



Repubblica di San Marino
Autorità per l'Omologazione
Republic of San Marino
Authority for Homologation

Via Consiglio dei Sessanta, 99
47891 Dogana - Repubblica di San Marino

Comunicazione
Communication

	Concernente ^{2/} Concerning ^{2/}	Il rilascio dell'omologazione Approval granted L'estensione dell'omologazione Approval extended Il rifiuto dell'omologazione Approval refused La revoca dell'omologazione Approval withdrawn La cessazione definitiva della produzione Production definitively discontinued
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of a type of ~~electrical~~/ electronic sub-assembly ⁽²⁾ with regard to regulation no. 10.06

Omologazione N. Approval No.	E57*149R00/06*1186	Estensione N. Extension No.	00
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Marchio di omologazione Approval mark	 149R - 001186
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1. Make (trade name of manufacturer):



2. Type and general commercial description(s):

L11, High&Low Beam Auxiliary Light

2.1. Variants:

L11T, L11Pro, L11S, L11Q, L11K

3. Means of identification of type, if marked on the
~~vehicle/component/separate technical unit~~ ⁽²⁾

3.1. Location of that marking:

On the housing

4. Category of vehicle:

L, M, N, O

5. Name and address of manufacturer: Shenzhen LOBOO Motor Accessories Co., Ltd.
301, No. 30-10 Laiyin Road, Xinsheng Community,
Longgang Street, Longgang District, Shenzhen
6. In the case of components and separate technical units, location and method of affixing of the approval mark: N/A
7. Address(es) of assembly plant(s): Shenzhen Moxingtianxia Automobile & Motorcycle Accessories Co., Ltd.
301, No. 30-10 Laiyin Road, Xinsheng Community,
Longgang Street, Longgang District, Shenzhen,
Guangdong, China
8. Additional information (where applicable): See appendix below
9. Technical service responsible for carrying out the tests: **AUTOMOTIVE TECHNICAL SERVICE S.r.l.**
Via Consiglio dei Sessanta, 99
47891 – DOGANA Repubblica di San Marino
10. Date of test report: 05/06/2024
11. No. of test report: ATS-SM-IR-149-0167
12. Any remarks: See appendix below
13. Place: DOGANA – Repubblica di San Marino
14. Date: 19/06/2024
15. Signature:




Ing. Marco CONTI
Direttore Generale
General Director

16. The list of documents deposited with the Type Approval Authority which has granted approval is annexed to this communication and may be obtained on request
17. Reason for extension: Not Applicable

(1) Strike out what does not apply.

APPENDIX

to type-approval communication form No. E57*149R00/06*1186*00
concerning the type-approval of an ~~electrical~~/electronic sub-assembly under Regulation
No. 10.06

1. Additional information:

- 1.1. Electrical system rated voltage: 12V DC, ~~pos.~~ / neg. ground¹
- 1.2. This ESA can be used on any vehicle type with the following restrictions: N/A
- 1.2.1. Installation conditions, if any: N/A
- 1.3. Vehicle equipped with 24 GHz short-range radar equipment: 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. ATS-SM-IR-149-0167
- 1.5. Laboratory accredited to ISO 17025 and recognized by the Approval Authority responsible for carrying out the tests: **Dach Science and Technology (Guangzhou) Co., Ltd. (DACH)**

2. Remarks:

(1) Strike out what does not apply.

LIBERTAS

REPUBBLICA
DI SAN MARINO

Allegato <i>Enclosure</i>				
Al certificato di omologazione ECE N. <i>To ECE approval certificate No.</i>		E57*149R00/06*1186*00		
Indice del fascicolo di omologazione <i>Index to the information package</i>				
Data <i>Date of issue</i>	19/06/2024	Data ultima modifica <i>Last amendment date</i>	--	
1.	Clausole di garanzia e istruzioni sul diritto di presentare ricorso <i>Collateral clauses and instruction on right to appeal</i>			
2.	Rapporto(i) Finale di Ispezione N. <i>Inspection report(s) No.</i>	ATS-SM-IR-149-0167	Data <i>Date</i>	05/06/2024
3.	Scheda informativa N. <i>Information document No.</i>	L11-00	Data <i>Date</i>	04/06/2024
			Data ultima modifica <i>Last amendment date</i>	--



Clausole di garanzia e istruzioni sul diritto di presentare ricorso

Clausole di garanzia

La produzione in serie deve essere esattamente conforme ai documenti di omologazione. Le variazioni di produzione in serie sono consentite solo con il consenso espresso del **Autorità per l'Omologazione**.

Le variazioni del nome della società, l'indirizzo e lo stabilimento di produzione, nonché una delle parti che hanno l'autorità alla consegna o eventuali rappresentanti nominati al momento del rilascio dell'omologazione, devono essere immediatamente comunicate al **Autorità per l'Omologazione**. La violazione di queste regole può portare al ritiro dell'omologazione ed inoltre può essere legalmente perseguita.

L'omologazione decade se viene restituita o ritirata o se il tipo omologato non è più conforme ai requisiti di legge. La revoca può essere fatta se non esistono più i requisiti richiesti per il rilascio e la continuazione dell'omologazione, se il titolare dell'omologazione viola gli obblighi dettati dall'omologazione, anche nel caso in cui gli obblighi derivino dalle condizioni assegnate all'interno dell'omologazione, o se è accertato che il tipo approvato non è conforme ai requisiti di sicurezza del traffico e di tutela dell'ambiente.

L'**Autorità per l'Omologazione** può verificare la corretta applicazione della delega conferita rilasciata nella presente omologazione, in qualsiasi momento. In particolare, questo include la verifica della produzione, che sia conforme, nonché le misure di controllo di conformità della produzione. Per questo, possono essere presi dei campioni dalla produzione. I dipendenti o rappresentanti dell'**Autorità per l'Omologazione** possono avere accesso senza ostacoli agli impianti di produzione e stoccaggio.

La delega conferita contenuta nella presente omologazione non è trasferibile. I diritti del marchio di terzi non sono interessati da questa omologazione.

Istruzione su diritto di ricorso

Questa omologazione è appellabile entro un mese dalla notifica. Il ricorso deve essere presentato per iscritto o come una domanda inviata all' **Autorità per l'Omologazione** - Via Consiglio dei Sessanta, 99 - 47891 Dogana - Repubblica di San Marino.

Collateral clauses and instruction on right to appeal

Collateral clauses

*The individual production of serial fabrication must be in exact accordance with the approval documents. Changes in the individual production are only allowed with express consent of the **Authority for Homologation**.*

*Changes in the name of the company, the address and the manufacturing plant as well as one of the parties given the authority to delivery or authorized representative named when the approval was granted is to be immediately disclosed to the **Authority for Homologation**. Breach of this regulation can lead to recall of the approval and moreover can be legally prosecuted.*

The approval expires if it is returned or withdrawn or if the type approved no longer complies with the legal requirements. The revocation can be made if the demanded requirements for issuance and the continuance of the approval no longer exist, if the holder of the approval violates the duties involved in the approval, also to the extent that they result from the assigned conditions to this approval, or if it is determined that the approved type does not comply with the requirements of traffic safety or environmental protection.

*The **Authority for Homologation** may check the proper exercise of the conferred authority taken from this approval at any time. In particular this means the compliant production as well as the measures for conformity of production. For this purpose samples can be taken or have taken. The employees or the representatives of the **Authority for Homologation** may get unhindered access to the production and storage facilities.*

The conferred authority contained with issuance of this approval is not transferable. Trade mark rights of third parties are not affected with this approval.

Instruction on right to appeal

*This approval can be appealed within one month after notification. The appeal is to be filed in writing or as a transcript at the **Authority for Homologation** - Via Consiglio dei Sessanta, 99 - 47891 Dogana - Repubblica di San Marino.*

Inspection Report No.: ATS-SM-IR-149-0167

Of: 05.06.2024



Type: L11

Manufacturer: Shenzhen LOBOO Motor Accessories Co., Ltd.

Inspection Report

No. ATS-SM-IR-149-0167

Inspection concerning ~~vehicles~~/ components with regard to:

**Uniform provisions concerning the approval of road illumination devices
(lamps) and systems for power-driven vehicles:**

- Headlamps
- ~~Adaptive front lighting systems~~
- ~~Front fog lamps~~
- ~~Cornering lamps~~

(strike out what does not apply)

performed according to

ECE Regulation No. 149

as last amended by

00 series of amendments

of the Economic Commission for Europe

Approval status	
ECE	Number of approval
	E57*149R00/06*1186

Inspection Report No.: ATS-SM-IR-149-0167

Of: 05.06.2024



Type: L11

Manufacturer: Shenzhen LOBOO Motor Accessories Co., Ltd.

0. General information

0.1. Make (trade name of manufacturer):



0.2. Type: L11

0.2.1. Variant(s): L11T, L11Pro, L11S, L11Q, L11K

0.3. Name and address of manufacturer: Shenzhen LOBOO Motor Accessories Co., Ltd.
301, No. 30-10 Laiyin Road, Xinsheng
Community, Longgang Street, Longgang
District, Shenzhen

0.3.1 Name and address of manufacturer's
authorized representative: N/A

0.3.2. Production plant(s) address(es): Shenzhen Moxingtianxia Automobile &
Motorcycle Accessories Co., Ltd.
301, No. 30-10 Laiyin Road, Xinsheng
Community, Longgang Street, Longgang
District, Shenzhen, Guangdong, China

0.4. No. of the information document: L11-00 Date: 04/06/2024

0.5. Position of the approval mark: On the housing

0.6 Vehicle category(ies) L, M, N, O

(or, if not applicable, vehicle categories
which the component(s) is (are) suitable
for):

Inspection Report No.: ATS-SM-IR-149-0167

Of: 05.06.2024



Type: L11

Manufacturer: Shenzhen LOBOO Motor Accessories Co., Ltd.

1. Test conditions

- 1.1. Test sample: Two samples of type: L11
Marking: Sample No. 1, Sample No. 2
- 1.1.1. Technical data from the manufacturer: Testing laboratory does not bear any responsibility for possibly incorrect values provided by the manufacturer and for test results found out based on these values.
- 1.2. Test procedures used: According to UN Regulations No. 149.00
- 1.3. Measuring and test equipment: Full automatic photometric test system for automobile lamps
EVERFINE PHOTO-E-INFO CO., LTD.
Type GO-HD5
- 1.4. Worst case evaluation: Single case – no variant.
This paragraph is required by the Type Approval Authority.
- 1.5. Test track or site: Dach Science and Technology (Guangzhou) Co., Ltd. (DACH)

Inspection Report No.: ATS-SM-IR-149-0167

Of: 05.06.2024



Type: L11

Manufacturer: Shenzhen LOBOO Motor Accessories Co., Ltd.

2. Test results

2.1. Headlamp (Passing beam) – UN Regulation No. 149.00

2.1.1. Intensity of light emitted

2.1.1.1. Sample No. 1, test voltage 13.5V

No.	Point of the measurement	Limits [cd]	Measured values [cd]	
			1 min.	After stability
1	(3.5R - 0.86D)	2000~13750	2219.645	2233.684
2	(H - 0.86D)	2450 MIN	2827.547	2845.431
3	(3.5L - 0.86D)	2000~13750	3302.471	3323.359
4	(1.5L - 0.5U)	900 MAX	331.547	333.644
5	(1.5R - 0.5U)	900 MAX	240.861	242.384
6	(15R - 2D)	550 MIN	3284.474	3305.248
7	(15L - 2D)	550 MIN	2176.163	2238.482
8	(20L - 4D)	150 MIN	2009.678	2022.389
9	(20R - 4D)	150 MIN	568.509	572.105
10	(H - V)	1700 MAX	387.238	389.687
11	Line 1	1350 MIN	4605.841	4634.973
12	(8L - 4U)	700 MAX	167.173	168.230
13	(H - 4U)	700 MAX	224.464	225.884
14	(8R - 4U)	700 MAX	176.872	177.991
15	(4L - 2U)	900 MAX	266.657	268.344
16	(H - 2U)	900 MAX	236.462	237.958
17	(4R - 2U)	900 MAX	743.980	748.686
18	(8L - V)	50 MIN	423.532	426.211
19	(8R - V)	50 MIN	336.528	341.932
20	(4L - V)	100~900	422.432	425.104
21	(4R - V)	100~900	434.875	439.628
22	Zone 1	900 MAX	423.132	425.808
23	Zone 2	700 MAX	223.764	225.179
			Complies	

Inspection Report No.: ATS-SM-IR-149-0167

Of: 05.06.2024



Type: L11

Manufacturer: Shenzhen LOBOO Motor Accessories Co., Ltd.

2.1.1.2. Sample No. 2, test voltage 13.5V

No.	Point of the measurement	Limits [cd]	Measured values [cd]	
			1 min.	After stability
1	(3.5R - 0.86D)	2000~13750	3739.401	3864.316
2	(H - 0.86D)	2450 MIN	4768.237	4927.520
3	(3.5L - 0.86D)	2000~13750	5770.076	5962.826
4	(1.5L - 0.5U)	900 MAX	759.179	784.539
5	(1.5R - 0.5U)	900 MAX	545.113	563.323
6	(15R - 2D)	550 MIN	7017.876	7252.308
7	(15L - 2D)	550 MIN	7152.386	7238.693
8	(20L - 4D)	150 MIN	4474.284	4623.748
9	(20R - 4D)	150 MIN	1331.888	1376.380
10	(H - V)	1700 MAX	856.063	884.660
11	Line 1	1350 MIN	10777.570	11137.595
12	(8L - 4U)	700 MAX	383.739	396.558
13	(H - 4U)	700 MAX	521.817	539.248
14	(8R - 4U)	700 MAX	426.332	440.574
15	(4L - 2U)	900 MAX	619.101	639.782
16	(H - 2U)	900 MAX	566.609	585.537
17	(4R - 2U)	900 MAX	1730.823	1788.641
18	(8L - V)	50 MIN	585.806	605.375
19	(8R - V)	50 MIN	593.148	601.244
20	(4L - V)	100~900	771.877	797.662
21	(4R - V)	100~900	783.961	792.864
22	Zone 1	900 MAX	850.164	878.564
23	Zone 2	700 MAX	521.217	538.628
			Complies	

2.1.2. Colour – White

	Measured values			Limits
	Sample	x	y	W12 green boundary: $y = 0.150 + 0.640 x$ W23 yellowish green boundary: $y = 0.440$ W34 yellow boundary: $x = 0.500$ W45 reddish purple boundary: $y = 0.382$ W56 purple boundary: $y = 0.050 + 0.750 x$ W61 blue boundary: $x = 0.310$
After 1 minute	No. 1	0.3162	0.3194	Complies
	No. 2	0.3258	0.3233	Complies
After stability	No. 1	0.3186	0.3195	Complies
	No. 2	0.3288	0.3267	Complies

2.1.3. Headlamp (Driving beam) – UN Regulation No. 149.00

2.1.4. Intensity of light emitted

2.1.5. Sample No. 1, test voltage 13.5V

No.	Point of the measurement	Limits [cd]	Measured values [cd]	
			1 min.	After stability
1	H - V	20000 MIN	28815.390	29505.280
2	2.5R - H	10000 MIN	27785.550	28450.784
3	2.5L - H	10000 MIN	27075.670	27723.908
4	5R - H	3500 MIN	20556.710	21048.873
5	5L - H	3500 MIN	18447.050	18888.704
6	9R - H	2000 MIN	6346.984	6498.942
7	9L - H	2000 MIN	5645.096	5780.249
8	12R - H	600 MIN	2839.545	2907.529
9	12L - H	600 MIN	2640.577	2703.797
10	H - 2U	1000 MIN	27635.580	28297.223
11	MAXIMUM	25000~215000	31480.460	32234.156
			Complies	

2.1.5.1. Sample No. 2, test voltage 13.5V

No.	Point of the measurement	Limits [cd]	Measured values [cd]	
			1 min.	After stability
1	H - V	20000 MIN	56770.910	58300.670
2	2.5R - H	10000 MIN	55691.090	57191.753
3	2.5L - H	10000 MIN	51211.800	52591.763
4	5R - H	3500 MIN	43922.970	45106.527
5	5L - H	3500 MIN	32224.840	33093.177
6	9R - H	2000 MIN	14412.690	14801.057
7	9L - H	2000 MIN	9589.465	9847.865
8	12R - H	600 MIN	6158.014	6323.949
9	12L - H	600 MIN	4679.251	4805.339
10	H - 2U	1000 MIN	53811.390	55261.402
11	MAXIMUM	25000~215000	61865.240	63532.273
			Complies	

2.1.6. Colour – White

	Measured values			Limits
	Sample	x	y	W12 green boundary: $y = 0.150 + 0.640 x$ W23 yellowish green boundary: $y = 0.440$ W34 yellow boundary: $x = 0.500$ W45 reddish purple boundary: $y = 0.382$ W56 purple boundary: $y = 0.050 + 0.750 x$ W61 blue boundary: $x = 0.310$
After 1 minute	No. 1	0.3247	0.3283	Complies
	No. 2	0.3188	0.3217	Complies
After stability	No. 1	0.3219	0.3256	Complies
	No. 2	0.3194	0.3273	Complies

2.2. Test record of different traffic condition (after stability), sample No. 1 and No. 2, test voltage 13.5V

No.	Point of the measurement	X [°]	Y [°]	Limits [cd]		Measured values [cd]	
				Min.	Max.	Sample No. 1	Sample No. 2
1	0.86D-1.72L	-1.72	-0.86	2500.00	-	6203.85	6389.71
2	0.57U-3.43R	3.43	0.57	-	880.00	316.04	297.58

2.3. Test record of the photometric measurement in different positions, sample No. 1 and No. 2, test voltage 13.5V

2.3.1. Passing beam (+2°)

No.	Point of the measurement	X [°]	Y [°]	Limits [cd]		Measured values [cd]	
				Min.	Max.	Sample No. 1	Sample No. 2
1	B50L	-3.43	0.57	-	350.00	208.76	213.48
2	75R	1.15	-0.57	10100.00	-	8124.74	8016.58

2.3.2. Passing beam (-2°)

No.	Point of the measurement	X [°]	Y [°]	Limits [cd]		Measured values [cd]	
				Min.	Max.	Sample No. 1	Sample No. 2
1	B50L	-3.43	0.57	-	350.00	205.18	199.48
2	75R	1.15	-0.57	10100.00	-	7911.94	8059.77

2.3.3. Driving beam (+2°)

No.	Point of the measurement	X [°]	Y [°]	Limits [cd]		Measured values [cd]	
				Min.	Max.	Sample No. 1	Sample No. 2
1	I _{max}	-	-	40500.00	215000.00	72837.86	72824.49
2	HV	0	0	0.8 I _{max}	-	75368.32	76472.84

2.3.4. Driving beam (-2°)

No.	Point of the measurement	X [°]	Y [°]	Limits [cd]		Measured values [cd]	
				Min.	Max.	Sample No. 1	Sample No. 2
1	I _{max}	-	-	40500.00	215000.00	75983.71	76675.42
2	HV	0	0	0.8 I _{max}	-	75024.75	77012.93

2.5. Tests for stability of photometric performance of headlamps in operation – Annex 7 of UN R149.00

2.5.1. Test for stability of photometric performance - Sample No. 1

No.	Point of the measurement		X [°]	Y [°]	Limit change	Measured values [cd]		
					$\Delta \pm 10\%$	Clean – prior to test	Clean – after 12 hours	Dirty – after 1 hour
1	Passing beam	HV	0	0	7.07%	504.13	532.74	563.83
2		B50L*	3.43	0.57	15.80cd	212.25	227.48	243.27
3		25L	-9.00	-1.72	2.79%	6415.86	6403.65	6217.32
4		50R	1.15	-0.86	1.81%	7813.60	7257.84	6584.61
5	Driving beam	I _{max}	-	-	0.50%	6461.74	6082.64	5721.46

*The value measured at Point B50L shall not exceed the photometric value measured prior to the test by more than 170cd.

2.5.2. Test for change in vertical position of the cut-off line under influence of heat

No.	Measurement values		
	Change	Limits	Conclusion
1	0.15 mrad	Upwards < 1.0 mrad Downwards < 2.0 mrad	Complies

2.5.3. Tests for lamps incorporating lenses of plastic material – Annex 8 of UN R149.00

2.8.3.1.	Test report for plastic material of the lens attached to the manufacturer's information document.
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2.5.4. Test of the complete headlamp – resistance to mechanical deterioration of the lens surface

2.5.4.1. Sample No. 1

No.	Point of the measurement	X [°]	Y [°]	Limits [cd]		Measured
				Minimum	Maximum	values [cd]
1	HV	0	0	-	812.50	624.19
2	B50L	-3.43	0.57	-	455.00	277.58
3	75R	1.15	-0.57	9090.00	-	28362.35

2.5.5 Test of the complete headlamp – test of adherence of coatings

2.5.5.1.	Sample No. 2	No appreciable impairment of the gridded area – complies
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2.6. Test record of LED modules

2.6.1. Test voltage 13.5V

2.6.1.1. Red Content

	Limit	Measured	Conclusion
Passing beam	$K_{red} \geq 0.05$	0.0867	Complies
Driving beam	$K_{red} \geq 0.05$	0.0826	Complies

2.6.1.2. UV-radiation

	Limit	Measured	Conclusion
Passing beam	$K_{UV} \leq 10^{-5} \text{ W/lm}$	5.21×10^{-6}	Complies
Driving beam	$K_{UV} \leq 10^{-5} \text{ W/lm}$	5.64×10^{-6}	Complies

2.6.1.3. Objective Luminous Flux

	Limit		Measured	Conclusion
	Minimum	Maximum		
Passing beam	1000 lm	---	1394.20 lm	Complies
Driving beam	---	---	2488.31 lm	Complies

Inspection Report No.: ATS-SM-IR-149-0167

Of: 05.06.2024



Type: L11

Manufacturer: Shenzhen LOBOO Motor Accessories Co., Ltd.

3. Statement of conformity

The information document as given in paragraph 0.4 and the type described there are in compliance with the test specification mentioned above.

With regard to the required level of performance to be achieved, the tested items were representative for the type to be approved.

The tests were carried out in accordance with the relevant requirements of EN ISO/IEC 17025 and EN ISO/IEC 17020 / R149-00 ECE/UN.

The inspection Report comprises pages 1 to 12.

It shall not be reproduced except in full, without written approval of the laboratory.

Dogana, Repubblica di San Marino, 05.06.2024

Number of project and protocol	Originality Check (*)	Automotive Technical Service S.r.l. Inspector  (Nancy Deng)	
	 ATS-SM-PR-0167	Automotive Technical Service S.r.l. Deputy Technical Director  (Ing. Bogdan Domnescu)	

(*) To check the originality of documents, scan the QR Code or connect to the site <https://www.ats-srl.org/originality-control-atp-adr-tyapp/> and follow the instruction in it.

Inspection Report No.: ATS-SM-IR-149-0167

Of: 05.06.2024



Type: L11

Manufacturer: Shenzhen LOBOO Motor Accessories Co., Ltd.

Appendix 1

List of modifications

Applicable / Not Applicable

Appendix 1

More details for application of:

Date :

Correction of : -

Modification of : -

Addition of : -

Deletion of : -



Shenzhen LOBOO Motor Accessories Co., Ltd.
301, No. 30-10 Laiyin Road, Xinsheng
Community, Longgang Street, Longgang
District, Shenzhen

June 04, 2024

Dear Sirs,

We would like to apply for the type approval according to ECE.

Function	ECE approval number
Head lamp	E57*149R00/06*XXXXXX*00

Trade name or mark	:	
Manufacturer's name for type of device	:	L11
Name and address of manufacturer	:	Shenzhen LOBOO Motor Accessories Co., Ltd. 301, No. 30-10 Laiyin Road, Xinsheng Community, Longgang Street, Longgang District, Shenzhen

We confirm that the above mentioned application has not been submitted to any other EC member state nor has any other member state granted a corresponding approval.

Sincerely

Shenzhen LOBOO Motor Accessories Co., Ltd.



Information folder No. : L11-00

First application date : June 04, 2024

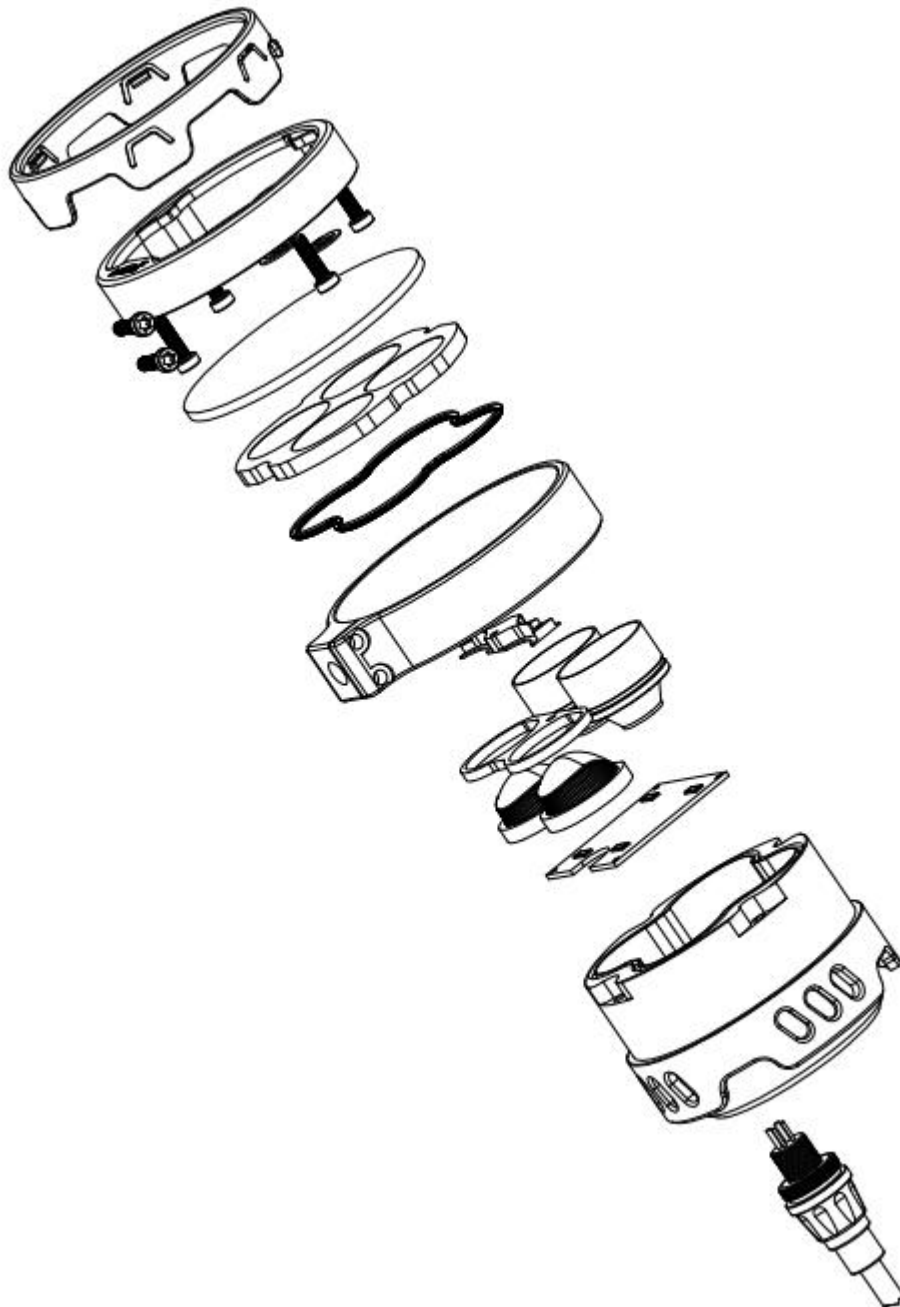
1. Specification data

Type		L11	
Function		Head lamp	
Color		White / Yellow	
Rated	Voltage	12V	
	Wattage	Low beam mode	High and low beam mode
		80W	150W
Application Regulation ECE		R149.00 Class B RHT	
Location of marking	Number and category of light source	4*LEDs	
		Non-replaceable light source	
	Trade mark		
		Marked on housing	
	Approval mark	Marked on housing	
	Variant(s)	L11T, L11Pro, L11S, L11Q, L11K	

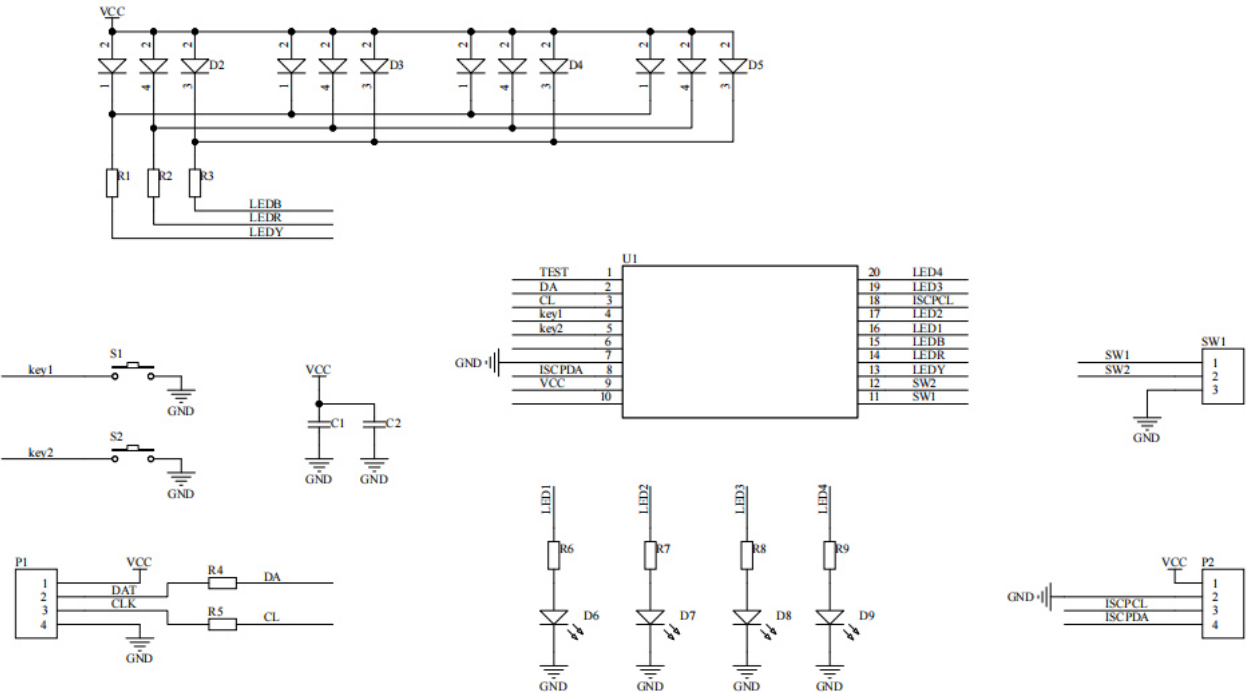
2. Construction and material

Construction	Material	Remark
Lens	Glass	Colour: Clear
Housing	Aluminum alloy	Colour: Black
Electrical Wiring	Copper covered with insulation	--

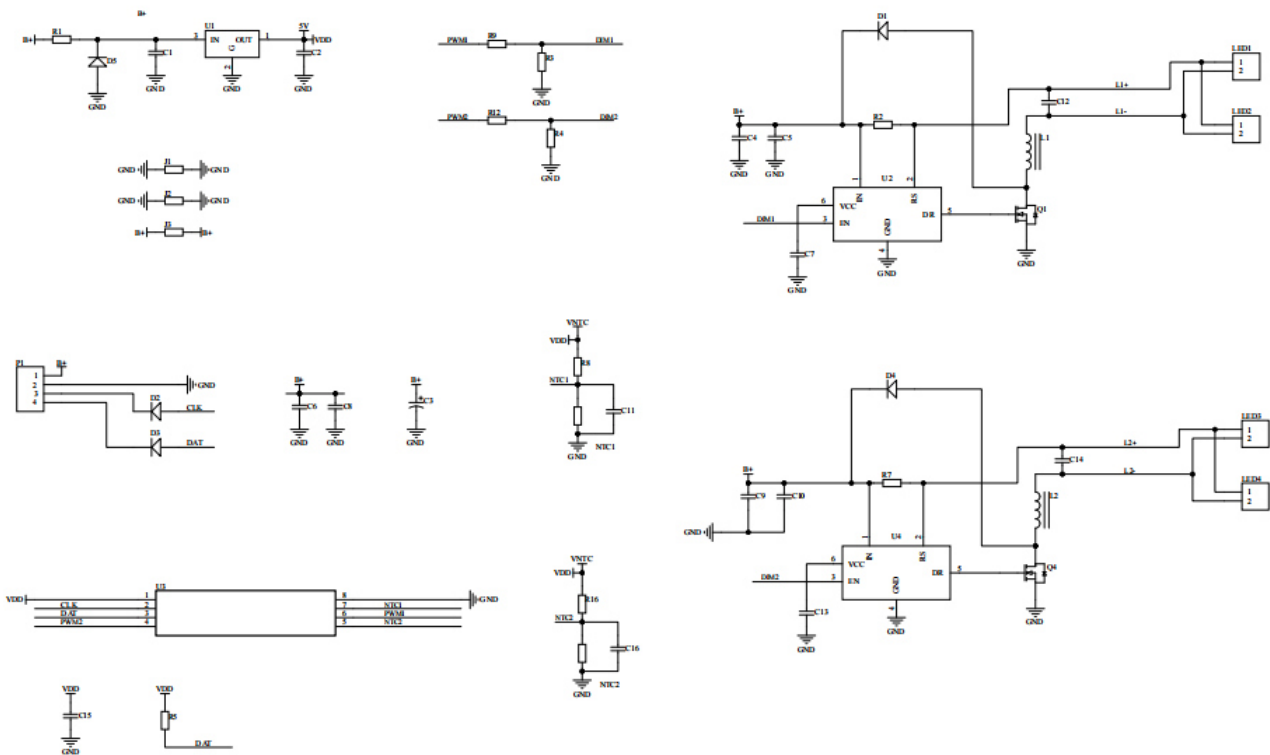
3. Name and address of manufacturer : Shenzhen LOBOO Motor Accessories Co., Ltd.
301, No. 30-10 Laiyin Road, Xinsheng Community,
Longgang Street, Longgang District, Shenzhen
4. Name and address of the assembly plant : Shenzhen Moxingtianxia Automobile&Motorcycle
Accessories Co., Ltd.
301, No. 30-10 Laiyin Road, Xinsheng Community,
Longgang Street, Longgang District, Shenzhen,
Guangdong, China
5. Name and address of the manufacturer's representative : N/A



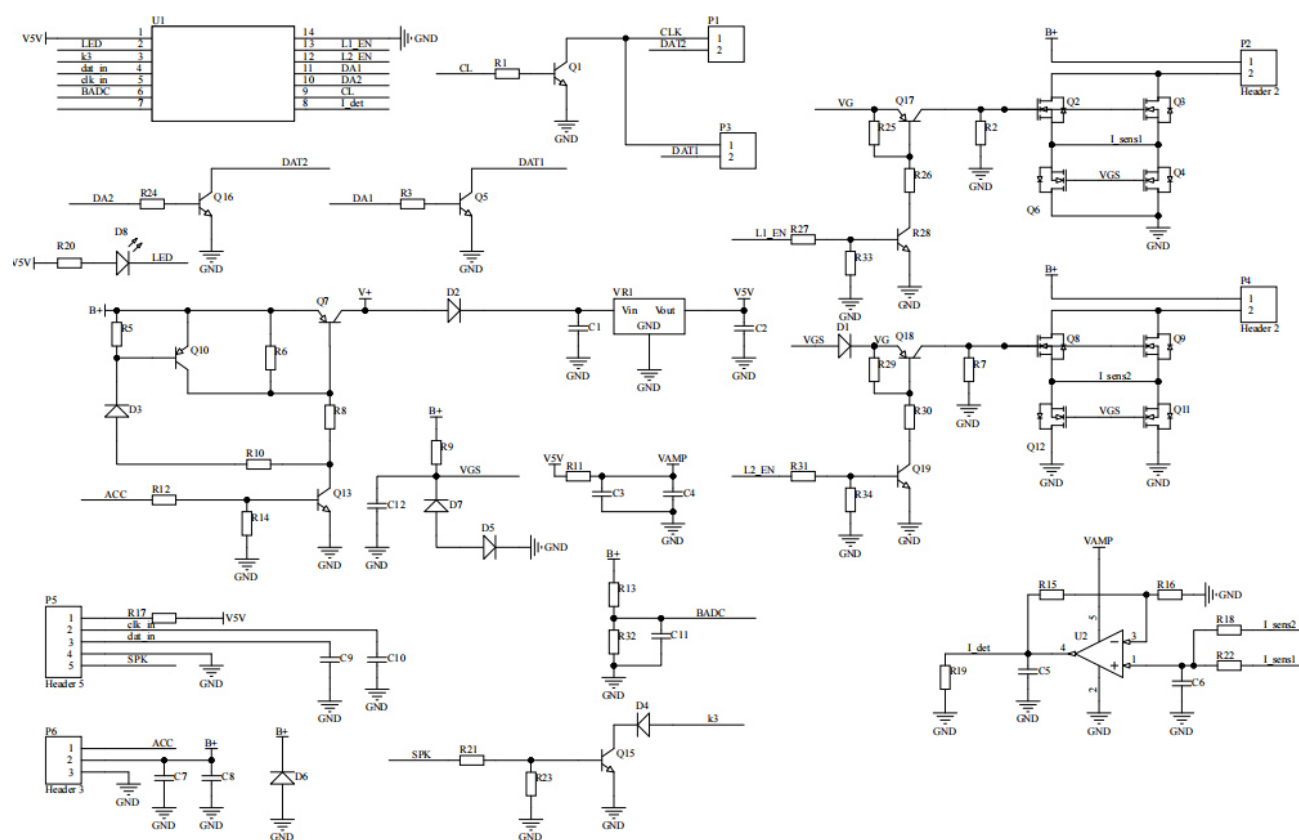
General assembly drawing



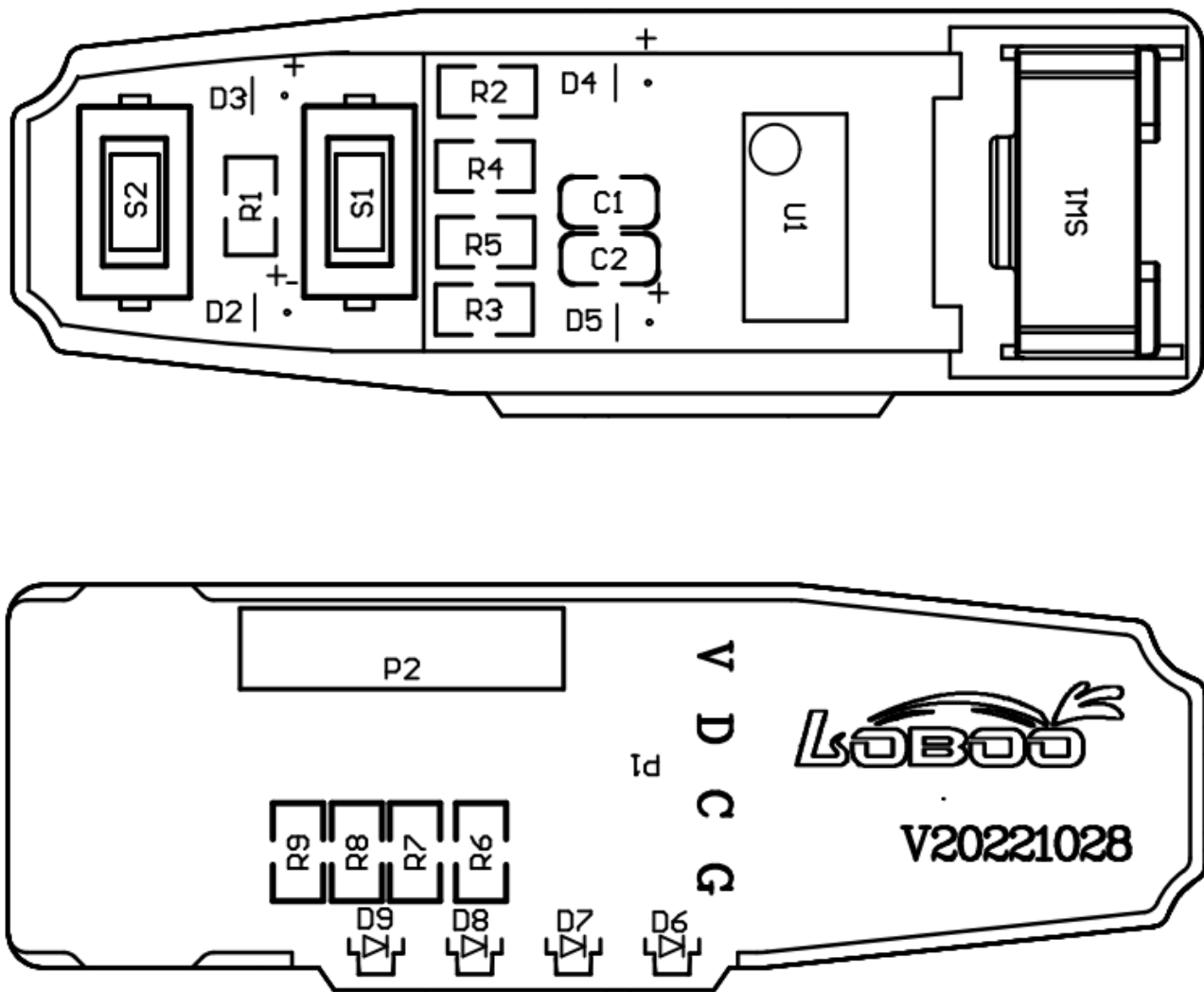
Key board Circuit diagram



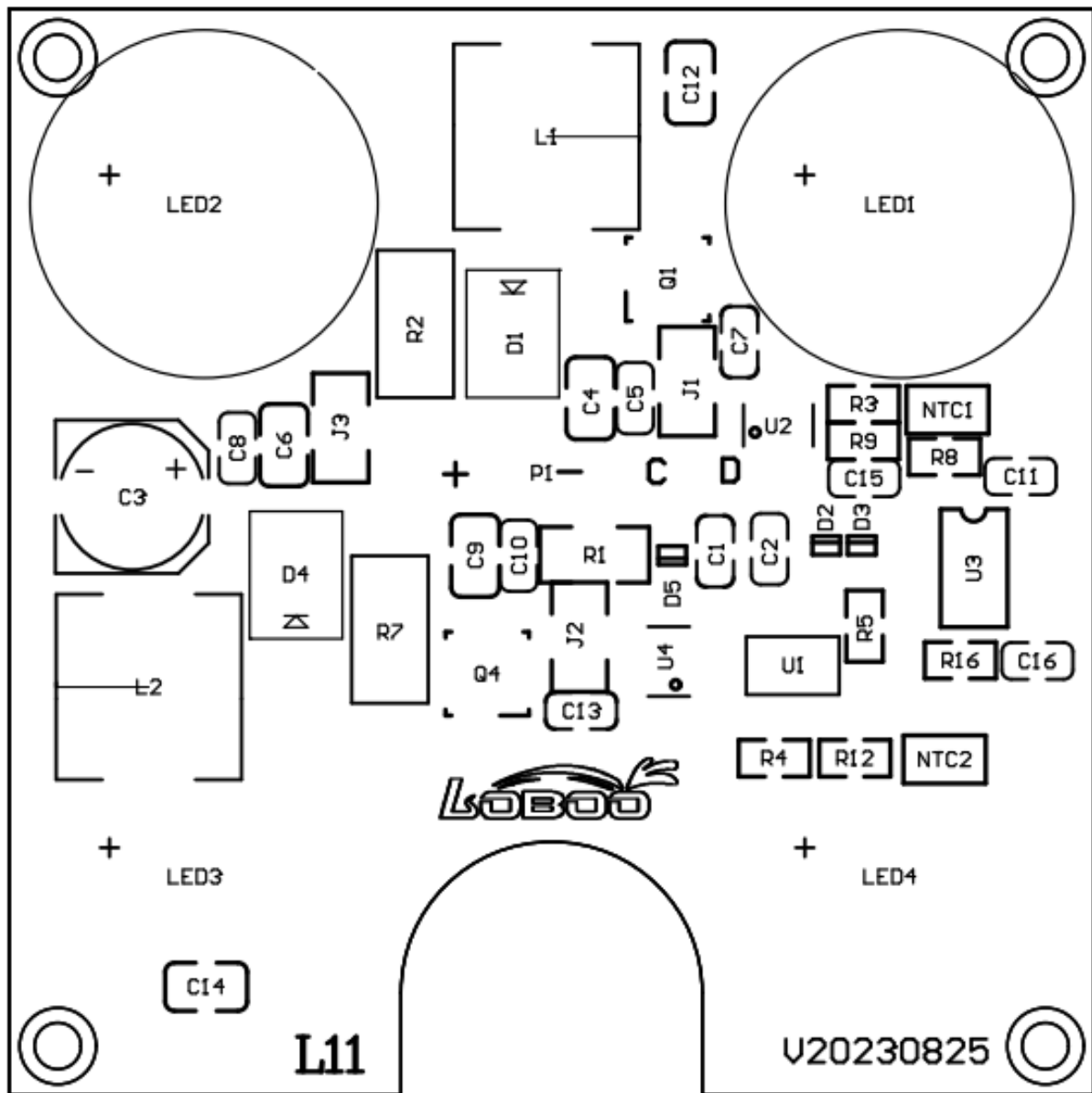
LED board Circuit diagram



Main board Circuit diagram

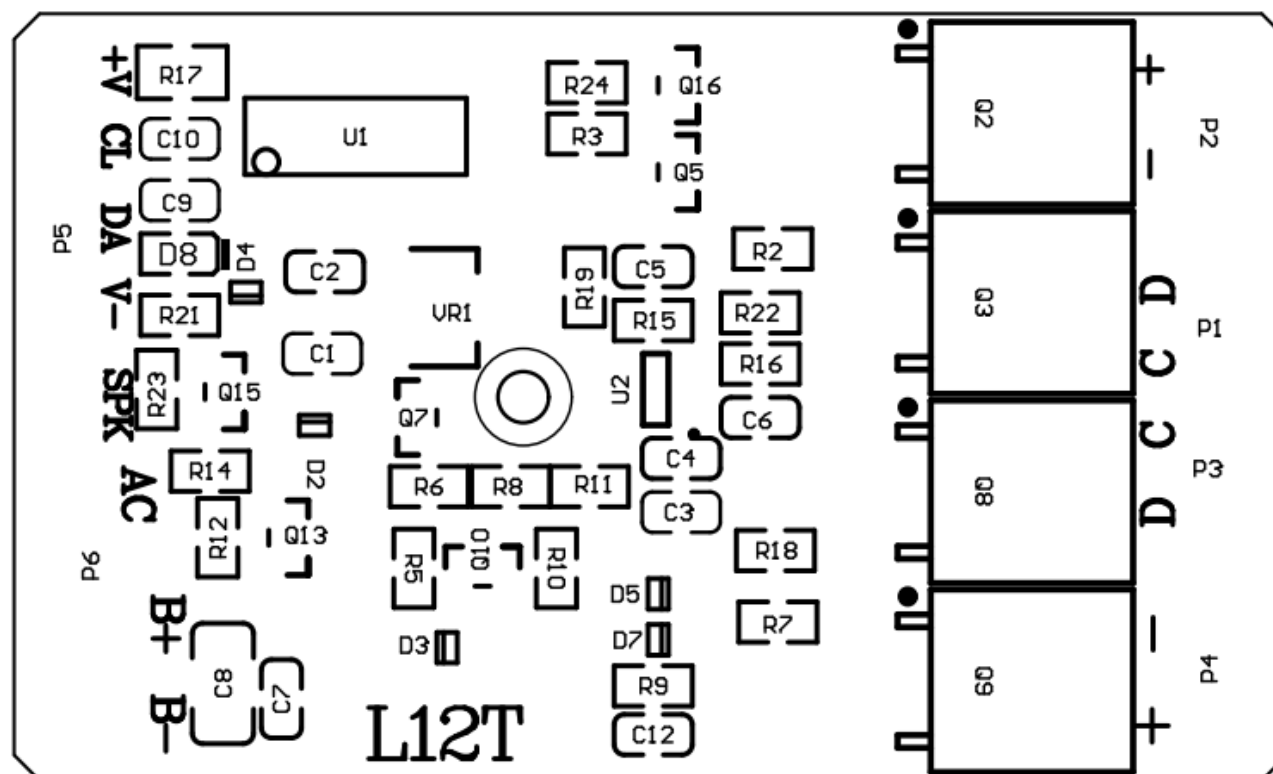


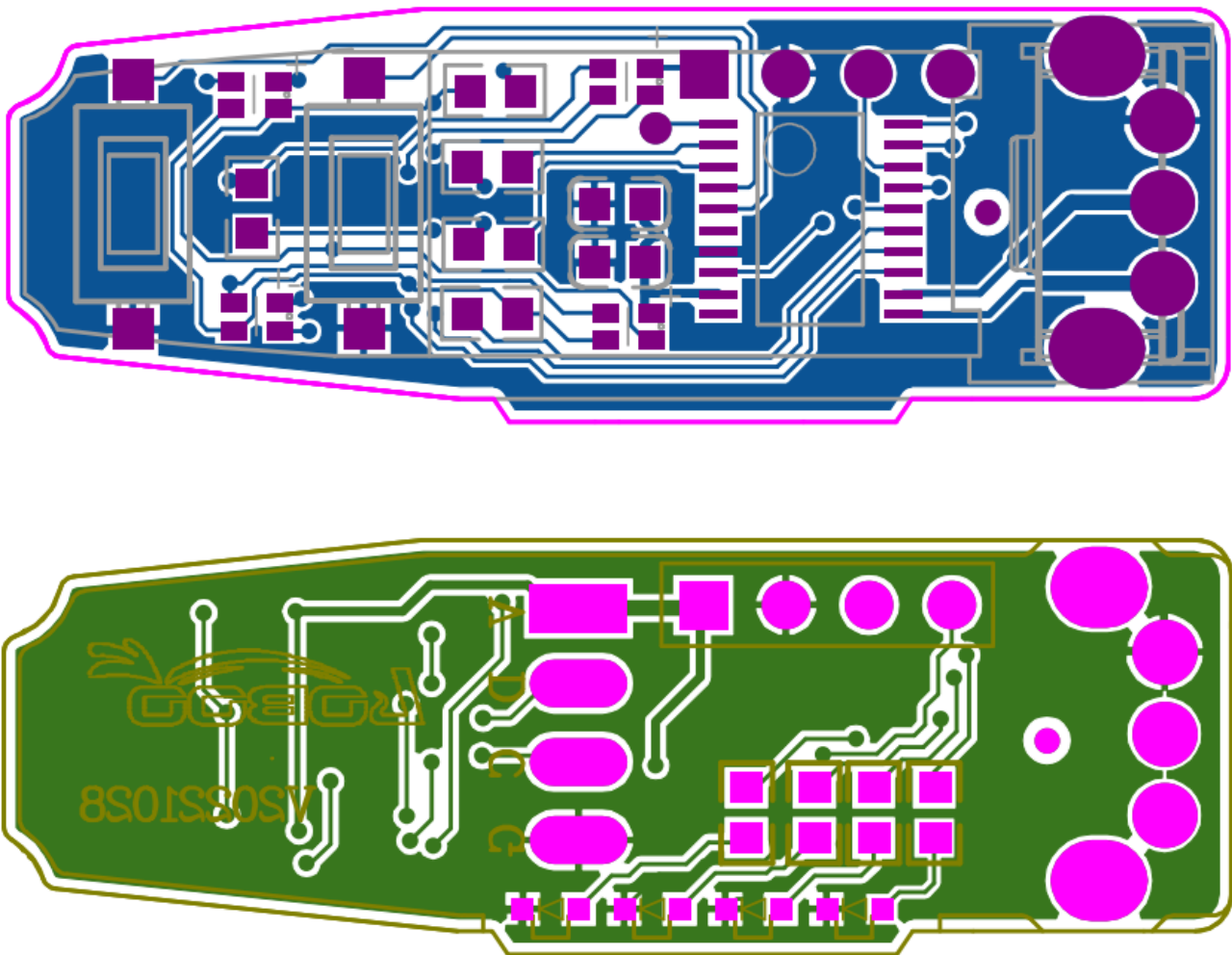
Key board Assembly Drawings



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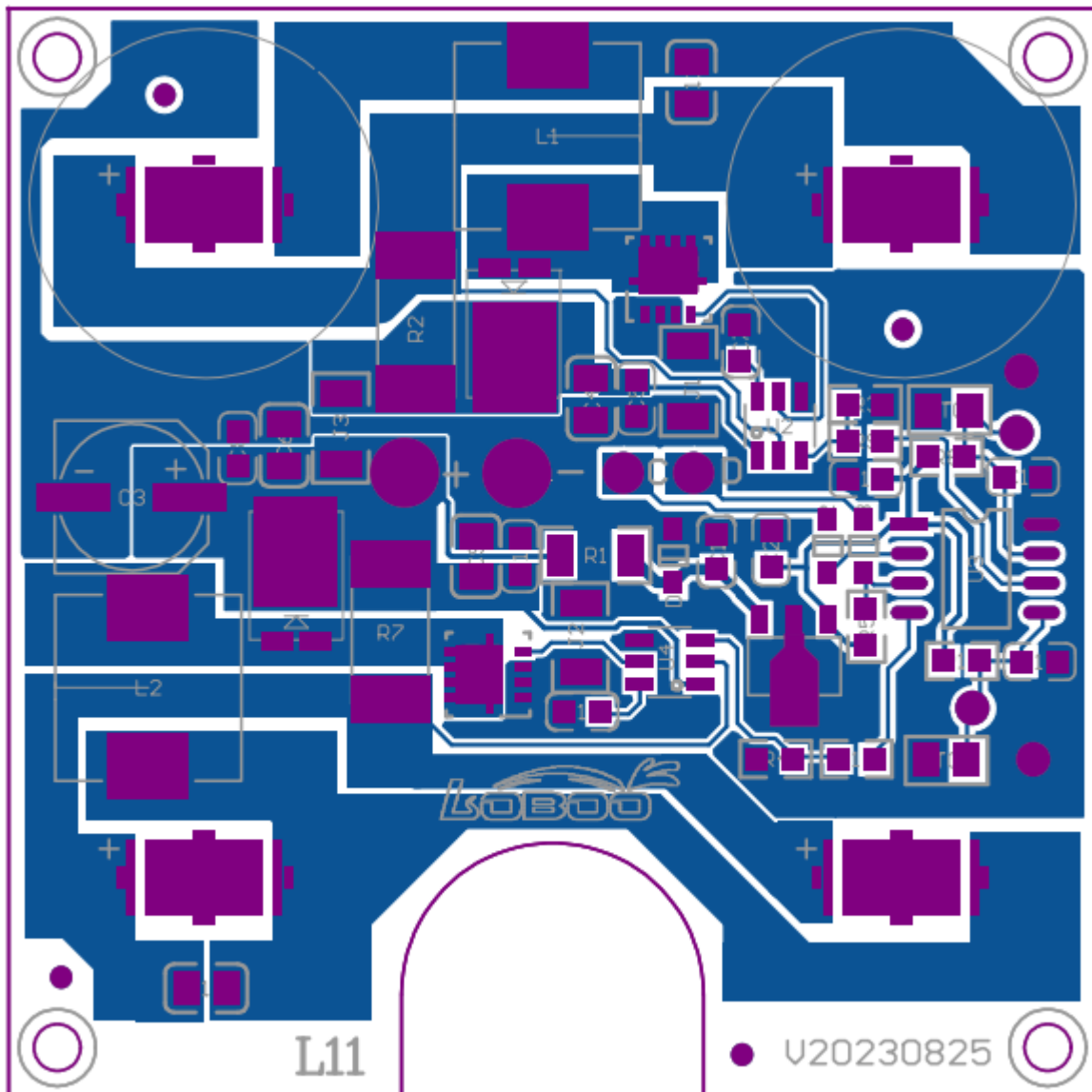
Key board PCB layout

Information folder No. :

L11-00

First application date :

June 04, 2024



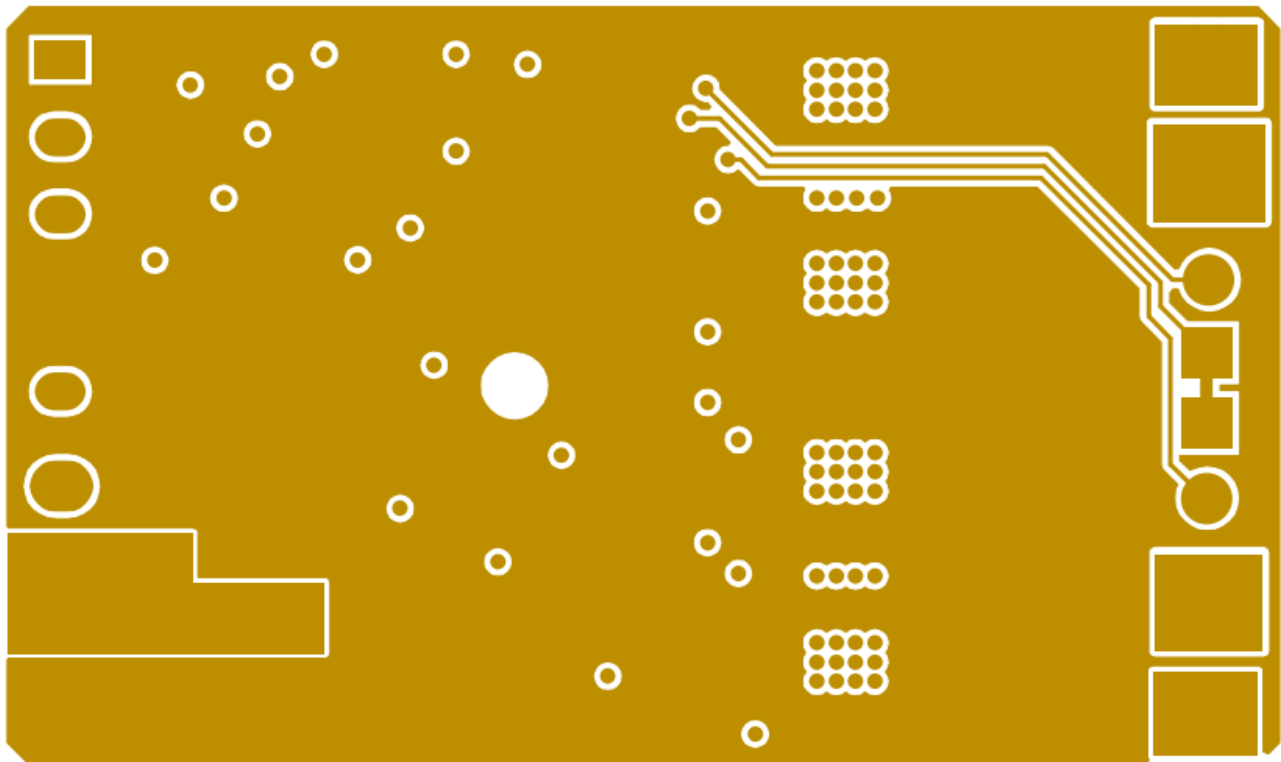
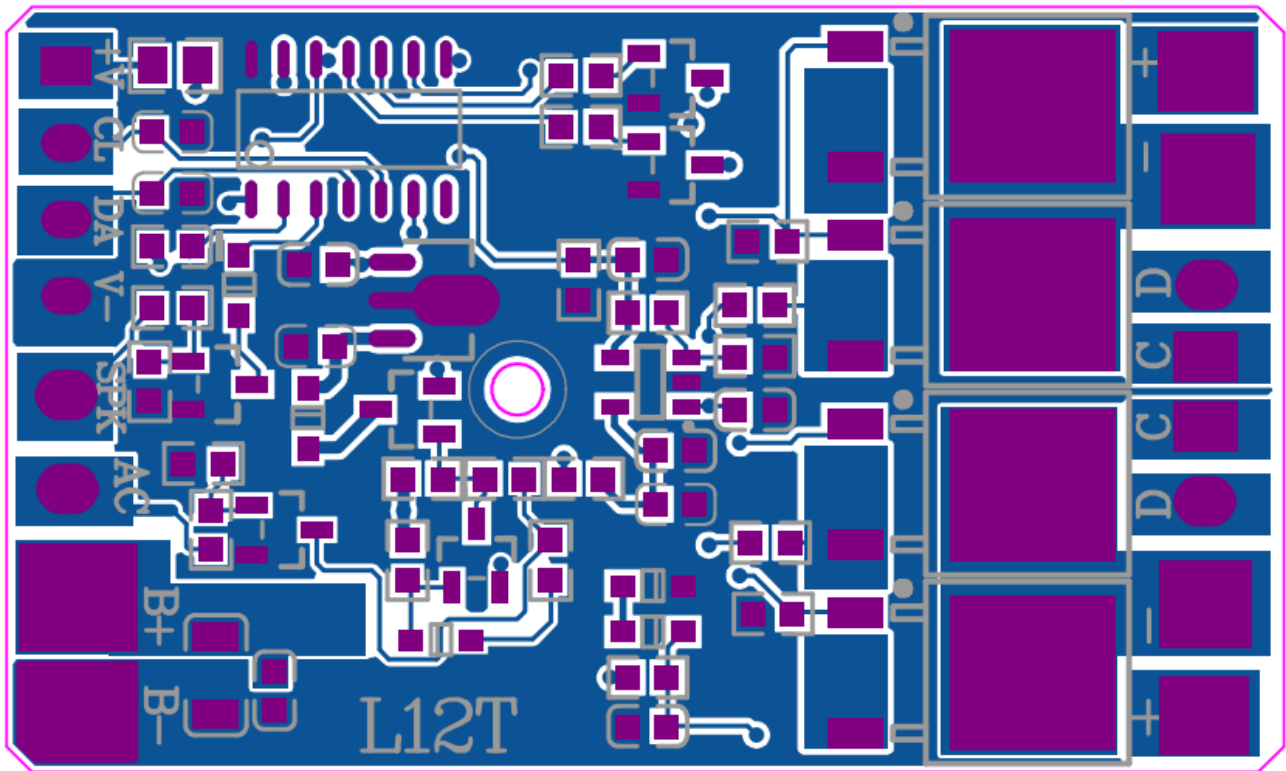
LED board PCB layout

Information folder No. :

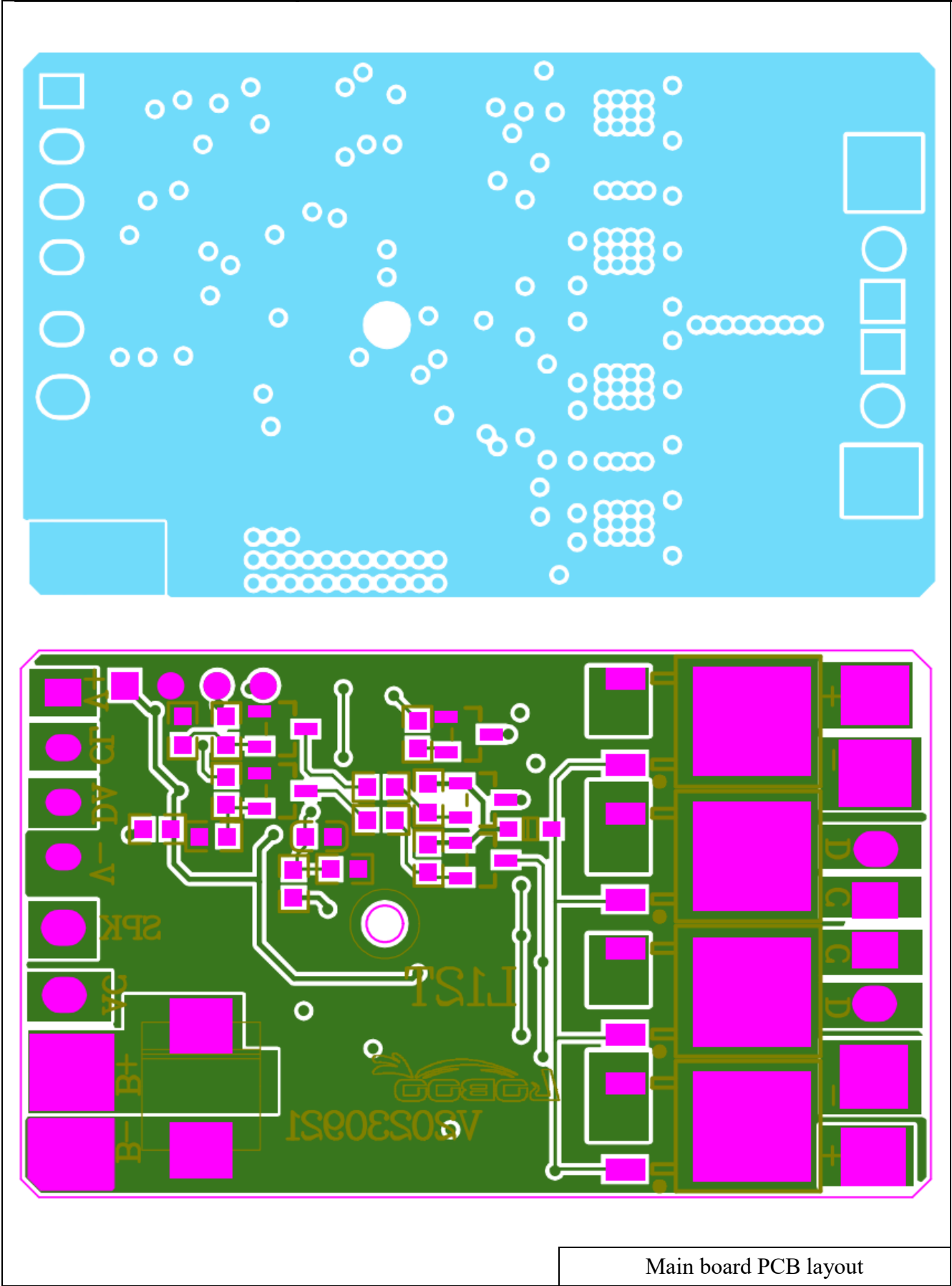
L11-00

First application date :

June 04, 2024



Main board PCB layout



Information folder No. :

L11-00

First application date :

June 04, 2024



DUT Photos