



# TEST REPORT

Lab No. : (6206)174-0114(A-2)  
Date : July 06, 2006  
(Amended on July 12, 2006)  
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**Applicant**

申請人 : iTech Company LLC  
: 41758 Christy Street  
Fremont, CA 94538 USA

**Contact Person**

聯絡人 : —

**Date of Submission**

呈送日期 : June 23, 2006  
2006年06月23日

**Performance Date**

測試日期 : June 23, 2006 to July 03, 2006  
2006年06月23日至2006年07月03日

**Sample Description**

**Product Name** : 1u Monitor-Keyboard KVM drawer  
產品名稱

**Item No.** : BHK117/BHK119  
產品型號

**Buyer's Order No.** : —  
買家型號

**Sample Quantity** : 3  
送樣件數

**SUMMARY OF TEST RESULTS**

TEST REQUESTED	REMARK
Screening of Elements by Energy Dispersive X-Ray Fluorescence (EDXRF) Spectrometry according to 2002/95/EC	See result in page 2 to 3

BUREAU VERITAS CONSUMER PRODUCTS  
SERVICES (H.K.) LIMITED, TAIWAN BRANCH

STEFAN HSU  
ASSISTANT MANAGER  
CHEMICAL DIVISION

PREPARED BY : Michael Liao

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**TEST RESULT**

**Screening of Elements by Energy Dispersive X-Ray Fluorescence (EDXRF) Spectrometry according to 2002/95/EC**

Test Item	Location	Part No.	Part Name	Description	Test Results (ppm)					Conclusion
					Pb	Hg	Cd	Cr	Br	
01	Surface	—	Black metal plate	Black metal	ND	ND	ND	<500	NA	PASS
02		—	Black metal frame of LCD	Black metal	ND	ND	ND	<500	NA	PASS
03		—	Black metal shell	Black metal	ND	ND	ND	<500	NA	PASS
04		—	Grey and green plastic button	Grey/green plastics	ND	ND	ND	ND	D	See Remark 1
05		—	Black metal plate	Black metal	ND	ND	ND	<500	NA	PASS
06		—	Black metal shell	Black metal	ND	ND	ND	D	NA	See Remark 1
07		—	Black metal frame of LCD	Black metal	ND	ND	ND	<500	NA	PASS
08		—	Button	Grey plastic with white printing	ND	ND	ND	ND	ND	PASS
09		—	Black metal plate	Black metal	ND	ND	ND	ND	NA	PASS
10		—	Silver metal grip	Silver metal	ND	ND	ND	ND	NA	PASS
11		—	Metal lock	Silver metal	ND	ND	ND	D	NA	See Remark 1
12		—	Black metal frame	Black metal	ND	ND	ND	ND	NA	PASS
13		—	Button	Grey plastic with white printing	ND	ND	ND	ND	ND	PASS

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### TEST RESULT

#### Screening of Elements by Energy Dispersive X-Ray Fluorescence (EDXRF) Spectrometry according to 2002/95/EC

Test Item	Location	Part No.	Part Name	Description	Test Results (ppm)					Conclusion
					Pb	Hg	Cd	Cr	Br	
14	PCB	—	Plastic plate behind the PCB	Grey/light grey plastic	ND	ND	ND	ND	D	See Remark 1
15		—	Blue plastic of connector	Blue plastics	ND	ND	ND	ND	D	See Remark 1
16		—	White connector	White plastics	ND	ND	ND	ND	ND	PASS
17		—	Ivory port	Beige plastics	ND	ND	ND	ND	D	See Remark 1
18		—	White port	White plastic	ND	ND	ND	ND	D	See Remark 1
19		—	Silver metal radiator	Silver metal	ND	ND	ND	ND	NA	PASS
20		—	Silver metal radiator	Silver metal	ND	ND	ND	ND	NA	PASS
21		—	Green plastic over mold of PS2 transmission line	Green plastics	ND	ND	ND	ND	ND	PASS
22		—	Green plastic over mold of D-sub transmission line	Green plastics	ND	ND	ND	ND	ND	PASS
23		—	Blue plastic over mold of D-sub transmission line	Blue plastics	ND	ND	ND	ND	ND	PASS

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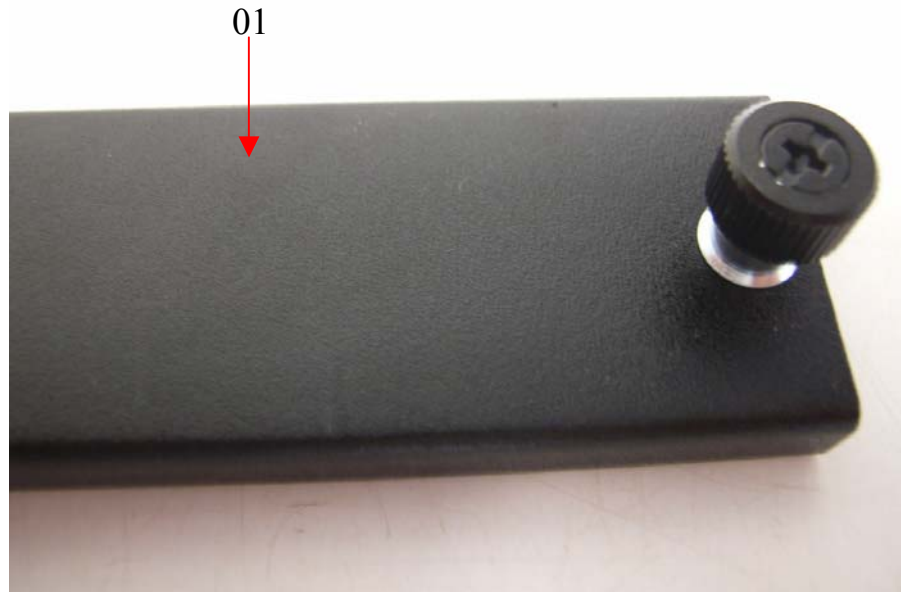
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### TEST RESULT

Screening of Elements by Energy Dispersive X-Ray Fluorescence (EDXRF) Spectrometry according to 2002/95/EC

Photograph(s) depicting component with detected elements



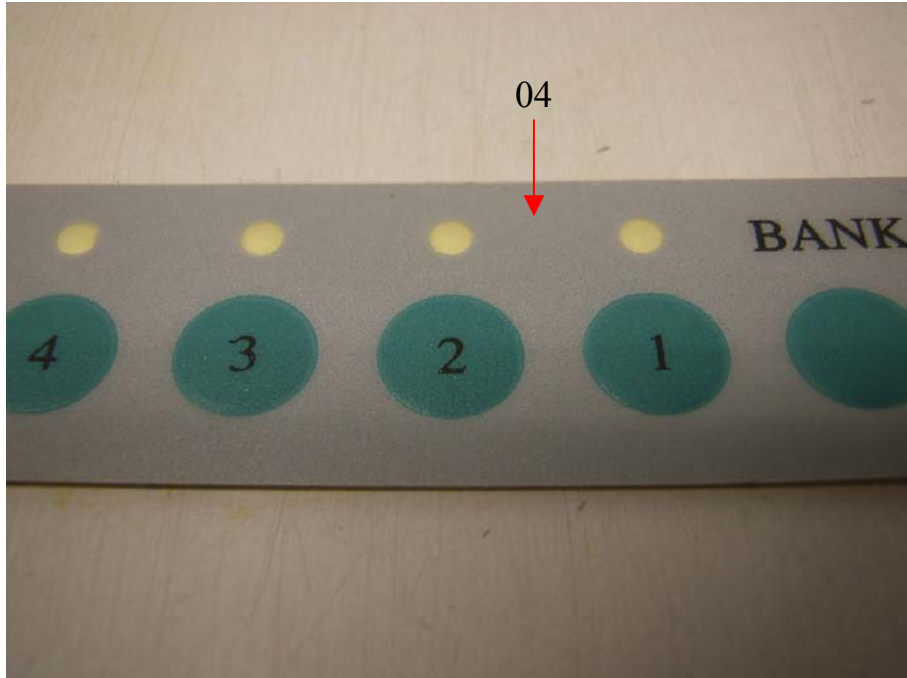
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**Photograph(s) depicting component with detected elements**



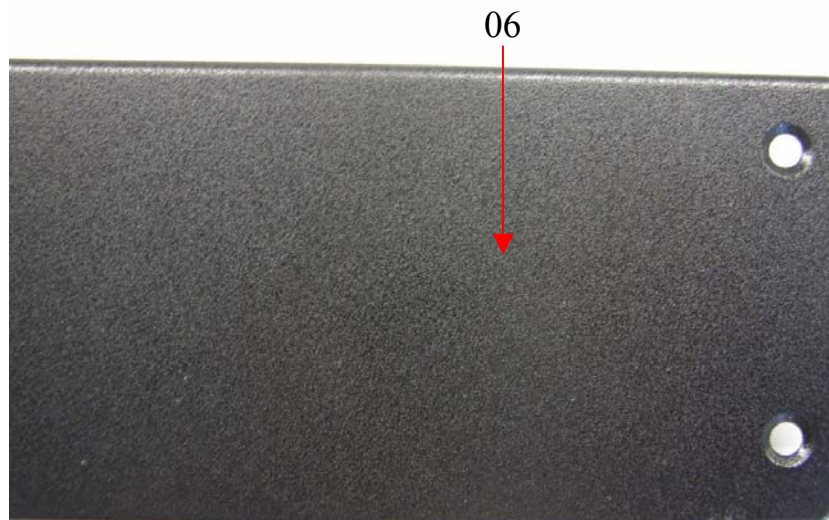
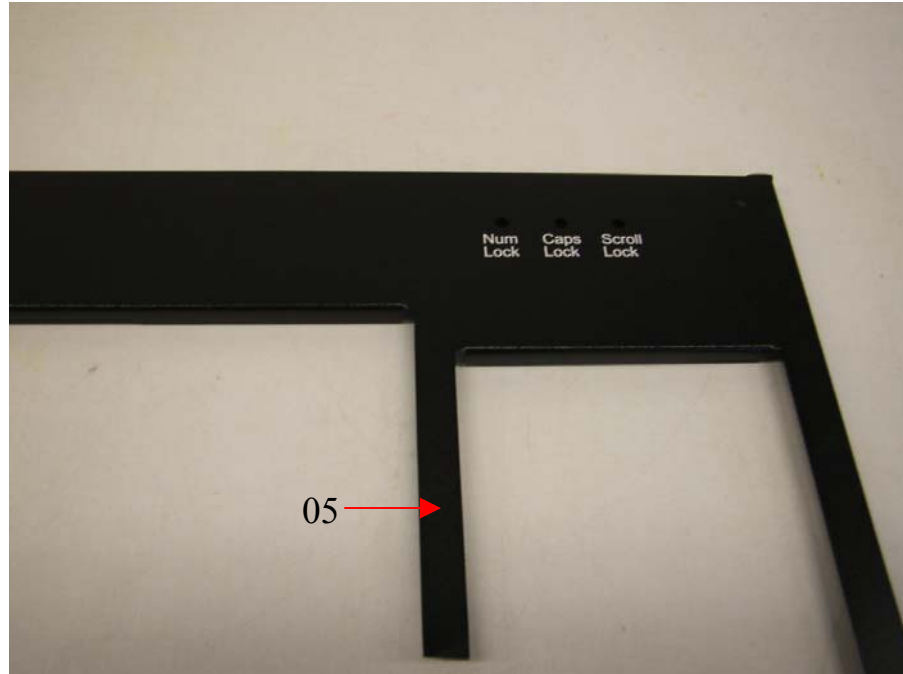
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**Photograph(s) depicting component with detected elements**



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**Photograph(s) depicting component with detected elements**

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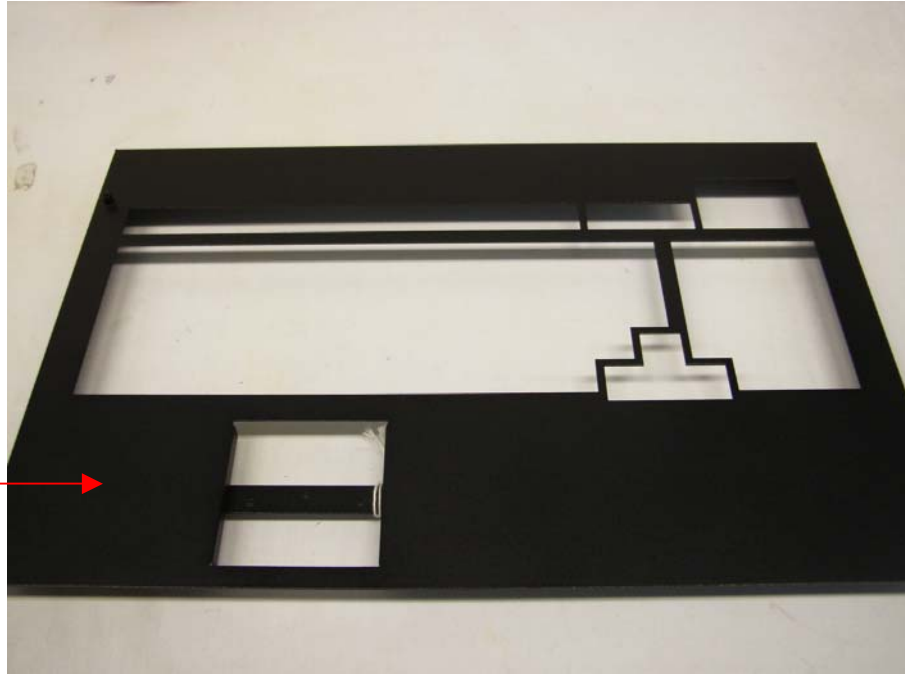


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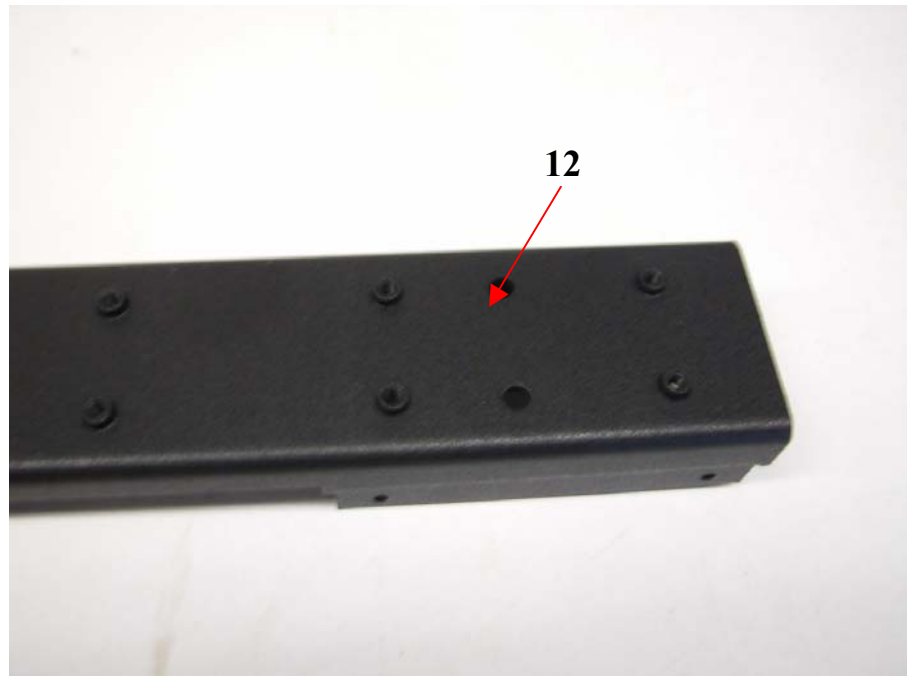




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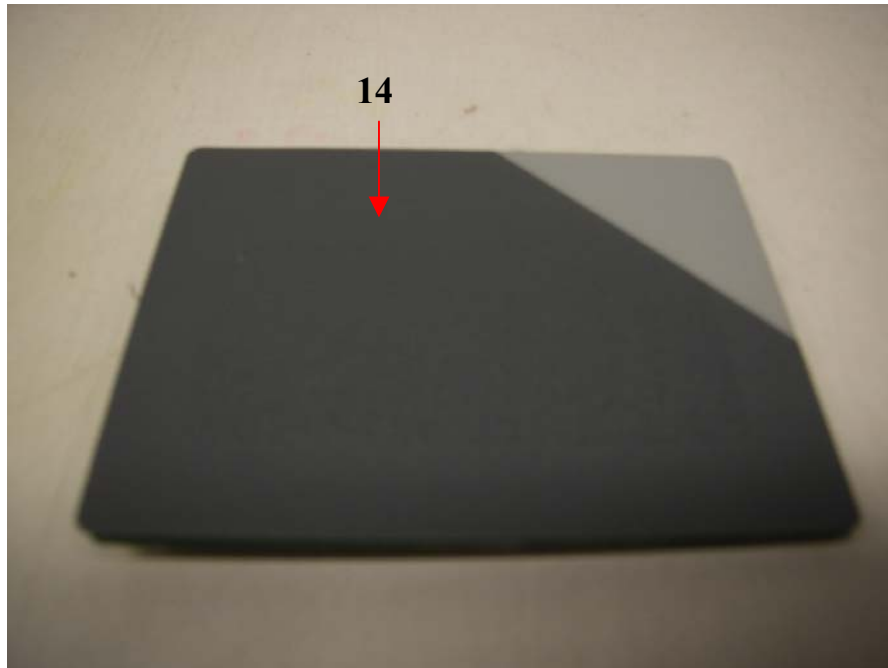
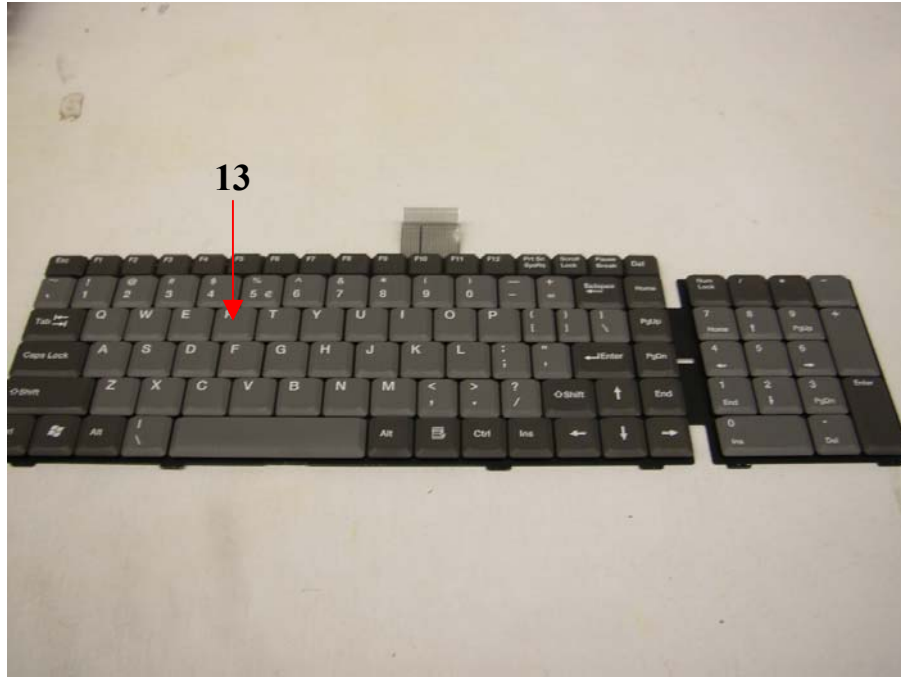
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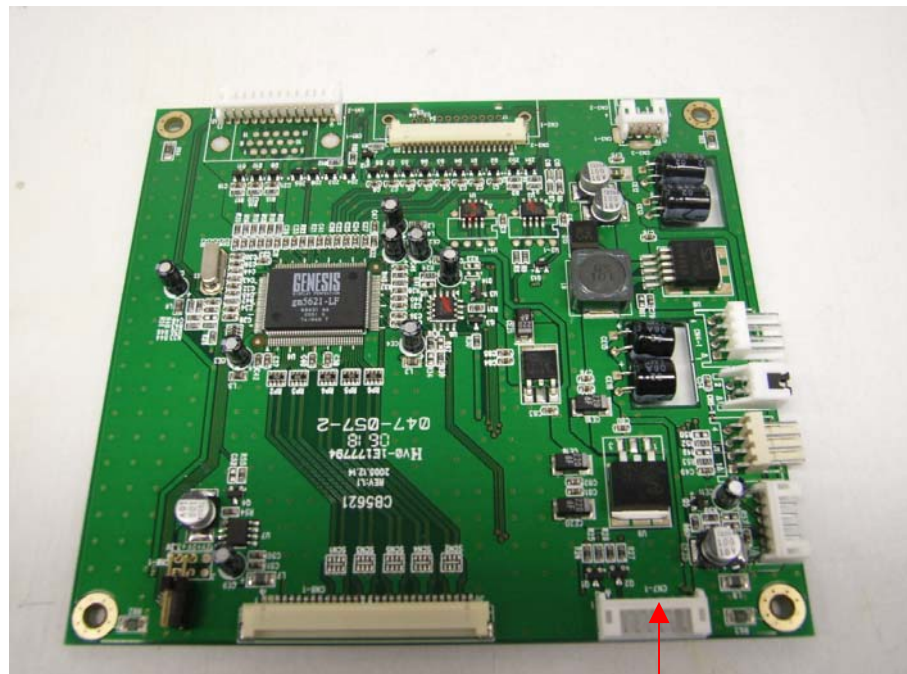
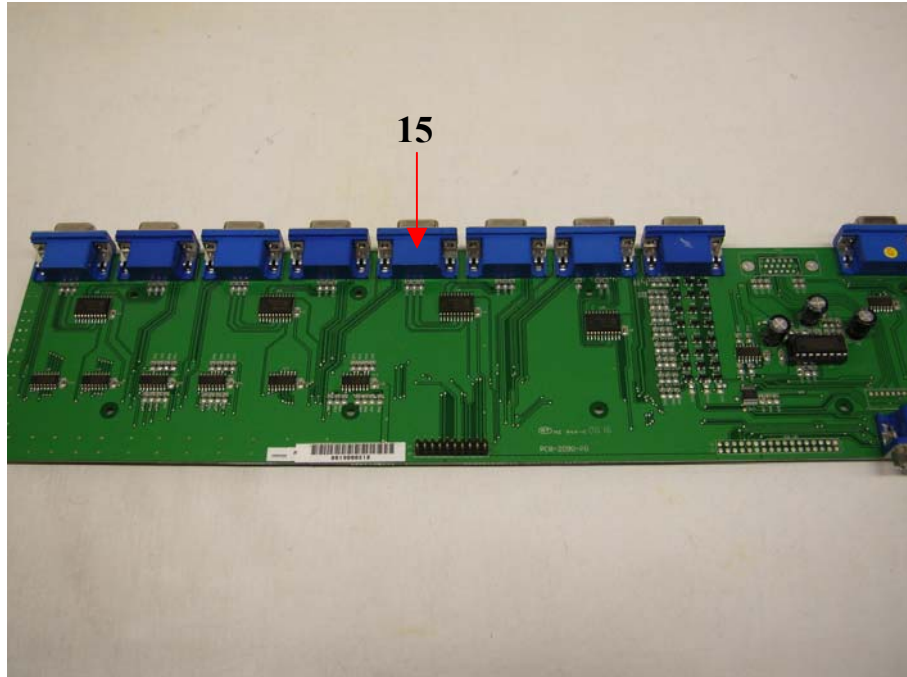
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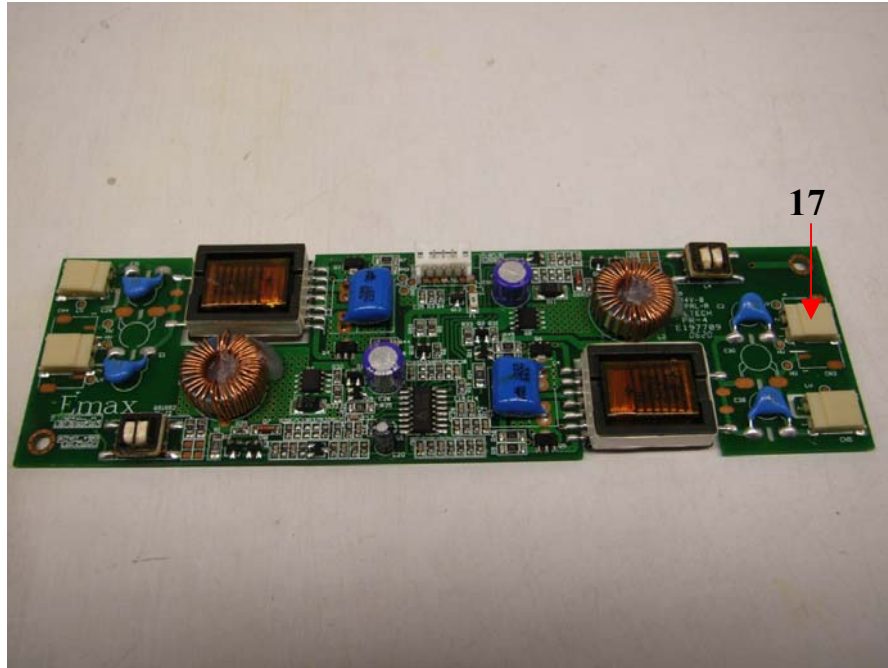
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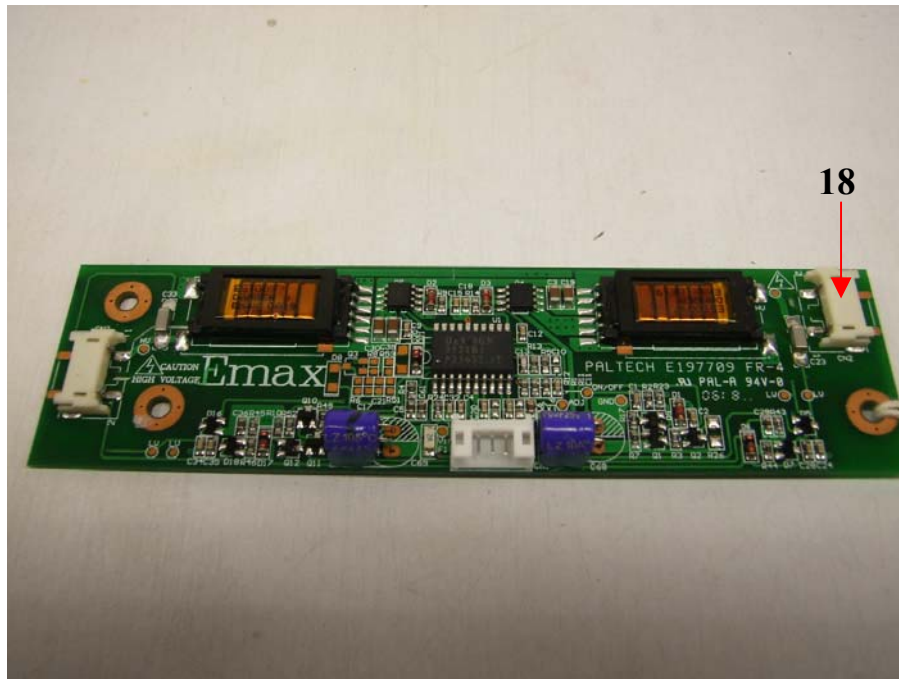
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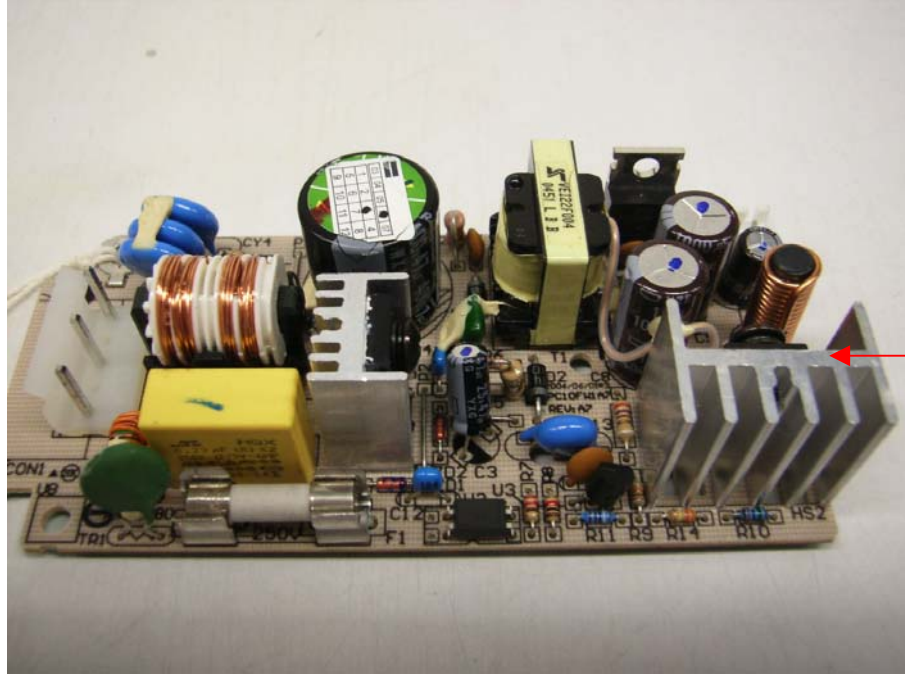
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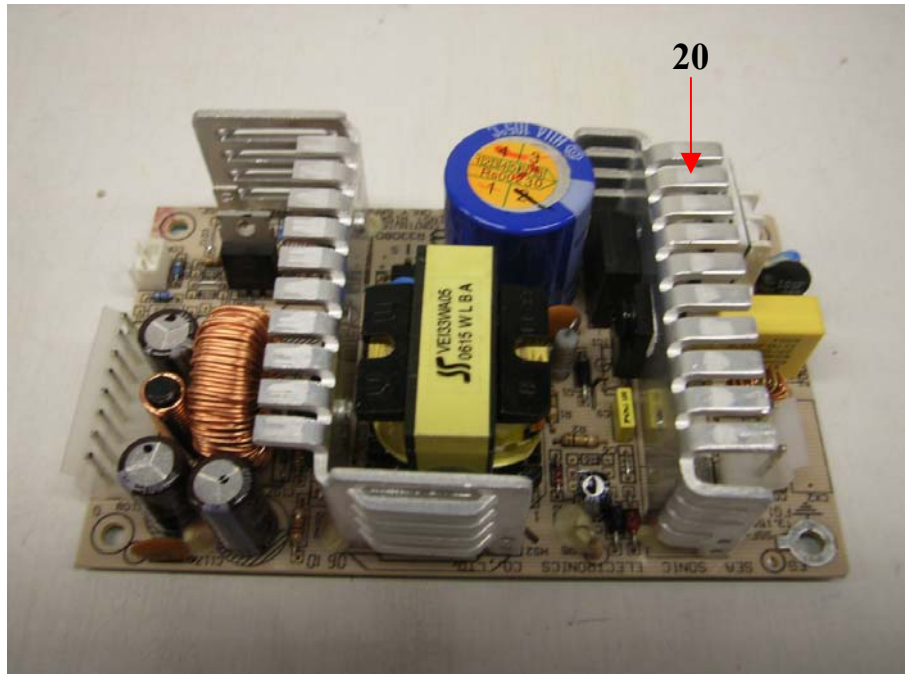
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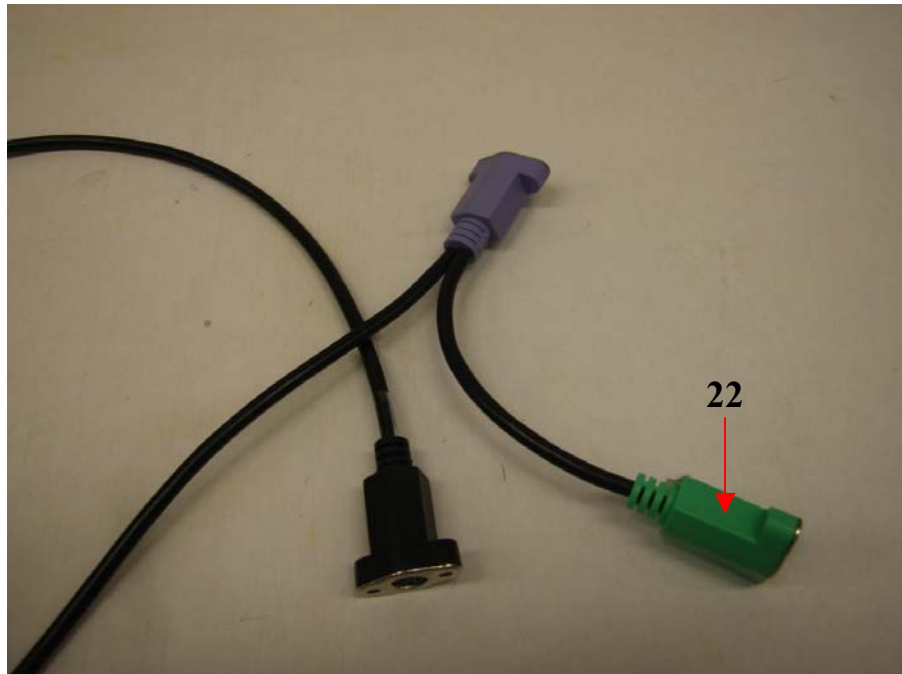
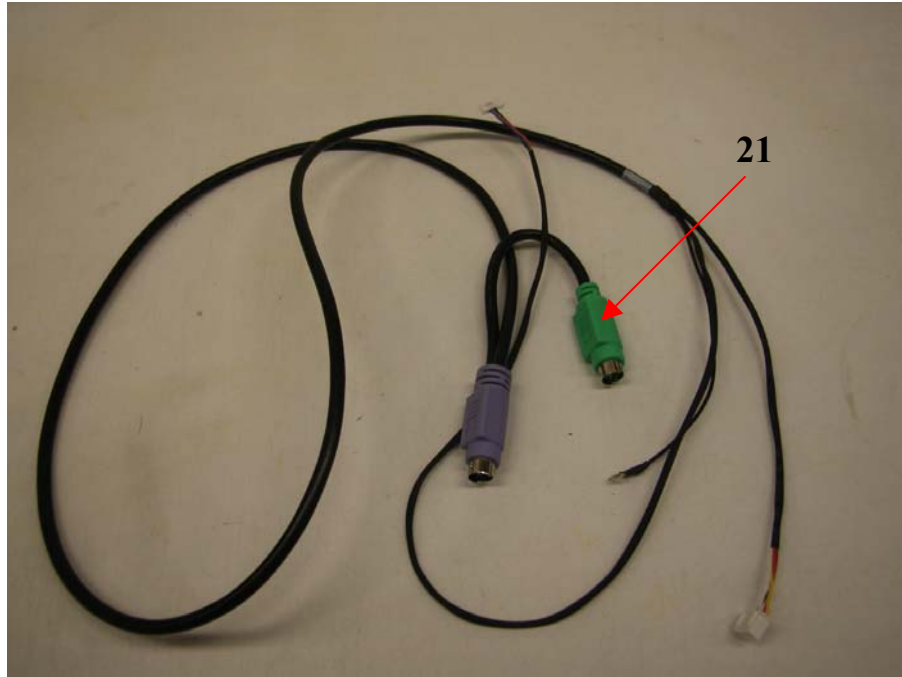
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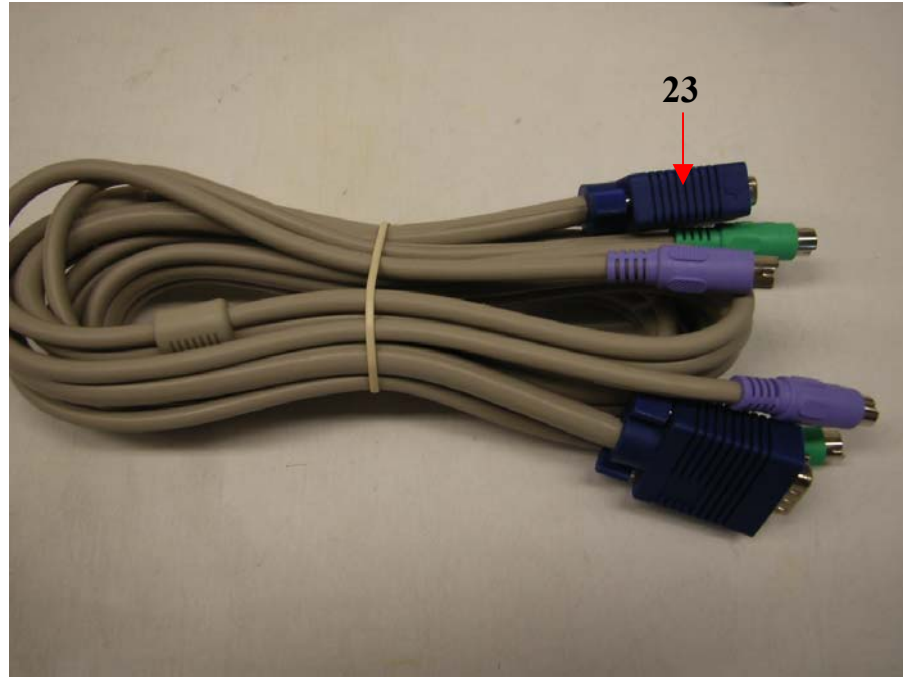
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## TEST RESULT

### Screening of Elements by Energy Dispersive X-Ray Fluorescence (EDXRF) Spectrometry according to 2002/95/EC

Remark:

1. Since potential positive detection of element in concern is observed, wet chemistry tests are recommended to be conducted in order to confirm compliance to RoHS Directive 2002/95/EC and amendments.
2. Separate testing of the constituents of the composite is recommended.
3. Polybrominated Biphenyls (PBBs) and Polybrominated Diphenyl Ethers (PBDEs) are screened as total bromine.
4. Chromium VI is screened as total chromium.

Note: Estimated detection limits (ppm) of XRF for regulated substances in various matrices.

Elements	Plastics	Metals	Electronics
Lead (Pb)	100	200	200
Mercury (Hg)	100	200	200
Cadmium (Cd)	50	100	100
Chromium (Cr)	100	200	200
Bromine (Br)	200	NA	200

Limit of Restriction of Hazardous Substances Directive (RoHS), 2005/618/EC:

Elements	RoHS' Limits (ppm)
Lead (Pb)	1000
Mercury (Hg)	1000
Cadmium (Cd)	100
Chromium VI (CrVI)	1000
Polybrominated Biphenyls (PBBs) (see remark)	1000
Polybrominated Diphenyl Ethers (PBDEs) (see remark)	1000

ND = Not Detected, below the estimated detection limits

D = Detected

NA = Not Applicable

Test Method: With reference to IEC 62321, Ed. 1 (TC 111 Working Group 3): Procedures for the determination of levels of regulated substances in electrotechnical products (Chapter 6)

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## Attachment:



Product 1

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Product 2

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Product 3

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