







Report No.: 68.184.23.0616.01

TEST REPORT	
PPP 11119C:2021 Rev. 00	
TÜV SÜD Test Report for ErP verification of Ecodesign requirement for Separate Control Gear Implementation measure (EU) 2019/2020	
Report No.:	68.184.23.0616.01
Date of issue:	2023-11-02
Project handler:	Sky Feng
Testing laboratory:	TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch
Address:	Building 12 & 13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District, Shenzhen 518052, China
Testing location:	as above
Client:	Shenzhen Step Electronic and Lighting Co., Ltd
Client number:	120847
Address:	1402, 1403, Building 1, Huide Building, Beizhuan Community, Minzhi Street, Longhua District, 518110 Shenzhen, PEOPLE'S REPUBLIC OF CHINA
Contact person:	Liu Dan
Standard:	This TÜV SÜD test report form is based on the following requirements: (EU) 2019/2020:2019-10-01 with Corrigendum; (EU) 2021/341:2021-02-23
TRF number and revision:	PPP 11119C:2021 Rev.00:2021-08
TRF originated by:	TUV SUD Product Service, Mr. Richard Xu
Copyright blank test report:	This test report is based on the content of the standard (see above). The test report considered selected clauses of the a.m. standard(s) and experience gained with product testing. It was prepared by TÜV SÜD Product Service. TÜV SÜD Group takes no responsibility for and will not assume liability for damages resulting from the reader's interpretation of the reproduced material due to its placement and context.
General disclaimer:	This test report may only be quoted in full. Any use for advertising purposes must be granted in writing. This report is the result of a single examination of the object in question and is not generally applicable evaluation of the quality of other products in regular production.
Scheme:	<input type="checkbox"/> TÜV Mark <input checked="" type="checkbox"/> without certification <input checked="" type="checkbox"/> EU-Directive
Non-standard test method:	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes, see details under Summary of testing
National deviations:	None
Number of pages (Report):	32
Number of pages (Attachments):	13
Compiled by:	Sky Feng
(+ signature)	 
Approved by:	Jake Xu
(+ signature)	 

Test Report PPP 11119C:2021

Report No.: 68.184.23.0616.01

Test sample:	LED driver
Type of test object:	Pre-production Sample
Trademark:	Jedver
Model and/ or type reference:	JEDS020BP0240083V; JEDS040AP0240167V; JEDS060DP0240250V; JEDS090CP0240375V
Rating(s):	Input: See "General product information and other remarks" Output: See "General product information and other remarks"
Manufacturer:	Same as Client.
Manufacturer number:	Same as Client.
Address:	Same as Client.
Name and address of factory(ies)	
Dongguan Jedver Smart Lighting Co., Ltd. Building 1, No. 3 of Ma'an 2nd Road, Chashan Town, 523575 Dongguan, Guangdong Province, PEOPLE'S REPUBLIC OF CHINA	
Sub-contractors / tests (clause):	N/A
Name:	N/A
Order description:	<input checked="" type="checkbox"/> Complete test according to TRF
	<input type="checkbox"/> Partial test according to manufacturer's specifications
	<input type="checkbox"/> Preliminary test
	<input type="checkbox"/> Spot check
	<input type="checkbox"/> Others:
Date of order:	2023-09-19
Date of receipt of test item:	2023-09-19
Date(s) of performance of test:	2023-09-19 to 2023-11-02
Test item particulars:	
Type of load:	
- LED (Light Emitting Diode)	<input checked="" type="checkbox"/>
- OLED (Organic Light Emitting Diode)	<input type="checkbox"/>
- CFLni (Compact Fluorescent Lamp without integrated ballast)	<input type="checkbox"/>
- HL (Halogen Lamp)	<input type="checkbox"/>
- FL (Fluorescent Lamp, including circular, U-shape, etc.)	<input type="checkbox"/>
- LFL (Linear Fluorescent Lamp)	<input type="checkbox"/>
- Magnetic induction light source	<input type="checkbox"/>



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- HID (High-intensity Discharge lamp, including metal halide, high-pressure sodium and mercury vapour type)

Type of construction:

- Standalone separate control gear
- Contained non-separable control gear

Functionality:

- Programmable
- Dimmable
- Multi-wattage
- With no-load mod
- With standby mode
- With networked standby mode

Data connection:

- None
- Sensing connections
 - o Type: Light emission control, ...
- Wired
 - o Type: DALI,
- Wireless
 - o Type: DALI wireless

Purpose of the product (description of intended use):

The product is intended to be used as a lamp control gear.

Characteristic data (not shown on the marking plate):

- Rated input voltage(V): See “General product information and other remarks”
- Rated input current(A): See “General product information and other remarks”
- Rated output power(W): See “General product information and other remarks”
- Rated output voltage(V): See “General product information and other remarks”
- Rated output current(A): See “General product information and other remarks”
- tc(°C): See “General product information and other remarks”
- ta(°C): See “General product information and other remarks”
- PF.....: See “General product information and other remarks”

Attachments:

1. Test equipment list
2. Photo document

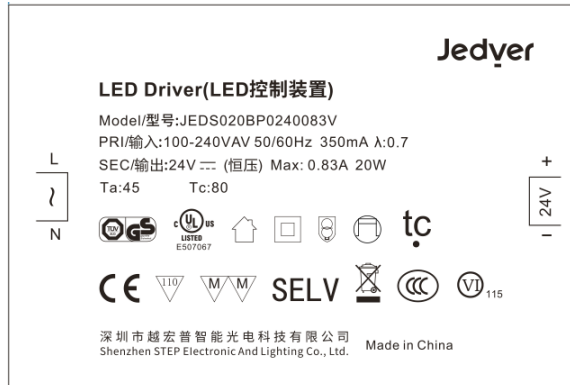
Report No.: 68.184.23.0616.01

If additional information is necessary, please provide

For example: Instruction for how to remove the control gear

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Copy of marking plate:



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LED Driver(LED控制装置) **Jedyer**

Model/型号: JEDS060DP0240250V

PRI/输入: 100-240VAC 50/60Hz 800mA λ:0.9

SEC/输出: 24V (恒压) Max: 2.5A 60W

Ta: 45°C Tc: 80°C












深圳市越宏普智能光电科技有限公司
Shenzhen STEP Electronic And Lighting Co., Ltd. Made in China





LED Driver(LED控制装置) **Jedyer**

Model/型号: JEDS090CP0240375V

PRI/输入: 100-240VAC 50/60Hz 1550mA λ:0.9

SEC/输出: 24V (恒压) Max: 3.75A 90W

Ta: 45°C Tc: 80°C












深圳市越宏普智能光电科技有限公司
Shenzhen STEP Electronic And Lighting Co., Ltd. Made in China

Pictures of the product:

See Attachment 2: Photo document

Summary of testing:

The separate control gear meets the energy efficiency and information requirement as specified in following details.

Remark:

- deviation(s) found
- no deviations found

Additional information on non-standard test method(s)

Sub clause: N/A

Page: N/A

Rational: N/A

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Possible test case verdicts:

test case does not apply to the test object: N/A (not applicable / not included in the order)
 test object does meet the requirement: P (Pass)
 test object does not meet the requirement: F (Fail)

General remarks:

"(see remark #)" refers to a remark appended to the report.
 "(see appended table)" refers to a table appended to the report.
 Throughout this report a **comma/point** is used as the decimal separator.
 The test results presented in this report relate only to the object tested.
 This report shall not be reproduced except in full without the written approval of the testing laboratory.

General product information and other remarks:

LED driver information:

Model	Manufactory	INPUT	OUTPUT	ta (°C)	Tc (°C)	PF
JEDS020BP0 240083V	Shenzhen Step Electronic and Lighting Co., Ltd	100-240VAC; 50/60Hz; 350mA	24VDC (CV); 0.83A Max; Prated: 20W	45	80	0.7
JEDS040AP0 240167V		100-240VAC; 50/60Hz; 630mA	24VDC (CV); 1.67A Max; Prated: 40W	45	80	0.9
JEDS060DP0 240250V		100-240VAC; 50/60Hz; 800mA	24VDC (CV); 2.5A Max; Prated: 60W	45	80	0.9
JEDS090CP0 240375V		100-240VAC; 50/60Hz; 1550mA	24VDC (CV); 3.75A Max; Prated: 90W	45	80	0.9

Unless otherwise specified, 3pcs separate control gears(JEDS020BP0240083V) were chosen to perform all tests.

Unless otherwise specified, 3pcs separate control gears(JEDS040AP0240167V) were chosen to perform all tests.

Unless otherwise specified, 3pcs separate control gears(JEDS060DP0240250V) were chosen to perform all tests.

Unless otherwise specified, 3pcs separate control gears(JEDS090CP0240375V) were chosen to perform all tests.

Clause	Requirement + Test	Result – Remark	Verdict
0	Measurement methods		P
	Recognised state of art measurement methods incl. the one published in the Official Journal taking into account the measurement methods of (EU) 2019/2020	EN IEC 62442-3:2022 EN IEC 63103:2020	P
1.	Sample		P
	Number of sample used for test	See General product information and other remarks for details	P
2	Minimum energy efficiency requirements of a separate control gear		P
	From 1 September 2021, the minimum energy efficiency requirements of a separate control gear operating at full-load shall apply (Annex II, cl.1, (b), table 3 of EU 2019/2020) (Based on: Declared output power of the control gear (P_{cg}) or declared power of the light source (P_{ls}) in W, as applicable)		P
2.1	Control gear for HL light sources P_{cg} Minimum energy efficiency 0,91	P_{cg} : Energy efficiency:	N/A
2.2	Control gear for FL light sources		N/A
	$P_{ls} \leq 5W$, Minimum energy efficiency 0,71	P_{ls} : Energy efficiency:	N/A
	$5W < P_{ls} \leq 100W$, energy efficiency $P_{ls}/(2 \times \sqrt{(P_{ls}/36) + 38/36} \times P_{ls} + 1)$	P_{ls} : Energy efficiency:	N/A
	$100W < P_{ls}$, Minimum energy efficiency 0,91	P_{ls} : Energy efficiency:	N/A
2.3	Control gear for HID light sources		N/A
	$P_{ls} \leq 30W$, Minimum energy efficiency 0,78	P_{ls} : Energy efficiency:	N/A
	$30W < P_{ls} \leq 75W$, energy efficiency 0,85	P_{ls} : Energy efficiency:	N/A
	$75W < P_{ls} \leq 105W$, energy efficiency 0,87	P_{ls} : Energy efficiency:	N/A
	$105W < P_{ls} \leq 405W$, energy efficiency 0,90	P_{ls} : Energy efficiency:	N/A
	$405W < P_{ls}$, Minimum energy efficiency 0,92	P_{ls} : Energy efficiency:	N/A

Clause	Requirement + Test	Result – Remark	Verdict
2.4	Control gear for LED or OLED light sources P_{cg} Minimum energy efficiency $P_{cg}^{0,81}/(1,09 \times P_{cg}^{0,81} + 2,10)$	P_{cg} : See table 1 Minimum energy efficiency: See table 1 Measure energy efficiency: See table 1	P
2.5	Multi-wattage separate control gears shall comply with the requirements in Table 3 according to the maximum declared power on which they can operate		N/A
2.6	The no-load power P_{no} of a separate control gear shall not exceed 0,5 W. This applies only to separate control gear for which the manufacturer or importer has declared in the technical documentation that it has been designed for no-load mode	P_{no} : See table 2	P
2.7	The standby power P_{sb} of a separate control gear shall not exceed 0,5 W	P_{sb} : no standby mode	N/A
2.8	The networked standby power P_{net} of a connected separate control gear shall not exceed 0,5 W. The allowable values for P_{sb} and P_{net} shall not be added together	P_{net} : networked standby mode	N/A
3	Information requirements		P
	From 1 September 2021 the following information requirements shall apply: (Annex II, cl.3 of EU 2019/2020)		P
3.1	Information to be visibly displayed on the packaging		P
	If a separate control gear is placed on the market as a stand-alone product and not as a part of a containing product, in a packaging containing information to be visibly displayed to potential buyers, prior to their purchase, the following information shall be clearly and prominently displayed on the packaging		P
(a)	the maximum output power of the control gear (for HL, LED and OLED) or the power of the light source for which the control gear is intended (for FL and HID)		P
(b)	the type of light source(s) for which it is intended		P
(c)	the efficiency in full-load, expressed in percentage		P
(d)	the no-load power (P_{no}), expressed in W and rounded to the second decimal, or the indication that the gear is not intended to operate in no-load mode. If the value is zero, it may be omitted from the packaging but shall nonetheless be declared in the technical documentation and on websites		P
(e)	the standby power (P_{sb}), expressed in W and rounded to the second decimal. If the value is zero, it may be omitted from the packaging but shall nonetheless be declared in the technical documentation and on websites		N/A

Clause	Requirement + Test	Result – Remark	Verdict
(f)	where applicable, the networked standby power (P_{net}), expressed in W and rounded to the second decimal. If the value is zero, it may be omitted from the packaging but shall nonetheless be declared in the technical documentation and on websites		N/A
(g)	a warning if the control gear is not suitable for dimming of light sources or can be used only with specific types of dimmable light sources or using specific wired or wireless dimming methods. In the latter cases, detailed information on the conditions in which the control gear can be used for dimming shall be provided on the manufacturer' s or importer' s website		P
(h)	a QR-code redirecting to a free-access website of the manufacturer, importer or authorised representative, or the internet address for such a website, where full information on the control gear can be found		P
	The information does not need to use the exact wording on the list above. Alternatively, it may be displayed in the form of graphs, drawings or symbols		P
3.2	Information to be visibly displayed on a free-access website of the manufacturer, importer or authorized representative		P
	For any separate control gear that is placed on the EU market, the following information shall be displayed on at least one free-access website		P
(a)	the information specified in point 3.1, except 3.1(h)		P
(b)	the outer dimensions in mm		P
(c)	the mass in grams of the control gear, without packaging, and without lighting control parts and non-lighting parts, if any and if they can be physically separated from the control gear		P
(d)	instructions on how to remove lighting control parts and non-lighting parts, if any, or how to switch them off or minimise their power consumption during control-gear testing for market surveillance purposes		P
(e)	if the control gear can be used with dimmable light sources, a list of minimum characteristics that the light sources should have to be fully compatible with the control gear during dimming, and possibly a list of compatible dimmable light sources		N/A
(f)	recommendations on how to dispose of it at the end of its life in line with Directive 2012/19/EU		P
	The information does not need to use the exact wording in the list above. Alternatively, it may be displayed in the form of graphs, drawings or symbols		P

Clause	Requirement + Test	Result – Remark	Verdict
3.3	Technical documentation		P
	The information specified in point 3.2 shall also be contained in the technical documentation file drawn up for the purposes of conformity assessment pursuant to Article 8 of Directive 2009/125/EC		P
4	Removal of light sources and separate control gears (Article 4 of EU 2019/2020)		P
4.1	Manufacturers, importers or authorised representatives of containing products shall ensure that light sources and separate control gears can be replaced with the use of common available tools and without permanent damage to the containing product, unless a technical justification related to the functionality of the containing product is provided in the technical documentation explaining why the replacement of light sources and separate control gear is not appropriate		P
	Manufacturers, importers or authorised representatives of containing products shall ensure that light sources and separate control gears can be removed without being permanently damaged for verification purposes by market surveillance authorities. The technical documentation shall provide instructions on how to do this.		P
4.2	Manufacturers, importers or authorized representatives of containing products shall provide information about the replaceability or non-replaceability of light sources and control gears by end-users or qualified persons without permanent damage to the containing product. Such information shall be available on a free-access website. For products sold directly to end-users, this information shall be on the packaging, at least in the form of a pictogram, and in the user instructions		P
4.3	Manufacturers, importers or authorised representatives of containing products shall ensure that light sources and separate control gears can be dismantled from containing products at end of life. Dismantling instructions shall be available on a free access website		P
5	Circumvention and software updates (Article 7 of EU 2019/2020)		P

Clause	Requirement + Test	Result – Remark	Verdict
	The manufacturer, importer or authorised representative shall not place on the market products designed to be able to detect they are being tested (for example, by recognising the test conditions or test cycle) and to react specifically by automatically altering their performance during the test with the aim of reaching a more favourable level for any of the parameters in the technical documentation or included in any documentation provided.		P
	The energy consumption of the product and any of the other declared parameters shall not deteriorate after a software or firmware update when measured with the same test standard originally used for the declaration of conformity, except with explicit consent of the end-user prior to the update. No performance change shall occur as a result of rejecting the update.		N/A
	A software update shall never have the effect of changing the product's performance in a way that makes it non-compliant with the ecodesign requirements applicable for the declaration of conformity.		N/A



TABLE 1-1 Measurement and calculation – Full load mode				
Model:	JEDS020BP0240083V			
	Sample 1	Sample 2	Sample 3	Arithmetic mean
Output¹⁾:				
Current (mA)	839	837	835	837
Voltage (V)	24.01	24.07	24.13	24.07
Power (W)	20.00	20.02	20.02	20.01
Input²⁾:				
Input Voltage (V)	230	230	230	230
Input current (A)	0.1320	0.1319	0.1314	0.1318
Input Power (W)	22.527	22.466	22.506	22.500
Frequency (Hz)	50	50	50	50
True Power Factor	0.7424	0.7407	0.7442	0.7424
Calculated Energy Efficiency ³⁾	0.8878	0.8911	0.8895	0.8895
Minimum Energy Efficiency	0.7840	0.7840	0.7840	0.7840
Supplementary information:				
<ul style="list-style-type: none"> - Reference setting:-- - Settings:-- - Connections:-- - Minmun Energie Efficiency: $P_{cg}^{0,81}/(1,09 \times P_{cg}^{0,81} + 2,10)=0.7840$, $P_{cg}=20W$ 				
Remark:				
<ol style="list-style-type: none"> 1) There may be more than one type of output, duplicate the rows for different output if necessary. 2) There may be more than one type of input, duplicate the rows for different input if necessary. 3) 'control gear efficiency' means the output power that supplies a light source divided by the input power of a separate control gear using the conditions and methods defined in standards. Any lighting control parts and non-lighting parts are disconnected, switched off or set to minimum power consumption according to manufacturer's instructions and subtracting this power consumption from the overall input power. It is for full load condition. 				



TABLE 1-2 Measurement and calculation – Full load mode				
Model: JEDS040AP0240167V				
	Sample 1	Sample 2	Sample 3	Arithmetic mean
Output¹⁾:				
Current (mA)	1676	1678	1683	1679
Voltage (V)	24.18	24.14	24.08	24.13
Power (W)	40.01	40.00	40.00	40.00
Input²⁾:				
Input Voltage (V)	230	230	230	230
Input current (A)	0.2101	0.2099	0.2109	0.2103
Input Power (W)	46.407	46.360	46.588	46.452
Frequency (Hz)	50	50	50	50
True Power Factor	0.9602	0.9599	0.9597	0.9599
Calculated Energy Efficiency ³⁾	0.8622	0.8628	0.8586	0.8612
Minimum Energy Efficiency	0.8362	0.8362	0.8362	0.8362
Supplementary information: <ul style="list-style-type: none"> - Reference setting:-- - Settings:-- - Connections:-- - Minmun Energie Efficiency: $P_{cg}^{0,81}/(1,09 \times P_{cg}^{0,81} + 2,10)=0.8362$, $P_{cg}=40W$ 				
Remark: <ol style="list-style-type: none"> 1) There may be more than one type of output, duplicate the rows for different output if necessary. 2) There may be more than one type of input, duplicate the rows for different input if necessary. 3) 'control gear efficiency' means the output power that supplies a light source divided by the input power of a separate control gear using the conditions and methods defined in standards. Any lighting control parts and non-lighting parts are disconnected, switched off or set to minimum power consumption according to manufacturer's instructions and subtracting this power consumption from the overall input power. It is for full load condition. 				



TABLE 1-3	Measurement and calculation – Full load mode			
Model:	JEDS060DP0240250V			
	Sample 1	Sample 2	Sample 3	Arithmetic mean
Output¹⁾:				
Current (mA)	2603	2595	2620	2606
Voltage (V)	23.52	23.59	23.38	23.50
Power (W)	60.00	60.01	60.01	60.01
Input²⁾:				
Input Voltage (V)	230	230	230	230
Input current (A)	0.3091	0.3098	0.3086	0.3092
Input Power (W)	68.363	68.410	68.346	68.373
Frequency (Hz)	50	50	50	50
True Power Factor	0.9610	0.9598	0.9631	0.9613
Calculated Energy Efficiency ³⁾	0.8777	0.8772	0.8780	0.8776
Minimum Energy Efficiency	0.8575	0.8575	0.8575	0.8575
Supplementary information:				
<ul style="list-style-type: none"> - Reference setting:-- - Settings:-- - Connections:-- - Minmun Energie Efficiency: $P_{cg}^{0,81}/(1,09 \times P_{cg}^{0,81} + 2,10)=0.8575$, $P_{cg}=60W$ 				
Remark:				
<ol style="list-style-type: none"> 1) There may be more than one type of output, duplicate the rows for different output if necessary. 2) There may be more than one type of input, duplicate the rows for different input if necessary. 3) 'control gear efficiency' means the output power that supplies a light source divided by the input power of a separate control gear using the conditions and methods defined in standards. Any lighting control parts and non-lighting parts are disconnected, switched off or set to minimum power consumption according to manufacturer's instructions and subtracting this power consumption from the overall input power. It is for full load condition. 				



TABLE 1-4	Measurement and calculation – Full load mode			
Model:	JEDS090CP0240375V			
	Sample 1	Sample 2	Sample 3	Arithmetic mean
Output¹⁾:				
Current (mA)	3896	3799	3810	3835
Voltage (V)	23.86	23.87	23.92	23.88
Power (W)	90.00	90.04	90.00	90.01
Input²⁾:				
Input Voltage (V)	230	230	230	230
Input current (A)	0.4577	0.4586	0.457	0.4578
Input Power (W)	98.888	98.676	98.701	98.755
Frequency (Hz)	50	50	50	50
True Power Factor	0.9371	0.9331	0.937	0.9357
Calculated Energy Efficiency ³⁾	0.9101	0.9125	0.9118	0.9115
Minimum Energy Efficiency	0.8735	0.8735	0.8735	0.8735
Supplementary information:				
<ul style="list-style-type: none"> - Reference setting:-- - Settings:-- - Connections:-- - Minmun Energie Efficiency: $P_{cg}^{0,81}/(1,09 \times P_{cg}^{0,81} + 2,10)=0.8735$, $P_{cg}=90W$ 				
Remark:				
<ol style="list-style-type: none"> 1) There may be more than one type of output, duplicate the rows for different output if necessary. 2) There may be more than one type of input, duplicate the rows for different input if necessary. 3) 'control gear efficiency' means the output power that supplies a light source divided by the input power of a separate control gear using the conditions and methods defined in standards. Any lighting control parts and non-lighting parts are disconnected, switched off or set to minimum power consumption according to manufacturer's instructions and subtracting this power consumption from the overall input power. It is for full load condition. 				



Product Service

TABLE 2-1 Measurement and calculation – Non-active mode												
Model: JEDS020BP0240083V												
Function	Sample 1			Sample 2			Sample 3			Arithmetic mean		
	No-Load	Standby	Networked standby	No-Load	Standby	Networked standby	No-Load	Standby	Networked standby	No-Load	Standby	Networked standby
Illumination	X	-	-	X	-	-	X	-	-	X	-	-
Measured non-active mode power (W)	0.0592	-	-	0.0692	-	-	0.0593	-	-	0.0625	-	-
Power Limit (W)	-	-	-	-	-	-	-	-	-	≤ 0.5	≤ 0.5	≤ 0.5
Supplementary information: - Reference setting: -- - Settings: -- - Connections: --												
Remark: 1) There may be more than one type of input, duplicate the rows for different input if necessary.												



Product Service

TABLE 2-2	Measurement and calculation – Non-active mode											
Model:	JEDS040AP0240167V											
Function	Sample 1			Sample 2			Sample 3			Arithmetic mean		
	No-Load	Standby	Networked standby	No-Load	Standby	Networked standby	No-Load	Standby	Networked standby	No-Load	Standby	Networked standby
Illumination	X	-	-	X	-	-	X	-	-	X	-	-
Measured non-active mode power (W)	0.1392	-	-	0.1323	-	-	0.1336	-	-	0.1350	-	-
Power Limit (W)	-	-	-	-	-	-	-	-	-	≤ 0.5	≤ 0.5	≤ 0.5
Supplementary information:												
<ul style="list-style-type: none"> - Reference setting: -- - Settings: -- - Connections: -- 												
Remark:												
1) There may be more than one type of input, duplicate the rows for different input if necessary.												



Product Service

TABLE 2-3 Measurement and calculation – Non-active mode												
Model: JEDS060DP0240250V												
Function	Sample 1			Sample 2			Sample 3			Arithmetic mean		
	No-Load	Standby	Networked standby	No-Load	Standby	Networked standby	No-Load	Standby	Networked standby	No-Load	Standby	Networked standby
Illumination	X	-	-	X	-	-	X	-	-	X	-	-
Measured non-active mode power (W)	0.2476	-	-	0.2561	-	-	0.2499	-	-	0.2512	-	-
Power Limit (W)	-	-	-	-	-	-	-	-	-	≤ 0.5	≤ 0.5	≤ 0.5
Supplementary information: - Reference setting: -- - Settings: -- - Connections: --												
Remark: 1) There may be more than one type of input, duplicate the rows for different input if necessary.												



Product Service

TABLE 2-4 Measurement and calculation – Non-active mode												
Model:	JEDS090CP0240375V											
Function	Sample 1			Sample 2			Sample 3			Arithmetic mean		
	No-Load	Standby	Networked standby	No-Load	Standby	Networked standby	No-Load	Standby	Networked standby	No-Load	Standby	Networked standby
Illumination	X	-	-	X	-	-	X	-	-	X	-	-
Measured non-active mode power (W)	0.1448	-	-	0.1398	-	-	0.1393	-	-	0.1413	-	-
Power Limit (W)	-	-	-	-	-	-	-	-	-	≤ 0.5	≤ 0.5	≤ 0.5
Supplementary information: - Reference setting: -- - Settings: -- - Connections: --												
Remark: 1) There may be more than one type of input, duplicate the rows for different input if necessary.												

**Attachment 1: Equipment List**

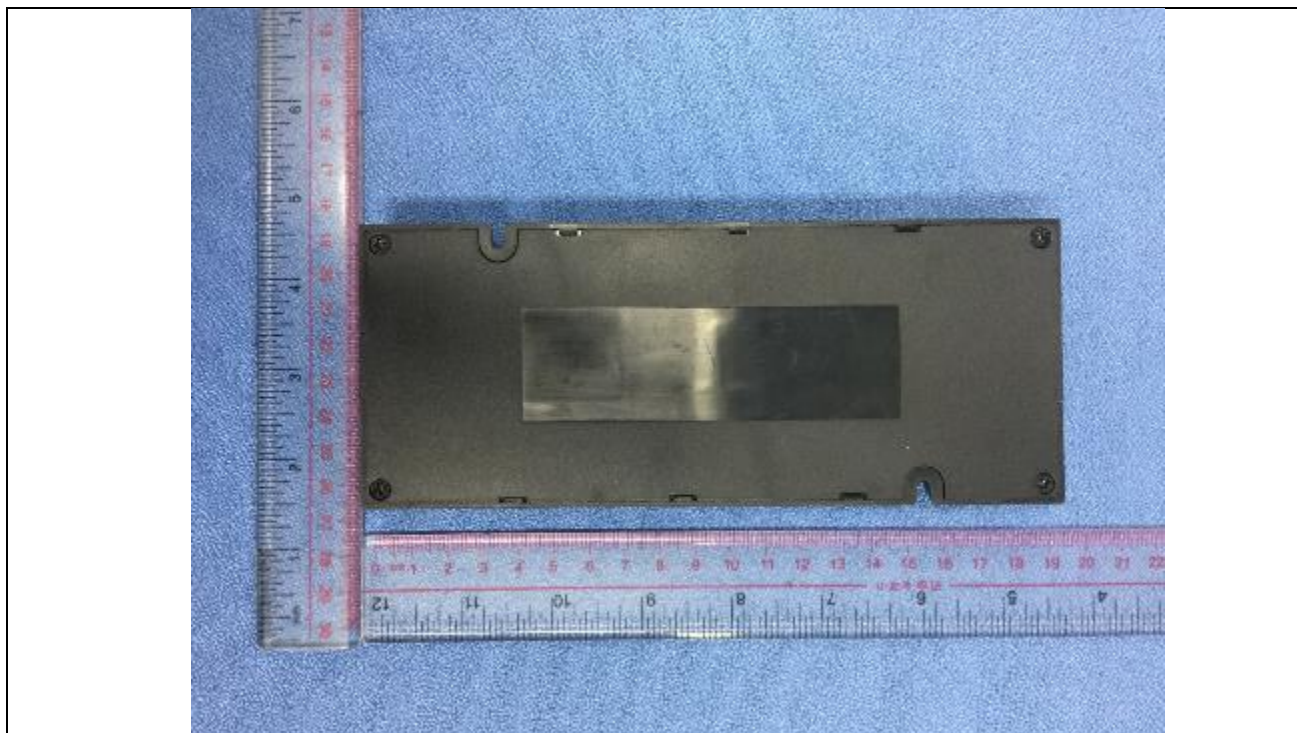
Equipment	ID No.	Model	Brand/Manufacturer	Calibration due date
DC Electronic Load	31604	IT8513C+	Itech Electronics Co., LTD	2023-10-18
Power meter	13210	WT210	Japan Yokogawa	2024-02-21
Temperature and humidity recorder	41469	L92-1	BinYuLong	2024-08-22

Attachment 2: Photo document

Details of: Outlook view for JEDS090CP0240375V



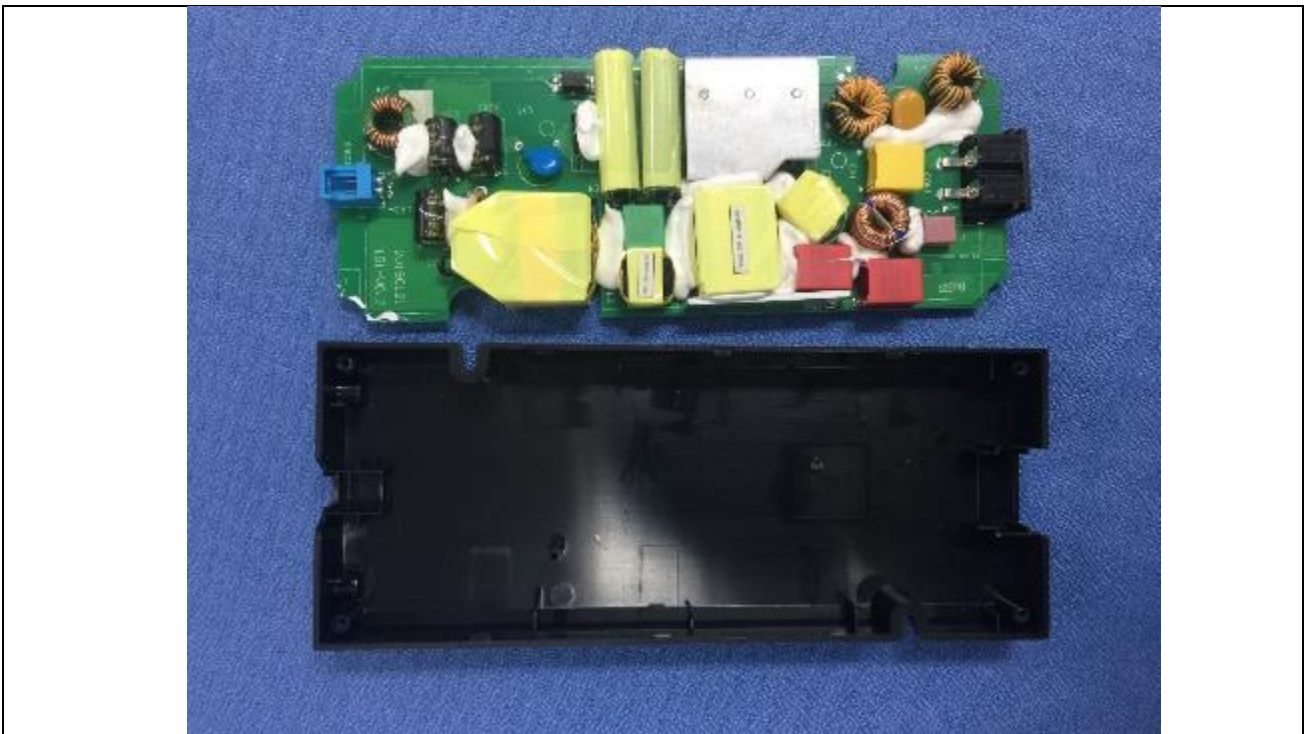
Details of: Outlook view for JEDS090CP0240375V



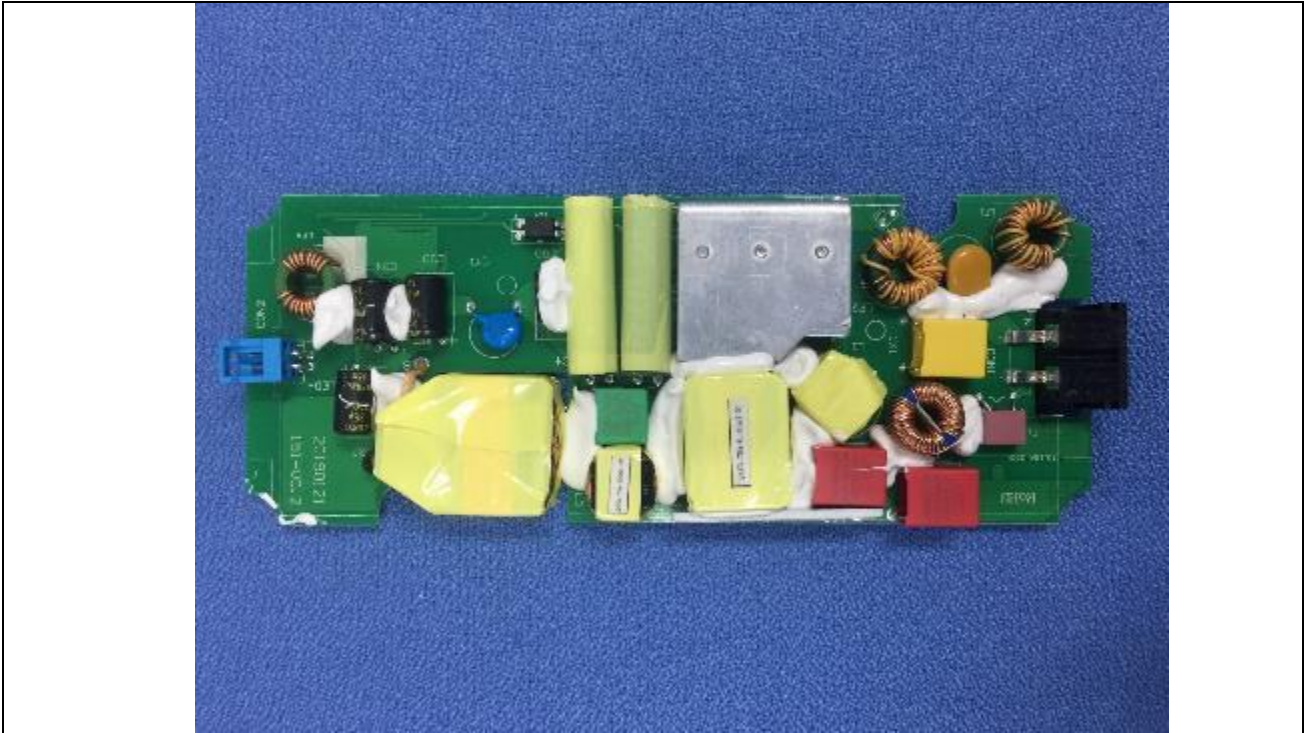
Details of: Internal view for JEDS090CP0240375V



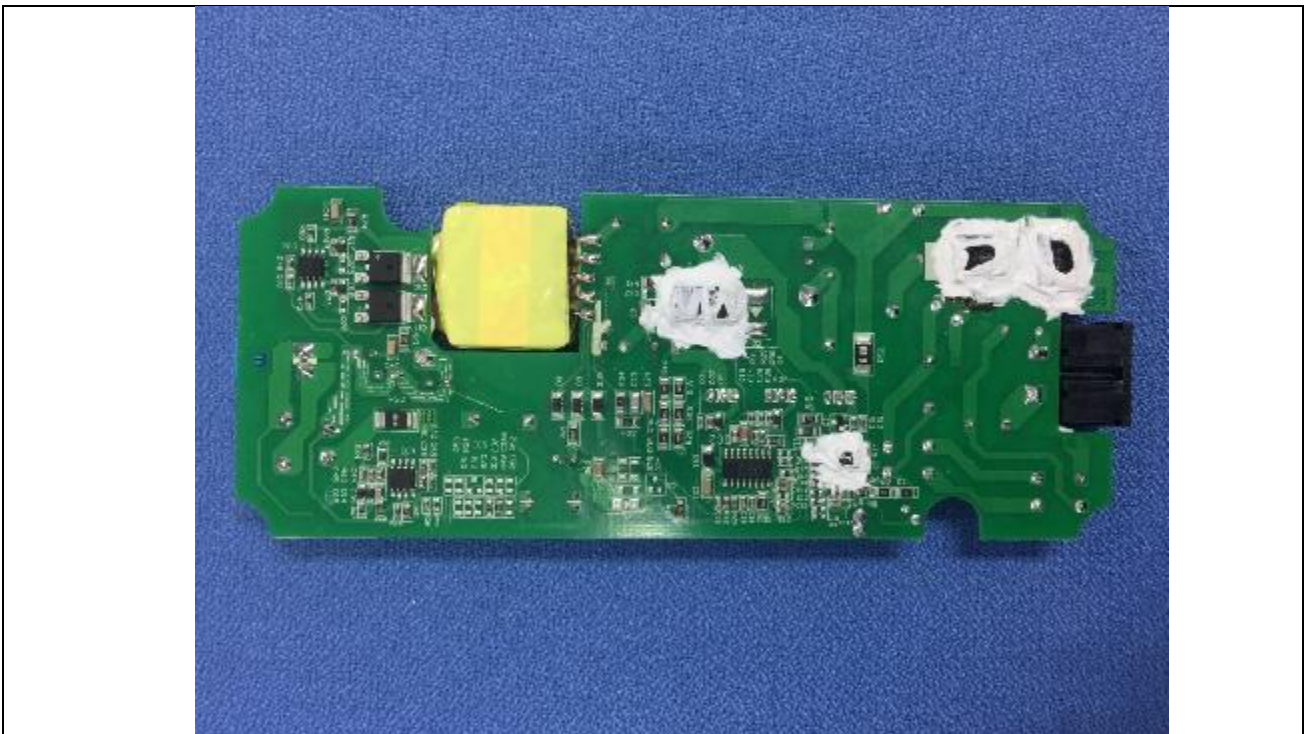
Details of: Internal view for JEDS090CP0240375V



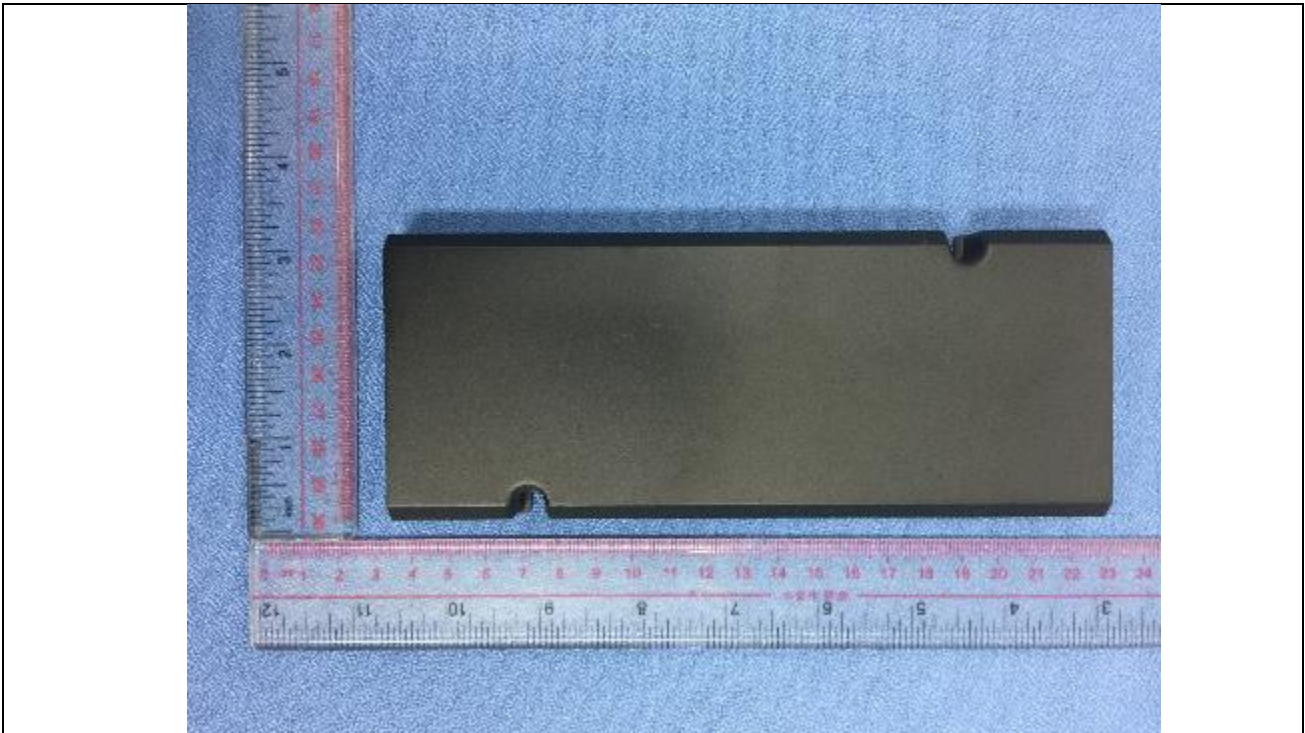
Details of: PCB components view for JEDS090CP0240375V



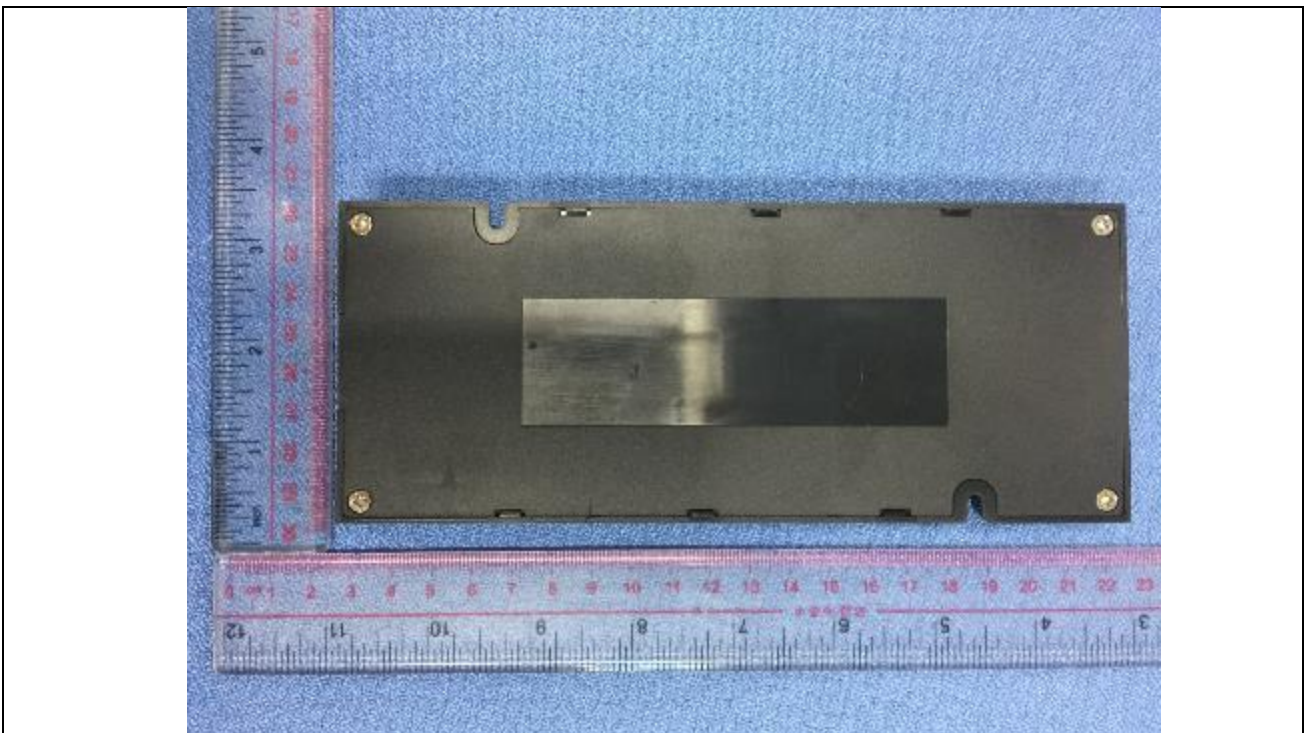
Details of: PCB components view for JEDS090CP0240375V



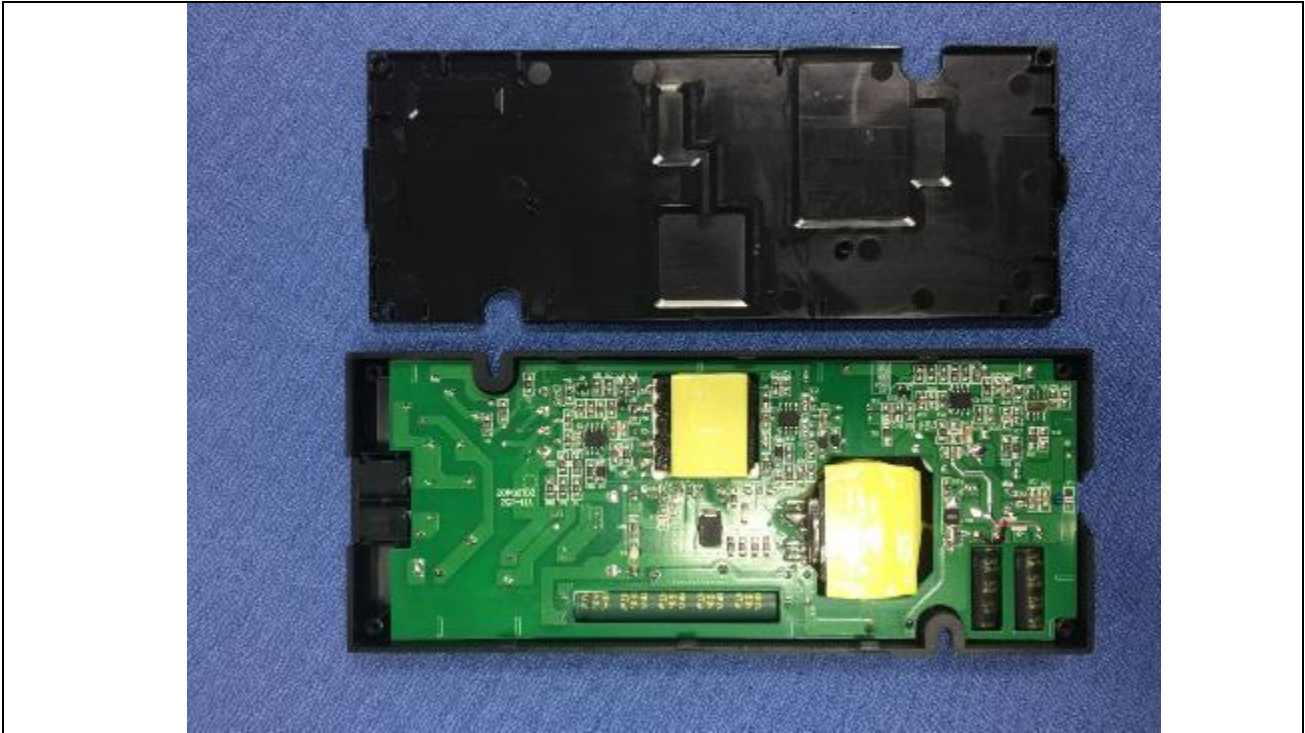
Details of: Outlook view for JEDS060DP0240250V



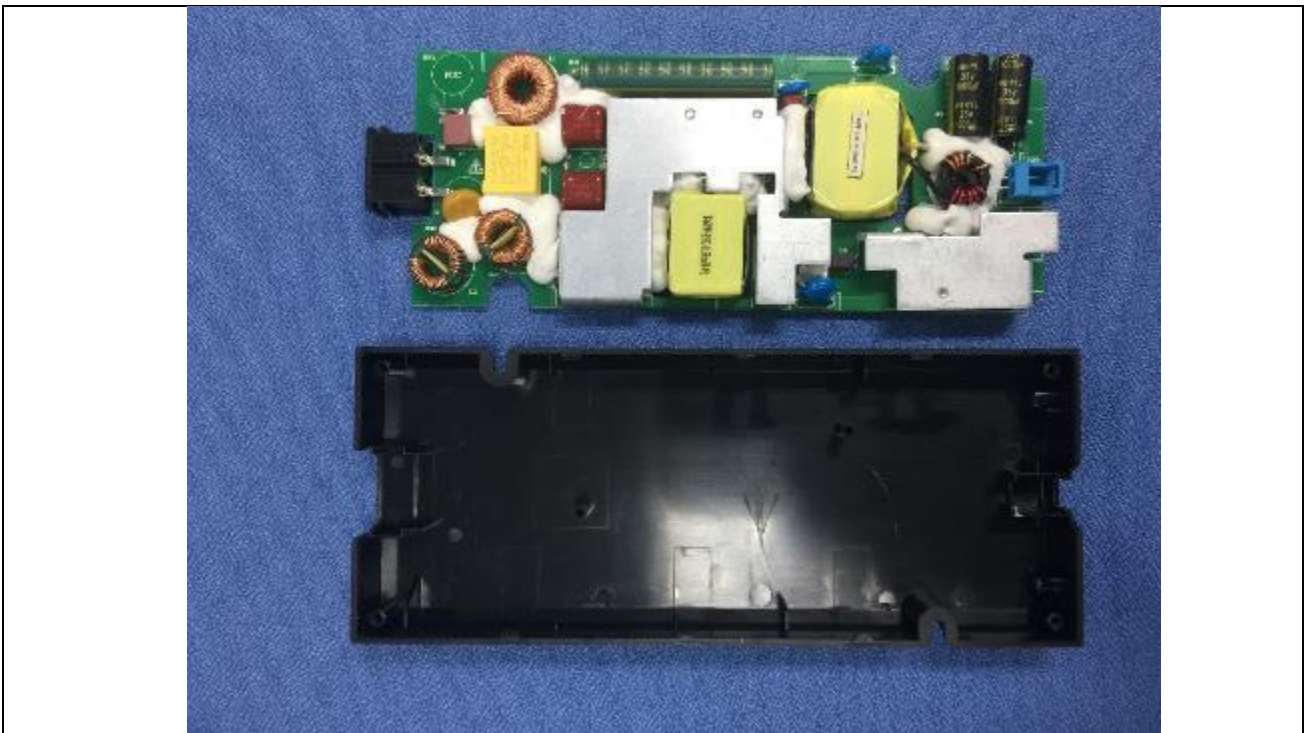
Details of: Outlook view for JEDS060DP0240250V



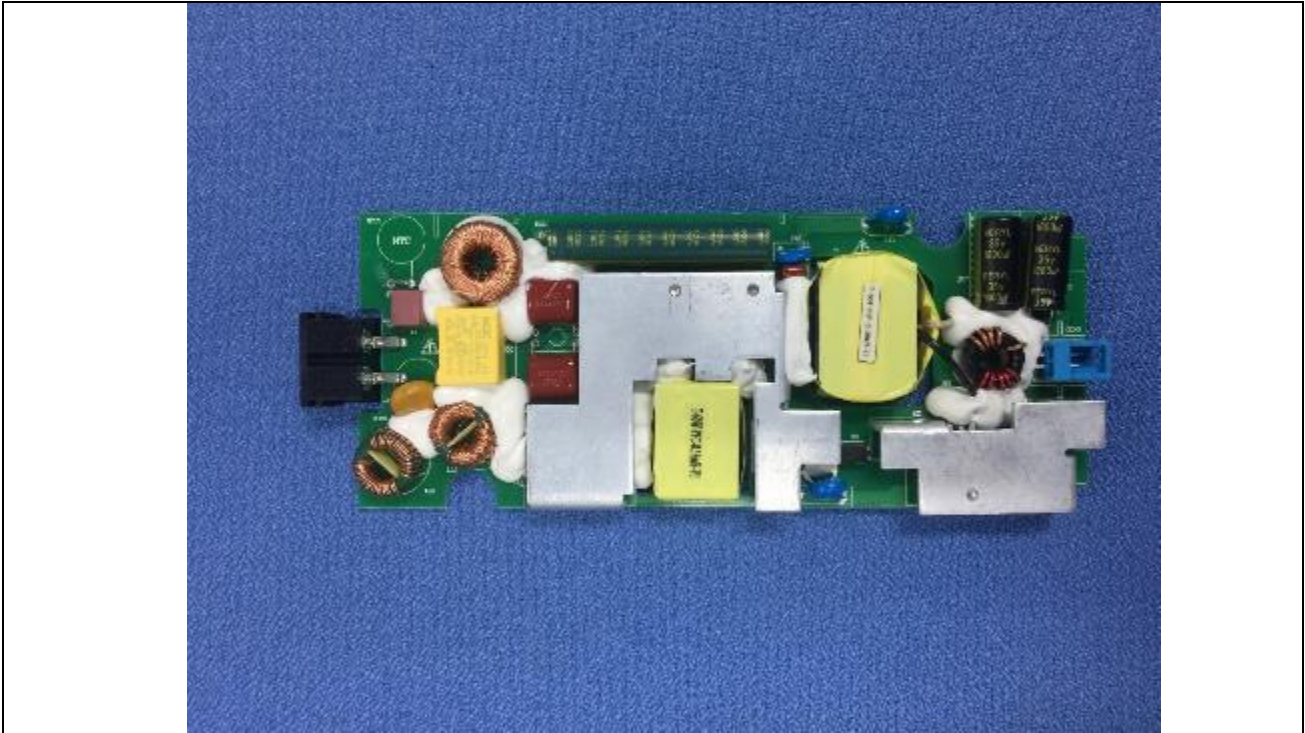
Details of: Internal view for JEDS060DP0240250V



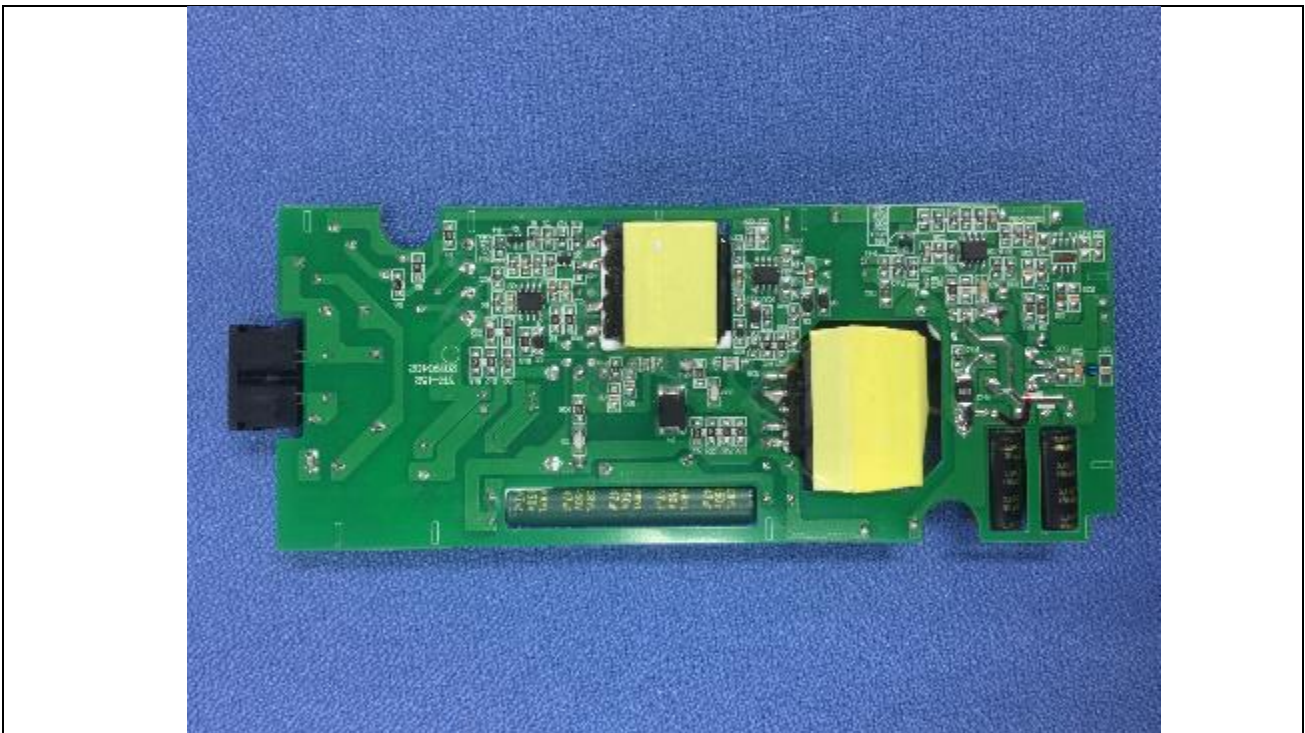
Details of: Internal view for JEDS060DP0240250V



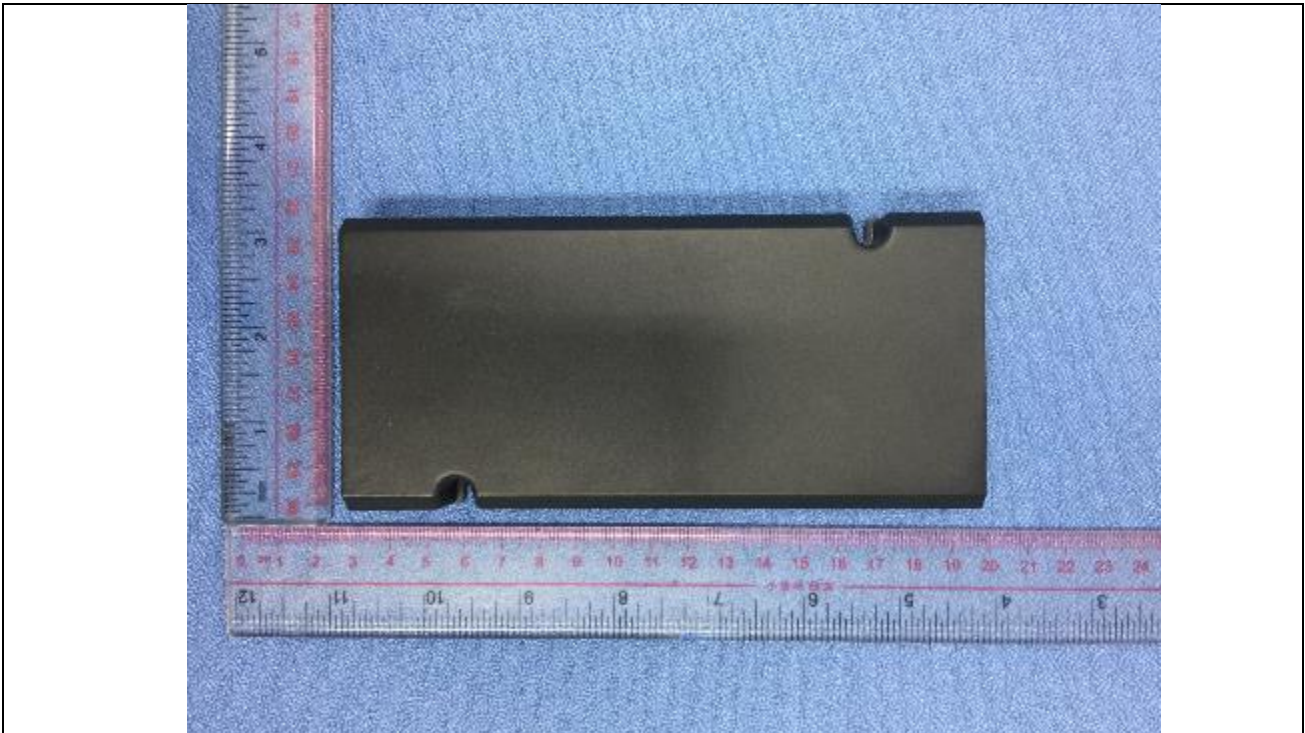
Details of: PCB components view for JEDS060DP0240250V



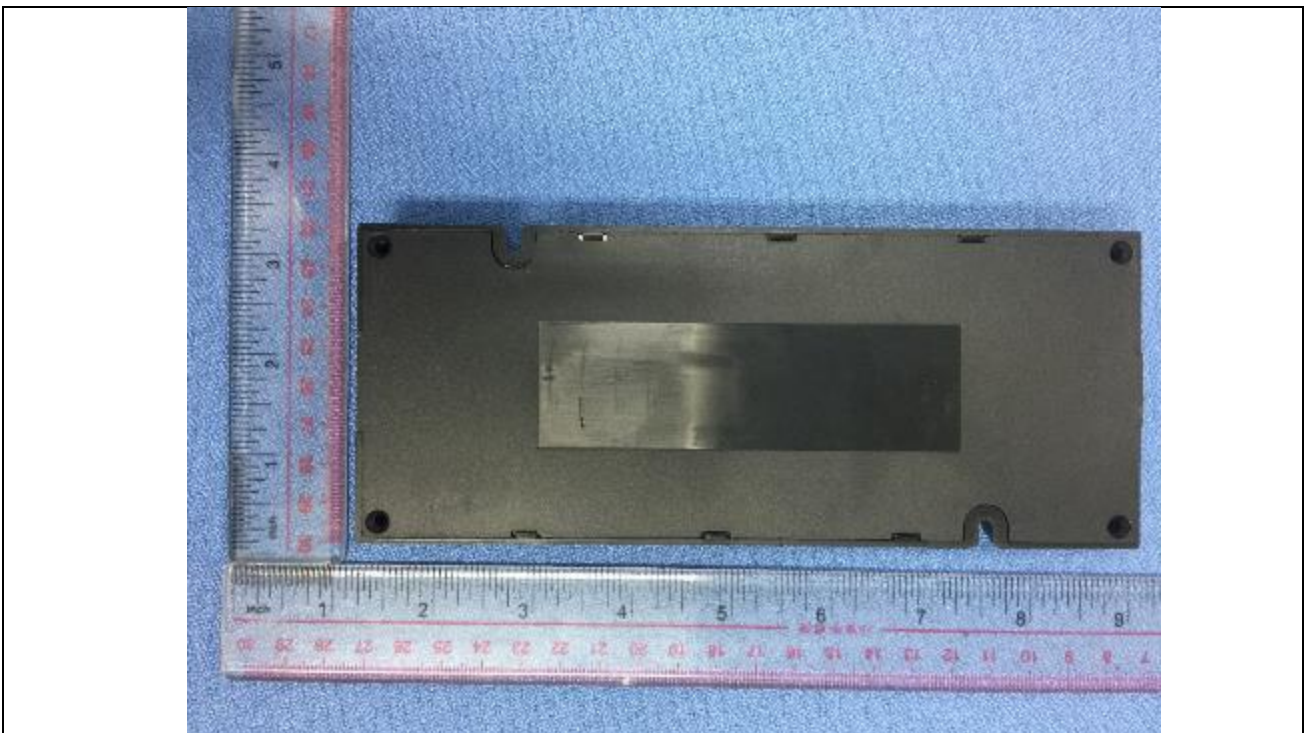
Details of: PCB layout view for JEDS060DP0240250V



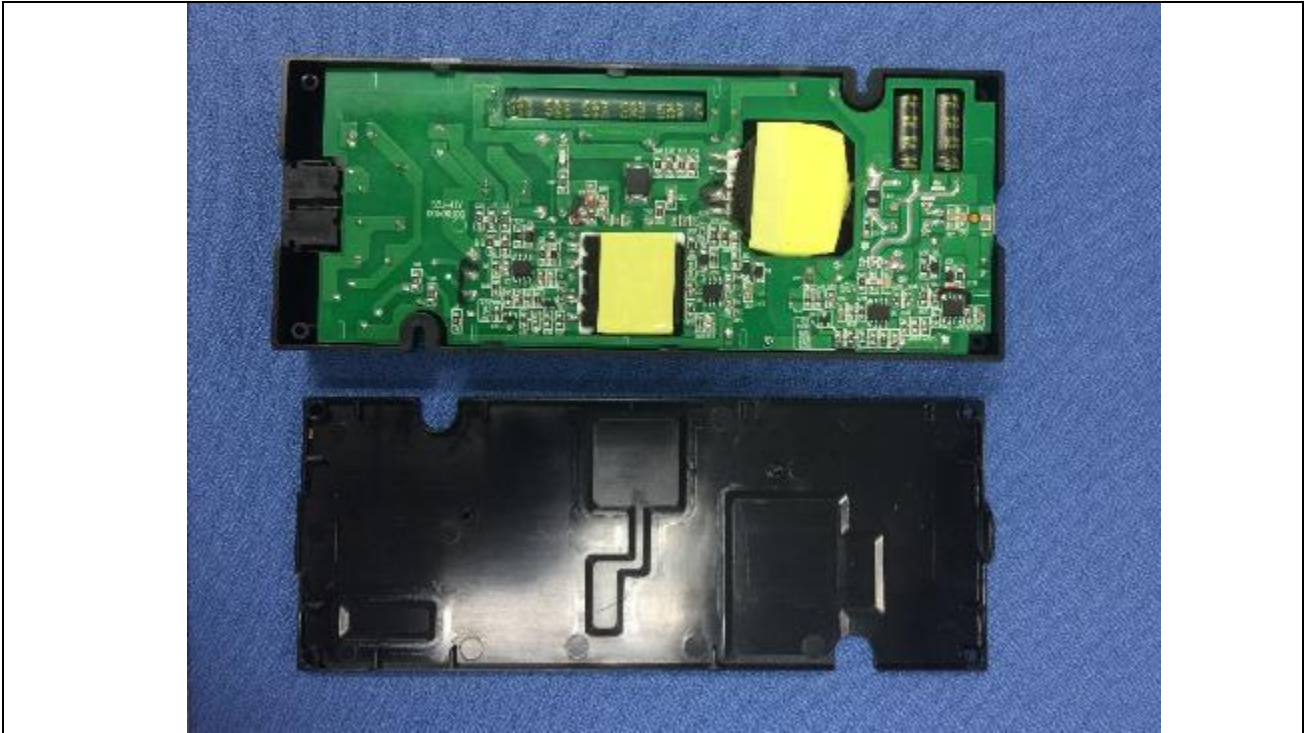
Details of: Outlook view for JEDS040AP0240167V



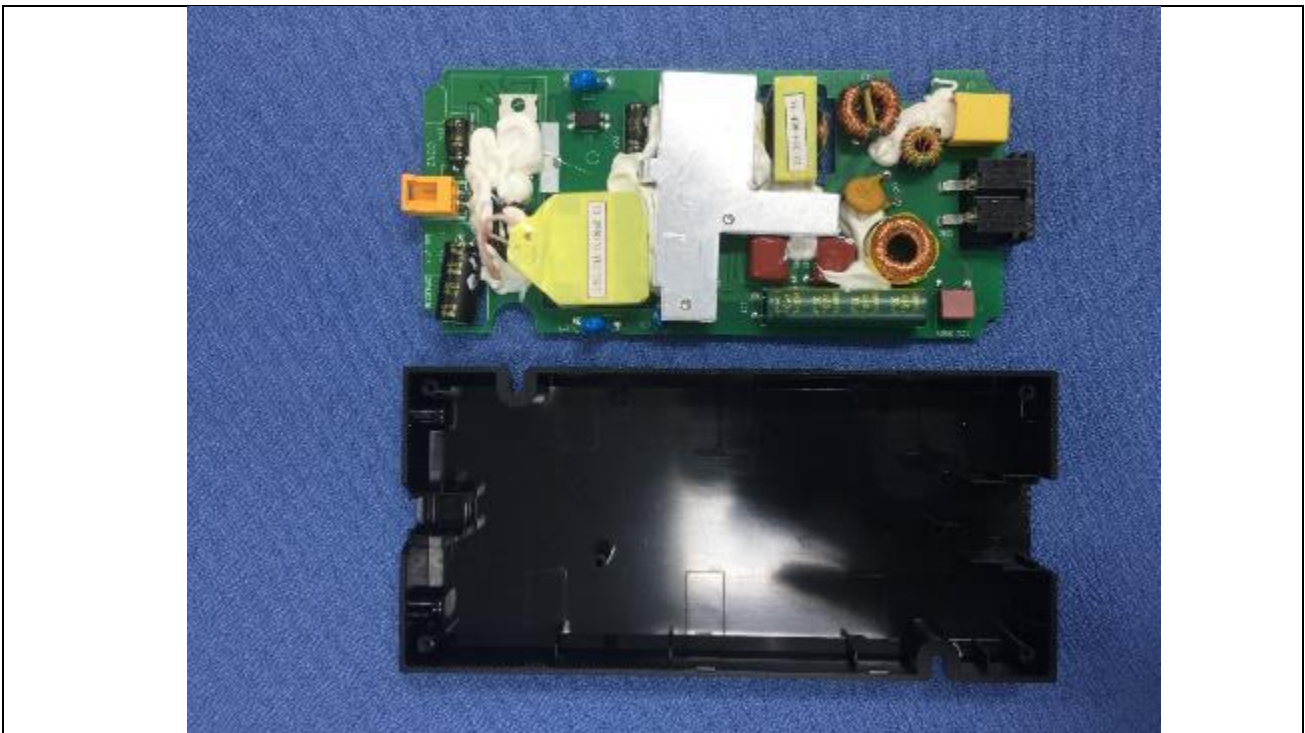
Details of: Outlook view for JEDS040AP0240167V



Details of: Internal view for JEDS040AP0240167V



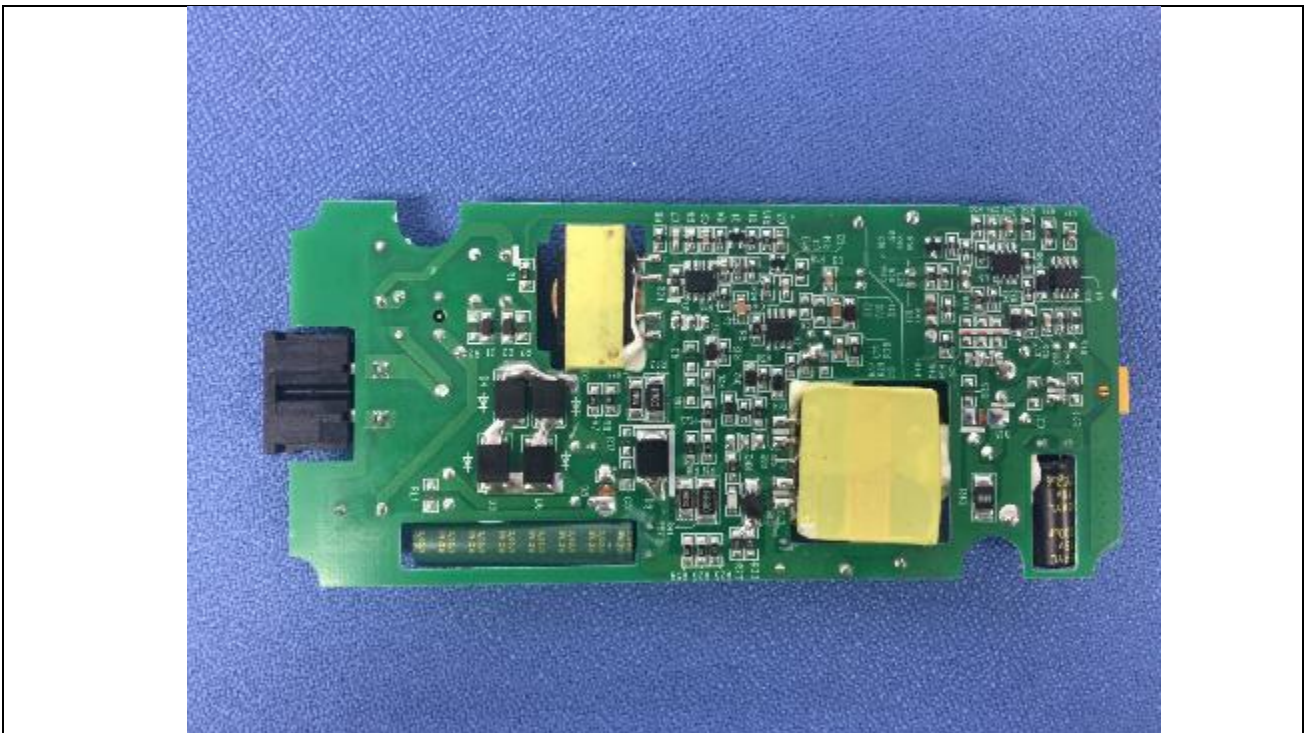
Details of: Internal view for JEDS040AP0240167V



Details of: PCB components view for JEDS040AP0240167V



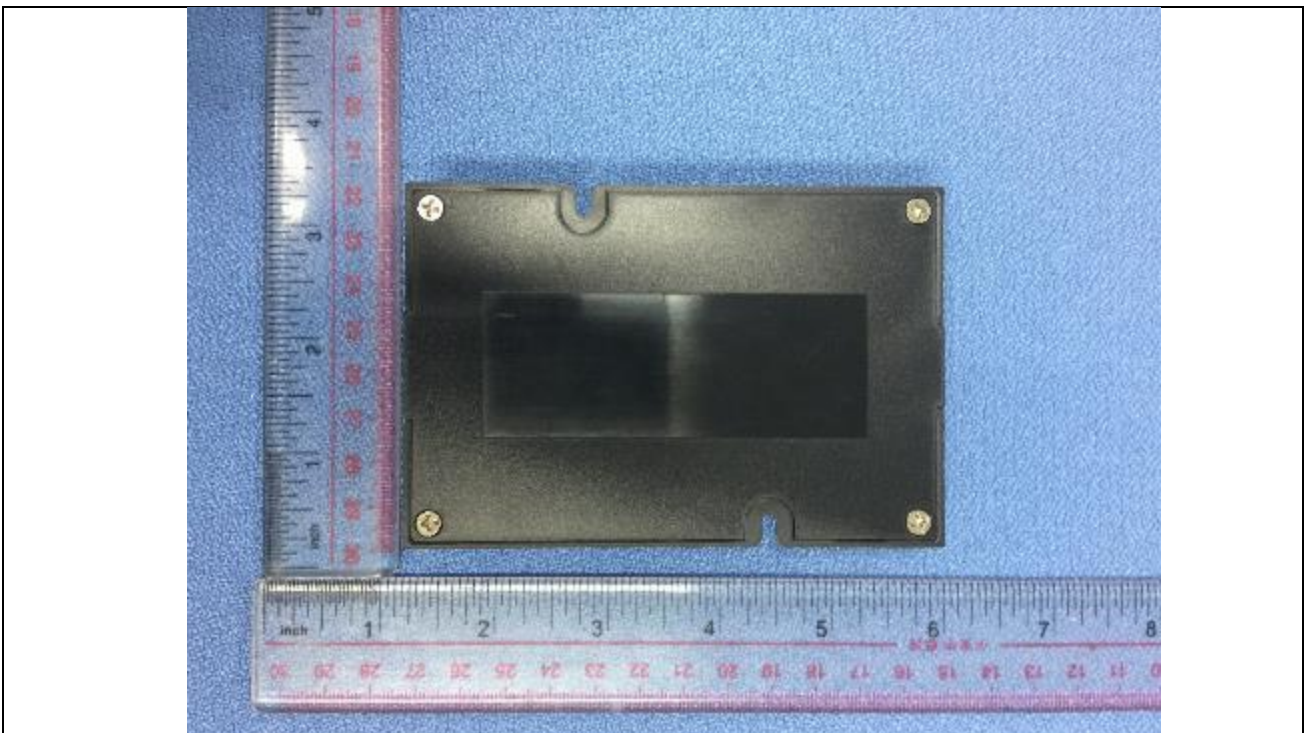
Details of: PCB layout view for JEDS040AP0240167V



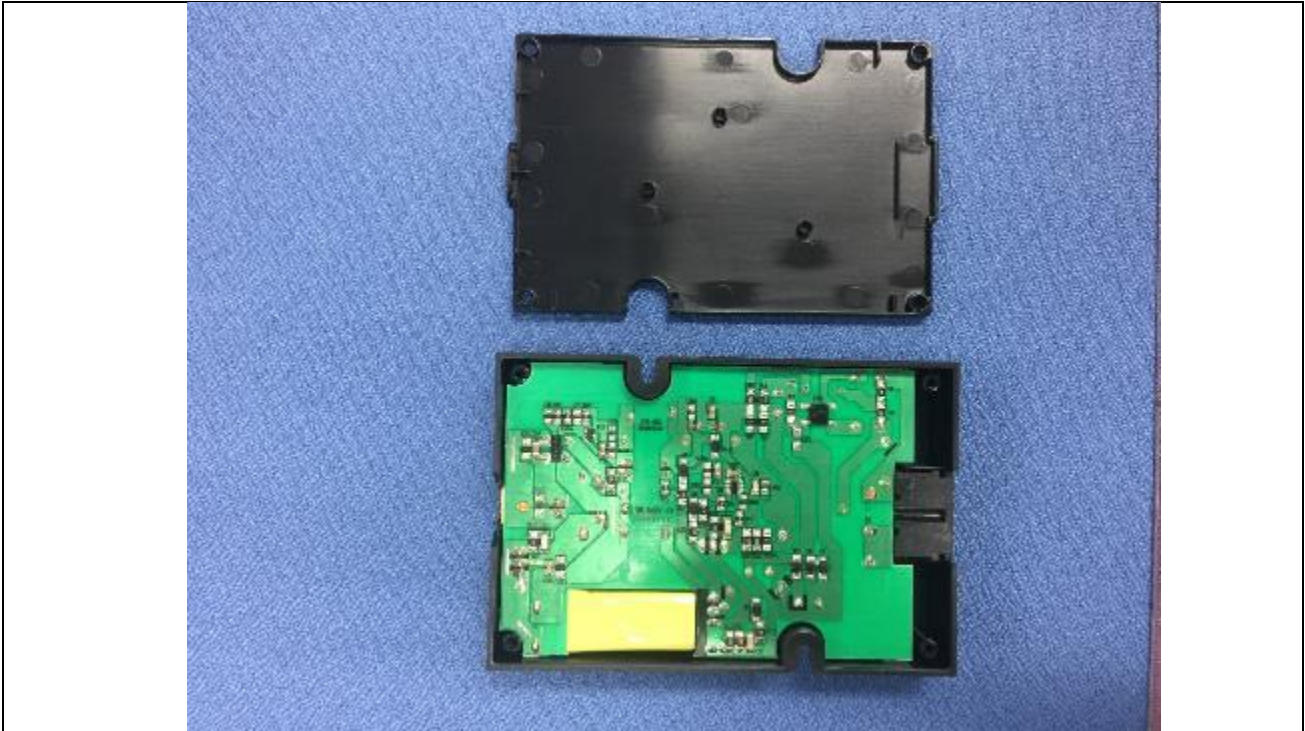
Details of: Outlook view for JEDS020BP0240083V



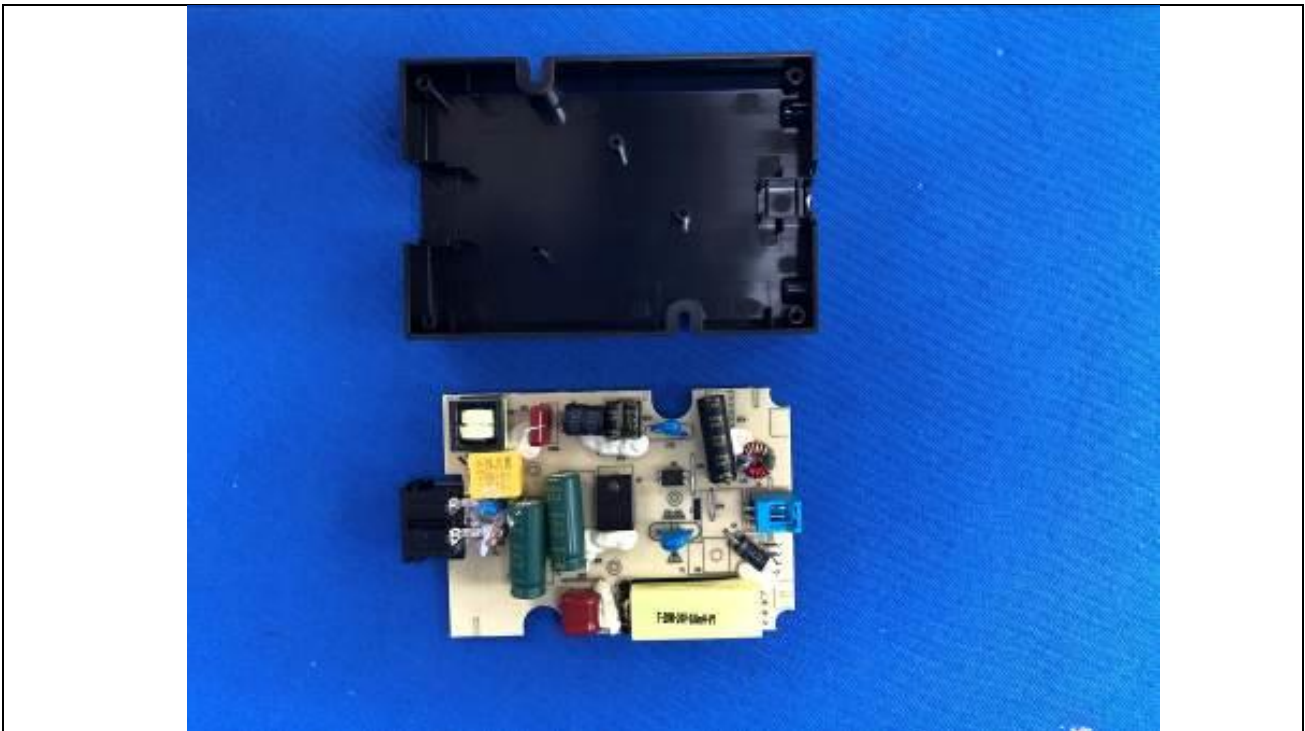
Details of: Outlook view for JEDS020BP0240083V



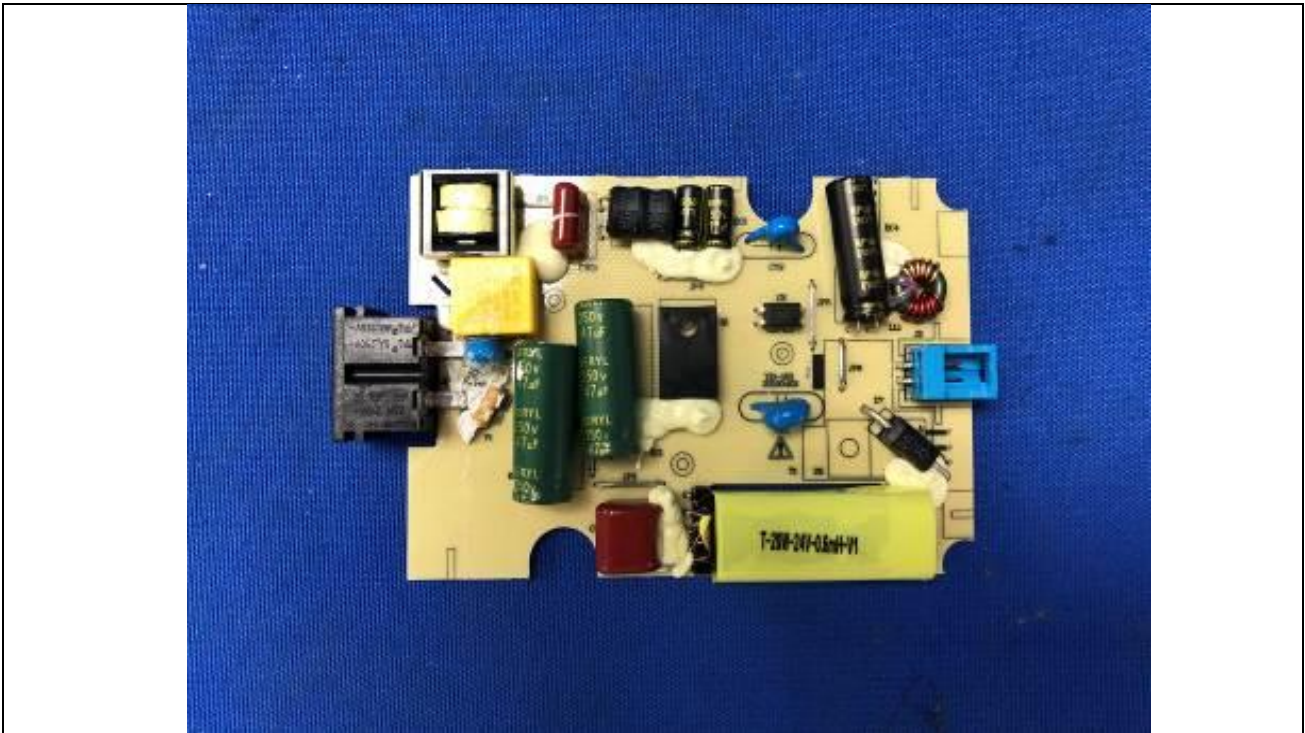
Details of: Internal view for JEDS020BP0240083V



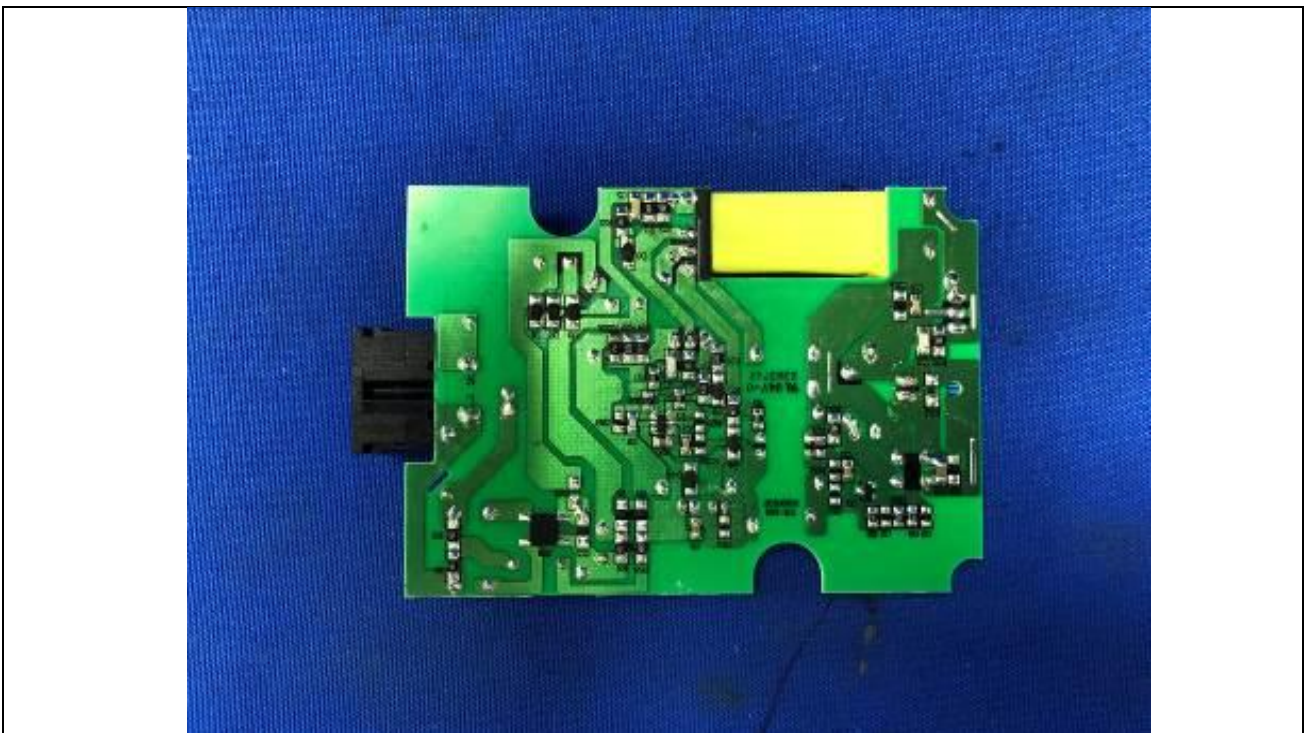
Details of: Internal view for JEDS020BP0240083V



Details of: PCB components view for JEDS020BP0240083V



Details of: PCB layout view for JEDS020BP0240083V



-- End of report --