



GRAND-DUCHÉ DE LUXEMBOURG

Ministère du Développement durable
et des Infrastructures
Département des Transports

L-2938 Luxembourg

SOCIÉTÉ NATIONALE DE
CERTIFICATION ET D'HOMOLOGATION

s.à r.l.

Registre de Commerce: B 27180

L-5201 Sandweiler



Référence: e13*72/245*2009/19*12678*00

Annexes: - Rapport Technique
- Fiche de Renseignements du constructeur

Sandweiler, le 05 juillet 2012

Certificat de réception CE par type EC Type-Approval Certificate

Communication concernant: ⁽¹⁾
Communication concerning the:

- la réception par type
type-approval
- l'extension de la réception par type
extension of type-approval
- le refus de la réception par type
refusal of type-approval
- le retrait de la réception par type
withdrawal of type-approval

d'un type de composant / entité technique ⁽¹⁾ en vertu de la directive 72/245/CEE telle que modifiée en dernier lieu par la directive 2009/19/CE.

of a type of component / separate technical unit with regard to Directive 72/245/EEC, as last amended by Directive 2009/19/EC.

Numéro de réception par type: e13*72/245*2009/19*12678*00
Type-approval number:

Raison(s) de l'extension: Not applicable
Reason(s) for extension:

Marque de réception CE à apposer sur le SEEE: e13 03 12678
EC type-approval mark to be affixed on ESA:

Section I Section I

- 0.1. Marque (raison sociale du constructeur):** JULUEN ENTERPRISE CO., LTD.
Make (trade name of manufacturer):
- 0.2. Type:** MS26
Type:
- Description(s) commerciale(s) générale(s):** Warning Light
General commercial description(s):
- Version(s)/Variante(s):** MS24, MS4
Version(s)/Variant(s):

- 0.3. Moyens d'identification du type, s'il est indiqué sur le composant / entité technique:**^(1, 2)
Means of identification of type, if marked on the component / ~~separate technical unit:~~ See item 0.7.
- 0.3.1. Emplacement de ce marquage:**
Location of that marking: See item 0.7.
- 0.5. Nom et adresse du constructeur:**
Name and address of manufacturer: JULUEN ENTERPRISE CO., LTD.
8F.-1, No. 502, Da-An Rd., Shulin City,
Taipei County 238, Taiwan (R.O.C.)
- Nom et adresse du représentant autorisé éventuel:**
Name and address of authorized representative, if any: Not applicable
- 0.7. Dans le cas de composants et d'entités techniques, emplacement et méthode d'apposition de la marque de réception CE:**
In the case of components and separate technical units, location and method of affixing of the EC approval-mark: Printed label durable fixed on housing of ESA or engraved on housing of ESA
- 0.8. Adresse de l'atelier/ des ateliers de montage:**
Address(es) of assembly plant(s): Yung Li Traffic Equipment Co., Ltd.
No. 1-2, Lane 65, Sec. 2, Chia-Yuan Rd.,
Shu-Lin, Taipei Hsien, Taiwan, R.O.C.

¹ **Biffer les mentions inutiles**

Delete where not applicable

² **Si les moyens d'identification du type contiennent des caractères n'intéressant pas la description des types de composants ou d'entités techniques couverts par la présente fiche de réception, on peut les indiquer dans la documentation au moyen du symbole "?" (par exemple: ABC??123??).**

If the means of identification of type contains characters not relevant to describe the vehicle, component or separate technical unit types covered by this type-approval certificate, such characters shall be represented in the documentation by the symbol "?" (e.g. ABC??123??).

Section II
Section II

1. **Informations complémentaires (le cas échéant):** See appendix
Additional information (where applicable):
2. **Autorité déléguée:** *Société Nationale de Certification et d'Homologation*
Assigned authority: *L-5230 Sandweiler*
- Service technique responsable de la réalisation des essais:** Société Nationale de Certification et d'Homologation
Technical service responsible for carrying out the tests: 11, rue de Luxembourg
L-5230 Sandweiler
3. **Date du rapport d'essai:** 03.07.2012
Date of test report:
4. **Numéro du rapport d'essai:** 32206CL
Number of test report:
5. **Remarques (le cas échéant):** Not applicable
Remarks (if any):
6. **Lieu:** Sandweiler
Place:
7. **Date:** 05 juillet 2012
Date:
8. **Signature:**
Signature:

Pour le Département des Transports



Marco FELTES
Inspecteur Principal 1^{er} en rang

Pour la SNCH



Claude LIESCH
Directeur



9. **Le dossier de réception déposé auprès de l'administration qui a délivré la réception est disponible sur demande.**
The type-approval file deposited at the Administrative Service having delivered the type-approval, may be obtained on request.
- See index to type-approval report

Appendice

Appendix

au certificat de réception CE par type n° e13*72/245*2009/19*12678*00

to EC type-approval certificate n° e13*72/245*2009/19*12678*00

concernant la réception par type d'un sous-ensemble électrique/électronique, conformément à la directive 72/245/CEE, telle que modifiée en dernier lieu par la directive 2009/19/CE de la Commission.

concerning the type-approval of an electric/electronic sub-assembly with regard to Directive 72/245/EEC, as last amended by Directive 2009/19/EC.

- | | | |
|---------------|--|---|
| 1. | Informations complémentaires:
Additional information: | |
| 1.1. | Tension nominale du système électrique:
Electrical system rated voltage: | 12/24V DC |
| | <i>Masse:</i>
<i>Ground:</i> | <i>Negative</i> |
| 1.2. | Ce SEEE peut être utilisé sur n'importe quel type de véhicule avec les restrictions suivantes:
This ESA can be used on any vehicle type with the following restrictions: | Not applicable |
| 1.2.1. | Conditions d'installation, le cas échéant:
Installation conditions, if any: | Not applicable |
| 1.3. | Ce SEEE peut seulement être utilisé sur les types de véhicules suivants:
This ESA can only be used on the following vehicle types: | Not applicable |
| 1.3.1. | Conditions d'installation, le cas échéant:
Installation conditions, if any: | Not applicable |
| 1.4. | Méthode(s) spécifique(s) d'essai utilisée(s) et gammes de fréquences couvertes pour déterminer l'immunité (indiquer quelle méthode figurant à l'annexe IX a été utilisée):
The specific test method(s) used and the frequency ranges covered to determine immunity were:
(please specify precise method used from Annex IX) | Not applicable |
| 1.5. | Laboratoire accrédité à la norme ISO 17025 et reconnu par l'autorité de réception (aux fins de la présente directive) responsable de l'exécution des essais:
Laboratory accredited to ISO 17025 and recognized by the Approval Authority (for the purpose of this Directive) responsible for carrying out the test: | SGS-TÜV SAARLAND FORSTER GmbH
Saarbrücker Strasse 1
D-66706 Perl-Sinz |
| 5. | Observations:
Remarks: | This certificate only covers electromagnetic compatibility and no other requirements. |



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Registre de Commerce: B 27180



L-5201 Sandweiler

Référence: e13*72/245*2009/19*12678*00

Annexes: - Rapport Technique
- Fiche de Renseignements du constructeur

Sandweiler, le 05 juillet 2012

Index du dossier de réception

Index to type-approval report

Numéro de réception: Approval number:	e13*72/245*2009/19*12678*00
Révision: Revision:	00
Marque de fabrication ou de commerce: Trade name or mark:	JULUEN ENTERPRISE CO., LTD.
Type: Type:	MS26
1. Procès-verbal d'essai: Test report:	N° 32206CL
- Compilation:	Page 1;
- Information sheet:	Attachment 1 - Page 2 & 3;
- Test report:	Attachment 2 - Page 4 to 15.
2. Dossier du constructeur: Report of the manufacturer:	Attachment 3
- Content:	Refer to compilation in technical report
3. Autres documents annexés: Other documents annexed:	Not applicable
4. Date de délivrance de la réception initiale: Date of issue of initial type approval:	05.07.2012
5. Date de la dernière délivrance de pages révisées: Date of last issue of revised pages:	Not applicable
6. Date de la dernière délivrance d'une fiche de réception révisée: Date of last extension:	Not applicable

Kompilation Nr.: 32206CL

Kompilation

page 1

Composition of the attachments

Attachment 1

Information sheet

page 2 to 3

Attachment 2

Test Report No.: 32206CL

page 4 to 15

Attachment 3

Report of the manufacturer

page 16 to 21

-Information Documents,
-Photo of ESA,

page 16 to 20;
page 21



Attachment 1

Technical information about the ESA type according to annex III B of the Communication concerning EEC-type approval

SECTION I

- | | | |
|---------------|---|--|
| 0.1. | Make (trade name of manufacturer): | JULUEN ENTERPRISE CO., LTD. |
| 0.2. | Type/
Brand name
General commercial description(s): | MS26
n. a.
Warning Light |
| | <i>Version(s)/Variant(s):
Brand name</i> | <i>MS24, MS4</i> |
| 0.3. | Means of identification of type, if marked on the vehicle / component / separate technical unit : | see item 0.7 |
| 0.3.1. | Location of that marking: | see item 0.7 |
| 0.5. | Name and address of manufacturer: | JULUEN ENTERPRISE CO., LTD.
8F.- 1, NO. 502, DA-AN RD., SHULIN CITY,
TAIPEI COUNTY 238, TAIWAN (R.O.C.) |
| | Name and address of authorized representative, if any: | n.a. |
| 0.7. | In the case of components and separate technical units, location and method of affixing of the EC approval-mark: | printed label, fixed durable on housing of ESA or engraved on housing of ESA |
| 0.8. | Address(es) of assembly plant(s) | Yung Li Traffic Equipment Co., Ltd.
No. 1-2, Lane 65, Sec. 2, Chia-Yuan Rd.,
Shu-Lin, Taipei Hsien, Taiwan, R.O.C. |

SECTION II

- | | | |
|-----------|--|--------------|
| 1. | Additional information (where applicable): | see appendix |
| 2. | Date of test report: | 03.07.2012 |
| 3. | Remarks (if any): | n.a. |

APPENDIX

- | | | |
|---------------|--|---|
| 1. | Additional information: | see appendix |
| 1.1. | Electrical system rated voltage [V]: | 12/ 24 VDC |
| | <i>Ground:</i> | <i>negative</i> |
| 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. | This ESA can only be used 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 IX) | n.a.,no immunity-related functions
acc. annex I, pt.8.3. |
| 1.5. | Laboratory accredited to ISO 17025 and recognized by the Approval Authority (for the purpose of this Directive) responsible for carrying out the test: | SGS-TÜV Saarland Forster GmbH
Saarbrücker Strasse 1
66706 Perl-Sinz |
| 5. | Remarks: | n. a. |

INDEX DU DOSSIER DE RECEPTION

- | | | |
|-----------|-----------------------------|--|
| 1. | Test report: | Compilation 32206CL, page 1
Attachment 1, Information sheet, page 2 to 3
Attachment 2, 32206CL, page 4 to 15 |
| 2. | Report of the manufacturer: | Attachment 3, pages 16 to 21
Discription, page 16 to 20
Photo E.S.A., page 21 |
| 3. | Other documents annexed: | n.a. |

Attachment 2

Test report #.: 32206CL

**EMC Tests on electronic parts in vehicles according
council directive 2004/104EC from 14.10.2004, amended at
directive 2009/19/EC, 2006/96/EC, 2006/28/EC and adapting of
directive 72/245/EEC**

0. General declaration:

0.1. Model name: Warning Light

0.2. Type/ Brand name: MS26

Version's/ Brand name(s): MS24, MS4

0.3. Type identification, place of type plate:

Type plate with print or engraved to identify;

Type plate is permanent fixed or engraved on housing of product.

0.4. Name and adress of manufacturer: JULUEN ENTERPRISE CO., LTD.
8F.-1, NO. 502, DA-AN RD., SHULIN CITY,
TAIPEI COUNTY 238, TAIWAN (R.O.C.)

0.5. Number of description map: 001
date and change: 03.07.2012

1. Details to equipment under test:

1.1. Representative EUT: tested model MS26

1.2. Description of EUT: Warning Light

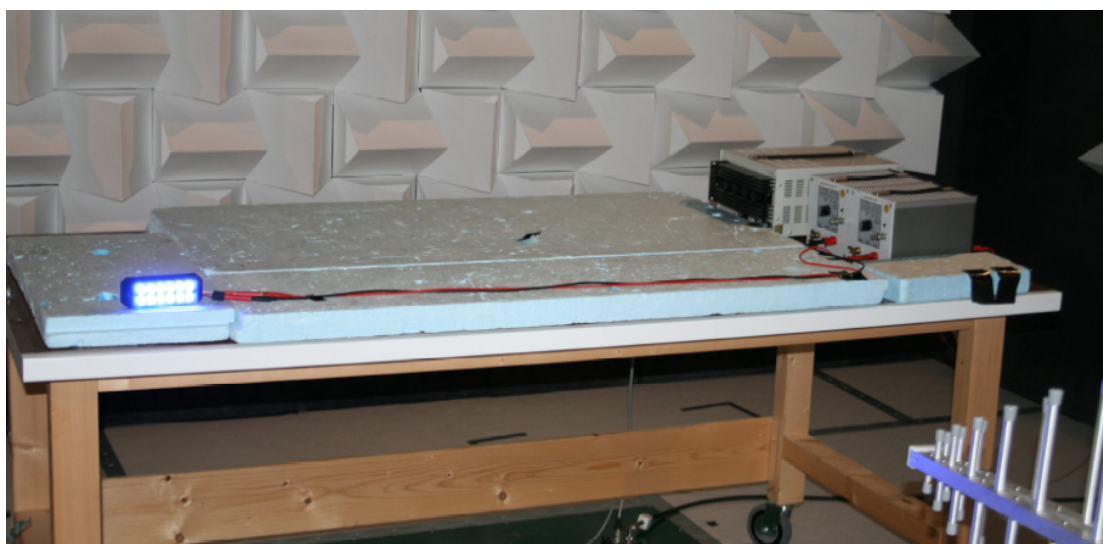
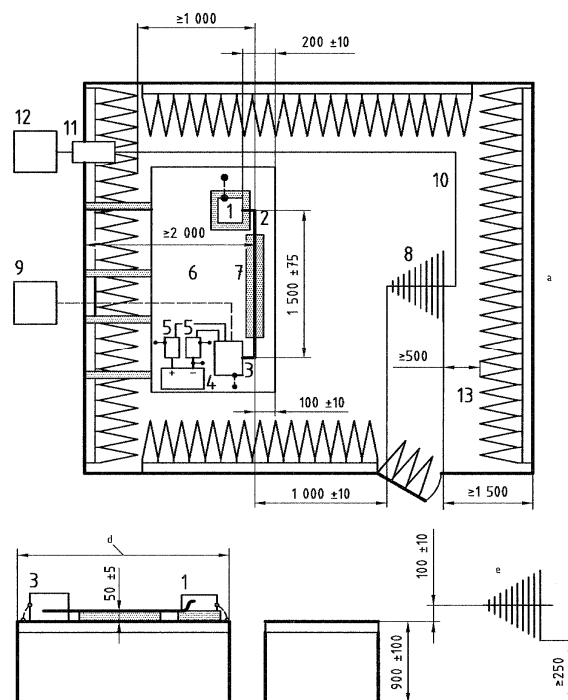
2. Test protocol:

2.1. Measurements radiated broadband electromagnetic emissions (Annex VII)

2.1.1. Details to test:

Power supply of E. U. T. with car battery and were Measured and observed with digital voltmeter METEX, type M2750. Power supply voltage comes over L.I.S.N. ($5\mu\text{H}/50\Omega$) and were connected with original cable from E.U.T.. Ground plane were connected to earth ground system. E. U. T. was isolated with 50mm isolation from ground Plane. Ground plane is a copper plate with dimension of 2x1m (L x W). Operation mode was with original cables during tests, works in light- mode and worst case parameter in horizontal and vertical polarisation.

Dimensions in millimetres



2.1.2. Test results: passed, broadband emissions

2.2 Measurements radiated narrowband electromagnetic emissions (Annex VIII)

2.2.1 Details to tests: see pt.2.1.1

2.2.2 Test results: passed, narrowband emissions

SGS-TÜV Saarland Forster GmbH

28.06.2012

Test Report

EUT Information

EUT Name:	Warning Light
Type:	MS26
Manufacturer:	Juluen Enterprise Co., LTD
S/N:	---
HW.-Rev.	---
SW.-Rev.	---
Operating cond.:	Light Mode
Operator:	Stefan Turnsek, B. Eng.
Test spec.:	Veh. Dir.
Test Side:	SAI
Supply:	DC
Polarisation:	Vertical/Horizontal
Project No.:	32206_28062012_MS26
Comment:	---

EMI Auto Test Template: Automotive Components

Hardware Setup:	Automotive Components
Measurement Type:	Open-Area-Test-Site
Frequency Range:	30 MHz - 1 GHz
Graphics Level Range:	0 dBµV/m - 80 dBµV/m
Preview Measurements:	
Scan Test Template:	Automotive Field Strength Prescan
Data Reduction:	
Limit Line #1:	Automotive Components BB QP
Limit Line #2:	Automotive Components NB AV
Peak Search:	6 dB , Maximum Results: 30
Subrange Maxima:	30 Subranges , Maxima per Subrange: 1
Acceptance Offset:	-20 dB
Maximum Number of Results:	30
After Data Reduction:	Interactive data reduction

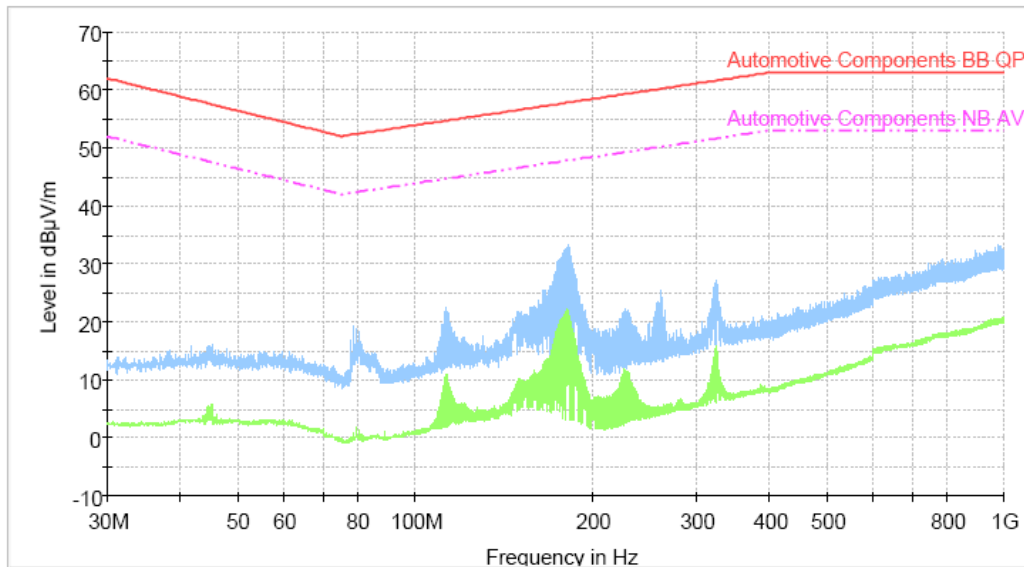
Final Measurements:	
Template for Single Meas.:	Automotive Field Strength Final

Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 1 GHz	40 kHz	QPK; AVG	120 kHz	1 s	20 dB

Receiver:	[ESU 26]
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Report Settings:	
Report Template:	AutomotiveTest Report

Automotive Components



- Automotive Components BB QP
 - - - Automotive Components NB AV
- Preview Result 1-PK+
 — Preview Result 2-AVG

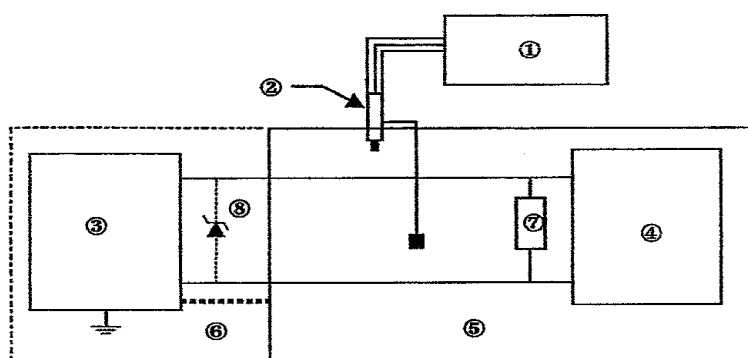
2.3. Tests to immunity against radiated electromagnetic fields (annex IX)

2.3.1. Test methods: n. a., no immunity-related functions acc. annex I, pt.8.3.

2.4. Tests to immunity against transients disturbances

2.4.1. Test methods: tests were performed acc. ISO 7637-2 2nd edition 2004 as described in Annex X with required test levels given in table 1 of Annex I.

2.4.1.1. Details to test: E.S.A were connected to car battery and observed with CCD camera during operations and tests.



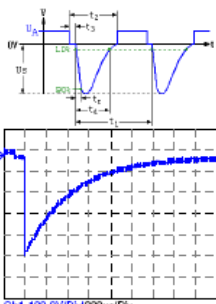
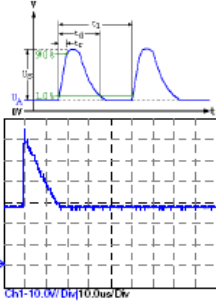
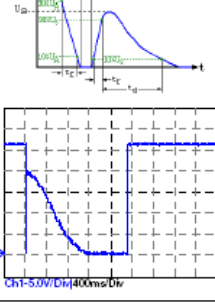
- 1 DSO, Tektronix, TDS 3052
- 2 Probe TDS
- 3 Car Tester, Spitzenberger & Spieß, PAS
- 4 E.S.A.
- 5 Ground Plane
- 6 Ground connection



Company: SGS-TÜV Saarland Forster GmbH
Operator: S. E. Weber

Manufacturer: JULUEN ENTERPRISE CO., LTD.
Modelno.: MS26
Operating mode: light mode
Date of test: 28.06.2012

Nominal voltage: 24.00 Volt
Test voltage: 27.00 Volt
Shunt resistor Rs: no shunt
Executed test:
Test description:

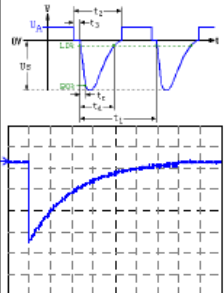
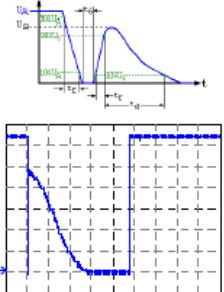
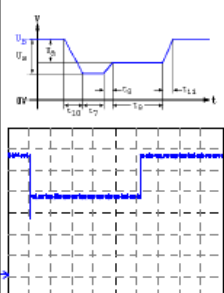
Pulse	Us/Vs	Ri	Test parameters	Pulses / Time	Delay	Figure
ISO 7637-2 Pulse 1	-450.0 V	50.00 Ohm	tr = 3.0us, td = 1.0ms, t1 = 1.0s, t2 = 200.0ms	5000 P.	0.0 s	
ISO 7637-2 Pulse 2A	37.0 V	2.00 Ohm	td = 50.0us, t1 = 500.0ms	5000 P.	0.0 s	
ISO 7637-2 Pulse 2B	20.0 V	0.00 Ohm	td = 1.0s	10 P.	30.0 s	

Pulse	Us/Vs	Ri	Test parameters	Pulses / Time	Delay	Figure
ISO 7637-2 Pulse 3A	-150.0 V	50.00 Ohm	t1 = 100.0us, t4 = 10.0ms, t5 = 90.0ms	1.0 h	0.0 s	
ISO 7637-2 Pulse 3B	150.0 V	50.00 Ohm	t1 = 100.0us, t4 = 10.0ms, t5 = 90.0ms	1.0 h	0.0 s	
ISO 7637-2 Pulse 4	-12.0 V	0.00 Ohm	Ua = -8.0V, t7 = 75.0ms, t8 = 30.0ms, t9 = 10.0s, t10 = 10.0ms, t11 = 75.0ms	1 P.	60.0 s	

Company: SGS-TÜV Saarland Forster GmbH
Operator: S. E. Weber

Manufacturer: JULUEN ENTERPRISE CO., LTD.
Modelno.: MS26
Operating mode: light mode
Date of test: 28.06.2012

Nominal voltage: 12.00 Volt
Test voltage: 13.50 Volt
Shunt resistor Rs: no shunt
Executed test:
Test description:

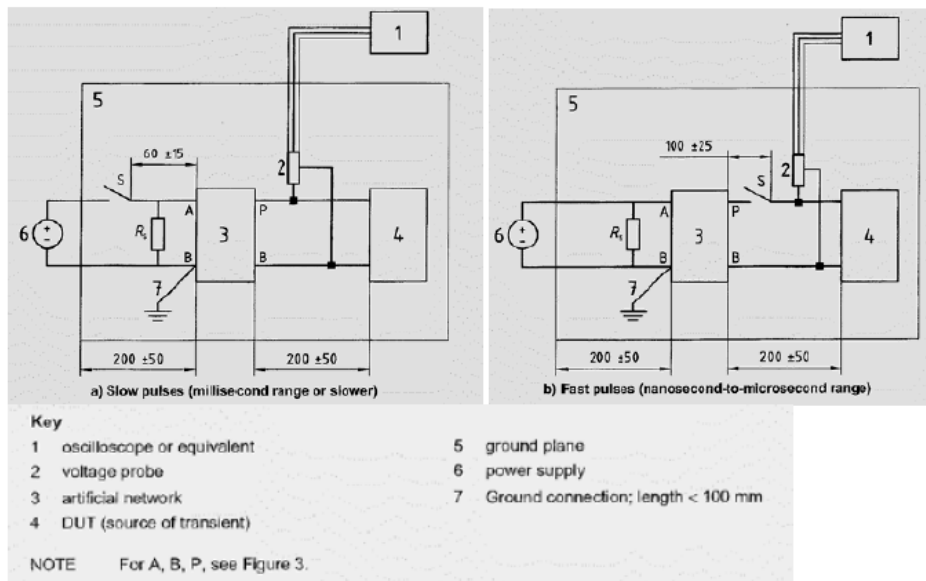
Pulse	Us/Vs	Ri	Test parameters	Pulses / Time	Delay	Figure
ISO 7637-2 Pulse 1	-75.0 V	10.00 Ohm	tr = 1.0us, td = 2.0ms, t1 = 1.0s, t2 = 200.0ms	5000 P.	0.0 s	
ISO 7637-2 Pulse 2B	10.0 V	0.00 Ohm	td = 1.0s	10 P.	60.0 s	
ISO 7637-2 Pulse 4	-6.0 V	0.00 Ohm	Ua = -4.0V, t7 = 30.0ms, t8 = 30.0ms, t9 = 10.0s, t10 = 5.0ms, t11 = 50.0ms	1 P.	60.0 s	

2.4.1.2 Tests result: no degradation of any performance were registered during tests.

2.5. Tests to emissions of conducted disturbances

2.5.1. Test methods: tests were performed acc. ISO 7637-2 2nd edition 2004 as described in Annex X with required test levels given in table 2 of Annex I.

2.5.1.1. Details to test: E.S.A were connected to car battery and observed with CCD camera during operations and tests.



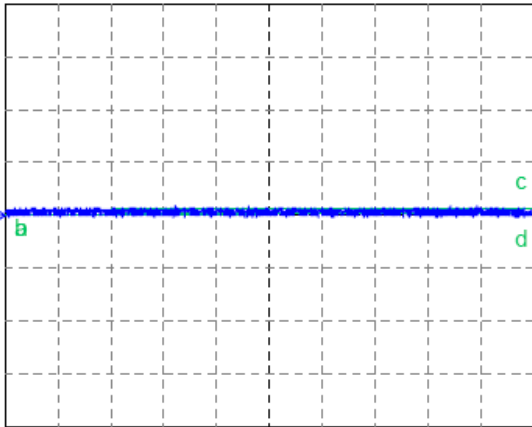
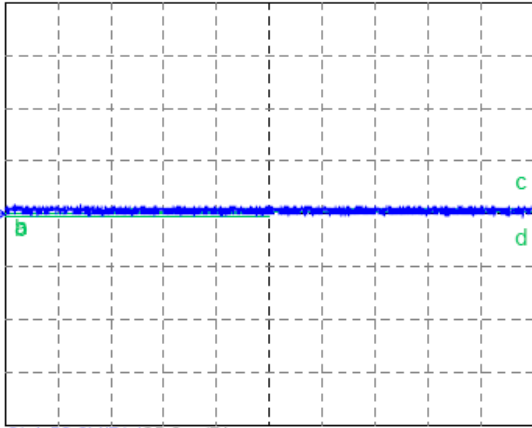
2.5.1.2 Tests result: passed conducted disturbances

Company: SGS-TÜV Saarland Forster GmbH
Operator: S. E. Weber

Manufacturer: JULUEN ENTERPRISE CO., LTD.
Modelno.: MS26
Operating mode: light mode
Date of test: 28.06.2012

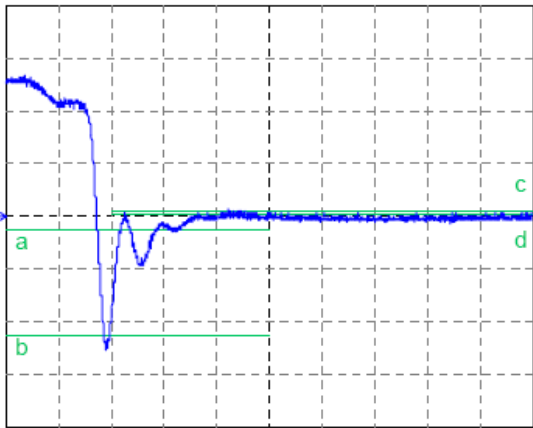

Nominal voltage: 24.00 Volt
Test voltage: 27.00 Volt
Shunt resistor Rs: no shunt
Executed test: Voltage transient emission test
Test description: 10 transients, 3 sec switch off, 10 sec delay time between repetitions
Limits: 24V System, +150V/-450V

Fast transients:

Transient	Amplitudes	Transient times	Figure
1 of 10 Max. pos. amplitude	Us1 = -4.3V Us2 = 5.4V	tr = 0.0us, td = 0.00us, tf = 0.00us, tr = 54.6us, td = 0.00us, tf = 0.00us, a = -0.19V, b = -1.75V, c = 7.03V, d = 0.78V	
2 of 10 Max. neg. amplitude	Us1 = -6.7V Us2 = 3.0V	tr = 233.0us, td = 0.00us, tf = 0.00us, tr = 0.60us, td = 1.80us, tf = 1.10us, a = -0.39V, b = -3.51V, c = 5.27V, d = 0.58V	

Comment: ---

Slow transients:

Transient	Amplitudes	Transient times	Figure
10 of 10 Max. pos. amplitude	Us1 = -50.8V Us2 = -24.2V	tr = 0.7us, td = 2.24us, tf = 1.10us, tr = 9.80us, td = 0.00us, tf = 0.00us, a = -2.54V, b = -22.85V, c = 1.05V, d = 0.12V	
2 of 10 Max. neg. amplitude	Us1 = -52.1V Us2 = -24.8V	tr = 0.7us, td = 2.24us, tf = 1.14us, tr = 3.96us, td = 0.00us, tf = 0.00us, a = -2.62V, b = -23.55V, c = 1.05V, d = 0.12V	

Comment: ---

Positive voltage transients: U_{max}=+5,4V
 Negative voltage transients: U_{max}= -52,1V

- 2.6 Date of tests:** 28.06.2012
- 2.7 Place of tests:** SGS-TÜV Saarland Forster GmbH
Saarbrücker Str. 1
66706 Perl- Sinz
- 2.8 Remarks:** all versions as stated in the test report are covered with test object(s) respectively. No further tests were necessary. Tested model was MS26.

3. Annex

- 3.1.** not applicable
3.2. not applicable


4. Final statement

The description map and in that described type comply with above standards. Test lab is recognized from recognition body of Federal Office for Vehicles, Germany under the registration number: KBA-P 00029-98.

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This report covers complete sheet 4-15.

Perl 03.07.2012
(Place) (date)

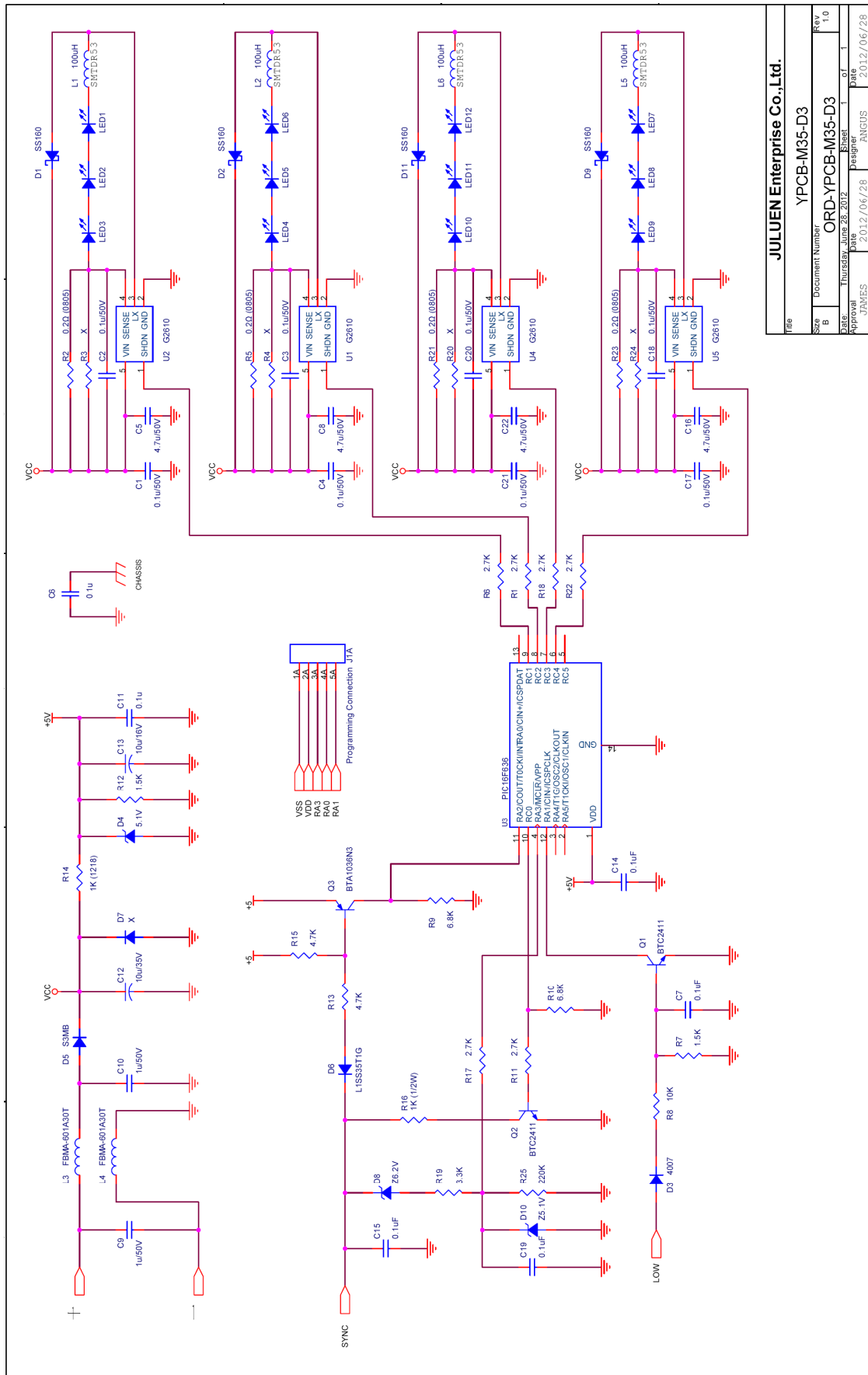


Karl-Heinz Forster
(name test engineer) (signature)

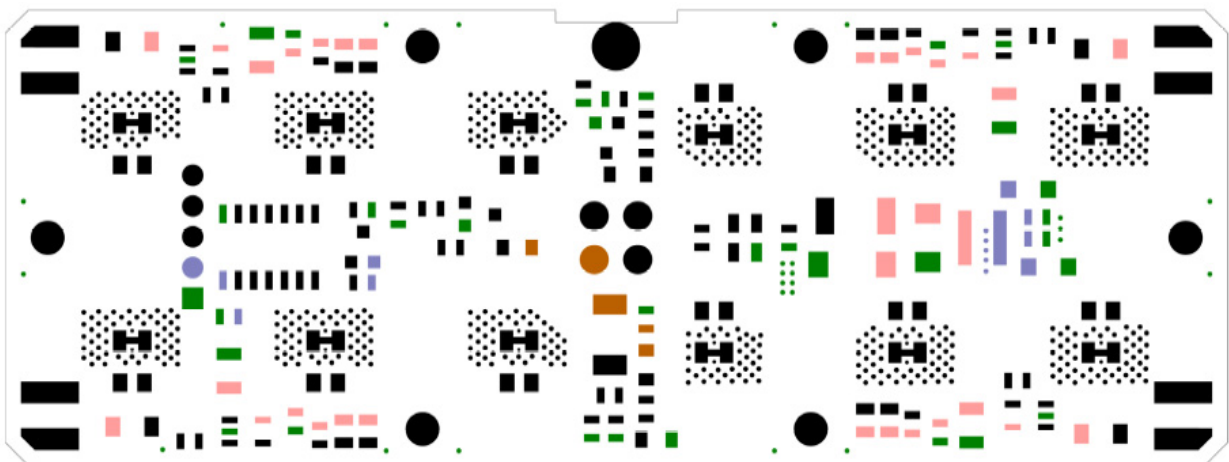
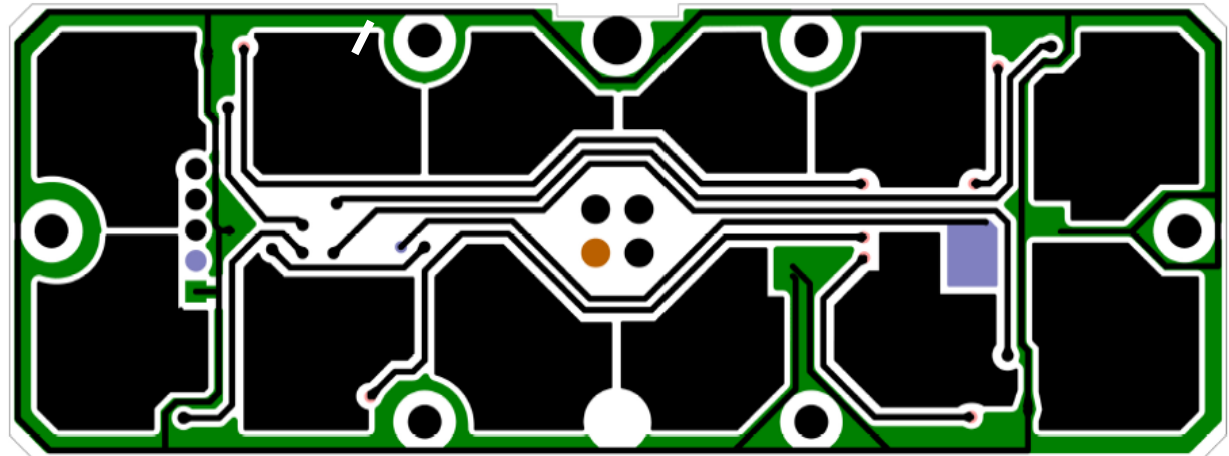
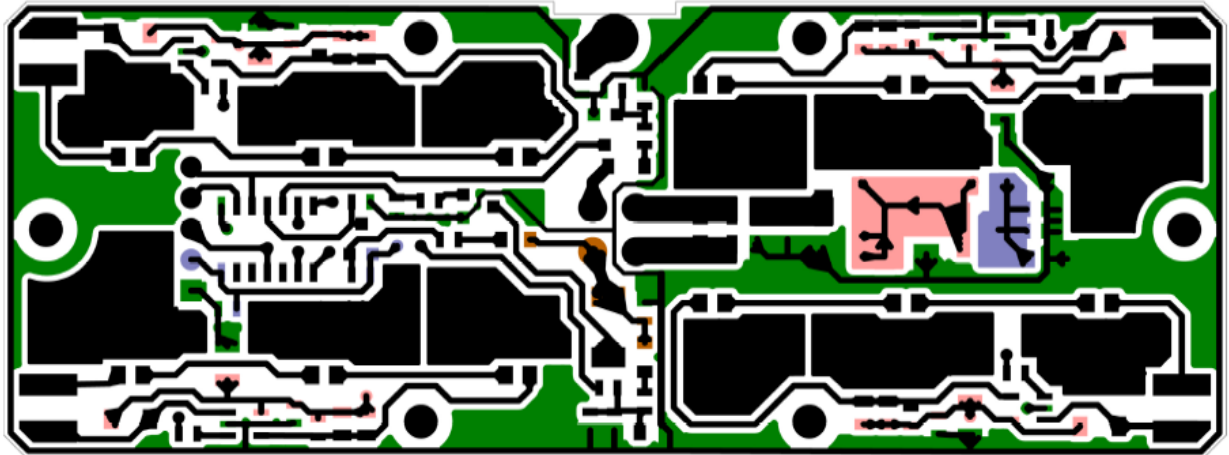


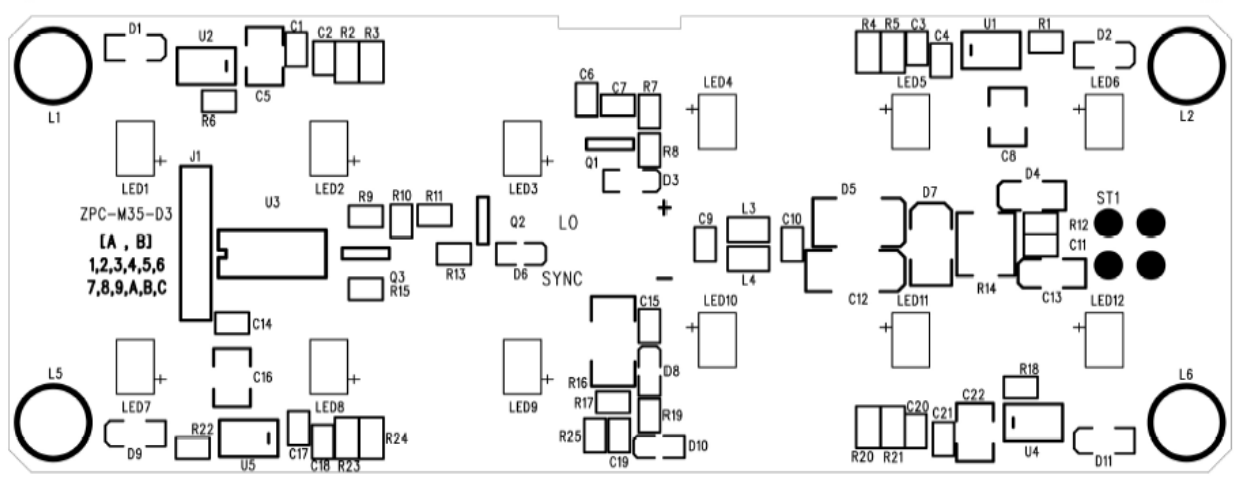
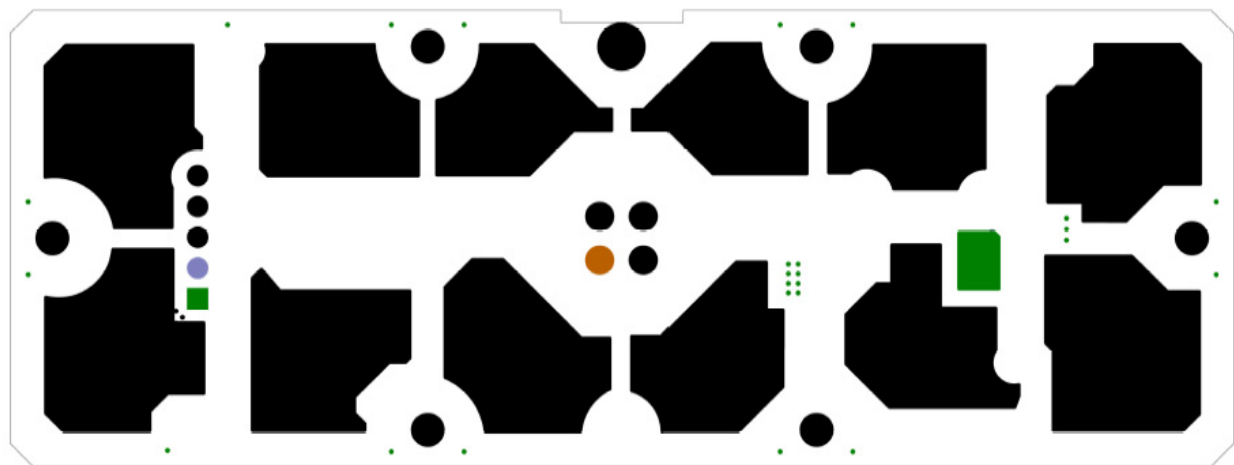
(stamp of test lab)


Attachment 3



JULUEN Enterprise Co., Ltd.			
File	Document Number	Rev	1.0
Size	YPCB-M35-D3	Rev	1.0
B	ORD-YPCB-M35-D3	Rev	1.0
Size	Thursdays, June 28, 2012	Rev	1.0
Approval	Date	Designer	ANGUS
JAMES	2012/06/28		

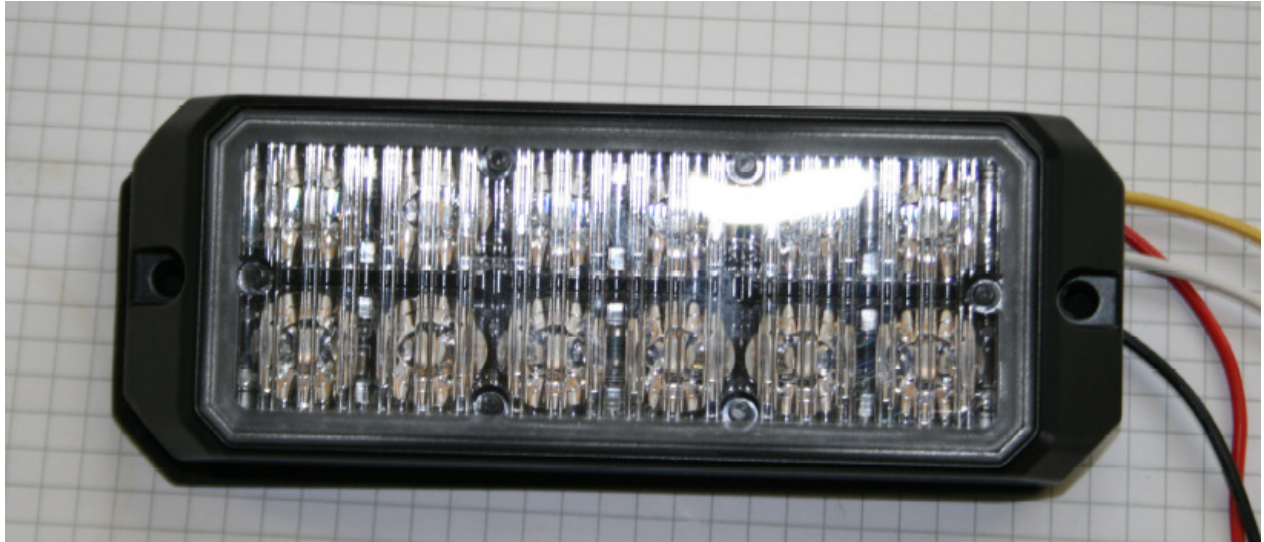




 巨輪興業有限公司 JULUEN ENTERPRISE CO.,LTD.		Title		YPCB-M35-D3	
		Document No.		BOM-YPCB-M35-D3	
		Rev.	1.0	Page	1/2
ITEM	PART NUMBER	DESCRIPTION	PACKAG		
PCB	ZPC-M35-D3	X	FR-4 / 1mm		
R1	ZR272-0603	2.7K	0603		
R2	ZR0R20-0805	0R20 1%	0805		
R3	X	X	X		
R4	X	X	X		
R5	ZR0R20-0805	0R20 1%	0805		
R6	ZR272-0603	2.7K	0603		
R7	ZR152-0603	1.5K	0603		
R8	ZR103-0603	10K	0603		
R9	ZR682-0603	6.8K	0603		
R10	ZR682-0603	6.8K	0603		
R11	ZR272-0603	2.7K	0603		
R12	ZR152-0603	1.5K	0603		
R13	ZR472-0603	4.7K	0603		
R14	ZR102-1218	1K	1218		
R15	ZR472-0603	4.7K	0603		
R16	ZR1001-MELF0207	1K	1/2W		
R17	ZR272-0603	2.7K	0603		
R18	ZR272-0603	2.7K	0603		
R19	ZR332-0603	3.3K	0603		
R20	X	X	X		
R21	ZR0R20-0805	0R20 1%	0805		
R22	ZR272-0603	2.7K	0603		
R23	ZR0R20-0805	0R20 1%	0805		
R24	X	X	X		
R25	ZR224-0603	220K	0603		
C1	ZC104M-0603	0.1u/50V	0603		
C2	ZC104M-0603	0.1u/50V	0603		
C3	ZC104M-0603	0.1u/50V	0603		
C4	ZC104M-0603	0.1u/50V	0603		
C5	ZC475Z-50V-1206	4.7u/50V	1206		
C6	ZC104M-0603	0.1u/50V	0603		
C7	ZC104M-0603	0.1u/50V	0603		
C8	ZC475Z-50V-1206	4.7u/50V	1206		
C9	ZC105M-0603	1u/50V	0603		
C10	ZC105M-0603	1u/50V	0603		
C11	ZC104M-0603	0.1u/50V	0603		
C12	ZC106V35-DC	10uF/35V	C-size		
C13	ZC106-DA16	10uF/16V	A-size		
C14	ZC104M-0603	0.1u/50V	0603		
C15	ZC104M-0603	0.1u/50V	0603		
C16	ZC475Z-50V-1206	4.7u/50V	1206		
C17	ZC104M-0603	0.1u/50V	0603		
C18	ZC104M-0603	0.1u/50V	0603		
C19	ZC104M-0603	0.1u/50V	0603		
Approval	Date	Designer	Date		
James	2012/06/28	Angus	2012/06/28		

 巨輪興業有限公司 JULUEN ENTERPRISE CO.,LTD.		Title	YPCB-M35-D3	
		Document No.	BOM-YPCB-M35-D3	
		Rev.	1.0	Page 2/2
ITEM	PART NUMBER	DESCRIPTION	PACKAG	
C20	ZC104M-0603	0.1u/50V	0603	
C21	ZC104M-0603	0.1u/50V	0603	
C22	ZC475Z-50V-1206	4.7u/50V	1206	
D1	ZD-SS160	SS160	SOD-123	
D2	ZD-SS160	SS160	SOD-123	
D3	ZD-FM4007-MH	FM4007-MH	SOD-123	
D4	ZD5V1-1206	Z5.1V	1206	
D5	ZD-S3MB	S3MB	DO-214AA	
D6	ZD-L1SS355T1G	L1SS355T1G	SOD-323	
D7	X	X	X	
D8	ZD6V2-SOD323	Z6.2V	SOD-323	
D9	ZD-SS160	SS160	SOD-123	
D10	ZD5V1-SOD323	Z5.1V	SOD-323	
D11	ZD-SS160	SS160	SOD-123	
Q1	ZTRBTC2411N3-SO	ZTRBTC2411N3	SOT-23	
Q2	ZTRBTC2411N3-SO	ZTRBTC2411N3	SOT-23	
Q3	ZTRBTA1036N3-SO	ZTRBTA1036N3	SOT-23	
L1	ZIND101-DR53	100uH	SMTDR53	
L2	ZIND101-DR53	100uH	SMTDR53	
L3	X	FBMA-601A30T	0805	
L4	X	FBMA-601A30T	0805	
L5	ZIND101-DR53	100uH	SMTDR53	
L6	ZIND101-DR53	100uH	SMTDR53	
U1	ZICG2610AT11U	G2610A	SOT-23-5	
U2	ZICG2610AT11U	G2610A	SOT-23-5	
U3	ZIC16F636-SO	PIC16F636	SO-14	
U4	ZICG2610AT11U	G2610A	SOT-23-5	
U5	ZICG2610AT11U	G2610A	SOT-23-5	
LED1	ZLED-FED-□1	1W LED	E-Type	
LED2	ZLED-FED-□1	1W LED	E-Type	
LED3	ZLED-FED-□1	1W LED	E-Type	
LED4	ZLED-FED-□1	1W LED	E-Type	
LED5	ZLED-FED-□1	1W LED	E-Type	
LED6	ZLED-FED-□1	1W LED	E-Type	
LED7	ZLED-FED-□1	1W LED	E-Type	
LED8	ZLED-FED-□1	1W LED	E-Type	
LED9	ZLED-FED-□1	1W LED	E-Type	
LED10	ZLED-FED-□1	1W LED	E-Type	
LED11	ZLED-FED-□1	1W LED	E-Type	
LED12	ZLED-FED-□1	1W LED	E-Type	
J1	X	X	X	
+	ZWIR-20AWG20CM-BD-R	20CM 20AWG	UL1007	
-	ZWIR-20AWG20CM-BD-B	20CM 20AWG	UL1007	
SYNC	ZWIR-20AWG20CM-BD-Y	20CM 20AWG	UL1007	
LO	ZWIR-20AWG20CM-BD-W	20CM 20AWG	UL1007	
-----Blank below-----				
Approval	Date	Designer	Date	
James	2012/06/28	Angus	2012/06/28	

Photo E.S.A.



Tested model MS26