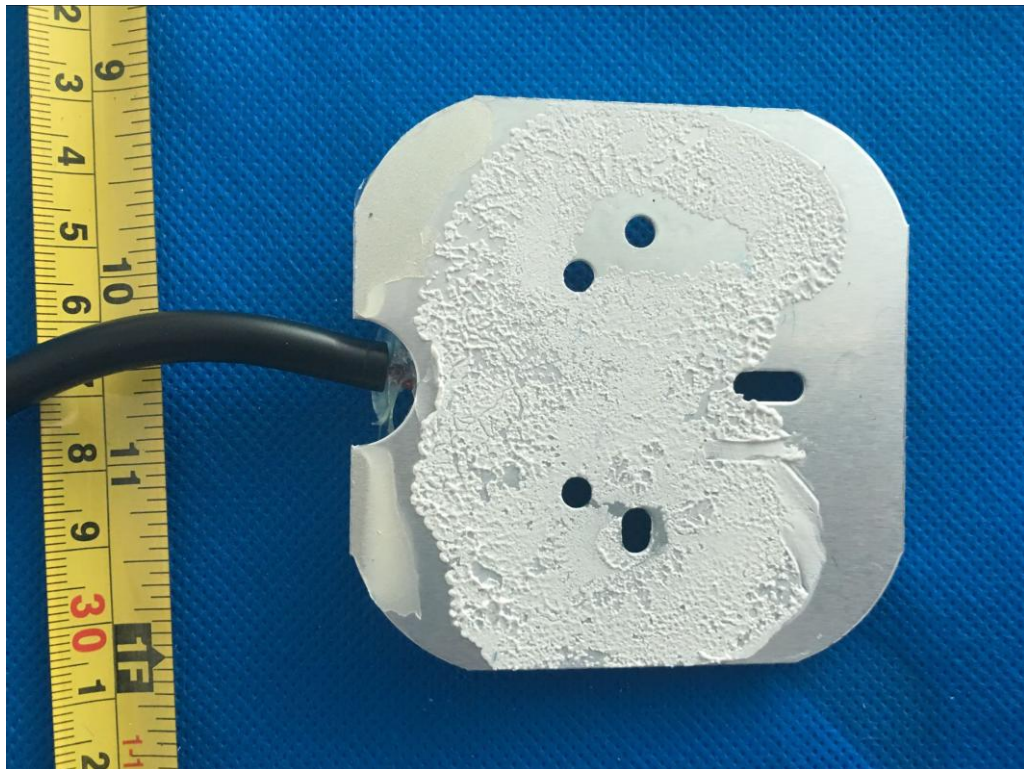
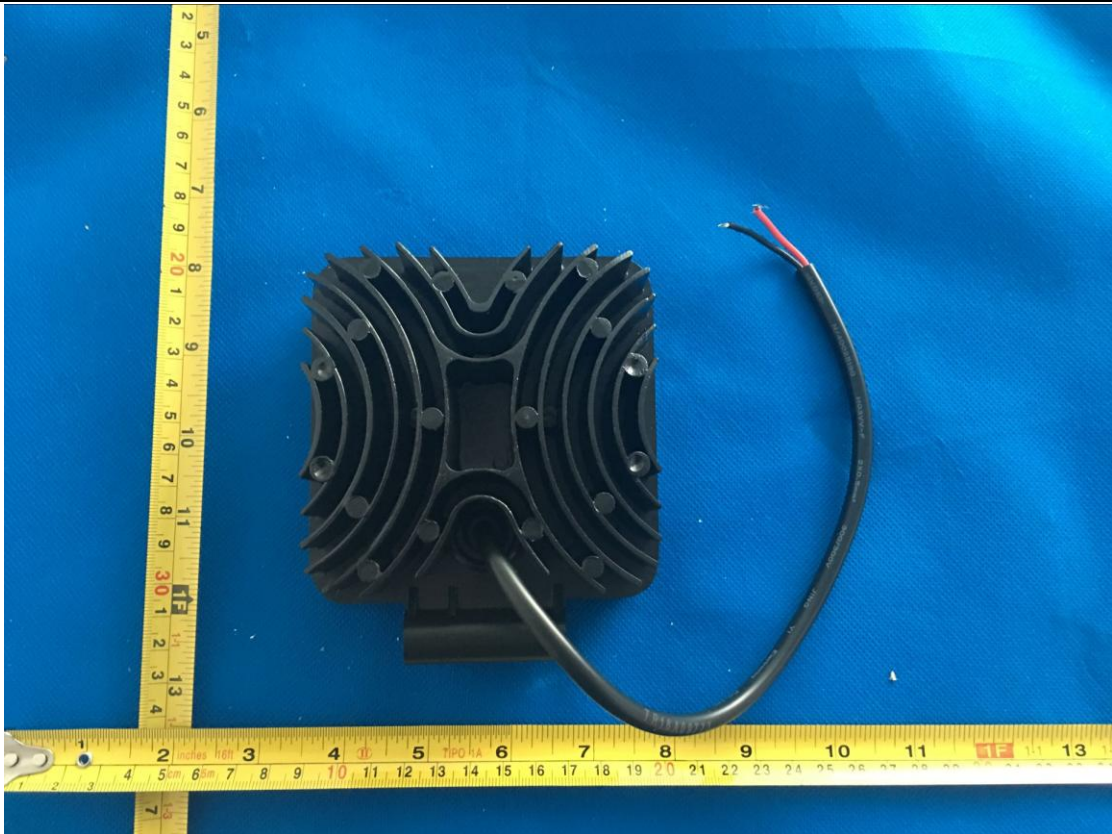
Trade mark and Approval mark

	Type:	KS0027
	Page:	4 of 9

Assembly Drawing

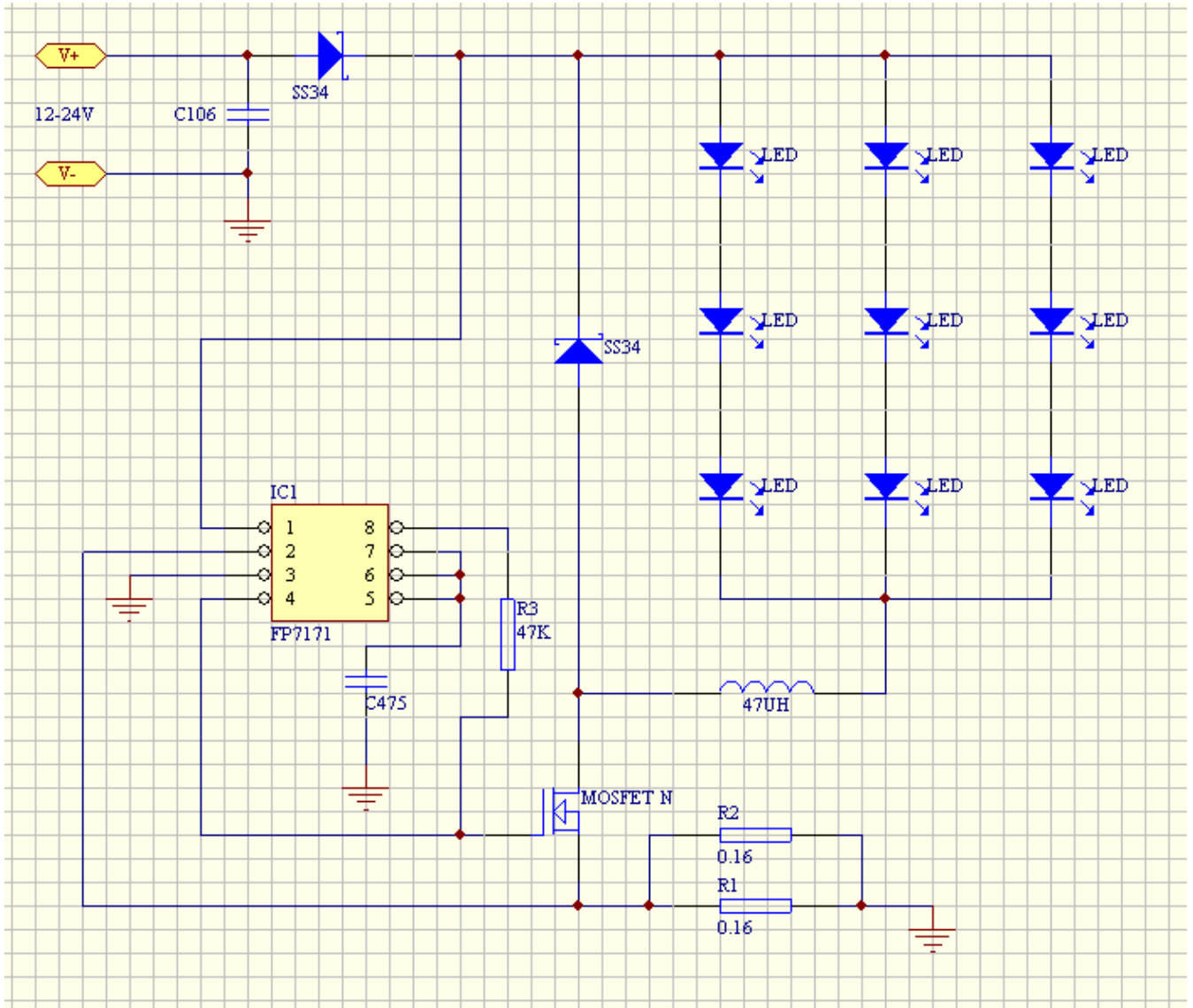


	Type:	KS0027
	Page:	5 of 9



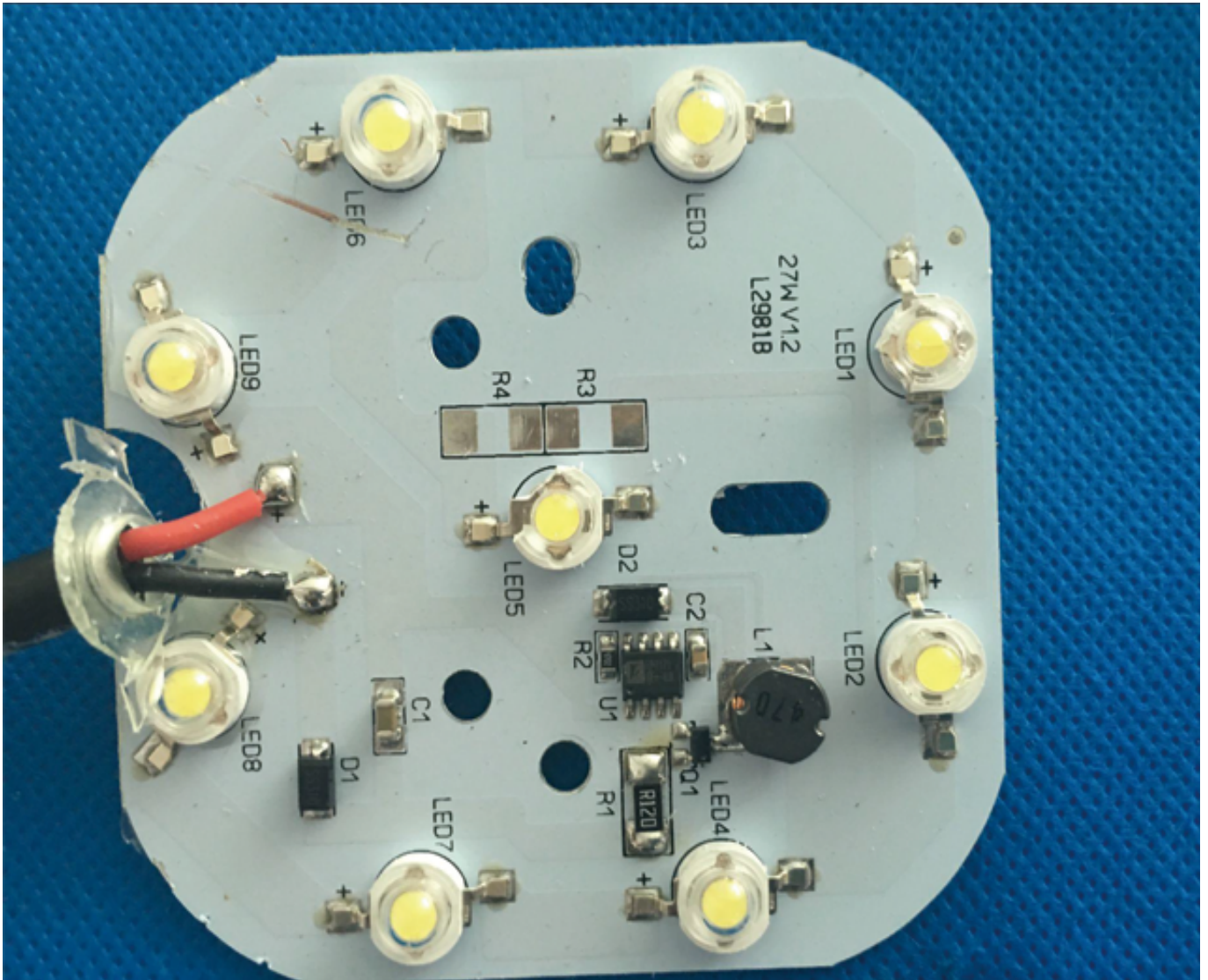
Type:	KS0027
Page:	6 of 9

Circuit Diagram



Type:	KS0027
Page:	7 of 9

Circuit Diagram



Type:	KS0027
Page:	8 of 9

Bill of Materials No. 1

Item No.	Comment	Specification/Description	QTY(PC)	Position
1	Aluminum light body	109×139.5×40mm/ADC12/black powder coated	1	
2	PC lens	100.8×99.8×17.2mm/PC/clear/90%luminousness	1	
3	LENS	φ 20×11.1mm/PMMA/clear/30°/60°/90%luminousness	9	
4	Cable grommet	φ 13.5×φ7.0×15mm/Silicon rubber/black	1	
5	Bracket	52.6×23.3×25/stainless 201	1	
6	Hex screw	M8×64mm/stainless 201	1	
7	Spring	Φ 8×1.9mm/stainless 30Cr13	2	
8	Hex screw nut	M8×5.6mm/stainless 201	2	
9	Hexagonal bolt	M8×24mm/stainless 201	1	
10	Cross recess pan head screw	M3×6mm/20#	3	
11	Power cord	35*0.5	0.35M	
12	PCB	Complete PCB	1	
13	Heat Conduct Silicone	Heat conductivity2.0/white	0.004KG	
14				
15				
16				
17				
18				
19				
20				

Type:	KS0027
Page:	9 of 9