



Test Report

Report No.: CX/2014/10107A

Date: 2014/03/13

HIWIN MIKROSYSTEM CORP.
NO. 7, JINGKE RD., NANTUN DISTRICT, TAICHUNG CITY 40852, TAIWAN

The following sample(s) was/were submitted and identified by/on behalf of the applicant as :

Sample Submitted By : HIWIN MIKROSYSTEM CORP.
Sample Description : AC SERVO DRIVE
Style/Item No. : D2-01xx-x-xx
Sample Receiving Date : 2013/10/23, 2013/11/20, 2013/12/18 and 2014/01/28
Testing Period : 2013/10/23 to 2013/11/12, 2013/11/20 to 2013/11/29, 2013/12/18 to 2013/12/20 and 2014/01/28 to 2014/02/07

Test Result(s) : Please refer to next page(s).

Conclusion : Based upon the performed tests by submitted samples, the test results comply with the limits of RoHS Directive 2011/65/EU with the exempted materials below according to the declaration from applicant (Directive 2002/95/EC being recast by Directive 2011/65/EU):

1. SILVER COLORED METALLIC NUT (No.2.3) in Table 1: Lead (Pb)
("6(c), Copper alloy containing up to 4% lead by weight" in Directive 2011/65/EU)
2. ELECTRONIC COMPONENT (No.2.18, No.2.29~No.2.32) in Table 1: Lead (Pb)
("7(a), Lead in high melting temperature type solders (i.e. lead- based alloys containing 85% by weight or more lead)" in Directive 2011/65/EU)
3. ELECTRONIC COMPONENT (No.6) in Table 7: Lead (Pb)
("7(c)- I , Electrical and electronic components 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" in Directive 2011/65/EU)


Ellis Wei, Ph.D. / Supervisor
Signed for and on behalf of
SGS TAIWAN LTD.
Chemical Laboratory - Taipei

* This report is combined with reports of CE/2013/C3154, CX/2013/A0259 and CX/2014/10107 *

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1. Material Fraction Composition

Table 1 The results of XRF screening and chemical test (Unit: mg/kg)





No.	Type of Components	Description	Figure	MDL Category	X-ray Screening		UV	ICP-AES	GC-MS	Note
					Element	Data	Cr (VI)	Pb/Cd/Hg	PBB/PBDE	
1	CASE	1.1 SILVER COLORED LABEL WITH BLACK PRINT (CX/2013/A0259 No.1.1)		Polymers	Pb	n.d.	---	---	---	
					Cd	n.d.		---		
					Hg	n.d.		---		
					Cr	n.d.		---		
					Br	n.d.		---		
					Cr(VI)	---		---		
	CASE	1.2 SILVER COLORED METALLIC SCREW (CX/2013/A0259 No.1.2)		Metals	Pb	n.d.	Positive	---	---	*3
					Cd	n.d.		---		
					Hg	n.d.		---		
					Cr	5240		---		
					Br	n.d.		---		
					Cr(VI)	---		---		
	CASE	1.2 PLATING LAYER OF SILVER COLORED METAL SCREW (CE/2013/C3154 No.1)		Metals	Pb	---	363	---	---	*5
					Cd	---		---		
					Hg	---		---		
					Cr	---		---		
					Br	---		---		
					Cr(VI)	---		---		

No.	Type of Components	Description		Figure	MDL Category	X-ray Screening		UV	ICP-AES	GC-MS	Note
						Element	Data	Cr (VI)	Pb/Cd/Hg	PBB/PBDE	
1	CASE	1.3	SILVER COLORED METALLIC WASHER (CX/2013/A0259 No.1.3)		Metals	Pb	n.d.	Positive	---		*3
						Cd	n.d.		---		
						Hg	n.d.		---		
						Cr	7340				
						Br	n.d.				
						Cr(VI)					
						PBB					
						PBDE					
		1.3	PLATING LAYER OF SILVER COLORED METAL WASHER (CE/2013/C3154 No.3)		Metals	Pb	---	364	---		*5
						Cd	---		---		
						Hg	---		---		
						Cr	---				
						Br	---				
						Cr(VI)					
						PBB					
						PBDE					
	1.4	SILVER COLORED METALLIC WASHER (CX/2013/A0259 No.1.4)		Metals	Pb	n.d.	Positive	---		*3	
					Cd	n.d.		---			
					Hg	n.d.		---			
					Cr	7600					
					Br	n.d.					
					Cr(VI)						
					PBB						
					PBDE						
		1.4	PLATING LAYER OF SILVER COLORED METAL WASHER (CE/2013/C3154 No.2)		Metals	Pb	---	386	---		*5
						Cd	---		---		
						Hg	---		---		
						Cr	---				
						Br	---				
						Cr(VI)					
						PBB					
						PBDE					

Test Report

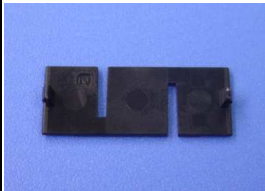






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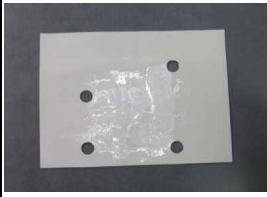

No.	Type of Components	Description		Figure	MDL Category	X-ray Screening		UV	ICP-AES	GC-MS	Note
						Element	Data	Cr (VI)	Pb/Cd/Hg	PBB/PBDE	
1	CASE	1.5	WHITE LABEL WITH BLACK PRINT (CX/2013/A0259 No.1.5)		Polymers	Pb	n.d.		---		
						Cd	n.d.		---		
		Hg	n.d.	---							
		Cr	n.d.								
		Br	n.d.								
		Cr(VI)									
		PBB		---							
		PBDE		---							
		1.6	BLACK METALLIC SCREW (CX/2013/A0259 No.1.6)		Metals	Pb	n.d.		---		
						Cd	n.d.		---		
		Hg	n.d.	---							
		Cr	n.d.								
		Br	n.d.								
		Cr(VI)									
		PBB		---							
		PBDE		---							
		1.7	BLACK/GREEN LABEL (CX/2013/A0259 No.1.7)		Polymers	Pb	n.d.		---		
						Cd	n.d.		---		
		Hg	n.d.	---							
		Cr	n.d.								
		Br	n.d.								
		Cr(VI)									
		PBB		---							
		PBDE		---							
1.8	BEIGE PLASTIC FRAME (CX/2013/A0259 No.1.8)		Polymers	Pb	n.d.		---				
				Cd	n.d.		---				
Hg	n.d.	---									
Cr	n.d.										
Br	705										
Cr(VI)											
PBB		---									
PBDE			n.d.								
			n.d.								





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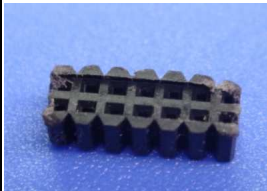
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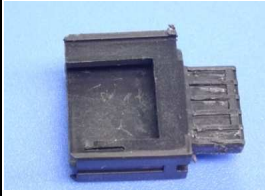

No.	Type of Components	Description		Figure	MDL Category	X-ray Screening		UV	ICP-AES	GC-MS	Note
						Element	Data	Cr (VI)	Pb/Cd/Hg	PBB/PBDE	
1	CASE	1.9	BLACK PLASTIC CAP (CX/2013/A0259 No.1.9)		Polymers	Pb	n.d.		---		
						Cd	n.d.		---		
						Hg	n.d.		---		
						Cr	n.d.				
						Br	n.d.				
						Cr(VI)		---			
						PBB				---	
						PBDE			---		
		1.10.1	IVORY PLASTIC FRAME (CX/2013/A0259 No.1.10.1)		Polymers	Pb	n.d.		---		
						Cd	n.d.		---		
						Hg	n.d.		---		
						Cr	n.d.				
						Br	n.d.				
						Cr(VI)		---			
						PBB				---	
						PBDE			---		
		1.10.2	IRON COLORED METALLIC LEAF SPRING (CX/2013/A0259 No.1.10.2)		Metals	Pb	n.d.		---		
						Cd	n.d.		---		
						Hg	n.d.		---		
						Cr	175000				
						Br	n.d.				
						Cr(VI)		Negative			
						PBB				---	
						PBDE			---		
		1.10.3	SILVER COLORED METALLIC PIN (CX/2013/A0259 No.1.10.3)		Metals	Pb	n.d.		---		
						Cd	n.d.		---		
						Hg	n.d.		---		
						Cr	n.d.				
						Br	n.d.				
						Cr(VI)		---			
						PBB				---	
						PBDE			---		



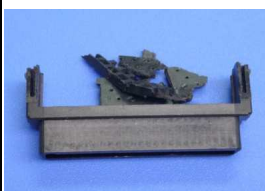


No.	Type of Components	Description		Figure	MDL Category	X-ray Screening		UV	ICP-AES	GC-MS	Note
						Element	Data	Cr (VI)	Pb/Cd/Hg	PBB/PBDE	
1	CASE	1.11	BLACK PLASTIC CASE (CX/2013/A0259 No.1.11)		Polymers	Pb	n.d.		---		
						Cd	n.d.		---		
						Hg	n.d.		---		
						Cr	n.d.				
						Br	n.d.				
						Cr(VI)					
						PBB			---		
						PBDE			---		
		1.12	BLACK METALLIC SCREW (CX/2013/A0259 No.1.12)		Metals	Pb	n.d.		---		
						Cd	n.d.		---		
						Hg	n.d.		---		
						Cr	n.d.				
						Br	n.d.				
						Cr(VI)					
						PBB			---		
						PBDE			---		
		1.13	BRASS METALLIC SCREW (CX/2013/A0259 No.1.13)		Metals	Pb	380		---		
						Cd	n.d.		---		
						Hg	n.d.		---		
						Cr	n.d.				
						Br	n.d.				
						Cr(VI)					
						PBB			---		
						PBDE			---		
		1.14	SILVER COLORED METALLIC SCREW (CX/2013/A0259 No.1.14)		Metals	Pb	n.d.		---		
						Cd	n.d.		---		
						Hg	n.d.		---		
						Cr	164				
						Br	n.d.				
						Cr(VI)					
						PBB			---		
						PBDE			---		






No.	Type of Components	Description		Figure	MDL Category	X-ray Screening		UV	ICP-AES	GC-MS	Note
						Element	Data	Cr (VI)	Pb/Cd/Hg	PBB/PBDE	
1	CASE	1.15	SILVER COLORED METALLIC WASHER (CX/2013/A0259 No.1.15)		Metals	Pb	n.d.		---		
						Cd	n.d.		---		
						Hg	n.d.		---		
						Cr	n.d.		---		
						Br	n.d.				
						Cr(VI)		---			
						PBB				---	
						PBDE				---	
		1.16	SILVER COLORED METALLIC WASHER (CX/2013/A0259 No.1.16)		Metals	Pb	n.d.		---		
						Cd	n.d.		---		
						Hg	n.d.		---		
						Cr	n.d.		---		
						Br	n.d.				
						Cr(VI)		---			
						PBB				---	
						PBDE				---	
		1.17	GRAY POLYMER FILM (CX/2013/A0259 No.1.17)		Polymers	Pb	n.d.		---		
						Cd	n.d.		---		
						Hg	n.d.		---		
						Cr	n.d.		---		
						Br	n.d.				
						Cr(VI)		---			
						PBB				---	
						PBDE				---	
		1.18	BLACK PLASTIC SHEET (CX/2013/A0259 No.1.18)		Polymers	Pb	n.d.		---		
						Cd	n.d.		---		
						Hg	n.d.		---		
						Cr	n.d.		---		
						Br	70300				
						Cr(VI)		---			
						PBB				n.d.	
						PBDE				n.d.	






No.	Type of Components	Description		Figure	MDL Category	X-ray Screening		UV	ICP-AES	GC-MS	Note
						Element	Data	Cr (VI)	Pb/Cd/Hg	PBB/PBDE	
1	CASE	1.19	SILVER COLORED METALLIC NUT (CX/2013/A0259 No.1.19)		Metals	Pb	n.d.	Negative	---	---	
						Cd	n.d.		---		
						Hg	n.d.		---		
						Cr	573				
						Br	n.d.				
						Cr(VI)					
						PBB				---	
						PBDE				---	
		1.20	SILVER COLORED METALLIC CASE (CX/2014/10107 No.1.1)		Metals	Pb	n.d.		---	---	
						Cd	n.d.		---		
						Hg	n.d.		---		
						Cr	n.d.				
						Br	n.d.				
						Cr(VI)		---			
						PBB				---	
						PBDE				---	
2	PCBA	2.1	PCBA (CX/2013/A0259 No.2.1)		Composite Material	Pb	---		---	---	Refer to Table 2~3
						Cd	---		---		
						Hg	---		---		
						Cr	---				
						Br	---				
						Cr(VI)		---			
						PBB				---	
						PBDE				---	
		2.2	WHITE LABEL WITH BLACK PRINT (CX/2013/A0259 No.2.2)		Polymers	Pb	n.d.		---	---	
						Cd	n.d.		---		
						Hg	n.d.		---		
						Cr	n.d.				
						Br	n.d.				
						Cr(VI)		---			
						PBB				---	
						PBDE				---	





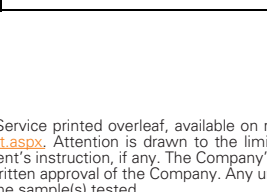

No.	Type of Components	Description		Figure	MDL Category	X-ray Screening		UV	ICP-AES	GC-MS	Note
						Element	Data	Cr (VI)	Pb/Cd/Hg	PBB/PBDE	
2	PCBA	2.3	SILVER COLORED METALLIC NUT (CX/2013/A0259 No.2.3)		Metals	Pb	17400	---	*2	---	
						Cd	n.d.		---		
						Hg	n.d.		---		
						Cr	n.d.				
						Br	n.d.				
						Cr(VI)					
						PBB				---	
						PBDE				---	
		2.4	BLACK PLASTIC HOUSING (CX/2013/A0259 No.2.4)		Polymers	Pb	n.d.	---	---	---	
						Cd	n.d.		---		
						Hg	n.d.		---		
						Cr	n.d.				
						Br	70300				
						Cr(VI)					
						PBB				n.d.	
						PBDE				n.d.	
		2.5	GOLDEN COLORED METALLIC PIN (CX/2013/A0259 No.2.5)		Metals	Pb	n.d.	---	---	---	
						Cd	n.d.		---		
						Hg	n.d.		---		
						Cr	n.d.				
						Br	n.d.				
						Cr(VI)					
						PBB				---	
						PBDE				---	
		2.6	BLACK PLASTIC HOUSING (CX/2013/A0259 No.2.6)		Polymers	Pb	n.d.	---	---	---	
						Cd	n.d.		---		
						Hg	n.d.		---		
						Cr	n.d.				
						Br	9070				
						Cr(VI)					
						PBB				n.d.	
						PBDE				n.d.	





No.	Type of Components	Description		Figure	MDL Category	X-ray Screening		UV	ICP-AES	GC-MS	Note
						Element	Data	Cr (VI)	Pb/Cd/Hg	PBB/PBDE	
2		2.7	GOLDEN COLORED METALLIC PIN (CX/2013/A0259 No.2.7)		Metals	Pb	n.d.		---		
						Cd	n.d.		---		
						Hg	n.d.		---		
						Cr	n.d.				
						Br	n.d.				
						Cr(VI)					
						PBB			---		
						PBDE			---		
		2.8.1	SILVER COLORED METALLIC FRAME (CX/2013/A0259 No.2.8.1)		Metals	Pb	n.d.		---		
						Cd	n.d.		---		
						Hg	n.d.		---		
						Cr	n.d.				
						Br	n.d.				
						Cr(VI)					
						PBB			---		
						PBDE			---		
		2.8.2	BLACK PLASTIC HOUSING (CX/2013/A0259 No.2.8.2)		Polymers	Pb	n.d.		---		
						Cd	n.d.		---		
						Hg	n.d.		---		
						Cr	n.d.				
						Br	53200				
						Cr(VI)					
						PBB			n.d.		
						PBDE			n.d.		
		2.8.3	GOLDEN COLORED METALLIC PIN (CX/2013/A0259 No.2.8.3)		Metals	Pb	n.d.		---		
						Cd	n.d.		---		
						Hg	n.d.		---		
						Cr	n.d.				
						Br	n.d.				
						Cr(VI)					
						PBB			---		
						PBDE			---		





No.	Type of Components	Description		Figure	MDL Category	X-ray Screening		UV	ICP-AES	GC-MS	Note
						Element	Data	Cr (VI)	Pb/Cd/Hg	PBB/PBDE	
2		2.9.1	SILVER COLORED METALLIC FRAME (CX/2013/A0259 No.2.9.1)		Metals	Pb	n.d.		---		
						Cd	n.d.		---		
						Hg	n.d.		---		
						Cr	n.d.				
						Br	n.d.				
						Cr(VI)		---			
						PBB				---	
						PBDE		---			
		2.9.2	BLACK PLASTIC HOUSING (CX/2013/A0259 No.2.9.2)		Polymers	Pb	n.d.		---		
						Cd	n.d.		---		
						Hg	n.d.		---		
						Cr	n.d.				
						Br	44300				
						Cr(VI)		---			
						PBB				n.d.	
						PBDE		n.d.			
		2.9.3	SILVER COLORED METALLIC PAD (CX/2013/A0259 No.2.9.3)		Metals	Pb	544		854		
						Cd	n.d.		---		
						Hg	n.d.		---		
						Cr	n.d.				
						Br	n.d.				
						Cr(VI)		---			
						PBB				---	
						PBDE		---			
		2.9.4	GOLDEN/SILVER COLORED METALLIC PIN (CX/2013/A0259 No.2.9.4)		Metals	Pb	n.d.		---		
						Cd	n.d.		---		
						Hg	n.d.		---		
						Cr	n.d.				
						Br	n.d.				
						Cr(VI)		---			
						PBB				---	
						PBDE		---			







No.	Type of Components	Description		Figure	MDL Category	X-ray Screening		UV	ICP-AES	GC-MS	Note	
						Element	Data	Cr (VI)	Pb/Cd/Hg	PBB/PBDE		
2		2.10.1	SILVER COLORED METALLIC CLAMP (CX/2013/A0259 No.2.10.1)		Metals	Pb	n.d.		---			
						Cd	n.d.		---			
						Hg	n.d.		---			
						Cr	n.d.					
						Br	n.d.					
						Cr(VI)						---
						PBB						
						PBDE						---
		2.10.2	BLACK PLASTIC HOUSING (CX/2013/A0259 No.2.10.2)		Polymers	Pb	n.d.		---			
						Cd	n.d.		---			
						Hg	n.d.		---			
						Cr	n.d.					
						Br	36500					
						Cr(VI)						---
						PBB						
						PBDE						n.d.
		2.10.3	SILVER COLORED METALLIC PIN (CX/2013/A0259 No.2.10.3)		Metals	Pb	n.d.		---			
						Cd	n.d.		---			
						Hg	n.d.		---			
						Cr	n.d.					
						Br	n.d.					
						Cr(VI)						---
						PBB						
						PBDE						---
		2.11	PCBA (CX/2013/A0259 No.2.11)		Composite Material	Pb	---		---		Refer to Table 4	
						Cd	---		---			
						Hg	---		---			
						Cr	---					
						Br	---					
						Cr(VI)						---
						PBB						
						PBDE						---






No.	Type of Components	Description		Figure	MDL Category	X-ray Screening		UV	ICP-AES	GC-MS	Note	
						Element	Data	Cr (VI)	Pb/Cd/Hg	PBB/PBDE		
2		2.12	ELECTRONIC COMPONENT (CX/2013/A0259 No.2.12)		Composite Material	Pb	n.d.		---			
						Cd	n.d.		---			
						Hg	n.d.		---			
						Cr	n.d.		---			
						Br	34600					
						Cr(VI)						
						PBB				n.d.		
						PBDE				n.d.		
		2.13	ELECTRONIC COMPONENT (CX/2014/10107 No.1.4)		Composite Material	Pb	n.d.		---			
						Cd	n.d.		---			
						Hg	n.d.		---			
						Cr	1380		---			
						Br	n.d.	n.d.				
						Cr(VI)						
						PBB				---		
						PBDE				---		
		2.14	ELECTRONIC COMPONENT (CX/2013/A0259 No.2.14)		Composite Material	Pb	n.d.		---			
						Cd	n.d.		---			
						Hg	n.d.		---			
						Cr	354		---			
						Br	n.d.					
						Cr(VI)						
						PBB				---		
						PBDE				---		
		2.15	ELECTRONIC COMPONENT (CX/2013/A0259 No.2.15)		Composite Material	Pb	n.d.		---			
						Cd	85		n.d.			
						Hg	n.d.		---			
						Cr	419		---			
						Br	159					
						Cr(VI)						
						PBB				---		
						PBDE				---		






No.	Type of Components	Description		Figure	MDL Category	X-ray Screening		UV	ICP-AES	GC-MS	Note
						Element	Data	Cr (VI)	Pb/Cd/Hg	PBB/PBDE	
2	PCBA	2.16	ELECTRONIC COMPONENT (CX/2013/A0259 No.2.16)		Composite Material	Pb	n.d.	---	---	---	
						Cd	n.d.		---		
						Hg	n.d.		---		
						Cr	n.d.		---		
		2.17	BLACK PLASTIC SHEET (CX/2013/A0259 No.2.17)		Polymers	Br	n.d.	---	---	---	
						Cr(VI)			---		
						PBB			---		
						PBDE			---		
		2.18	ELECTRONIC COMPONENT (CX/2013/A0259 No.2.18)		Composite Material	Pb	80500	n.d.	*2	---	
						Cd	127		n.d.		
						Hg	n.d.		---		
						Cr	3780		---		
		2.19	ELECTRONIC COMPONENT (CX/2013/A0259 No.2.19)		Composite Material	Br	n.d.	---	---	---	
						Cr(VI)			---		
						PBB			---		
						PBDE			---		
		2.19	ELECTRONIC COMPONENT (CX/2013/A0259 No.2.19)		Composite Material	Pb	n.d.	---	---	---	
						Cd	n.d.		---		
						Hg	n.d.		---		
						Cr	n.d.		---		
		2.19	ELECTRONIC COMPONENT (CX/2013/A0259 No.2.19)		Composite Material	Br	6860	---	---	---	
						Cr(VI)			---		
						PBB			---		
						PBDE			---		

No.	Type of Components	Description		Figure	MDL Category	X-ray Screening		UV	ICP-AES	GC-MS	Note
						Element	Data	Cr (VI)	Pb/Cd/Hg	PBB/PBDE	
2	PCBA	2.20	ELECTRONIC COMPONENT (CX/2013/A0259 No.2.20)		Composite Material	Pb	n.d.	n.d.	---	---	
						Cd	n.d.		---		
		2.21.1	WHITE LABEL WITH BLACK PRINT (CX/2014/10107 No.1.2.1)		Polymers	Hg	n.d.	---	---	---	
						Cr	n.d.		---		
		2.21.2	BROWN POLYMER COVER WITH WHITE PRINT (CX/2014/10107 No.1.2.2)		Polymers	Br	n.d.	---	---	---	
						Cr(VI)	n.d.		---		
		2.21.3	SILVER COLORED METALLIC COVER (CX/2014/10107 No.1.2.3)		Metals	PBB	n.d.	---	---	---	
						PBDE	n.d.		---		

No.	Type of Components	Description		Figure	MDL Category	X-ray Screening		UV	ICP-AES	GC-MS	Note
						Element	Data	Cr (VI)	Pb/Cd/Hg	PBB/PBDE	
2	PCBA	2.21.4	YELLOW TRANSLUCENT FILM (CX/2014/10107 No.1.2.4)		Polymers	Pb	n.d.		---		
						Cd	n.d.		---		
						Hg	n.d.		---		
						Cr	n.d.		---		
		2.21.5	GRAY METALLIC FOIL (CX/2014/10107 No.1.2.5)		Metals	Br	n.d.		---		
						Cr(VI)			---		
						PBB			---		
						PBDE			---		
		2.21.6	GRAY METALLIC FOIL (CX/2014/10107 No.1.2.6)		Metals	Pb	n.d.		---		
						Cd	n.d.		---		
						Hg	n.d.		---		
						Cr	n.d.		---		
		2.21.7	BROWN FILM (CX/2014/10107 No.1.2.7)		Polymers	Br	n.d.		---		
						Cr(VI)			---		
						PBB			---		
						PBDE			---		

No.	Type of Components	Description		Figure	MDL Category	X-ray Screening		UV	ICP-AES	GC-MS	Note	
						Element	Data	Cr (VI)	Pb/Cd/Hg	PBB/PBDE		
2	PCBA 	2.21.8	SILVER COLORED METALLIC PIN (CX/2014/10107 No.1.2.8)		Metals	Pb	n.d.		---			
						Cd	n.d.		---			
						Hg	n.d.		---			
						Cr	n.d.					
						Br	n.d.					
						Cr(VI)						---
						PBB						
						PBDE						---
		2.21.9	BLACK SEAL (CX/2014/10107 No.1.2.9)		Polymers	Pb	n.d.		---			
						Cd	n.d.		---			
						Hg	n.d.		---			
						Cr	n.d.					
	Br					n.d.						
	Cr(VI)						---					
	PBB											---
	PBDE								---			
	PCBA 	2.22.1	BROWN PLASTIC COVER WITH WHITE PRINT (CX/2013/A0259 No.2.22.1)		Polymers	Pb	n.d.		---			
						Cd	n.d.		---			
						Hg	n.d.		---			
						Cr	63					
						Br	n.d.					
						Cr(VI)						---
						PBB						
						PBDE						---
		2.22.2	SILVER COLORED METALLIC COVER (CX/2013/A0259 No.2.22.2)		Metals	Pb	n.d.		---			
						Cd	n.d.		---			
						Hg	n.d.		---			
						Cr	n.d.					
	Br					n.d.						
	Cr(VI)						---					
	PBB											---
	PBDE								---			






No.	Type of Components	Description		Figure	MDL Category	X-ray Screening		UV	ICP-AES	GC-MS	Note	
						Element	Data	Cr (VI)	Pb/Cd/Hg	PBB/PBDE		
2		2.22.3	BLACK SEAL (CX/2013/A0259 No.2.22.3)		Polymers	Pb	n.d.		---			
						Cd	n.d.		---			
						Hg	n.d.		---			
						Cr	n.d.					
						Br	n.d.					
						Cr(VI)						---
						PBB						
						PBDE						---
		2.22.4	TRANSLUCENT FILM (CX/2013/A0259 No.2.22.4)		Polymers	Pb	n.d.		---			
						Cd	n.d.		---			
						Hg	n.d.		---			
						Cr	n.d.					
						Br	n.d.					
						Cr(VI)						---
						PBB						
						PBDE						---
		2.22.5	BROWN FILM (CX/2013/A0259 No.2.22.5)		Polymers	Pb	n.d.		---			
						Cd	n.d.		---			
						Hg	n.d.		---			
						Cr	n.d.					
						Br	n.d.					
						Cr(VI)						---
						PBB						
						PBDE						---
		2.22.6	GRAY METALLIC FOIL (CX/2013/A0259 No.2.22.6)		Metals	Pb	n.d.		---			
						Cd	n.d.		---			
						Hg	n.d.		---			
						Cr	n.d.					
						Br	n.d.					
						Cr(VI)						---
						PBB						
						PBDE						---

No.	Type of Components	Description		Figure	MDL Category	X-ray Screening		UV	ICP-AES	GC-MS	Note
						Element	Data	Cr (VI)	Pb/Cd/Hg	PBB/PBDE	
2		2.22.7	SILVER COLORED METALLIC PIN (CX/2013/A0259 No.2.22.7)		Metals	Pb	n.d.		---		
						Cd	n.d.		---		
						Hg	n.d.		---		
						Cr	158				
						Br	n.d.				
						Cr(VI)					
						PBB			---		
						PBDE			---		
		2.23.1	COPPER COLORED METALLIC SHEET (CX/2013/A0259 No.2.23.1)		Metals	Pb	n.d.		---		
						Cd	n.d.		---		
						Hg	n.d.		---		
						Cr	n.d.				
						Br	n.d.				
						Cr(VI)					
						PBB			---		
						PBDE			---		
		2.23.2	TRANSPARENT LABEL WITH BLACK PRINT (CX/2013/A0259 No.2.23.2)		Polymers	Pb	n.d.		---		
						Cd	n.d.		---		
						Hg	n.d.		---		
						Cr	n.d.				
						Br	n.d.				
						Cr(VI)					
						PBB			---		
						PBDE			---		
		2.23.3	YELLOW TAPE (CX/2013/A0259 No.2.23.3)		Polymers	Pb	n.d.		---		
						Cd	n.d.		---		
						Hg	n.d.		---		
						Cr	n.d.				
						Br	61900				
						Cr(VI)					
						PBB			n.d.		
						PBDE			n.d.		

Test Report






Report No.: CX/2014/10107A






Date: 2014/03/13




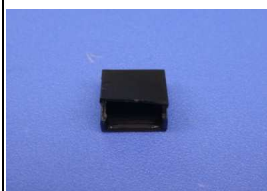

No.	Type of Components	Description		Figure	MDL Category	X-ray Screening		UV	ICP-AES	GC-MS	Note
						Element	Data	Cr (VI)	Pb/Cd/Hg	PBB/PBDE	
2		PCBA	2.23.4	TRANSLUCENT PLASTIC JACKET (CX/2013/A0259 No.2.23.4)		Polymers	Pb	n.d.	---	---	
							Cd	n.d.			
							Hg	n.d.			
							Cr	n.d.			
							Br	n.d.			
							Cr(VI)	---			
							PBB			---	
							PBDE			---	
			2.23.5	COPPER COLORED METALLIC WIRE (CX/2013/A0259 No.2.23.5)		Metals	Pb	n.d.	---	---	
							Cd	n.d.			
							Hg	n.d.			
							Cr	n.d.			
							Br	1880			
							Cr(VI)	---			
							PBB			n.d.	
							PBDE			n.d.	
			2.23.6	COPPER COLORED METALLIC WIRE (CX/2013/A0259 No.2.23.6)		Metals	Pb	n.d.	---	---	
							Cd	n.d.			
							Hg	n.d.			
							Cr	n.d.			
							Br	1250			
							Cr(VI)	---			
							PBB			n.d.	
							PBDE			n.d.	
			2.23.7	ORANGE METALLIC WIRE (CX/2013/A0259 No.2.23.7)		Metals	Pb	n.d.	---	---	
							Cd	n.d.			
							Hg	n.d.			
							Cr	n.d.			
							Br	158			
							Cr(VI)	---			
							PBB			---	
							PBDE			---	




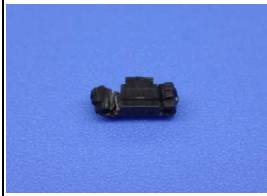

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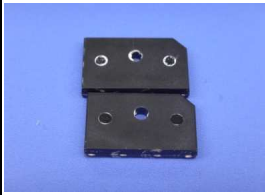

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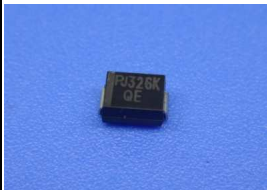


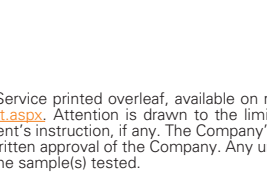

No.	Type of Components	Description		Figure	MDL Category	X-ray Screening		UV	ICP-AES	GC-MS	Note	
						Element	Data	Cr (VI)	Pb/Cd/Hg	PBB/PBDE		
2		2.23.8	BLACK PLASTIC FRAME (CX/2013/A0259 No.2.23.8)		Polymers	Pb	n.d.		---			
						Cd	n.d.		---			
						Hg	n.d.		---			
						Cr	n.d.		---			
						Br	131			---		
						Cr(VI)						
						PBB						
						PBDE						
		2.23.9	BLACK CORE (CX/2013/A0259 No.2.23.9)		Composite Material	Pb	n.d.		---			
						Cd	n.d.		---			
						Hg	n.d.		---			
						Cr	n.d.		---			
						Br	430			n.d.		
						Cr(VI)						
						PBB						
						PBDE						
		2.24.1	WHITE LABEL WITH BLACK PRINT (CX/2013/A0259 No.2.24.1)		Polymers	Pb	n.d.		---			
						Cd	n.d.		---			
						Hg	n.d.		---			
						Cr	n.d.		---			
						Br	n.d.			---		
						Cr(VI)						
						PBB						
						PBDE						
		2.24.2	IVORY PLASTIC HOUSING (CX/2013/A0259 No.2.24.2)		Polymers	Pb	n.d.		---			
						Cd	n.d.		---			
						Hg	n.d.		---			
						Cr	n.d.		---			
						Br	n.d.			---		
						Cr(VI)						
						PBB						
						PBDE						






No.	Type of Components	Description		Figure	MDL Category	X-ray Screening		UV	ICP-AES	GC-MS	Note	
						Element	Data	Cr (VI)	Pb/Cd/Hg	PBB/PBDE		
2		2.24.3	SILVER COLORED METALLIC PIN (CX/2013/A0259 No.2.24.3)		Metals	Pb	n.d.		---			
						Cd	n.d.		---			
						Hg	n.d.		---			
						Cr	n.d.					
						Br	n.d.					
						Cr(VI)						---
						PBB						
						PBDE						---
		2.24.4	IVORY PLASTIC HOUSING (CX/2013/A0259 No.2.24.4)		Polymers	Pb	n.d.		---			
						Cd	n.d.		---			
						Hg	n.d.		---			
						Cr	n.d.					
						Br	n.d.					
						Cr(VI)						---
						PBB						
						PBDE						---
		2.24.5	SILVER COLORED METALLIC LEAF SPRING (CX/2013/A0259 No.2.24.5)		Metals	Pb	n.d.		---			
						Cd	n.d.		---			
						Hg	n.d.		---			
						Cr	168000					
						Br	n.d.					
						Cr(VI)						Negative
						PBB						
						PBDE						---
		2.24.6	SILVER COLORED METALLIC PIN (CX/2013/A0259 No.2.24.6)		Metals	Pb	n.d.		---			
						Cd	n.d.		---			
						Hg	n.d.		---			
						Cr	254					
						Br	n.d.					
						Cr(VI)						---
						PBB						
						PBDE						---

No.	Type of Components	Description		Figure	MDL Category	X-ray Screening		UV	ICP-AES	GC-MS	Note	
						Element	Data	Cr (VI)	Pb/Cd/Hg	PBB/PBDE		
2		2.25.1	IVORY PLASTIC HOUSING (CX/2013/A0259 No.2.25.1)		Polymers	Pb	n.d.		---			
						Cd	n.d.		---			
						Hg	n.d.		---			
						Cr	n.d.					
						Br	60					
						Cr(VI)						---
						PBB						
						PBDE			---			
		2.25.2	SILVER COLORED METALLIC PIN (CX/2013/A0259 No.2.25.2)		Metals	Pb	n.d.		---			
						Cd	n.d.		---			
						Hg	n.d.		---			
						Cr	n.d.					
						Br	n.d.					
						Cr(VI)						---
						PBB						
						PBDE			---			
		2.26.1	BLACK PLASTIC HOUSING (CX/2013/A0259 No.2.26.1)		Polymers	Pb	n.d.		---			
						Cd	n.d.		---			
						Hg	n.d.		---			
						Cr	n.d.					
						Br	n.d.					
						Cr(VI)						---
						PBB						
						PBDE			---			
		2.26.2	WHITE FABRIC THREAD (CX/2013/A0259 No.2.26.2)		Polymers	Pb	n.d.		---			
						Cd	n.d.		---			
						Hg	n.d.		---			
						Cr	n.d.					
						Br	n.d.					
						Cr(VI)						---
						PBB						
						PBDE			---			

No.	Type of Components	Description		Figure	MDL Category	X-ray Screening		UV	ICP-AES	GC-MS	Note	
						Element	Data	Cr (VI)	Pb/Cd/Hg	PBB/PBDE		
2		2.26.3	SILVER COLORED METALLIC WIRE (CX/2013/A0259 No.2.26.3)		Metals	Pb	n.d.		---			
						Cd	n.d.		---			
						Hg	n.d.		---			
						Cr	n.d.					
						Br	n.d.					
						Cr(VI)						---
						PBB						
						PBDE						---
		2.26.4	SILVER COLORED METALLIC PIN (CX/2013/A0259 No.2.26.4)		Metals	Pb	n.d.		---			
						Cd	n.d.		---			
						Hg	n.d.		---			
						Cr	n.d.					
						Br	n.d.					
						Cr(VI)						---
						PBB						
						PBDE						---
		2.26.5	BLACK PLASTIC HOUSING (CX/2013/A0259 No.2.26.5)		Polymers	Pb	n.d.		---			
						Cd	n.d.		---			
						Hg	n.d.		---			
						Cr	n.d.					
						Br	n.d.					
						Cr(VI)						---
						PBB						
						PBDE						---
		2.27.1	GOLDEN COLORED METALLIC PIN (CX/2013/A0259 No.2.27.1)		Metals	Pb	n.d.		---			
						Cd	n.d.		---			
						Hg	n.d.		---			
						Cr	n.d.					
						Br	n.d.					
						Cr(VI)						---
						PBB						
						PBDE						---






No.	Type of Components	Description		Figure	MDL Category	X-ray Screening		UV	ICP-AES	GC-MS	Note
						Element	Data	Cr (VI)	Pb/Cd/Hg	PBB/PBDE	
2		2.27.2	BLACK PLASTIC HOUSING (CX/2013/A0259 No.2.27.2)		Polymers	Pb	n.d.		---		
						Cd	n.d.		---		
						Hg	n.d.		---		
						Cr	n.d.				
						Br	51900				
						Cr(VI)					
						PBB					
						PBDE					
		2.28	ELECTRONIC COMPONENT (CX/2013/A0259 No.2.28)		Composite Material	Pb	n.d.		---		
						Cd	n.d.		---		
						Hg	n.d.		---		
						Cr	n.d.				
						Br	n.d.				
						Cr(VI)					
						PBB					
						PBDE					
		2.29	ELECTRONIC COMPONENT (CX/2013/A0259 No.2.29)		Composite Material	Pb	7970		*2		
						Cd	130		n.d.		
						Hg	n.d.		---		
						Cr	n.d.				
						Br	1730				
						Cr(VI)					
						PBB					
						PBDE					
		2.30	ELECTRONIC COMPONENT (CX/2013/A0259 No.2.30)		Composite Material	Pb	38400		*2		
						Cd	n.d.		---		
						Hg	n.d.		---		
						Cr	n.d.				
						Br	n.d.				
						Cr(VI)					
						PBB					
						PBDE					


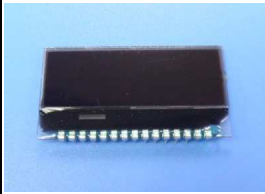



No.	Type of Components	Description		Figure	MDL Category	X-ray Screening		UV	ICP-AES	GC-MS	Note
						Element	Data	Cr (VI)	Pb/Cd/Hg	PBB/PBDE	
2		2.31	ELECTRONIC COMPONENT (CX/2013/A0259 No.2.31)		Composite Material	Pb	21000	---	*2	---	
						Cd	n.d.		---		
						Hg	n.d.		---		
						Cr	n.d.		---		
		2.32	ELECTRONIC COMPONENT (CX/2013/A0259 No.2.32)		Composite Material	Br	747	---	---	---	
						Cr(VI)					
						PBB					
						PBDE					
		2.33	PCBA (CX/2013/A0259 No.2.33)		Composite Material	Pb	60200	---	*2	---	
						Cd	n.d.		---		
						Hg	n.d.		---		
						Cr	n.d.		---		
		2.34	WHITE LABEL WITH BLACK PRINT (CX/2013/A0259 No.2.34)		Polymers	Br	n.d.	---	---	---	Refer to Table 5
						Cr(VI)					
						PBB					
						PBDE					
		2.35	WHITE LABEL WITH BLACK PRINT (CX/2013/A0259 No.2.35)		Polymers	Pb	n.d.	---	---	---	
						Cd	n.d.				
						Hg	n.d.				
						Cr	n.d.				
		2.36	WHITE LABEL WITH BLACK PRINT (CX/2013/A0259 No.2.36)		Polymers	Br	n.d.	---	---	---	
						Cr(VI)					
						PBB					
						PBDE					






No.	Type of Components	Description		Figure	MDL Category	X-ray Screening		UV	ICP-AES	GC-MS	Note
						Element	Data	Cr (VI)	Pb/Cd/Hg	PBB/PBDE	
2		2.35	BLACK PLASTIC HOUSING (CX/2013/A0259 No.2.35)		Polymers	Pb	n.d.		---		
						Cd	n.d.		---		
						Hg	n.d.		---		
						Cr	n.d.		---		
						Br	66000				
						Cr(VI)					
						PBB				n.d.	
						PBDE				n.d.	
		2.36	GOLDEN COLORED METALLIC PIN (CX/2013/A0259 No.2.36)		Metals	Pb	n.d.		---		
						Cd	n.d.		---		
						Hg	n.d.		---		
						Cr	n.d.		---		
						Br	n.d.				
						Cr(VI)					
						PBB				---	
						PBDE				---	
		2.37	BLACK PLASTIC BUTTON (CX/2013/A0259 No.2.37)		Polymers	Pb	n.d.		---		
						Cd	n.d.		---		
						Hg	n.d.		---		
						Cr	n.d.		---		
						Br	n.d.				
						Cr(VI)					
						PBB				---	
						PBDE				---	
		2.38	SILVER COLORED TAPE (CX/2013/A0259 No.2.38)		Polymers	Pb	n.d.		---		
						Cd	n.d.		---		
						Hg	n.d.		---		
						Cr	259		---		
						Br	n.d.				
						Cr(VI)					
						PBB				---	
						PBDE				---	








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No.	Type of Components	Description		Figure	MDL Category	X-ray Screening		UV	ICP-AES	GC-MS	Note
						Element	Data	Cr (VI)	Pb/Cd/Hg	PBB/PBDE	
2		2.39	WHITE FILM WITH ADHESIVE (CX/2013/A0259 No.2.39)		Polymers	Pb	n.d.		---		
						Cd	n.d.		---		
						Hg	n.d.		---		
						Cr	n.d.				
						Br	74				
						Cr(VI)		---			
						PBB				---	
						PBDE			---		
		2.40	WHITE FILM WITH ADHESIVE (CX/2013/A0259 No.2.40)		Polymers	Pb	n.d.		---		
						Cd	n.d.		---		
						Hg	n.d.		---		
						Cr	n.d.				
						Br	n.d.				
						Cr(VI)		---			
						PBB				---	
						PBDE			---		
		2.41	TRANSLUCENT PLASTIC CAP (CX/2013/A0259 No.2.41)		Polymers	Pb	n.d.		---		
						Cd	n.d.		---		
						Hg	n.d.		---		
						Cr	n.d.				
						Br	n.d.				
						Cr(VI)		---			
						PBB				---	
						PBDE			---		
		2.42	BLACK TAPE (CX/2013/A0259 No.2.42)		Polymers	Pb	n.d.		---		
						Cd	n.d.		---		
						Hg	n.d.		---		
						Cr	70				
						Br	n.d.				
						Cr(VI)		---			
						PBB				---	
						PBDE			---		

No.	Type of Components	Description		Figure	MDL Category	X-ray Screening		UV	ICP-AES	GC-MS	Note	
						Element	Data	Cr (VI)	Pb/Cd/Hg	PBB/PBDE		
2		2.43	LCD PANEL (CX/2013/A0259 No.2.43)		Composite Material	Pb	n.d.		---			
						Cd	n.d.		---			
						Hg	n.d.		---			
						Cr	n.d.					
						Br	n.d.					
						Cr(VI)						---
						PBB						
						PBDE			---			
		2.44	ELECTRONIC COMPONENT (CX/2013/A0259 No.2.44)		Composite Material	Pb	n.d.		---			
						Cd	n.d.		---			
						Hg	n.d.		---			
						Cr	n.d.					
						Br	19200					
						Cr(VI)						---
						PBB						
						PBDE			n.d.			
		2.45.1	SILVER COLORED METALLIC SHEET (CX/2013/A0259 No.2.45.1)		Metals	Pb	n.d.		---			
						Cd	n.d.		---			
						Hg	n.d.		---			
						Cr	n.d.					
						Br	n.d.					
						Cr(VI)						---
						PBB						
						PBDE			---			
		2.45.2	SILVER COLORED METALLIC PAD (CX/2013/A0259 No.2.45.2)		Metals	Pb	n.d.		---			
						Cd	n.d.		---			
						Hg	n.d.		---			
						Cr	n.d.					
						Br	n.d.					
						Cr(VI)						---
						PBB						
						PBDE			---			





No.	Type of Components	Description		Figure	MDL Category	X-ray Screening		UV	ICP-AES	GC-MS	Note	
						Element	Data	Cr (VI)	Pb/Cd/Hg	PBB/PBDE		
2		2.45.3	LT. BROWN PAD (CX/2013/A0259 No.2.45.3)		Polymers	Pb	n.d.		---			
						Cd	n.d.		---			
						Hg	n.d.		---			
						Cr	n.d.					
						Br	n.d.					
						Cr(VI)						
						PBB						
						PBDE						
		2.45.4	SILVER COLORED METALLIC LEAF SPRING (CX/2013/A0259 No.2.45.4)		Metals	Pb	n.d.		---			
						Cd	n.d.		---			
						Hg	n.d.		---			
						Cr	161000					
						Br	n.d.		Negative			
						Cr(VI)						
						PBB						
						PBDE						
		2.45.5	SILVER COLORED METALLIC PIN (CX/2013/A0259 No.2.45.5)		Metals	Pb	n.d.		---			
						Cd	n.d.		---			
						Hg	n.d.		---			
						Cr	n.d.					
						Br	n.d.					
						Cr(VI)						
						PBB						
						PBDE						
		2.45.6	BLACK PLASTIC PAD (CX/2013/A0259 No.2.45.6)		Polymers	Pb	n.d.		---			
						Cd	n.d.		---			
						Hg	n.d.		---			
						Cr	n.d.					
						Br	n.d.					
						Cr(VI)						
						PBB						
						PBDE						

No.	Type of Components	Description		Figure	MDL Category	X-ray Screening		UV	ICP-AES	GC-MS	Note
						Element	Data	Cr (VI)	Pb/Cd/Hg	PBB/PBDE	
2	<div>PCBA</div> 	2.46	PCBA (CX/2014/10107 No.1.3)		Composite Material	Pb	---		---		Refer to Table 6
						Cd	---		---		
						Hg	---		---		
						Cr	---		---		
						Br	---		---		
						Cr(VI)		---		---	
						PBB		---			
						PBDE		---			
3	<div>KIT</div>  	3.1.1	SILVER COLORED METALLIC SCREW (CX/2013/A0259 No.3.1.1)		Metals	Pb	n.d.		---		
						Cd	n.d.		---		
						Hg	n.d.		---		
						Cr	141000		---		
						Br	n.d.		---		
						Cr(VI)		Negative		---	
		PBB	---								
		PBDE	---								
		3.1.2	BLACK PLASTIC HOUSING (CX/2013/A0259 No.3.1.2)		Polymers	Pb	n.d.		---		
						Cd	n.d.		---		
						Hg	n.d.		---		
						Cr	n.d.		---		
	Br					37000	---				
	Cr(VI)						---	n.d.			
	PBB	n.d.									
	PBDE										
	3.1.3	SILVER COLORED METALLIC SCREW (CX/2013/A0259 No.3.1.3)		Metals	Pb	n.d.		---			
					Cd	n.d.		---			
					Hg	n.d.		---			
					Cr	141000		---			
					Br	n.d.		---			
					Cr(VI)		Negative		---		
					PBB		---				
					PBDE		---				

No.	Type of Components	Description		Figure	MDL Category	X-ray Screening		UV	ICP-AES	GC-MS	Note
						Element	Data	Cr (VI)	Pb/Cd/Hg	PBB/PBDE	
3	KIT	3.1.4	SILVER COLORED METALLIC NUT (CX/2013/A0259 No.3.1.4)		Metals	Pb	n.d.	Negative	---		
						Cd	n.d.		---		
						Hg	n.d.		---		
						Cr	185000				
		3.1.5	SILVER COLORED METALLIC SHEET (CX/2013/A0259 No.3.1.5)		Metals	Br	n.d.				
						Cr(VI)					
						PBB					
						PBDE					
		3.1.6	SILVER COLORED METALLIC WASHER (CX/2013/A0259 No.3.1.6)		Metals	Pb	n.d.		---		
						Cd	n.d.		---		
						Hg	n.d.		---		
						Cr	n.d.				
		3.1.7	SILVER COLORED METALLIC WASHER (CX/2013/A0259 No.3.1.7)		Metals	Br	n.d.				
						Cr(VI)					
						PBB					
						PBDE					

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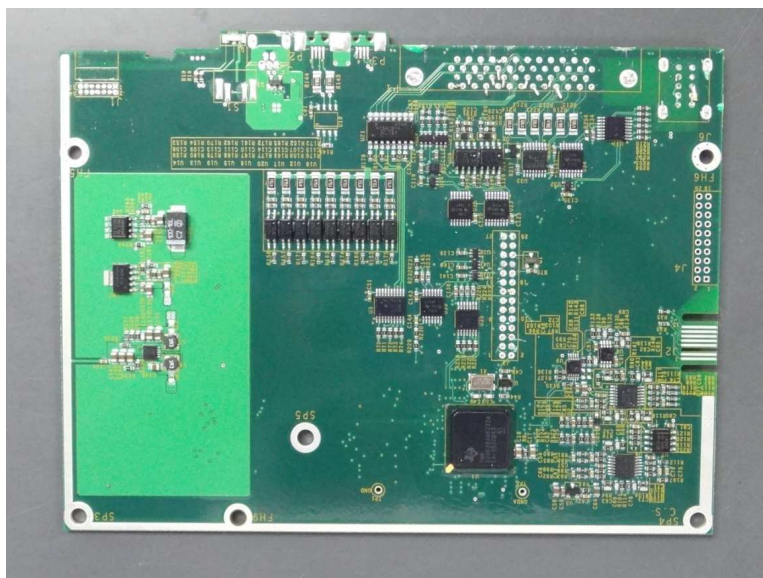
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No.	Type of Components	Description		Figure	MDL Category	X-ray Screening		UV	ICP-AES	GC-MS	Note
						Element	Data	Cr (VI)	Pb/Cd/Hg	PBB/PBDE	
3	KIT	3.1.8	SILVER COLORED METALLIC SCREW (CX/2013/A0259 No.3.1.8)		Metals	Pb	n.d.		---		
						Cd	n.d.		---		
						Hg	n.d.		---		
						Cr	n.d.				
						Br	n.d.				
						Cr(VI)		---			
						PBB				---	
						PBDE				---	
	KIT	3.2.1	BLACK PLASTIC HOUSING (CX/2013/A0259 No.3.2.1)		Polymers	Pb	n.d.		---		
						Cd	n.d.		---		
						Hg	n.d.		---		
						Cr	n.d.				
						Br	58500				
						Cr(VI)		---			
						PBB				n.d.	
						PBDE				n.d.	
		3.2.2	SILVER COLORED METALLIC FRAME (CX/2013/A0259 No.3.2.2)		Metals	Pb	n.d.		---		
						Cd	n.d.		---		
						Hg	n.d.		---		
						Cr	n.d.				
						Br	n.d.				
						Cr(VI)		---			
						PBB				---	
						PBDE				---	
		3.2.3	SILVER/GOLDEN COLORED METALLIC PIN (CX/2013/A0259 No.3.2.3)		Metals	Pb	n.d.		---		
						Cd	n.d.		---		
						Hg	n.d.		---		
						Cr	n.d.				
						Br	n.d.				
						Cr(VI)		---			
						PBB				---	
						PBDE				---	

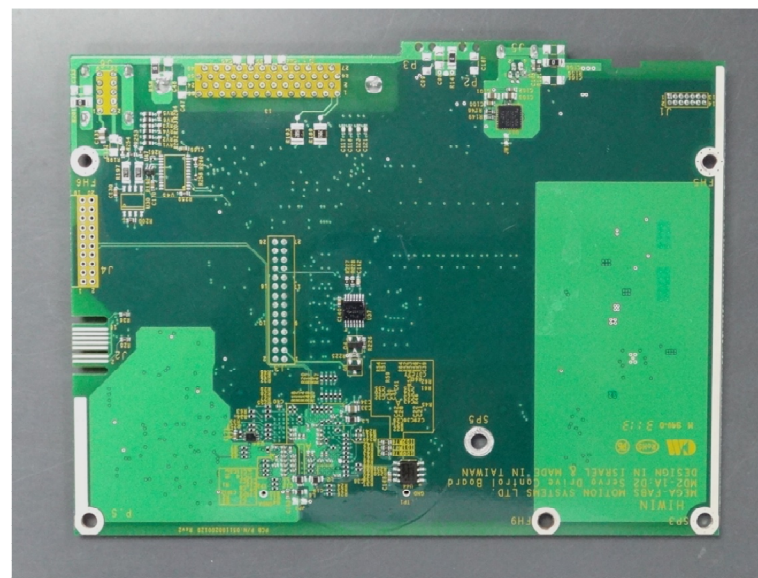
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Figure 1 The picture(s) of the PCBA (CX/2013/A0259-2.1)



Top side of the PCBA (CX/2013/A0259-2.1)



Bottom side of the PCBA (CX/2013/A0259-2.1)

Figure 2 The figure with letter and frame shows the mapping area(s) on the PCBA (CX/2013/A0259-2.1, Top side)

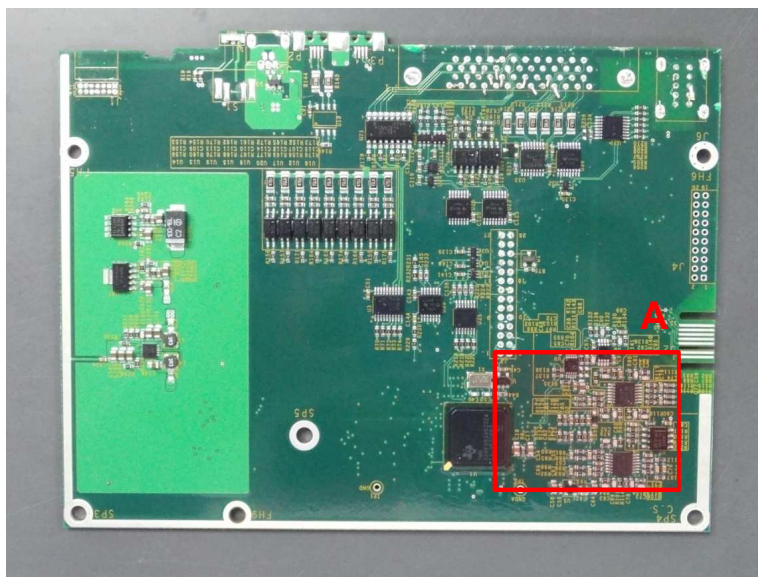


Figure 3 The figure shows the selected positions on the PCBA (CX/2013/A0259-2.1, Top side) for point analysis

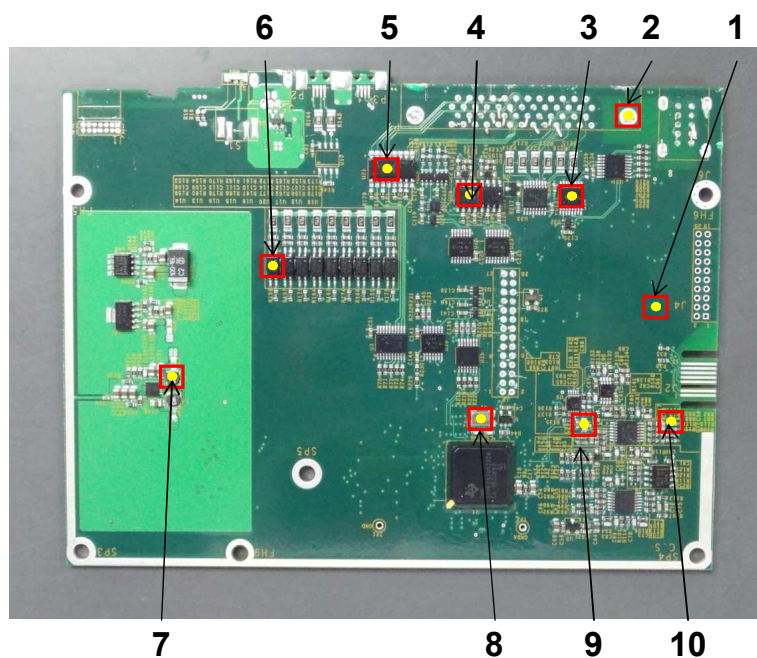


Figure 4 The figure shows the selected positions on the PCBA (CX/2013/A0259-2.1, Bottom side) for point analysis

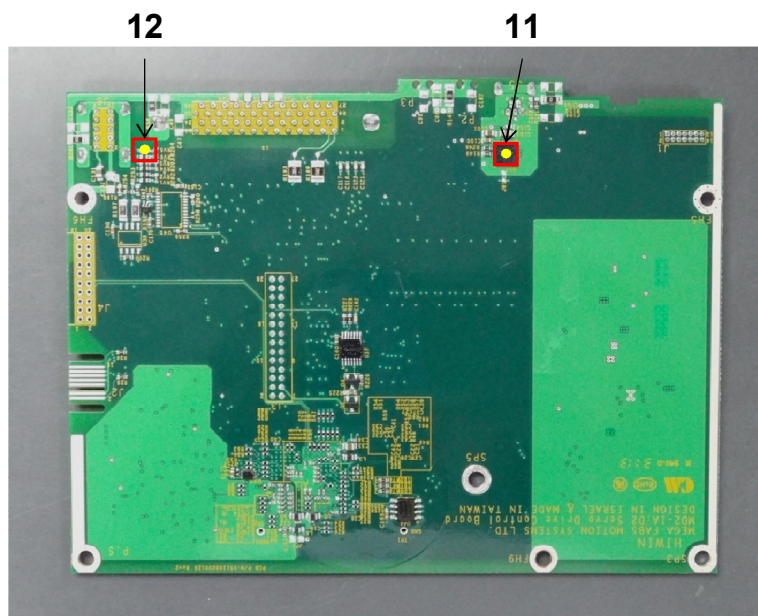


Table 2 Mapping results of area A on the PCBA (CX/2013/A0259-2.1, Top side)

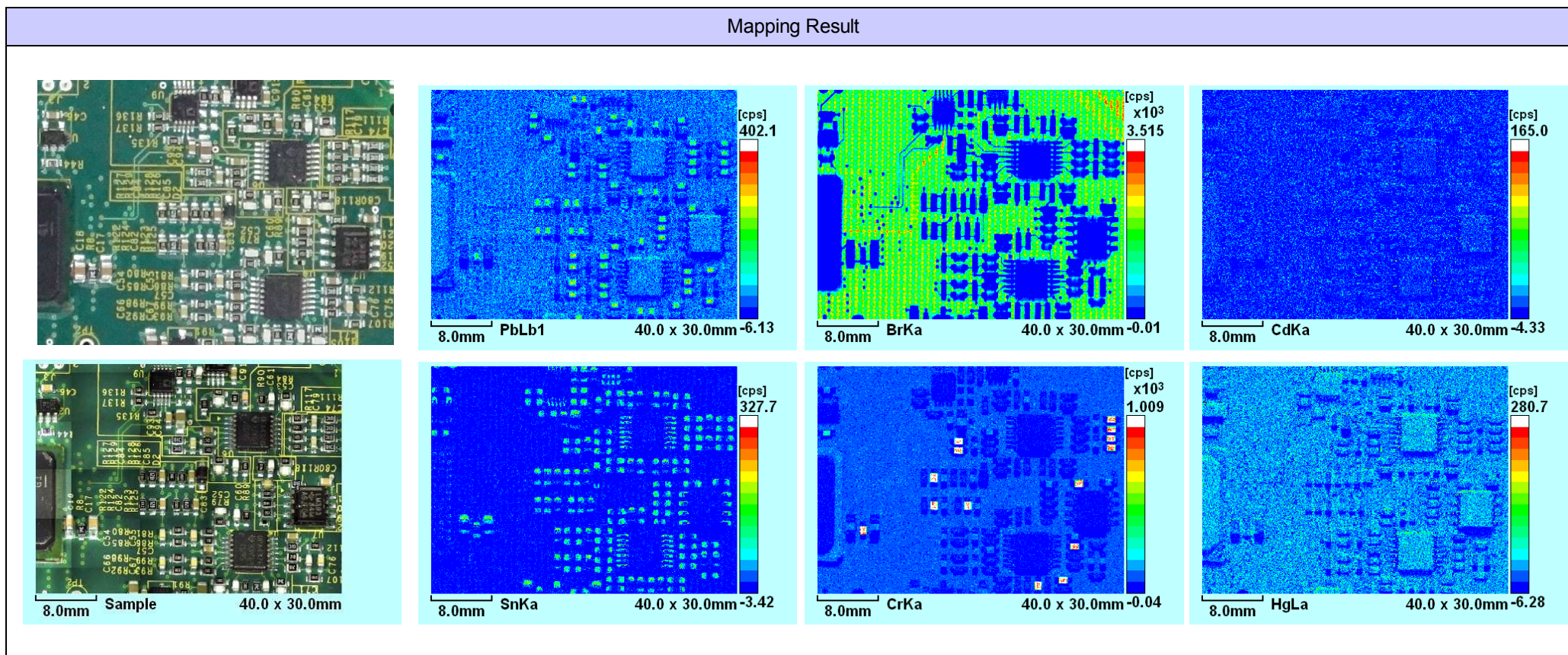
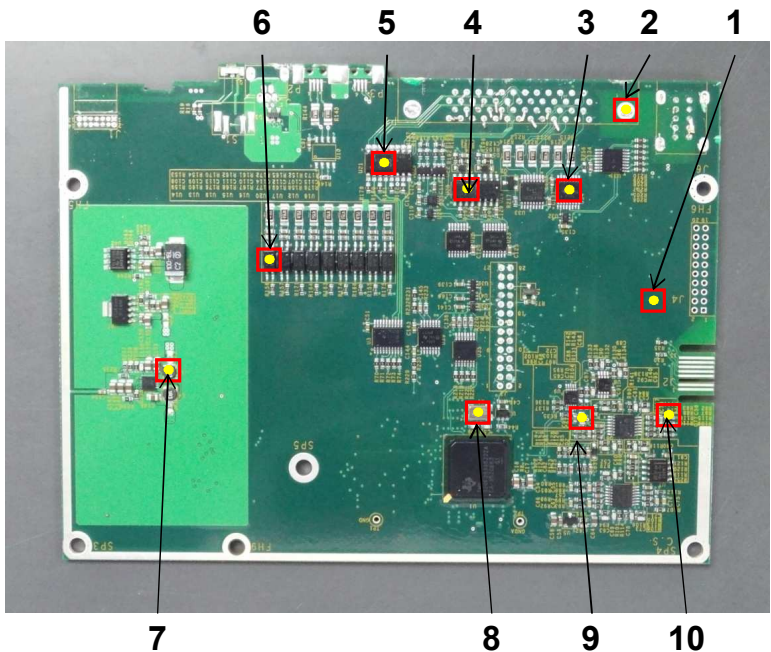
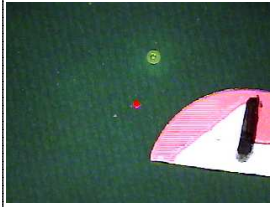
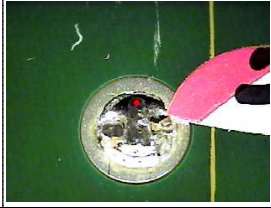
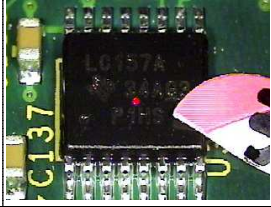
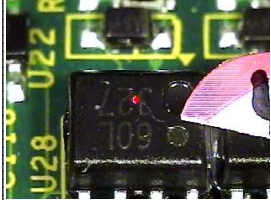
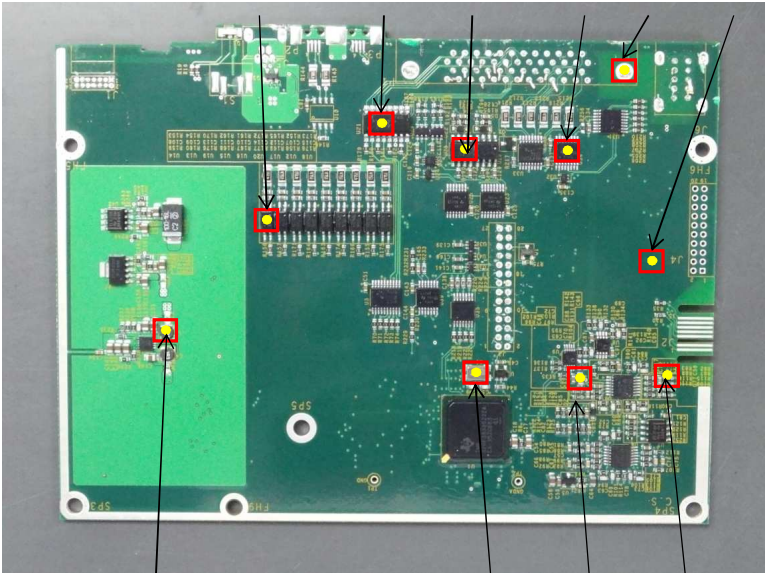
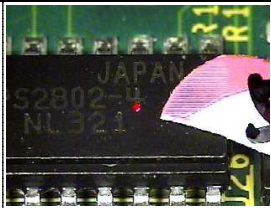
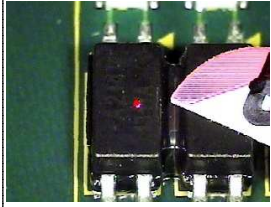
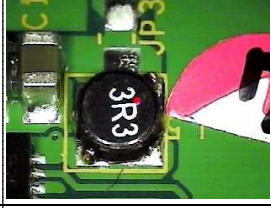
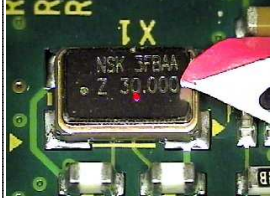


Table 3 The test results on the PCBA (CX/2013/A0259-2.1, Top side and Bottom side) by point analysis (Unit: mg/kg)

Point Analysis	No.	Figure	Material	X-ray Screening		
			Type	Element	Data	Note
	1		Composite Material	Pb	n.d.	Refer to No.1 in Table 7
				Cd	n.d.	
				Hg	n.d.	
				Cr	n.d.	
				Br	60000	
	2		Metals	Pb	461	
				Cd	n.d.	
				Hg	n.d.	
				Cr	n.d.	
				Br	n.d.	
	3		Composite Material	Pb	n.d.	
				Cd	n.d.	
				Hg	n.d.	
				Cr	n.d.	
				Br	n.d.	
	4		Composite Material	Pb	n.d.	Refer to No.2 in Table 7
				Cd	n.d.	
				Hg	n.d.	
				Cr	151	
				Br	20100	

Point Analysis	No.	Figure	Material Type	X-ray Screening		
				Element	Data	Note
	5		Composite Material	Pb	n.d.	Refer to No.3 in Table 7
				Cd	n.d.	
				Hg	n.d.	
				Cr	n.d.	
				Br	11200	
	6		Composite Material	Pb	n.d.	
				Cd	n.d.	
				Hg	n.d.	
				Cr	n.d.	
				Br	n.d.	
	7		Composite Material	Pb	n.d.	
				Cd	n.d.	
				Hg	n.d.	
				Cr	n.d.	
				Br	n.d.	
	8		Composite Material	Pb	n.d.	Refer to No.4 in Table 7
				Cd	n.d.	
				Hg	n.d.	
				Cr	141	
				Br	382	

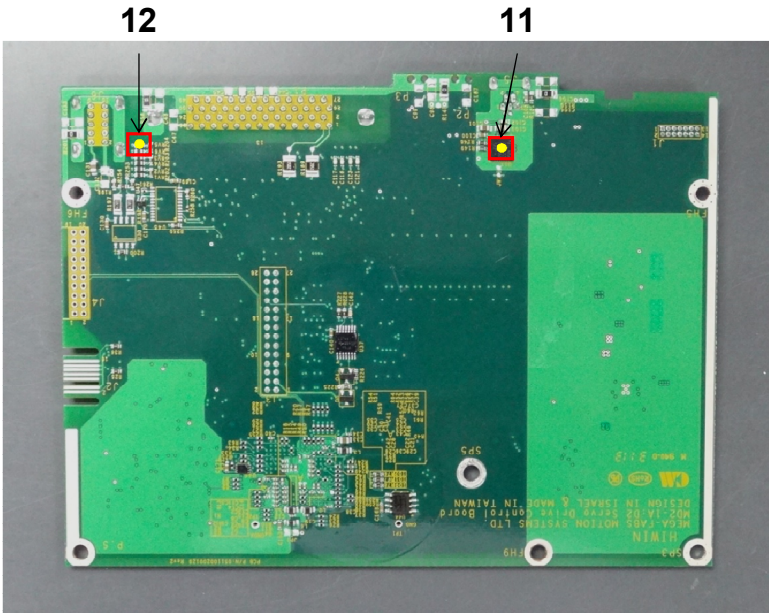
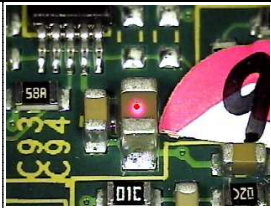
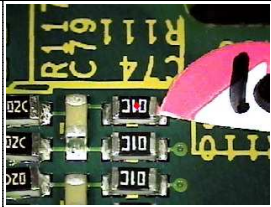
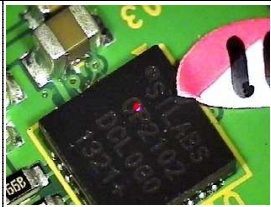

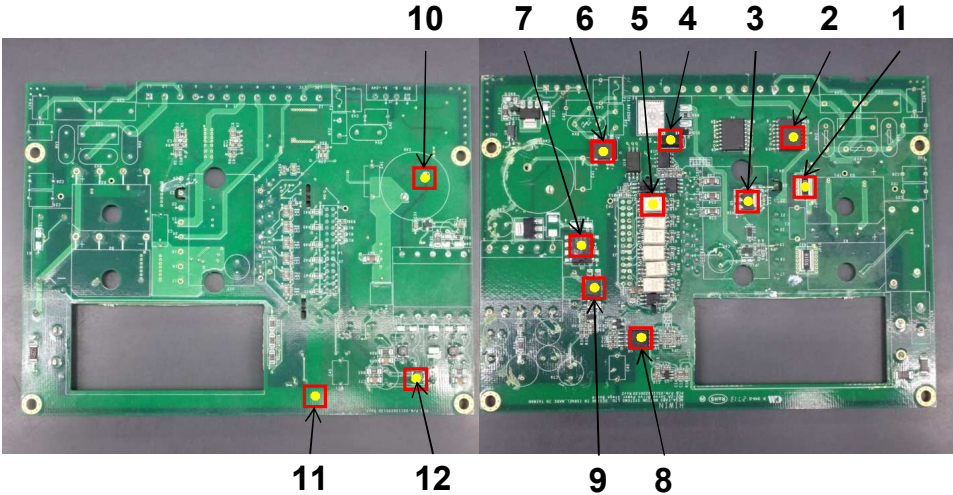
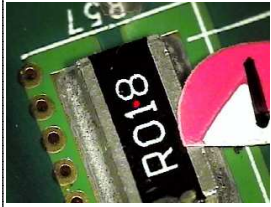

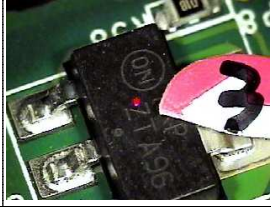
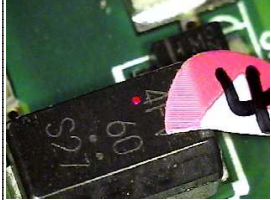
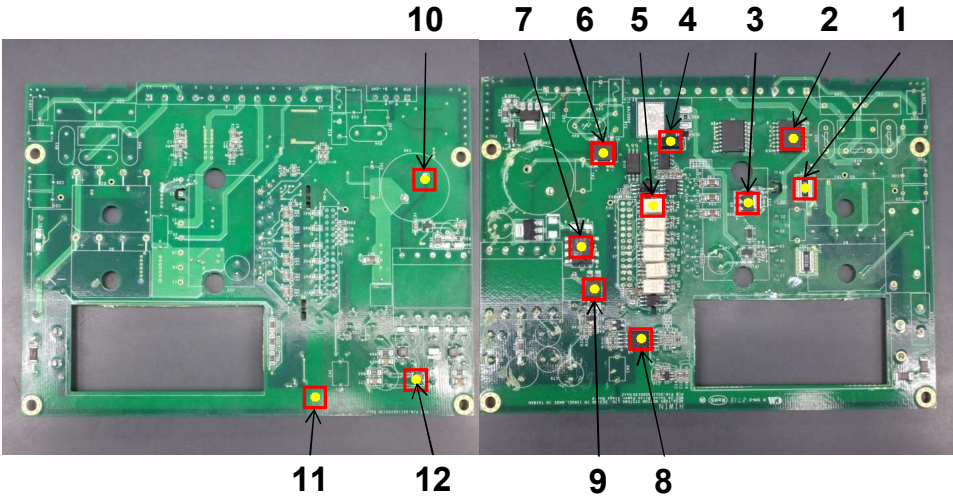

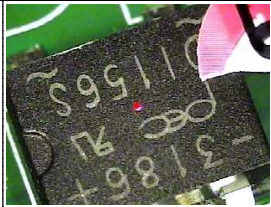
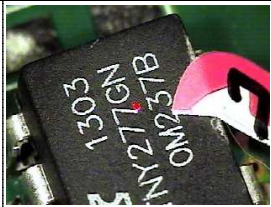

Point Analysis	No.	Figure	Material Type	X-ray Screening		
				Element	Data	Note
	9		Composite Material	Pb	n.d.	Refer to No.5 in Table 7
				Cd	n.d.	
				Hg	n.d.	
				Cr	n.d.	
				Br	289	
	10		Composite Material	Pb	3220	Refer to No.6 in Table 7
				Cd	n.d.	
				Hg	n.d.	
				Cr	34900	
				Br	5770	
	11		Composite Material	Pb	n.d.	
				Cd	n.d.	
				Hg	n.d.	
				Cr	n.d.	
				Br	n.d.	
	12		Composite Material	Pb	313	Refer to No.7 in Table 7
				Cd	n.d.	
				Hg	n.d.	
				Cr	3360	
				Br	383	

Table 4 The test results on the PCBA (CX/2013/A0259-2.11, Top side and Bottom side) by point analysis (Unit: mg/kg)

Point Analysis	No.	Figure	Material	X-ray Screening		
			Type	Element	Data	Note
	1		Composite Material	Pb	406	Refer to No.8 in Table 7
				Cd	n.d.	
				Hg	n.d.	
				Cr	2090	
				Br	n.d.	
	2		Composite Material	Pb	n.d.	
				Cd	n.d.	
				Hg	n.d.	
				Cr	n.d.	
				Br	n.d.	
	3		Composite Material	Pb	n.d.	
				Cd	n.d.	
				Hg	n.d.	
				Cr	n.d.	
				Br	n.d.	
	4		Composite Material	Pb	191	Refer to No.9 in Table 7
				Cd	n.d.	
				Hg	n.d.	
				Cr	8710	
				Br	n.d.	

Point Analysis	No.	Figure	Material Type	X-ray Screening		
				Element	Data	Note
	5		Composite Material	Pb	n.d.	Refer to No.10 in Table 7
				Cd	n.d.	
				Hg	n.d.	
				Cr	126	
				Br	15400	
	6		Composite Material	Pb	n.d.	
				Cd	n.d.	
				Hg	n.d.	
				Cr	139	
				Br	n.d.	
	7		Composite Material	Pb	n.d.	
				Cd	n.d.	
				Hg	n.d.	
				Cr	n.d.	
				Br	n.d.	
	8		Composite Material	Pb	n.d.	Refer to No.11 in Table 7
				Cd	n.d.	
				Hg	n.d.	
				Cr	n.d.	
				Br	19900	

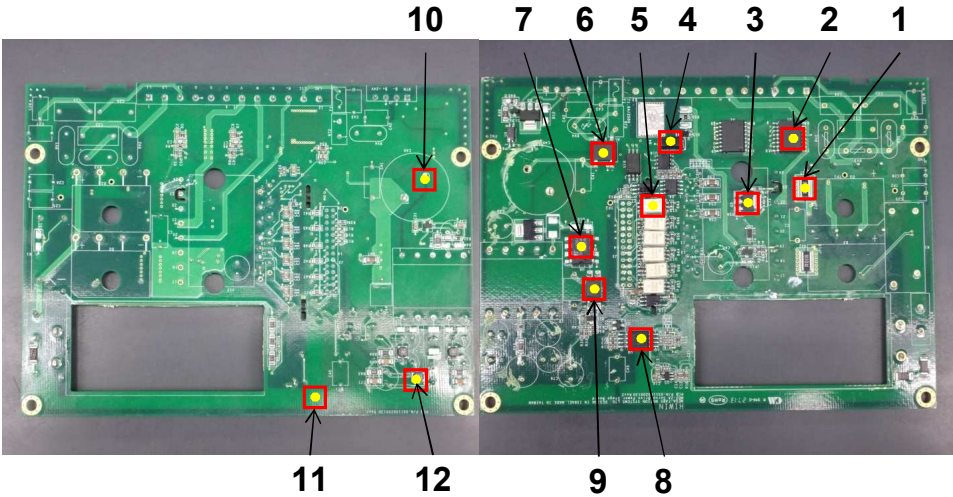
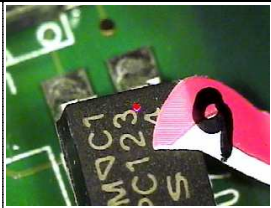


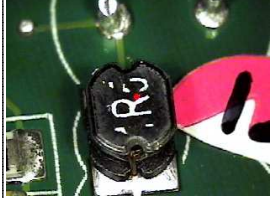
Point Analysis	No.	Figure	Material Type	X-ray Screening		
				Element	Data	Note
	9		Composite Material	Pb	n.d.	Refer to No.12 in Table 7
				Cd	n.d.	
				Hg	n.d.	
				Cr	169	
				Br	20800	
	10		Metals	Pb	411	
				Cd	n.d.	
				Hg	n.d.	
				Cr	n.d.	Refer to No.13 in Table 7
				Br	n.d.	
	11		Composite Material	Pb	n.d.	
				Cd	n.d.	
				Hg	n.d.	Refer to No.14 in Table 7
				Cr	n.d.	
				Br	58200	
	12		Composite Material	Pb	n.d.	
				Cd	n.d.	
				Hg	n.d.	
				Cr	158	
				Br	645	

Table 5 The test results on the PCBA (CX/2013/A0259-2.33, Top side) by point analysis (Unit: mg/kg)

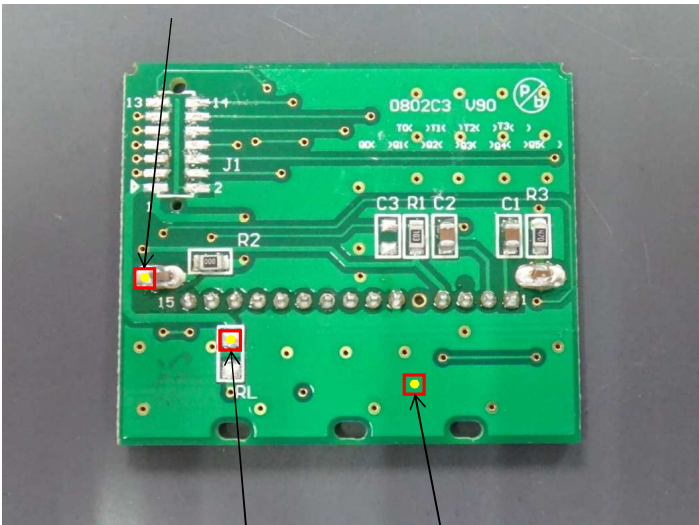


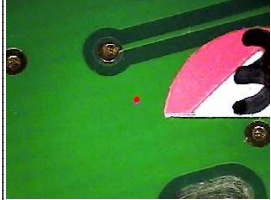
Point Analysis	No.	Figure	Material Type	X-ray Screening		
				Element	Data	Note
	1		Metals	Pb	423	
				Cd	n.d.	
				Hg	n.d.	
				Cr	n.d.	
				Br	n.d.	
	2		Metals	Pb	483	
				Cd	n.d.	
				Hg	n.d.	
				Cr	n.d.	
				Br	n.d.	
	3		Composite Material	Pb	n.d.	Refer to No.15 in Table 7
				Cd	n.d.	
				Hg	n.d.	
				Cr	n.d.	
				Br	427	

Table 6 The test results on the PCBA (CX/2014/10107-1.3, Top side) by point analysis (Unit: mg/kg)

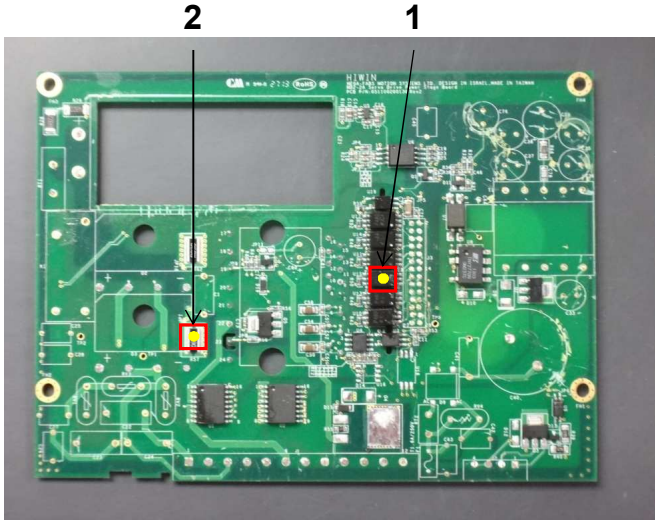

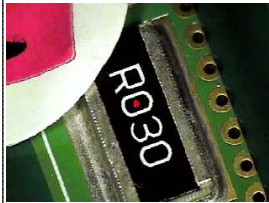
Point Analysis	No.	Figure	Material Type	X-ray Screening		
				Element	Data	Note
	1		Composite Material	Pb	n.d.	Refer to No.16 in Table 7
				Cd	n.d.	
				Hg	n.d.	
				Cr	n.d.	
				Br	18800	
	2		Composite Material	Pb	306	Refer to No.17 in Table 7
				Cd	n.d.	
				Hg	n.d.	
				Cr	1660	
				Br	117	

Table 7 The confirming test results for point analysis on PCBA (Unit: mg/kg)


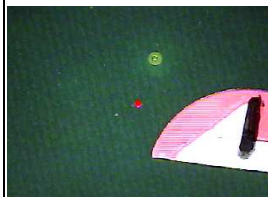

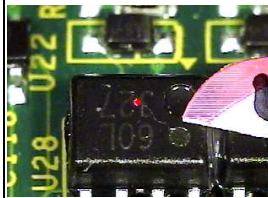

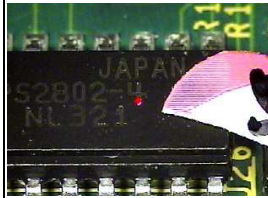
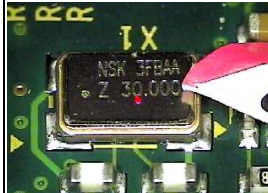
Type of Components	Description		Figure	MDL Category	Substance	UV	ICP-AES	GC-MS	Note		
						Cr (VI)	Pb/Cd/Hg	PBB/PBDE			
	1	RAW PCB (CX/2013/A0259 No.1 in Table 6)		Composite Material	Pb		---				
					Cd		---				
					Hg		---				
					Cr						
Br											
Cr(VI)					---						
PBB					n.d.						
PBDE					n.d.						
	2	ELECTRONIC COMPONENT (CX/2013/A0259 No.2 in Table 6)		Composite Material	Pb		---				
					Cd		---				
					Hg		---				
					Cr						
					Br						
					Cr(VI)						---
					PBB						n.d.
					PBDE		n.d.				
	3	ELECTRONIC COMPONENT (CX/2013/A0259 No.3 in Table 6)		Composite Material	Pb		---				
					Cd		---				
					Hg		---				
					Cr						
					Br						
					Cr(VI)						---
					PBB						n.d.
					PBDE		n.d.				
	4	ELECTRONIC COMPONENT (CX/2013/A0259 No.4 in Table 6)		Composite Material	Pb		---				
					Cd		---				
					Hg		---				
					Cr						
					Br						
					Cr(VI)						---
					PBB						n.d.
					PBDE		n.d.				

Table 7 The confirming test results for point analysis on PCBA (Unit: mg/kg)


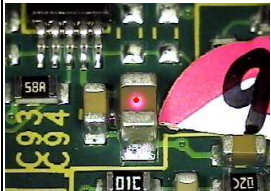

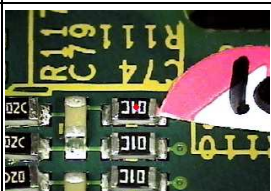
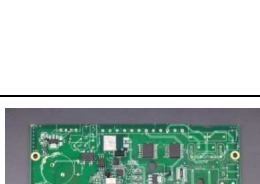
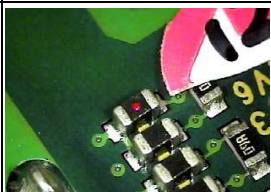

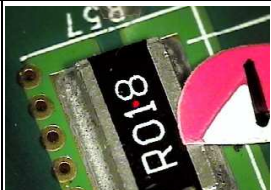
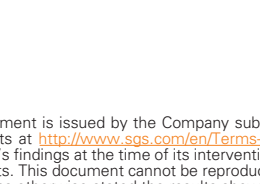
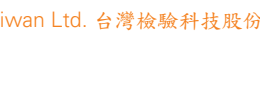
Type of Components	Description		Figure	MDL Category	Substance	UV	ICP-AES	GC-MS	Note
						Cr (VI)	Pb/Cd/Hg	PBB/PBDE	
	5	ELECTRONIC COMPONENT (CX/2013/A0259 No.5 in Table 6)		Composite Material	Pb		---		
					Cd		---		
					Hg		---		
	6	ELECTRONIC COMPONENT (CX/2013/A0259 No.6 in Table 6)		Composite Material	Cr				*2
					Br				
					Cr(VI)	---		n.d.	
	7	ELECTRONIC COMPONENT (CX/2013/A0259 No.7 in Table 6)		Composite Material	PBB		1330	n.d.	
					PBDE		---	n.d.	
					Cr(VI)	n.d.		n.d.	
	8	ELECTRONIC COMPONENT (CX/2013/A0259 No.8 in Table 6)		Composite Material	Pb		---		
					Cd		---		
					Hg		---		
					Cr				
					Br				
					Cr(VI)	n.d.		---	
					PBB			---	
					PBDE			---	

Table 7 The confirming test results for point analysis on PCBA (Unit: mg/kg)


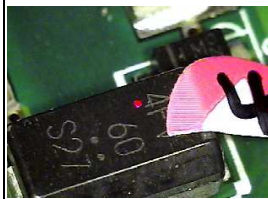

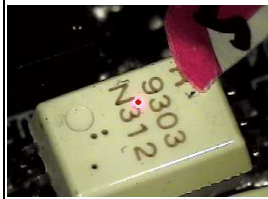


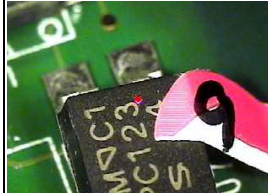
Type of Components	Description		Figure	MDL Category	Substance	UV	ICP-AES	GC-MS	Note
						Cr (VI)	Pb/Cd/Hg	PBB/PBDE	
	9	ELECTRONIC COMPONENT (CX/2013/A0259 No.9 in Table 6)		Composite Material	Pb		---		
					Cd		---		
	10	ELECTRONIC COMPONENT (CX/2013/A0259 No.10 in Table 6)		Composite Material	Hg		---		
					Cr		---		
	11	ELECTRONIC COMPONENT (CX/2013/A0259 No.11 in Table 6)		Composite Material	Br		---		
					Cr(VI)		---		
	12	ELECTRONIC COMPONENT (CX/2013/A0259 No.12 in Table 6)		Composite Material	PBB			n.d.	
					PBDE			n.d.	

Table 7 The confirming test results for point analysis on PCBA (Unit: mg/kg)




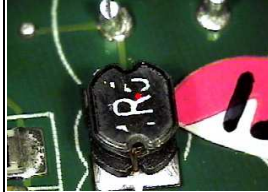
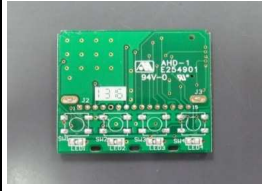





Type of Components	Description		Figure	MDL Category	Substance	UV	ICP-AES	GC-MS	Note	
						Cr (VI)	Pb/Cd/Hg	PBB/PBDE		
	13	RAW PCB (CX/2013/A0259 No.13 in Table 6)		Composite Material	Pb		---			
					Cd		---			
					Hg		---			
					Cr					
					Br					
					Cr(VI)					---
					PBB					n.d.
					PBDE					n.d.
	14	ELECTRONIC COMPONENT (CX/2013/A0259 No.14 in Table 6)		Composite Material	Pb		---			
					Cd		---			
					Hg		---			
					Cr					
					Br					
					Cr(VI)					---
					PBB					n.d.
					PBDE					n.d.
	15	RAW PCB (CX/2013/A0259 No.15 in Table 6)		Composite Material	Pb		---			
					Cd		---			
					Hg		---			
					Cr					
					Br					
					Cr(VI)					---
					PBB					n.d.
					PBDE					n.d.
	16	ELECTRONIC COMPONENT (CX/204/10107 No.1 in Table 3)		Composite Material	Pb		---			
					Cd		---			
					Hg		---			
					Cr					
					Br					
					Cr(VI)					---
					PBB					n.d.
					PBDE					n.d.

Table 7 The confirming test results for point analysis on PCBA (Unit: mg/kg)

Type of Components	Description		Figure	MDL Category	Substance	UV	ICP-AES	GC-MS	Note
						Cr (VI)	Pb/Cd/Hg	PBB/PBDE	
	17	ELECTRONIC COMPONENT (CX/204/10107 No.2 in Table 3)		Composite Material	Pb		---		
					Cd		---		
					Hg		---		
					Cr				
					Br	n.d.			
					Cr(VI)				
					PBB			---	
					PBDE			---	



Test Report

Report No.: CX/2014/10107A

Date: 2014/03/13

Test Item :	MDL (mg/kg)				XRF screening threshold (mg/kg)	Test method
XRF (X-ray fluorescence)	Category Element	Polymers	Composite Material	Metals	500 50 500 500 500 250	With reference to IEC 62321-3-1: 2013
	Pb	50	100	100		
	Cd	50	50	50		
	Hg	50	100	100		
	Cr	50	100	100		
	Br	50	100	n.a.		

Test Item (s):	Test method	MDL (mg/kg)	Facilities
Cr(VI)	With reference to IEC 62321: 2008 (For Polymers and Electronics)	2	UV
	With reference to IEC 62321: 2008 (For Coatings on Metals)	*	-
Pb/Cd	With reference to IEC 62321-5: 2013	2	ICP-AES
Hg	With reference to IEC 62321-4: 2013	2	ICP-AES

Test Item (s):	Unit	Method	MDL (mg/kg)
PBBs			
Monobromobiphenyl	mg/kg	With reference to IEC 62321: 2008. Determination of PBB and PBDE by GC/MS.	5
Dibromobiphenyl	mg/kg		5
Tribromobiphenyl	mg/kg		5
Tetrabromobiphenyl	mg/kg		5
Pentabromobiphenyl	mg/kg		5
Hexabromobiphenyl	mg/kg		5
Heptabromobiphenyl	mg/kg		5
Octabromobiphenyl	mg/kg		5
Nonabromobiphenyl	mg/kg		5
Decabromobiphenyl	mg/kg		5
PBDEs			
Monobromodiphenyl ether	mg/kg		5
Dibromodiphenyl ether	mg/kg		5
Tribromodiphenyl ether	mg/kg		5
Tetrabromodiphenyl ether	mg/kg		5
Pentabromodiphenyl ether	mg/kg		5
Hexabromodiphenyl ether	mg/kg		5
Heptabromodiphenyl ether	mg/kg		5
Octabromodiphenyl ether	mg/kg		5
Nonabromodiphenyl ether	mg/kg		5
Decabromodiphenyl ether	mg/kg		5

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Test Report

Report No.: CX/2014/10107A

Date: 2014/03/13

1. mg/kg = ppm
2. n.d. = not detected or lower than MDL
3. MDL = Method detection limit
4. "---" = not conducted
5. n.a. = not applicable
6. _*:

Spot-test:

Negative = Absence of Cr(VI) coating,

Positive = Presence of Cr(VI) coating;

(The tested sample should be further verified by boiling-water-extraction method if the spot test result cannot be confirmed.)

Boiling-water-extraction:

Negative = Absence of Cr(VI) coating

Positive = Presence of Cr(VI) coating; the detected concentration in boiling-water-extraction solution is equal or greater than 0.02 mg/kg with 50 cm² sample surface area.

7. The XRF result of Br for metal sample is conducted from semi-quantitative method of polymer.
8. Magnetic samples can not be located on test position and there are breakdown risks on XRF equipment. Therefore, this kind of sample will be conducted chemical test directly.
9. If the test result by EDXRF analysis is greater than XRF screening threshold, the test sample should be further conducted by chemical test.

Mark	Description of Mark
*1	The sample weight is not enough to conduct chemical tests.
*2	The item is exempted from RoHS directive.
--*2	The item might be exempted from RoHS directive.
*3	The result was retested after regetting the same sample from client.
*4	Sample(s) in this picture is/are provided from our client for the purpose of taking photos.
*5	The regotten sample was confirmed by BE EN ISO 3613:2001 and the result is shown here, due to the positive result of Cr (VI).
	Based upon the customer's requirement and information to calculate the coating thickness, the unit of the test result was converted into mg/kg.