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My Domotics by Covertec Design Srl Applicant

Address Via Domenico Fontana 53/A, Napoli, Italia

The submitted sample and sample information was/were submitted and identified by/on the behalf

of the client

Smart Switches Sample name

Type /model U6100-KG(01-03),U6101-KG(01-03),U6102-KG(01-03),

> U6103-KG(01-03),U6400-KG(01-03),U6401-KG(01-03), U6402-KG(01-03),U6403-KG(01-03),U6500-KG(01-03),

U6501-KG(01-03)

Serial No.

Manufacturer Shenzhen UOOZ Intelligent Technology Co., LTD

Sample received date Jun. 29, 2016

Jun. 29, 2016 to Jul. 08, 2016 Testing period

1. As specified by client, to screen Lead(Pb), Cadmium(Cd), Test requested

Mercury(Hg), Chromium(Cr) and Bromine(Br) in the submitted

sample(s) by XRF.

2. As specified by client, when screening results exceed the XRF screening limit in IEC 62321-3-1:2013, further use of chemical methods are required to test the Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr(VI)), Polybrominated Biphenyls(PBBs), Polybrominated Diphenyl Ethers(PBDEs) in the

submitted samples.

According to the RoHS Directive 2011/65/EU

Test Method: Please refer to the following page(s).

Test Result(s): Please refer to the following page(s).

400-003-0500 www.anbotek.com



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Test Method:

A. Screening test by XRF spectroscopy

XRF screening limits in mg/kg for regulated elements according to IEC 62321-3-1:2013.

Diek Wul	Limit of IEC 62321-3	Anbore MDL work			
Element	Polymers and metals Composite material		Polymers	Other material	
Pb	BL≤(700-3σ) <x <(1300+3σ)<br="">≤OL</x>	BL≤(500-3σ) <x <(1500+3σ)<br="">≤OL</x>	10 mg/kg	50 mg/kg	
Cd	BL≤(70-3σ) <x <(130+3σ)<br="">≤OL</x>	LOD≤(50-3σ) <x <(150+3σ)<br="">≤OL</x>	10 mg/kg	50 mg/kg	
Hg N	BL≤(700-3σ) <x <(1300+3σ)<br="">≤OL</x>	BL≤(500-3σ) <x <(1500+3σ)<br="">≤OL</x>	10 mg/kg	50 mg/kg	
Cr Cr	BL≤(700-3σ)< X	BL≤(500-3σ)< X	10 mg/kg	50 mg/kg	
Br	BL≤(300-3σ)< X	BL≤(250-3σ)< X	10 mg/kg	50 mg/kg	

Note:

- -BL = Under the XRF screening limit
- -OL = Further chemical test will be conducted while result is above the screening limit
- -X= The symbol "X" marks the region where further investigation is necessary
- -3σ= The reproducibility of analytical instruments
- -LOD= Detection limit

B. Chemical Test

Test Item(s)	Test Method	Measured Equipment(s)	MDL	otek Limit Aup
Lead (Pb)	IEC 62321-5:2013 Ed.1.0	ICP-OES	2 mg/kg	1000 mg/kg
Cadmium (Cd)	IEC 62321-5:2013 Ed.1.0	ICP-OES	2 mg/kg	100 mg/kg
Mercury (Hg)	IEC 62321-4:2013 Ed.1.0	ICP-OES	2 mg/kg	1000 mg/kg
Llaura albat Channellan Ca(VI)	IEC 62321-7-1:2015 Ed.1.0	UV-VIS	Inbote	1000 mg/kg
Hexavalent Chromium Cr(VI)	IEC 62321:2008 Ed.1 Annex C	UV-VIS	2 mg/kg	1000 mg/kg
Polybrominated Biphenyls (PBBs)	IEC 62321-6:2015 Ed.1.0	GC-MS	5 mg/kg	1000 mg/kg
Polybrominated Diphenyl Ethers (PBDEs)	IEC 62321-6:2015 Ed.1.0	GC-MS	5 mg/kg	1000 mg/kg



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Test Results:

Sample No.	Sample Description	Tested Items	XRF Screening Test Unit (mg/kg)	Chemical Test Unit (mg/kg)	Conclusion
potek	Anbo	potek Ppote	And tek BL abovek	Anbol	"Ofek
botek a Anbo	Class with	atek Cd above	Anbo BL hote	e Autore	Aup
A 1 ore	Glass with coating	And hotek	Anbot BL And	tek Tupotek	PASS
Anbore	Coating	Cr(Cr(VI))	K AND BL AND	Lek / botek	Anbore
	ok hotek	Br(PBBs&PBDEs)	BLIEF A	1,000 1 MILL	ek Anbote
SK V	Pur Vu	ek nhPbek Anb	BL otek	Anbote. Anb	otek Anb
otek	Disak plantia	Cdotok	upor BL stek	anbotek An	10, Vr
2 k	Black plastic	Hg	Aupoter BL Aupo	Prek	PASS
	frame	Cr(Cr(VI))	abote BL Anbot	K WILL OFFI	Anbotek
Anbore	Ann	Br(PBBs&PBDEs)	X Anbo	N.D.	potek
Anbo	YUD.	botePb Anbot	BLok	Dotek Wupon	k hotel
	Otek Anbor	Cd	A'BL A'	Potek Vupos	And
3	White plastic	Hg	botek Broote	An otek Aup	PASS
	shell	Cr(Cr(VI))	hotek BLAnbote	Vug Tek	bosek Ar
		Br(PBBs&PBDEs)	All Alek X anbotek	N.D.	" "otek
Anbotek	Aupo. K	Lotek Pb Anbote	And BL bot	K Moore	Vu.
	K Anbore	Am tekCd nbotek	Anbo BL An	otek Anbotes	Aupo
4	White label	And Hg	ek AUBL AU	tek I abote	PASS
Anb	tek shotek	Cr(Cr(VI))	otek Blooten	'upo Pk	cek Anbot
	upos y	Br(PBBs&PBDEs)	sek BL abotek	Auporen Augo	atek an
otek	Aupore Aug	Pbotek	Anbo BL BL hotek	Anboten Ar	los le
rek	AUPOSEK AL	Cd John	Anbort BL And	r Notek	Aupor
Anbotek 5	Yellow screw	Anbot Hg Hg hotek	AnboreBL Anbor	rek hotek	PASS
Aupo	iek Aupotek	Cr(Cr(VI))	K BEK Anb	Lus Ofek	upotek
Anbo	ocie. And	Br(PBBs&PBDEs)	A. Lotek A	upote. Yup	ek bote
K A'	Screw with black	Bbk Anb	PBL NOK	Anbotek Anbo	by.
otek 6		Cd	upotek Bhupe	botok An'	otek Anb
6	coating	Hg	nbotek BL Anbote	Andrek	PASS
6 nbotek	Coating	Cr(Cr(VI))	hotekX Anbore	Negative	Anbotek
abotek	Coating	Br(PBBs&PBDEs)	Aug Fee 200	SK Wpo.	An



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Sample No.	Sample Description	Tested Items	XRF Screening Test Unit (mg/kg)	Chemical Test Unit (mg/kg)	Conclusion
010	hotek Anbo	A Pb	botek BLanboten	Yupo I'k	botek Anb
nbotek	Anbotek Anbo	Cd	And tek BL abovek	Anbol	Lotek D
AnbZtek	Silver net	otek Hg nboten	Anbo BL hote	Anyore	PASS
Anbotel	Anbotek	Cr(Cr(VI))	Anbot BL Am	tek Inpoter	Anboto
	tek anbotek	Br(PBBs&PBDEs)	k Aupoles Aup	sek I spotek	Anbotek
VUp.	hotek Anbotek	Anbot Pb And	LOK BLOKEK A	1,000 N N NO	ek Aupose
COK A	por K An	Cd And	BL botek	Aupor / Aug	rek ab
80100	Gray collodion	Hgo ^{tok}	nbot BL Nek	Anbore An	PASS
	Anbotek Anh	Cr(Cr(VI))	Aupote BL Aup	blok	Anbore A
Anbotek	P. Potek	Br(PBBs&PBDEs)	nbote BL Anbot	K Diek	Anbotek
Vupo,	ek Anbotek	Anboren Pb Anbo	BE ANDO	Aug sek	Anbotek
Anbo	Sr Yupo	boteCd Anbot	LOD	Dotek Vupe	k Wirek
9	PCB board	Hg	A'BL LOK	potek / Aupor	PASS
	Anbotek Anbote	Cr(Cr(VI))	botek Brook	And And	otek Aupo
	Ant Otek Anb	Br(PBBs&PBDEs)	botek X Anbote	N.D.	obotek Ar
nbote	And	botek Pb/bot	All notes	Anboy	Anbotek
Anbotek	Aupo, V	hotek Cd Anbore	LOD	The Walls	Aur
10	Chip LED	And tekHg nbotek	Anbo BL And	otek Inbotes	PASS
	otek Anbotek	Cr(Cr(VI))	ek AUBL AU	sek / nbote	Anbore
Aup	tek spotek	Br(PBBs&PBDEs)	otek Xpotes	N.D.	lek Aupot
for b	400 Vr	ek AnPb An	sek BL abotek	Aupor / Au	sek ont
botek	Anbotek Anbo	Cd of the	Anbo K BL Lotek	Aupolo A	bo rek
11.7	Black terminal	Hg botek	Anbore BL And	k Notek	PASS
Anbore	Anborek	Cr(Cr(VI))	Anbote BL Anbo	lok I hotek	Aupote
Aupor	1000	Br(PBBs&PBDEs)	X X Mup	N.D.	nbotek
Anbo	potek Anbotek	Pb	BL tek	Pose I Vup	ak Anbore
ek .	Pose Yun	Cd And	LOD	Vupoter Vupo,	VK VIII
12	Chip capacitor	Hg	upotek BEupo	potok An'	PASS
	Anbotek Ant	Cr(Cr(VI))	abotek BL Anbote	Yes Itek	PASS
Anbotek	And	Br(PBBs&PBDEs)	hote BL Anbore	YUD FOR	Yun Potek



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Sample No.	Sample Description	Tested Items	XRF Screening Test Unit (mg/kg)	Chemical Test Unit (mg/kg)	Conclusion
oro P	notek Anbo	A Pb	otek BL, nboten	Ando	potek Anbo
Anbotek	Anbo Ar	Cd of	Lev LOD abovek	Anbor	otek or
13.ek	Chip resistor	otek Hg abotek	Anbo BL hote	e Autore	PASS
VI. Pose	Anbotek	Cr(Cr(VI))	Anbot BL Am	tek Tupotek	Anbore
Aug	tek upotek	Br(PBBs&PBDEs)	K AND BL AND	Lek botek	Anbore
Aup	ek botek	Anbor Pb And	LOK BLOKEN A	1,00 K	ek Anboten
otek A	por K Ans	Cd	LOD	Aupolo / Aug	tek noot
obot14	ICotek Aupor	Hgotek p	upor BL stek	Anbotek An	PASS
Up	upotek Ant	Cr(Cr(VI))	Aupoter Br Aupo	Prok	Anbore An
Anbotek	Potek.	Br(PBBs&PBDEs)	abote BL Anbote	K MINOSEK	Anbotek
Aupor	Y Crek	Anboten Pb Anbo	OL Anbo	27120*	Anbotek
Anbot	er Aups	bote Cd Anbot	BLok	potek / Anbe	k Wolek
15	Yellow metal	Hg	A BL	Potek Vupos	PASS
potek k.	botek Anbote	Cr(Cr(VI))	botek Brook	Anb Lotek Anb	otek Aupo
Por	Ans stek Aup	Br(PBBs&PBDEs)	hotek / Anbore	Vun Tek	abotek Anb
Anbore	Aun	botek Pb/por	All otek BL anbotek	Anbo	Anbotek A
nbotek	Aupo, V	Lotek Cd Anbore	LOD bott	K Wood	Ann
16	Black buzzer	And stekling spoten	And BL	otek Inbote	PASS
K VU.	otek Anbotek	Cr(Cr(VI))	ek ANBL AN	tek I abote	Anbor
Aug.	tek spotek	Br(PBBs&PBDEs)	BLore 1	'upo PK	lek Aupote.
otek p	upo K K.	ek AnPh An	tek BL abotek	Anbot	otek Anbo
Anbotek	Anbotek Anbo	Cd	LOD hotek	Anbolf Ar	ion is
17ek	Black capacitor	Hg botek	Anbor BL Am	r Noter	PASS
And	Anbotek	Cr(Cr(VI))	AnboteBL Anbo	LOK I botek	Anbore
Aupo	ck hoter	Br(PBBs&PBDEs)	K NO BEK AND	V Am	Anbotek
Anbo	botek Aupotek	Anbot Pb Anbo	BL tok	upose / Aup	sk Aupotek
stek Ar	poter Anbo	Cd	LOD	Aupotek Aupo	
18	Crystal oscillator	Hg	upotek Brupor	abotek An'	PASS
Anbotek	Anbotek Ant	Cr(Cr(VI))	nbotek BL Anbote	An Itek	PASS
Anbore	And	Br(PBBs&PBDEs)	Wotek Whote	And	ku, vapotek



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Sample No.	Sample Description	Tested Items	XRF Screening Test Unit (mg/kg)	Chemical Test Unit (mg/kg)	Conclusion
ore p	notek Anbo	A Pb	otek BL, nboten	Aupo	potek Anbo
Anbotek	MOSE AND	Cd Of	LOD Morell	Anbol	Lotek An
19	White chip	Hg nbotek	Anbo BL hote	r AUNOSE	PASS
Vi. Potel	capacitor	Cr(Cr(VI))	Anbot BL Am	tek Tupotek	Anbore
VUP.	tek abotek	Br(PBBs&PBDEs)	K AND BL AND	tek / botek	Aupole
AUP	ek botek	Anbor Pb And	tek Blotek A	1,por 1 km	sk aposes
OFEK A	Displaced a strain tip	Cd	LOD	Aupore / Aug	tek nbott
20	Black electrolytic	Hgotek p	upor BL Stek	Anbotek An	PASS
up	capacitor	Cr(Cr(VI))	Aupoter Br Aupo	prok	Anbore Ani
Aupotek	botek .	Br(PBBs&PBDEs)	nbote BL Anbot	r bull otek	Aupoter
Aupor	K Week	Anboten Pb Anbo	BL Aupo	Aug sek	Anbotek
Anbot	ek Aupo	Cd Anboo	LOD	potek / Anbe	k Workek
ex 21	Wingding	Hg	A'BL N	potek / Aupor	PASS
potek k.	inductor	Cr(Cr(VI))	botek Broom	And And	oter Aupo
Porc	Yuz Ofek Vup.	Br(PBBs&PBDEs)	hotek BLAnbore	Vun Tek	obotek Anb
Anbote	Ann	botek Pb/por	All otek BL anbotek	Anbo	hotek A
upotek	Aupo, ok	hotek Cd Anbore	LOD	K Moor	Anboro A
22	Green diode	And otek	And BL	otek Inbote	PASS
K VIII	otek Anbotek	Cr(Cr(VI))	ek AnBL An	tek I nbote	Anbor
AUD	tek spotek	Br(PBBs&PBDEs)	otek Bhotel	'upo Pak	lek Aupote.
otek p	upo K.	ek AnPh An	tek BL abotek	Aupor / Au	otek Anbo
Aupotek	Anbotek Anbo	Cd	LOD	Anbolf Ar	sek
23	Chip diode	Hg botek	Anbore BL Ame	r Worker	PASS
AUD	Anborek	Cr(Cr(VI))	Anbote BL Anbo	Lek Lotek	Anbore
Vupo.	ok hoter	Br(PBBs&PBDEs)	k pBEk Anb	I Notek	Aupolek
	botek Anbotek	Anbot Pb Anbo	BL tek	upote. Aug	ak abotek
		Cd ^k Anb	LOD	Anboten Anbo	ok Noge
24	Optocoupler	Hg	upotek Brupon	shotek An'	PASS
Anbotek	Anbotek Ant	Cr(Cr(VI))	nbotek BL Anbot	Aller	PASS
Anbore	And	Br(PBBs&PBDEs)	hotek X Anbore	N.D.	Yu.



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Sample No.	Sample Description	Tested Items	XRF Screening Test Unit (mg/kg)	Chemical Test Unit (mg/kg)	Conclusion
poter p	notek Anbo	A Pb	otek OL nbotek	25700**	Potek Mupo,
Anbotek	Anbo Al	Cd Cd	LOD Botek	Aupor	work an
25	Glass diode	atek Hg abotek	Anbo BL hotel	r VIAOLO	PASS
All hotel	Anbotek	Cr(Cr(VI))	Anbot BL Am	rek Inpoter	Anbore.
Aug	tek abotek	Br(PBBs&PBDEs)	K AND BL AND	ok / botek	Aupole
AUP	ek botek	Anbor Pb And	LOK BLOKEN A	1/20 K	ek Auposes
otek A	Townshal block of	Cd	BL work	Anbore / Anb	tek nbot
26	Terminal black	Hgotek p	upor BL stek	Anbotek An	PASS
Up	plastic	Cr(Cr(VI))	Aupoter BL Aupo	blek	Aupolo Aus
Aupotek	botek .	Br(PBBs&PBDEs)	abotek X Anbo	N.D.	anboter !
Aupo	K Week	Anboten Pb Anbo	BL Anbo	Augustek	Anbotek
Anbot	er Aups	Cd Market	BLok	DOJOK / WUDO	k ki potek
× 27	Pin	Hg	A'BL A'	potek / Aupor	PASS
botek	hotek Anbote	Cr(Cr(VI))	botek Broom	And Major	otek Anbo
Porc	Yuz Ofek Vup.	Br(PBBs&PBDEs)	hotek / Anbore	ALL TOK	abotek Anb
Aupote	Ann	botek Pb/por	All otek BL anbotek	Anbo	Anbotek A
nbotek	Aupo, ok	hotek Cd Anbore	LOD	K Moor	Ann
28	Chip resistor	And otek	And BL	otek Inbote	PASS
K All.	otek Anbotek	Cr(Cr(VI))	ek AnBL An	tek / nbote	Anbor
Anb	tek spotek	Br(PBBs&PBDEs)	otek Bhotes	'upo Pak	cek Aupore.
otek p	upo K.	ek AnPh An	tek BL abotek	Anbor / All	otek Anboi
Anbotek	Anbotek Anbo	Cd of State	LOD	Anborg Ar	eek
29	Chip audion	Hg botek	Anboro BL Ans	r Work	PASS
AUR	Anbotek	Cr(Cr(VI))	AnboteBL Anbo	Lek Lotek	Anbore
Anbo	ek hoter	Br(PBBs&PBDEs)	k aboX k Anb	N.D.	Aupolek
K Anbo	Potek Vupotek	Anbot Pb Anbo	BL tek	upore / Aug	ak Anbotek
stek Ar	botek Anbote	Cd ^k Anb	BL NOW	Auposen Aupo	
30	Soldering tin	Hg	upotek Brupor	abotek An'	1 / 100
Anbotek Anbotek	Anbotek Ant	Cr(Cr(VI))	nbotek BL Anbot	Leek	inbotek Anb
Anbore	Ann	Br(PBBs&PBDEs)	Motek / Anbore	And	Yu.



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Note:

- -MDL = Method Detection Limit
- -N.D. = Not Detected (<MDL)
- -mg/kg = ppm = parts per million
- -Negative = Absence of Cr(VI), the detected Cr(VI) concentration in the boiling water extraction solution is less than 0.02 mg/kg with $50cm^2$ sample surface area used.
- -Positive = Presence of Cr(VI), the detected Cr(VI) concentration in the boiling water extraction solution is equal to or greater than 0.02 mg/kg with 50cm² sample surface area used.
- -27120*= According to the customer statement, samples to the EU RoHS directive 2011/65/EU and 2011/534/EU exemption No. 6(C): Copper alloy containing up to 4% lead by weight.
- -25700**= According to the customer statement, samples to the EU RoHS directive 2011/65/EU and 2011/534/EU exemption No. 7(c)-I: Containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound.

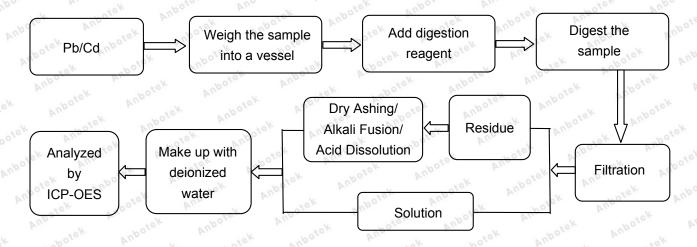
Remark:

- The screening results are only used for reference.
- When conducting the test for PBBs&PBDEs, XRF was introduced to screen Br Exclusively; When conducting the test for Hexavalent Chromium, XRF was introduced to screen Chromium exclusively.

Test Process:

The sample(s) had been dissolved totally tested for Lead, Cadmium, Mercury.

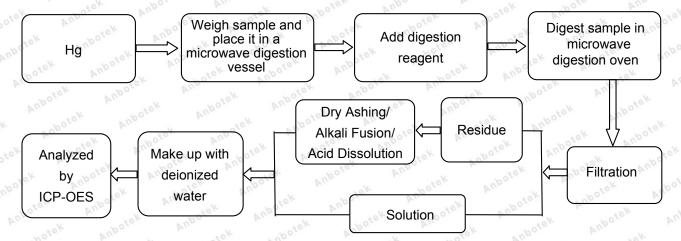
◆ IEC 62321-5:2013 Ed.1.0



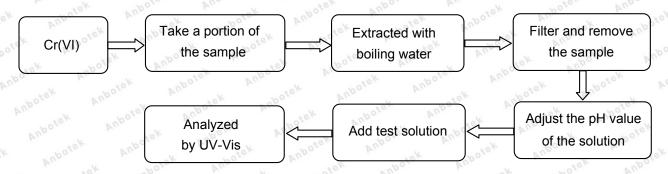


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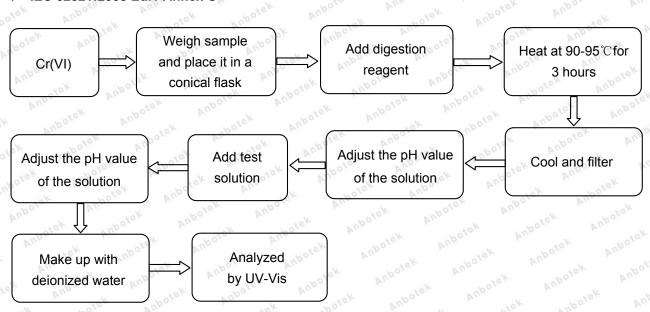
♦ IEC 62321-4:2013 Ed.1.0



◆ IEC 62321-7-1:2015 Ed.1.0



♦ IEC 62321:2008 Ed.1 Annex C



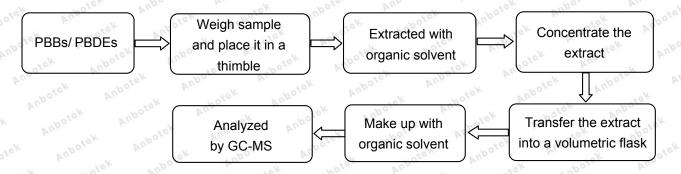






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♦ IEC 62321-6:2015 Ed.1.0



Photograph of Sample



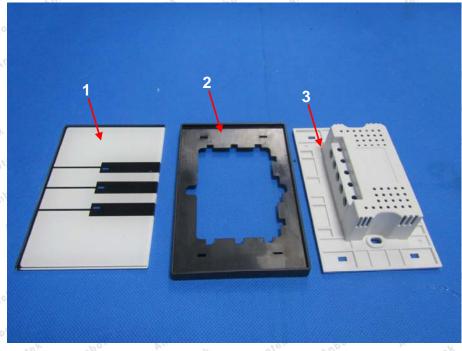


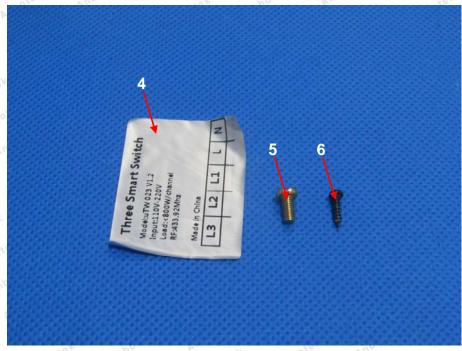
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Photo(s) of the tested component(s)

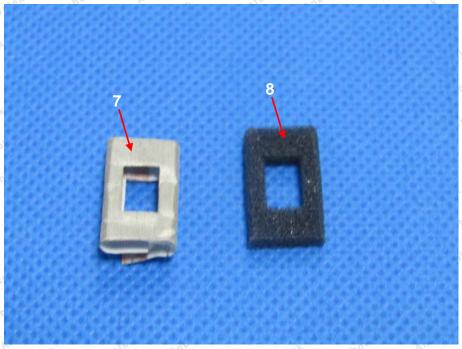






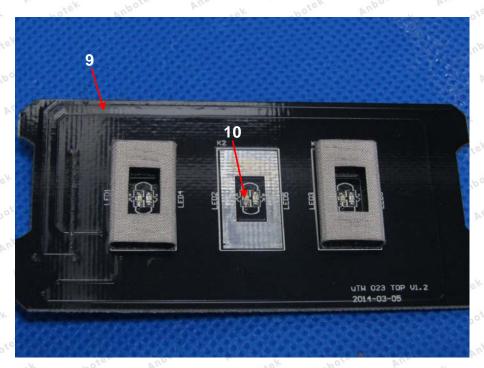
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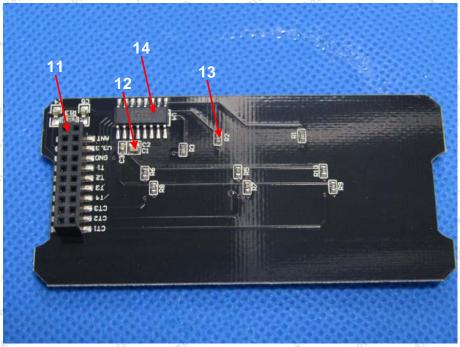






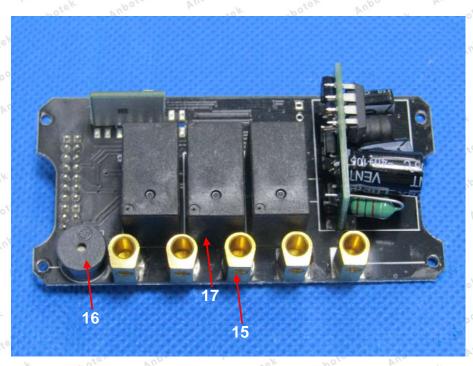
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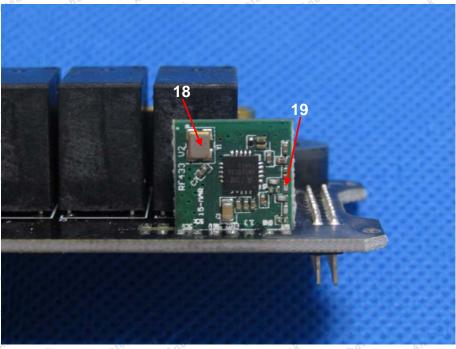






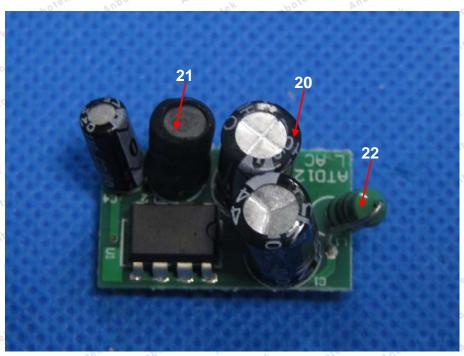
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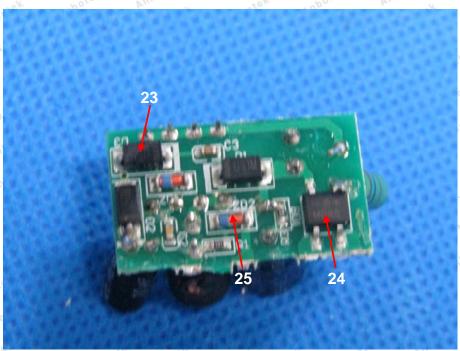






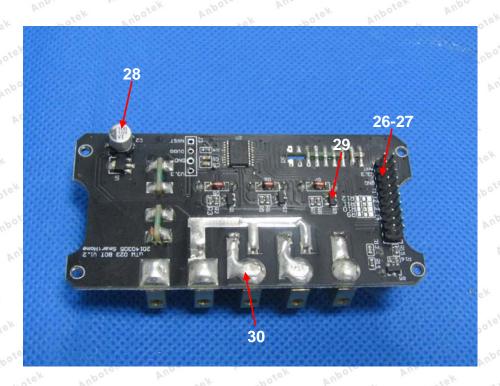
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***** End of Report *****

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