





APPROVAL SHEET

No. EE-061013

安勤科技股份有限公司

0000001787

☒ 合格 ☐ 不合格 ☐ 試用
 Approval Rejected Limited Qty. _____ PCS

送樣次數

☒ ☐ ☐ ☐ ☐
 1 2 3 4 5

品名	Inverter Cable 8P/1.25mm-5P/2.00mm 60cm for ECM-3713 & NEC 104PW201 (RoHS)
規格	
料號	1702130600R
使用機種	適用於:ECM-3713

製造商/代理商	快異點
廠商型號	1702130600R



備註

Remark

檢驗重點如螢光筆標示, "顏色 don't care "

檢驗者	Signature	OK/NG	Date
	郭沁群	OK	2006/07/20
審核	康有民	OK	2006/07/20
AE	胡政廷	OK	2006/07/25
Web Update			
資料中心	任雅欣	OK	2006/07/25
審核	黃意婷	OK	2006/07/25
備註	1、以上所記，已經檢驗過，並給予承認。 2、本單不能代替採購單及其它用途。 3、如涉及專利及法律之問題，應由送樣廠商負全責。		

附件	型式		發行單位					
	實物 ／ 書面	電子檔	工程	採購	廠商	品保	研發	資料中心
廠商承認書	☐	☒	☐	☐	☒	☒	☐	☒
樣品	☐	☒	☐	☐	☐	☐	☐	☒
圖檔	☐	☐	☐	☐	☐	☐	☐	☐
BIOS	☐	☐	☐	☐	☐	☐	☐	☐
Gerber	☐	☐	☐	☐	☐	☐	☐	☐
PCB 底片	☐	☐	☐	☐	☐	☐	☐	☐
	☐	☐	☐	☐	☐	☐	☐	☐

QD4-015 Rev.A4

安勤科技 測試報告

Rev.A2

料號	1702130600R		測試日期	2006/07/20
品名規格	Inverter Cable 8P/1.25mm-5P/2.00mm 60cm for ECM-3713 & NEC 104PW201 (RoHS)			
使用機種	適用於:ECM-3713		測試樣品數	3 PCS
測試項目	勾選	項目	測試條件	結果
	☒	外觀	目檢	☒ Pass ☐ NG
	☐	材質		☐ Pass ☐ NG
	☒	電氣特性	電表量測	☒ Pass ☐ NG
	☐	機械強度		☐ Pass ☐ NG
	☐	實裝動作		☐ Pass ☐ NG
	☐	破壞實驗		☐ Pass ☐ NG
	☐	顏色		☐ Pass ☐ NG
	☐	尺寸		☐ Pass ☐ NG
	☐	沾錫性		☐ Pass ☐ NG
	☐	壽命實驗		☐ Pass ☐ NG
	☐	安規		☐ Pass ☐ NG
	☐			☐ Pass ☐ NG
	☐			☐ Pass ☐ NG
使用儀器	三用電表			
備註				
測試結果	☒ 符合測試條件及規格 ☐ 不符合，原因略述			
單位主管	康有民		檢驗者	郭沁群

QD4-017

第0020關

支號：0010 (流程角色：直屬主管) 表單關係人

收件人員	簽核人員	收件時間	2006/07/20 11:15:51	簽核時間	2006/07/20 12:06:29	簽核結果	同意
004 康有民	004 康有民					歷史簽核紀錄	

第0030關

支號：0010 (流程角色：員工) 297 胡政廷

收件人員	簽核人員	收件時間	2006/07/20 12:06:29	簽核時間	2006/07/25 16:13:49	簽核結果	同意
297 胡政廷	297 胡政廷						歷史簽核紀錄

第0050關

支號：0010 (流程角色：員工) 032 任雅欣

收件人員	簽核人員	收件時間	2006/07/25 16:13:49	簽核時間	2006/07/25 17:37:24	簽核結果	同意
032 任雅欣	032 任雅欣						歷史簽核紀錄

第0060關

支號：0010 (流程角色：直屬主管) 關號= 0050 支號= 0010

收件人員	簽核人員	收件時間	2006/07/25 17:37:24	簽核時間	2006/07/25 18:02:45	簽核結果	同意
027 黃意婷	027 黃意婷						歷史簽核紀錄

第0070關

支號：0010 (流程角色：員工) 032 任雅欣

收件人員	簽核人員	收件時間	2006/07/25 18:02:45	簽核時間	2006/07/25 18:04:53	簽核結果	同意
032 任雅欣	032 任雅欣						歷史簽核紀錄



樣品承認書

客戶：安勤科技股份有限公司

機種：

料號：1702130600R



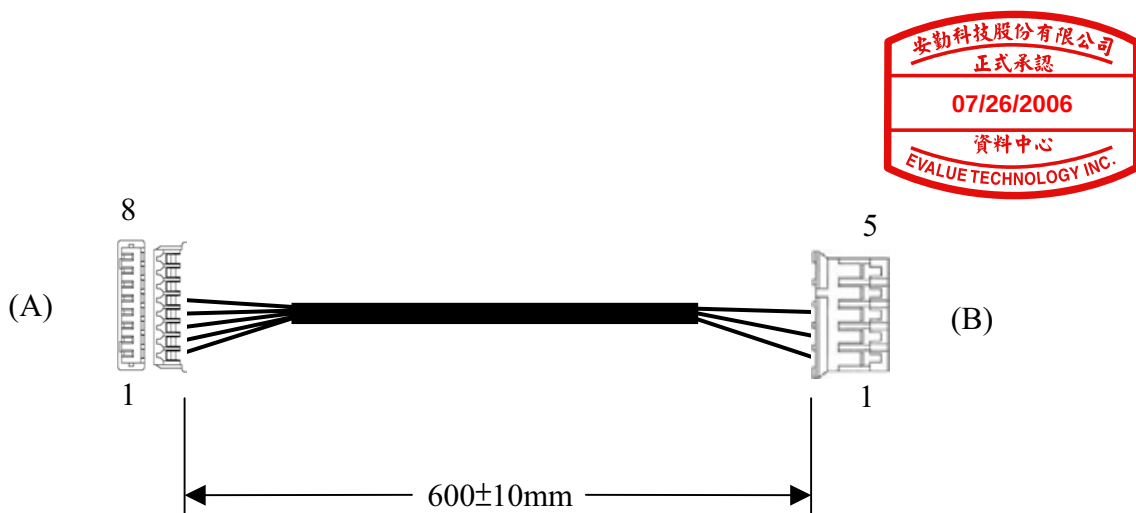
快異點企業有限公司

TEL：03-4526538

FAX：03-4614614

E-mail：ideal508@ms35.hinet.net

部號	品 名	規 格	用 量
A	CN 1	MOLEX 51021-0800 或同等級 WL1025H-08	1PCS
B	CN 2	PHR-5 或同等級 WL2000H-05	1PCS
C	熱縮套管	如附件	1PCS



CN1		CN2	
PIN NO#	Function	PIN NO#	Function
1	VDDDB(9-15V)	1	+12V
2	VDDDB(9-15V)	1	+12V
3	GNDB	2	GND
4	GNDB	2	GND
5	BRTC	3	ENBKL
6	BRTI	-	NC
7	BRTH	-	NC
8	AM	-	NC

備註：線材使用 UL1571 28AWG OD:0.84mm

客戶名稱	安勤科技股份有限公司	快異點企業有限公司			
客戶料號	1702130600R	版次	1	單位	mm
		料號		日期	2006/7/17

德安電線電纜股份有限公司

DER AN ELECTRIC WIRE & CABLE CO., LTD.

UL STYLE: 1571 80°C 30V

USE: FOR INTERNAL WIRING OF CLASS 2 CIRCUITS IN ELECTRONIC EQUIPMENT



ITEM		DESCRIPTION
No. of Core 芯線數		1 Cores 芯
Conductor 導體	Material 材質	Tinned Copper Wire Stranded 鍍錫銅絞線
	Construction 結構	28AWG ; 7 strands (股) / 0.127 ± 0.008 mm
Insulation 絕緣	Material 材質	SR-PVC
	Thickness 厚度	0.23 mm
	Diameter 外徑	0.84 ± 0.05 mm

Marking: None

ELECTRICAL PROPERTIES

- 1.Voltage rating(額定電壓)： 30V
- 2.Temperature rating(額定溫度)： 80°C
- 3.Spark Test (火花電壓)： Min. AC-500V
- 4.Dielectric Strength (耐壓強度)： Min. AC-500V/ 1 min
- 5.Insulation resistance (絕緣電阻)： Min. 2.5 Mega Ohms-km at 20°C
- 6.Conductor resistance (導體電阻)： Max. 237 Ohms/km at 20°C

PHYSICAL PROPERTIES

1. Flame Test of Cable (耐燃測試)： VW-1 (芯線垂直燃燒)
2. Deformation(加熱變形試驗)： Max. 50% @ 121°C , 1 Hour
3. Heat Shock Test (熱衝擊試驗)： No Crack @ 121°C , 1 Hour
4. Cold Bend Test (冷彎試驗)： No Crack @ -10°C , 1 Hour

DRWN.	Jiang	SPEC NO.: D0500	Construction: 28AWG x 1C
APPD.		DATE: Jan.-31-2000	



AVLV2.E74020 Appliance Wiring Material - Component

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[Questions?](#)

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Appliance Wiring Material - Component

Guide Information

DER AN ELECTRIC WIRE & CABLE CO LTD
48 AN FONG RD
HSIN TIEN CITY
TAIPEI, TAIWAN

E74020

Table of Recognized Styles							
Single-conductor, thermoplastic insulation.							
1007	1095	1176	1354	1497	1571	1685	1774
1015	1107	1185	1365	1500	1589	1691	1777
1061	1113	1195	1489	1503	1598	1692	1792
1071	1150	1208	1490	1533	1642	1731	
Multiple-conductor, thermoplastic insulation.							
2092	2405	2517	2574	2725	2851	2990	20276
2095	2428	2547	2576	2789	2854	20095	20379
2096	2464	2560	2590	2791	2919	20197	20855
2097	2514	2562	2668	2835	2960	20251	

Marking: Company name, voltage rating, temperature rating, conductor size, conductor material if other than copper, and use.

LOOK FOR THE RECOGNITION MARK See General Information Preceding These Recognitions

For use only with equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.



Test Report

DER AN ELECTRIC WIRE & CABLE CO., LTD.
NO. 48, AN-FONG ROAD, HSIN-TIEN CITY, TAIPEI,
TAIWAN

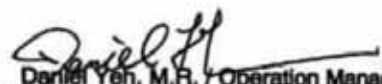
Report No. : CE/2006/10811
Date : 2006/01/11
Page : 1 of 4

The following merchandise was (were) submitted and identified by the client as :

Type of Product : UL STYLE 1571
Style/Item No : WHITE, RED, BLACK, YELLOW, GREEN, BLUE,
BROWN, ORANGE, GRAY, VIOLET, PINK, LIGHT
BLUE, LIGHT GREEN
Sample Received : 2006/01/04
Testing Date : 2006/01/04 TO 2006/01/11

=====

Test Result : - Please see the next page -


Daniel Yeh, M.R. / Operation Manager
Signed for and on behalf of
SGS TAIWAN LTD.

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Test Report

DER AN ELECTRIC WIRE & CABLE CO., LTD.
NO. 48, AN-FONG ROAD, HSIN-TIEN CITY, TAIPEI,
TAIWAN

Report No. : CE/2006/10811
Date : 2006/01/11
Page : 2 of 4

Test Result

PART NAME NO.1 : MIXED ALL PARTS

Test Item (s):	Unit	Method	MDL	Result
				No.1
Monobromobiphenyl	%	With reference to USEPA3540C or USEPA3550C. Analysis was performed by HPLC/DAD, LC/MS or GC/MS. (prohibited by 2002/95/EC (RoHS), 83/264/EEC, and 76/769/EEC)	0.0005	N.D.
Dibromobiphenyl	%		0.0005	N.D.
Tribromobiphenyl	%		0.0005	N.D.
Tetrabromobiphenyl	%		0.0005	N.D.
Pentabromobiphenyl	%		0.0005	N.D.
Hexabromobiphenyl	%		0.0005	N.D.
Heptabromobiphenyl	%		0.0005	N.D.
Octabromobiphenyl	%		0.0005	N.D.
Nonabromobiphenyl	%		0.0005	N.D.
Decabromobiphenyl	%		0.0005	N.D.
Total PBBs (Polybrominated biphenyls)/Sum of above	%		-	N.D.
Monobromobiphenyl ether	%	With reference to USEPA3540C or USEPA3550C. Analysis was performed by HPLC/DAD, LC/MS or GC/MS. (prohibited by 2002/95/EC (RoHS), 83/264/EEC, and 76/769/EEC)	0.0005	N.D.
Dibromobiphenyl ether	%		0.0005	N.D.
Tribromobiphenyl ether	%		0.0005	N.D.
Tetrabromobiphenyl ether	%		0.0005	N.D.
Pentabromobiphenyl ether	%		0.0005	N.D.
Hexabromobiphenyl ether	%		0.0005	N.D.
Heptabromobiphenyl ether	%		0.0005	N.D.
Octabromobiphenyl ether	%		0.0005	N.D.
Nonabromobiphenyl ether	%		0.0005	N.D.
Decabromobiphenyl ether	%		0.0005	N.D.
Total PBBEs(PBDEs) (Polybrominated biphenyl ethers)/Sum of above	%		-	N.D.
Total of Mono to Nona-brominated biphenyl ether. (Note 4)	%		-	N.D.

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Test Report

DER AN ELECTRIC WIRE & CABLE CO., LTD.
NO. 48, AN-FONG ROAD, HSIN-TIEN CITY, TAIPEI,
TAIWAN

Report No. : CE/2006/10811
Date : 2006/01/11
Page : 3 of 4

Test Item (s):	Unit	Method	MDL	Result
				No. 1
Chromium VI (Cr+6)	ppm	UV-VIS after reference to US EPA 3060A.	2	N.D.
Cadmium (Cd)	ppm	ICP-AES after reference to EN 1122, method B:2001 or other acid digestion.	2	N.D.
Mercury (Hg)	ppm	ICP-AES after reference to US EPA 3052 or other acid digestion.	2	N.D.
Lead (Pb)	ppm	ICP-AES after reference to US EPA 3050B or other acid digestion.	2	35.2

NOTE: (1) N.D. = Not detected (<MDL)

(2) ppm = mg/kg

(3) MDL = Method Detection Limit

(4) Decabromodiphenyl ether (DecaBDE) in polymeric applications is exempted by Commission Decision of 13 Oct 2005 amending Directive 2002/95/EC notified under document 2005/717/EC.

(5) PBBEs=PBDEs=Polybrominated Diphenyl Ethers=PBDOs=PBBOs.

(6) " - " = Not Regulation

Test Report

DER AN ELECTRIC WIRE & CABLE CO., LTD.
NO. 48, AN-FONG ROAD, HSIN-TIEN CITY, TAIPEI,
TAIWAN

Report No. : CE/2006/10811
Date : 2006/01/11
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820 P03 SEP 09

SGS

Test Report

JONG LIAN ELECTRIC WIRE & CABLE CO., LTD.
NO. 13, LANE 206, HSIN SHU ROAD, HSIN CHUANG,
TAIPEI HSIEN, TAIWAN, R. O. C.

Report No. : CE/2005/66034
Date : 2005/07/04
Page : 2 of 3

Test Result

PART NAME NO.1 : SILVER COLORED WIRE (PLEASE REFER TO THE PHOTO ATTACHED)

PASS

Test Item (s):	Unit	Method	MDL	Result No.1	Spec.
EN 71 PART 3 Heavy metal content		As per EN 71 PART 3 : 1994 (A1 : 2000) (EN 71 & BS 5665 are identical)			
Soluble Lead (Pb)	ppm	ICP-AES	5	< 5.0	90
Soluble Antimony (Sb)	ppm	ICP-AES	5	< 5.0	60
Soluble Arsenic (As)	ppm	ICP-AES	2.5	< 2.5	25
Soluble Barium (Ba)	ppm	ICP-AES	10	< 10.0	1000
Soluble Cadmium (Cd)	ppm	ICP-AES	5	< 5.0	75
Soluble Chromium (Cr)	ppm	ICP-AES	5	< 5.0	60
Soluble Mercury (Hg)	ppm	ICP-AES	5	< 5.0	60
Soluble Selenium (Se)	ppm	ICP-AES	5	< 5.0	500

Test Item (s):	Unit	Method	MDL	Result No.1	Spec.
Chromium VI (Cr+6)	ppm	UV-VIS after reference to US EPA 3060A.	2	N.D.	-
Cadmium (Cd)	ppm	ICP-AES after reference to EN 1122, method B:2001 or other acid digestion.	2	N.D.	-
Mercury (Hg)	ppm	ICP-AES after reference to US EPA 3052 or other acid digestion.	2	N.D.	-
Lead (Pb)	ppm	ICP-AES after reference to US EPA 3050B or other acid digestion.	2	N.D.	-

NOTE: (1) N.D. = Not detected (<MDL)
(2) ppm = mg/kg
(3) MDL = Method Detection Limit
(4) " - " = No Regulation



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SGS Taiwan Ltd. No. 33 Wu Chyuan Road, Wuka Industrial Zone, Taipei County, Taiwan. / 台北縣五股工業區五權路33號
台灣檢驗科技股份有限公司 (886-2) 2209-3939 (886-2) 2209-3237 www.tw.sgs.com

Member of SGS Group

22025884 22025884

828 P0

07/26/2006 08:23

SGS

Test Report

JONG LIAN ELECTRIC WIRE & CABLE CO., LTD.
NO. 13, LANE 206, HSIN SHU ROAD, HSIN CHUANG,
TAIPEI HSIEN, TAIWAN, R. O. C.

Report No. : CE/2005/66034
Date : 2005/07/04
Page : 3 of 3



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1899367

SGS Taiwan Ltd. / No. 33 WJ Chyuan Road, Wuku Industrial Zone, Taipei County, Taiwan / 台北縣五股工業區五權路33號
台灣檢驗科技股份有限公司 / (886-2) 2299-3236 / (886-2) 2299-3237
www.taiwan.sgs.com

TOTAL P.05



HAMBURG INDUSTRIES CO.,LTD

6FL, No.12, Lane 270, Sec.3, Pei Shen Rd., Shen Keng Hsiang, Taipei Hsien, Taiwan 222



規格尺寸 Product sizes

規格 Size(mm)	收縮前(mm) As supplied		收縮后(mm) After recovery		包裝 Standard length (M/卷)
	內徑 Inside diameter	壁厚 Wall thickness	內徑 Inside diameter (max.)	壁厚 Wall thickness (min.)	
Φ0.8	1.0 ± 0.2	0.10 ± 0.03	0.5	0.20	200
Φ1.0	1.4 ± 0.2	0.10 ± 0.03	0.6	0.20	200
Φ1.5	1.9 ± 0.2	0.10 ± 0.03	0.75	0.20	200
Φ2.0	2.4 ± 0.2	0.12 ± 0.03	1.0	0.20	200
Φ2.5	2.8 ± 0.3	0.13 ± 0.05	1.25	0.25	200
Φ3.0	3.4 ± 0.3	0.13 ± 0.05	1.5	0.25	200
Φ3.5	3.9 ± 0.3	0.13 ± 0.05	1.75	0.25	200
Φ4.0	4.4 ± 0.3	0.15 ± 0.05	2.0	0.25	200
Φ5.0	5.5 ± 0.3	0.15 ± 0.05	2.5	0.25	100
Φ6.0	6.5 ± 0.3	0.15 ± 0.05	3.0	0.28	100
Φ7.0	7.5 ± 0.3	0.15 ± 0.05	3.5	0.28	100
Φ8.0	8.6 ± 0.4	0.15 ± 0.05	4.0	0.28	100
Φ9.0	9.6 ± 0.4	0.15 ± 0.05	4.5	0.28	100
Φ10.0	10.6 ± 0.4	0.15 ± 0.05	5.0	0.28	100
Φ11.0	11.6 ± 0.4	0.18 ± 0.05	5.5	0.28	100
Φ12.0	12.6 ± 0.4	0.20 ± 0.05	6.0	0.28	100
Φ13.0	13.6 ± 0.4	0.20 ± 0.05	6.5	0.30	100
Φ14.0	14.6 ± 0.4	0.20 ± 0.05	7.0	0.30	100
Φ15.0	15.6 ± 0.5	0.20 ± 0.05	7.5	0.32	100
Φ16.0	16.6 ± 0.5	0.20 ± 0.05	8.0	0.36	100
Φ18.0	18.6 ± 0.5	0.22 ± 0.05	9.0	0.36	100
Φ20.0	21.0 ± 1.0	0.25 ± 0.05	10.0	0.36	50
Φ22.0	23.0 ± 1.0	0.25 ± 0.05	11.0	0.40	50
Φ25.0	26.0 ± 1.0	0.25 ± 0.05	12.5	0.40	50

HAMBURG H-2 (CB)

Ordering Information

Color

Standard: Black (-BK), White(-WH), Red(-RD), Blue(-BL), Yellow(-YL), Green(-GR),
Nonstandard: Available upon request.

Nonstandard size: Special sizes are available upon request.

Standard packaging: On spools, Cut pieces are available upon request.

Ordering description: Specify product type, size(mm or inch)and color.

For further information, please contact:

Tel: 886 2 2662 8882 Fax: 886 2 2662 7201-2 E-mail: Taipei@hamburg.com.tw URL: <http://www.hamburg.com.tw>



YDPU2 July 5, 2005
Tubing, Extruded Insulating - Component
HAMBURG INDUSTRIES CO LTD
6TH FL 12 LANE 270 PEI SHEN RD, SEC 3, SHEN KENG
HSIANG, TAIPEI HSIEN 222 TAIWAN

E255394

Cat. No.	Max V	Max Oper Temp	Shrinkdown Class	Col Recognized	Max Temp Rated Oil Resistance * C	VW-1 Rated #
Heat shrinkable polyolefin tubing H-2(+)	600	125	All except CL	—	Yes	

*Tubing is considered to comply with the optional oil resistant requirements only if it is so marked.

#Tubing is considered to comply with the optional VW-1 flammability requirements only if it is so marked.

VW-1 flammability rating limited to Black color only.

+ in the designation represents CTMS/TMS.

7/6/2005

Underwriters Laboratories Inc.

Card 1 of 2

YDPU2 July 5, 2005
Tubing, Extruded Insulating - Component
HAMBURG INDUSTRIES CO LTD

E255394

Marking: Company name or "E214175", Recognized Component Mark, the catalog designation, temperature rating in degrees C, and voltage rating appear on tags attached to both ends of the tubing or on the shipping spool label or smallest unit container.

7/6/2005

Underwriters Laboratories Inc.

Card 2 of 2



Test Report

漢保實業股份有限公司
222台灣省台北縣深坑鄉北深路三段270巷12號6樓

報告號碼 : CE/2005/74048A
日期 : 2005/07/27
頁數 : 1 of 7

以下測試樣品乃供應廠商所提供及確認：

樣品名稱 : HEAT SHRINKABLE TUBE
產品型號 : HAMBURG H-2 TUBE
收件日期 : 2005/07/20.
測試日期 : 2005/07/20 TO 2005/07/27

=====
測試結果 : - 請見下一頁 -


Daniel Yeh, M.R., Operation Manager
Signed for and on behalf of
SGS TAIWAN LTD.

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Test Report

漢保實業股份有限公司
222台灣省台北縣深坑鄉北深路三段270巷12號6樓

報告號碼：CE/2005/74048A
日期：2005/07/27
頁數：2 of 7

測試結果

測試部位 NO.1：黑色塑膠套管有白色印刷(請參照附件圖片)

測試項目：	單位	測試方法	偵測極限值	結果 NO.1
石棉				
斜方角閃石(CAS NO.017068-78-9)	**	參考 NIOSH 9000 / X光繞射定性分析法(XRD)	-	Negative
青石棉(CAS NO.012001-28-4)	**	參考 NIOSH 9000 / X光繞射定性分析法(XRD)	-	Negative
棕石棉(CAS NO.012172-73-5)	**	參考 NIOSH 9000 / X光繞射定性分析法(XRD)	-	Negative
透閃石(CAS NO.014567-73-8)	**	參考 NIOSH 9000 / X光繞射定性分析法(XRD)	-	Negative
白石棉(CAS NO.012001-29-5)	**	參考 NIOSH 9000 / X光繞射定性分析法(XRD)	-	Negative
陽起石(CAS NO.013768-00-8)	**	參考 NIOSH 9000 / X光繞射定性分析法(XRD)	-	Negative

測試項目：	單位	測試方法	偵測極限值	結果 NO.1
偶氮(AZO)		參考德國1998年1月FOODSTUFFS AND COMMODITY ARTICLES ACT B82.02-2方法		
4-氯基二苯(CAS NO. 000092-67-1)	ppm	以氣相層析質譜儀和薄層色層等相關技術檢測分析	3	N.D.
聯苯胺(CAS NO. 00092-87-5)	ppm	以氣相層析質譜儀和薄層色層等相關技術檢測分析	3	N.D.
4-氯鄰甲苯胺(CAS NO. 000095-69-2)	ppm	以氣相層析質譜儀和薄層色層等相關技術檢測分析	3	N.D.
2-萘胺(CAS NO. 000091-59-8)	ppm	以氣相層析質譜儀和薄層色層等相關技術檢測分析	3	N.D.
鄰氨基二甲基偶氮(CAS NO. 000097-56-3)	ppm	以氣相層析質譜儀和薄層色層等相關技術檢測分析	3	N.D.
對硝基鄰甲苯胺(CAS NO. 000099-55-8)	ppm	以氣相層析質譜儀和薄層色層等相關技術檢測分析	3	N.D.
對氯苯胺(CAS NO. 000106-47-8)	ppm	以氣相層析質譜儀和薄層色層等相關技術檢測分析	3	N.D.

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測試項目：	單位	測試方法	偵測極限值	結果
				NO.1
4-甲氧基-間苯二胺(CAS NO. 000615-05-4)	ppm	以氣相層析質譜儀和薄層色層等相關技術檢測分析	3	N.D.
4,4-二氨基二苯甲烷(CAS NO. 000101-77-9)	ppm	以氣相層析質譜儀和薄層色層等相關技術檢測分析	3	N.D.
3,3-二甲聯苯胺(CAS NO. 000091-94-1)	ppm	以氣相層析質譜儀和薄層色層等相關技術檢測分析	3	N.D.
3,3-二甲氧基聯苯胺(CAS NO. 000119-90-4)	ppm	以氣相層析質譜儀和薄層色層等相關技術檢測分析	3	N.D.
3,3-二基聯苯胺(CAS NO. 000119-93-7)	ppm	以氣相層析質譜儀和薄層色層等相關技術檢測分析	3	N.D.
4,4-二胺基-3,3-二甲氧基聯苯(CAS NO. 000838-88-0)	ppm	以氣相層析質譜儀和薄層色層等相關技術檢測分析	3	N.D.
2-甲氧基-5-甲氧基聯苯(CAS NO. 000120-71-8)	ppm	以氣相層析質譜儀和薄層色層等相關技術檢測分析	3	N.D.
4,4-亞甲基雙(氣苯胺)(CAS NO. 000101-14-)	ppm	以氣相層析質譜儀和薄層色層等相關技術檢測分析	3	N.D.
4-4-氧化雙苯胺(CAS NO. 000101-80-4)	ppm	以氣相層析質譜儀和薄層色層等相關技術檢測分析	3	N.D.
4,4-硫代雙苯胺(CAS NO. 000139-65-1)	ppm	以氣相層析質譜儀和薄層色層等相關技術檢測分析	3	N.D.
鄰甲苯胺(CAS NO. 000095-53-4)	ppm	以氣相層析質譜儀和薄層色層等相關技術檢測分析	3	N.D.
2,4-二胺基甲苯(CAS NO. 000095-80-7)	ppm	以氣相層析質譜儀和薄層色層等相關技術檢測分析	3	N.D.
2,4,5-三甲基苯胺(CAS NO. 000137-17-7)	ppm	以氣相層析質譜儀和薄層色層等相關技術檢測分析	3	N.D.
鄰氨基苯甲醚(CAS NO. 000090-04-0)	ppm	以氣相層析質譜儀和薄層色層等相關技術檢測分析	3	N.D.
對氨基偶氮苯(CAS NO. 000060-09-3)	ppm	以氣相層析質譜儀和薄層色層等相關技術檢測分析	3	N.D.

測試項目：	單位	測試方法	偵測極限值	結果
				NO.1
氯化石蠟(C10-C13)	%	參考USEPA3540C 或 USEPA3550C方法，以氣相層析儀/電子捕捉偵測器或質譜儀(GC/ECD or GC/MS)檢	0.01	N.D.

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報告號碼 : CE/2005/74048A
日期 : 2005/07/27
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測試項目:	單位	測試方法	偵測極限值	結果 NO.1
福馬林(甲醛)(CAS No:000050-00-0)	ppm	甲醛定量分析,參考DIN 53315方法,以高效液相層析儀/二極體陣列偵測器/質譜儀(HPLC/DAD/MS)檢測	0.2	N.D.

測試項目:	單位	測試方法	偵測極限值	結果 NO.1
多氯聯苯(PCBs)	ppm	參考 USEPA 8082A方法,以氣相層析質譜儀/電子捕捉偵測器/質譜儀(GC/ECD/MS)檢測	0.5	N.D.

測試項目:	單位	測試方法	偵測極限值	結果 NO.1
一溴聯苯	%	本測試參考USEPA3540C 或 USEPA3550C方法,以氣相層析儀/質譜儀(GC/MS)或高效液相層析儀/二極體陣列偵測器/質譜儀(HPLC/DAD/MS)檢測之(參考歐盟規範 2002/95/EC (RoHS), 83/264/EEC, 76/769/EEC)	0.0005	N.D.
二溴聯苯	%		0.0005	N.D.
三溴聯苯	%		0.0005	N.D.
四溴聯苯	%		0.0005	N.D.
五溴聯苯	%		0.0005	N.D.
六溴聯苯	%		0.0005	N.D.
七溴聯苯	%		0.0005	N.D.
八溴聯苯	%		0.0005	N.D.
九溴聯苯	%		0.0005	N.D.
十溴聯苯	%		0.0005	N.D.
總多溴聯苯(PBBs)/以上總和	%		-	N.D.
一溴聯苯醚	%	本測試參考USEPA3540C 或 USEPA3550C方法,以氣相層析儀/質譜儀(GC/MS)或高效液相層析儀/二極體陣列偵測器/質譜儀(HPLC/DAD/MS)檢測之(參考歐盟規範 2002/95/EC (RoHS), 83/264/EEC, 76/769/EEC)	0.0005	N.D.
二溴聯苯醚	%		0.0005	N.D.
三溴聯苯醚	%		0.0005	N.D.
四溴聯苯醚	%		0.0005	N.D.
五溴聯苯醚	%		0.0005	N.D.
六溴聯苯醚	%		0.0005	N.D.
七溴聯苯醚	%		0.0005	N.D.
八溴聯苯醚	%		0.0005	N.D.
九溴聯苯醚	%		0.0005	N.D.
十溴聯苯醚	%		0.0005	N.D.
總多溴聯苯醚(PBBEs/PBDEs)/以上總和	%		-	N.D.

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測試項目：	單位	測試方法	偵測極限值	結果
				NO.1
聚氯乙烯(PVC)	**	聚氯乙烯定性分析,以紅外線光譜分析法搭配垂直式全反射配件(FTIR/ATR)或熱裂解氣相層析質譜儀(Pyrolyzer/GC/MS)檢測	-	Negative

測試項目：	單位	測試方法	偵測極限值	結果
				NO.1
有機錫				
三苯基錫	ppm	參考DIN38407 / 89/677/EEC方法,以氣相層析儀/火焰光度偵器(GC/FPD)檢測有機錫定量分析	0.03	N.D.
三丁基錫	ppm	參考DIN38407 / 89/677/EEC方法,以氣相層析儀/火焰光度偵器(GC/FPD)檢測有機錫定量分析	0.03	N.D.

測試項目：	單位	測試方法	偵測極限值	結果
				NO.1
多氯三聯苯(PCTs)	ppm	參考USEPA 8082A方法,以氣相層析質譜儀(GC/MS)檢測	0.5	N.D.

測試項目：	單位	測試方法	偵測極限值	結果
				NO.1
六價鉻	ppm	依照US EPA 3060A方法,用UV-VIS做分析	2	N.D.
鎘	ppm	依照 EN1122 方法B:2001或其他酸消化方法,用感應耦合電漿原子發射光譜儀(ICP-AES)做分析	2	N.D.
汞	ppm	依照 US EPA 3052 方法或其他酸消化方法,用感應耦合電漿原子發射光譜儀(ICP-AES)做分析	2	N.D.
鉛	ppm	依照 US EPA 3050B 方法或其他酸消化方法,用感應耦合電漿原子發射光譜儀(ICP-AES)做分析	2	22.5



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測試項目:	單位	測試方法	偵測極限值	結果
				NO.1
多氯奈(PCNs)	ppm	以氣相層析質譜儀(GC/MS)檢測	5	N.D.

備註:(1) N.D. = Not detected.($<$ MDL) / 未檢出(低於偵測極限值)

(2) ppm = mg/kg / 百萬分之一

(3) MDL= Method Detection Limit(偵測極限值)

(4) " - " = Not Regulation / 無規格值

(5) " --- " = Not Applicable / 未測項目

(6) **定性分析(無單位)

(7) Negative / 陰性(未偵測到), Positive / 陽性(已偵測到)

(8) * = 表示依法規規定調整之數據

(9) 若為氯化石蠟中單一化合物,則偵測極限為5ppm



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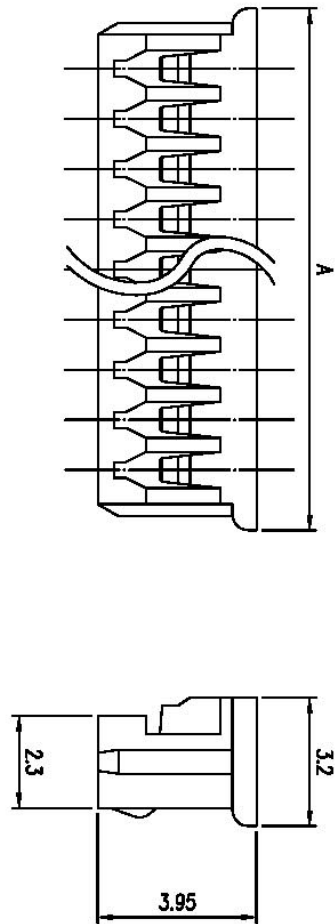
報告號碼 : CE/2005/74048A
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SGS EVALUETECHNOLOGY INC.

NO. 136-1, Wu Kung Road, Wuku Industrial Zone, Taipei county, Taiwan.
t(886-2) 22993939 f(886-2) 2299-3237 www.sgs.com.tw

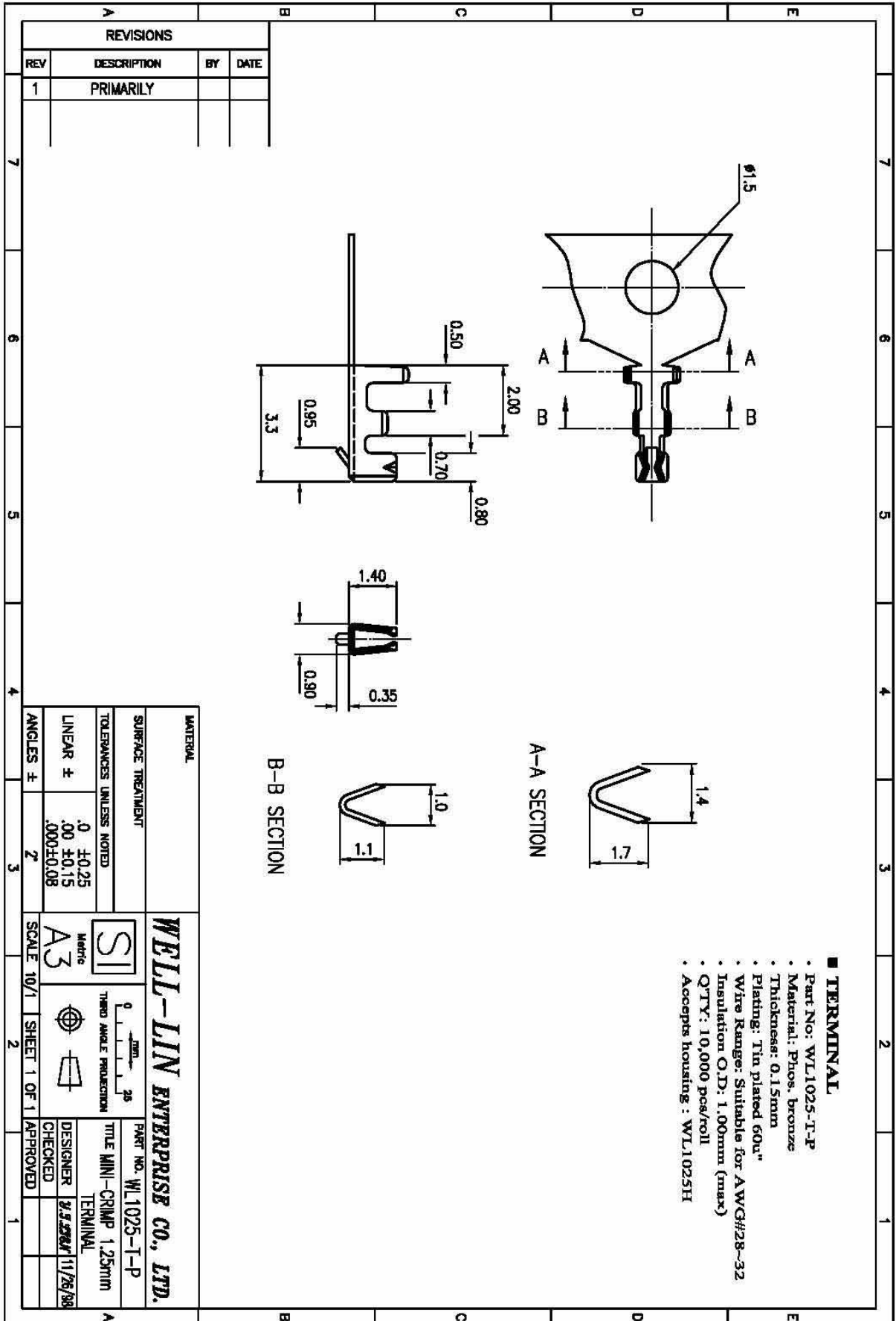


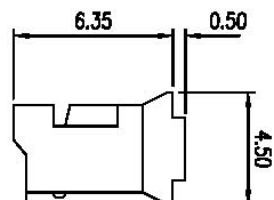
- HOUSING
- Part No: WL1025H
 - Material: PBT, UL94V-0
 - Pitch: 1.25mm (.049")
 - Poles: 2~15
 - Accepts terminals : WL1025-T-P
- WL1025-G-P

CIRCUITS	PART NO.	DIMENSION	
		A	B
2	WL1025H-02	4.25	2.95
3	WL1025H-03	5.50	4.20
4	WL1025H-04	6.75	5.45
5	WL1025H-05	8.00	6.70
6	WL1025H-06	9.25	7.95
7	WL1025H-07	10.50	9.20
8	WL1025H-08	11.75	10.45
9	WL1025H-09	13.00	11.70
10	WL1025H-10	14.25	12.95
11	WL1025H-11	15.50	14.20
12	WL1025H-12	16.75	15.45
13	WL1025H-13	18.00	16.70
14	WL1025H-14	19.25	17.95
15	WL1025H-15	20.50	19.20

REVISIONS			
REV	DESCRIPTION	BY	DATE
1	PRIMARILY		

MATERIAL		WELL-LIN ENTERPRISE CO., LTD.	
SURFACE TREATMENT		PART NO. WL1025H-XX	
TOLERANCES UNLESS NOTED		TITLE 1.25mm(.049")	
LINEAR ±		CENTER HOUSING	
.0 ±0.25		DESIGNER 2/5/2007/11/19/98	
.000 ±0.08		CHECKED	
ANGLES ±		APPROVED	
2°			
SCALE 8/1		SHEET 1 OF 1	
Metric A3		APPROVED	
THIRD ANGLE PROJECTION			

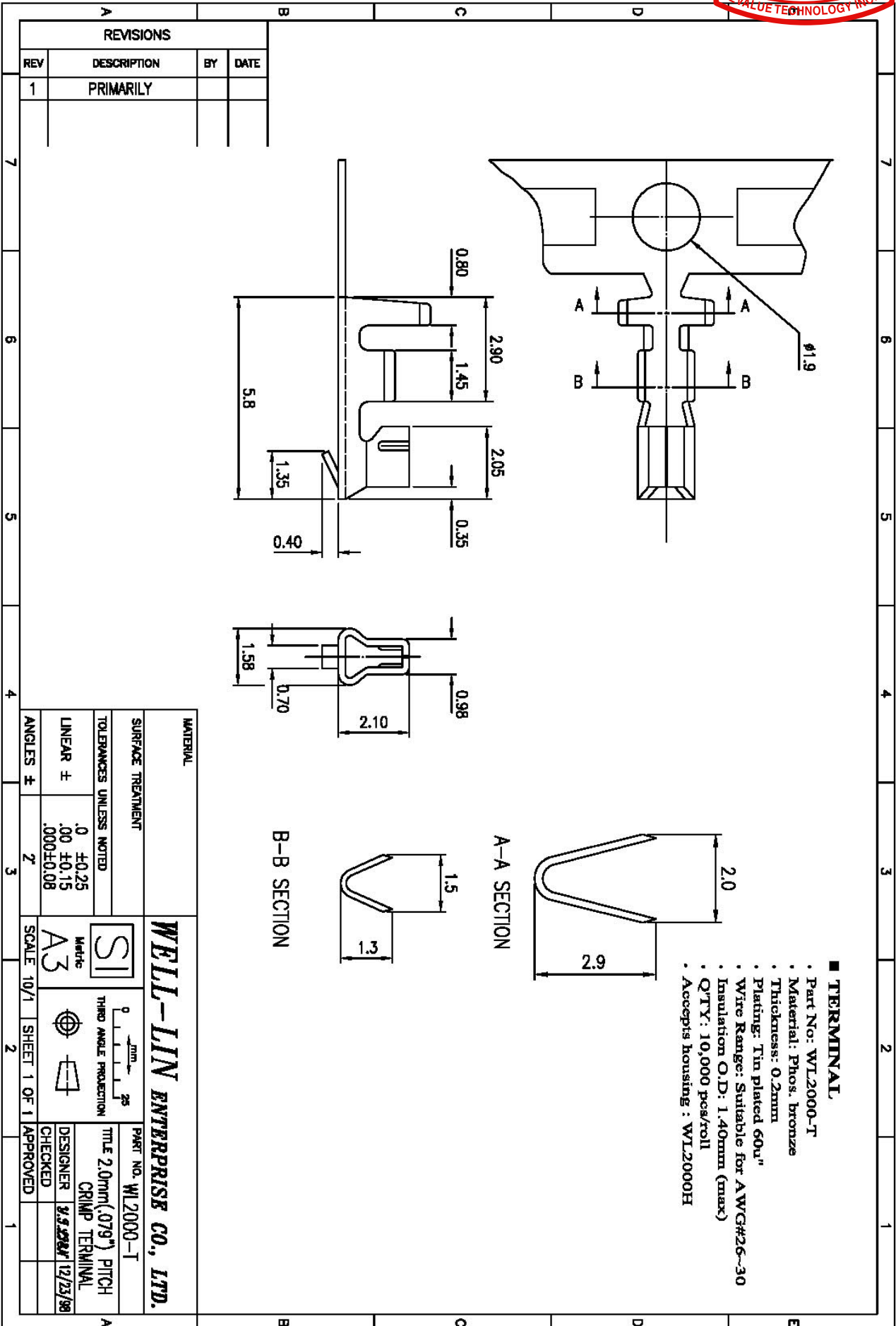




CIRCUITS	PART NO.	DIMENSION	
		A	B
2	WL2000H-02	2.0	5.8
3	WL2000H-03	4.0	7.8
4	WL2000H-04	6.0	9.8
5	WL2000H-05	8.0	11.8
6	WL2000H-06	10.0	13.8
7	WL2000H-07	12.0	15.8
8	WL2000H-08	14.0	17.8
9	WL2000H-09	16.0	19.8
10	WL2000H-10	18.0	21.8
11	WL2000H-11	20.0	23.8
12	WL2000H-12	22.0	25.8
13	WL2000H-13	24.0	27.8
14	WL2000H-14	26.0	29.8
15	WL2000H-15	28.0	31.8

MATERIAL		  	
SURFACE TREATMENT			
TOLERANCES UNLESS NOTED			
LINEAR ±	.0 ±0.25 .00 ±0.15 .000±0.08		
ANGLES ±	2°	 THIRD ANGLE PROJECTION	
SCALE 5/1		SHEET 1 OF 1	PART NO. WL2000H-XX TITLE 2.0mm(.079") CENTER HOUSING DESIGNER <i>W.S. JONES</i> 12/23/96 CHECKED APPROVED

WELL-LIN ENTERPRISE CO., LTD.





Test Report

WELL-LIN ENTERPRISE CO., LTD.

No. 73, SEC. 1, PEI-I RD., HSIN-TIEN CITY, TAIPEI HSIEN,
TAIWAN, R. O. C.

Report No. : CE/2005/91478

Date : 2005/09/14

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The following merchandise was (were) submitted and identified by the client as :

<u>Type of Product</u>	:	HOUSING
<u>Style/Item No</u>	:	1010-H、1019-H、1058-H、1025-H、1256-H、1259-H、 1500-H、1501-H、2000-H、2030-H、2005-H、5020-H、 2015-H、2501-H、5015-H、2513-H、5011-H、2500-H、 2520-H、2530-H、2510-H、2550-H、3040-H、3500-H、 4000-H、3022-H、3025-H、3960-H、3964-H、6100-H、 5557-H、5559-H
<u>Buyer/Order No</u>	:	CABLE ASSEMBLY MAKER
<u>Manufacturer/Vendor</u>	:	WELL-LIN ENTERPRISE CO., LTD.
<u>Country of Origin</u>	:	TAIWAN、CHINA
<u>Sample Received</u>	:	2005/09/08
<u>Testing Date</u>	:	2005/09/08 TO 2005/09/14

=====

Test Result : - Please see the next page -


Daniel Yeh, M.R. / Operation Manager
Signed for and on behalf of
SGS TAIWAN LTD.

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WELL-LIN ENTERPRISE CO., LTD.

No. 73, SEC. 1, PEI-I RD., HSIN-TIEN CITY, TAIPEI HSIEN,
TAIWAN, R. O. C.

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Test Result

PART NAME NO.1 : MIXED WHITE/IVORY PLASTIC HOUSING (PLEASE
REFER TO THE PHOTO ATTACHED)

Test Item (s):	Unit	Method	MDL	Result
				No.1
Monobromobiphenyl	%	With reference to USEPA3540C or USEPA3550C. Analysis was performed by HPLC/DAD, LC/MS or GC/MS. (prohibited by 2002/95/EC (RoHS), 83/264/EEC, and 76/769/EEC)	0.0005	N.D.
Dibromobiphenyl	%		0.0005	N.D.
Tribromobiphenyl	%		0.0005	N.D.
Tetrabromobiphenyl	%		0.0005	N.D.
Pentabromobiphenyl	%		0.0005	N.D.
Hexabromobiphenyl	%		0.0005	N.D.
Heptabromobiphenyl	%		0.0005	N.D.
Octabromobiphenyl	%		0.0005	N.D.
Nonabromobiphenyl	%		0.0005	N.D.
Decabromobiphenyl	%		0.0005	N.D.
Total PBBs (Polybrominated biphenyls)/Sum of above	%		-	N.D.
Monobromobiphenyl ether	%	With reference to USEPA3540C or USEPA3550C. Analysis was performed by HPLC/DAD, LC/MS or GC/MS. (prohibited by 2002/95/EC (RoHS), 83/264/EEC, and 76/769/EEC)	0.0005	N.D.
Dibromobiphenyl ether	%		0.0005	N.D.
Tribromobiphenyl ether	%		0.0005	N.D.
Tetrabromobiphenyl ether	%		0.0005	N.D.
Pentabromobiphenyl ether	%		0.0005	N.D.
Hexabromobiphenyl ether	%		0.0005	N.D.
Heptabromobiphenyl ether	%		0.0005	N.D.
Octabromobiphenyl ether	%		0.0005	N.D.
Nonabromobiphenyl ether	%		0.0005	N.D.
Decabromobiphenyl ether	%		0.0005	N.D.
Total PBDEs(PBDEs)(Polybromin ated biphenyl ethers)/Sum of above	%		-	N.D.

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No. 73, SEC. 1, PEI-I RD., HSIN-TIEN CITY, TAIPEI HSIEN,
TAIWAN, R. O. C.

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Test Item (s):	Unit	Method	MDL	Result
				No.1
Chromium VI (Cr+6)	ppm	UV-VIS after reference to US EPA 3060A.	2	N.D.
Cadmium (Cd)	ppm	ICP-AES after reference to EN 1122, method B:2001 or other acid digestion.	2	N.D.
Mercury (Hg)	ppm	ICP-AES after reference to US EPA 3052 or other acid digestion.	2	N.D.
Lead (Pb)	ppm	ICP-AES after reference to US EPA 3050B or other acid digestion.	2	13.3

NOTE: (1) N.D. = Not detected (<MDL)
(2) ppm = mg/kg
(3) MDL = Method Detection Limit
(4) " - " = No Regulation



Test Report

WELL-LIN ENTERPRISE CO., LTD.

No. 73, SEC. 1, PEI-I RD., HSIN-TIEN CITY, TAIPEI HSIEN,
TAIWAN, R. O. C.

Report No. : CE/2005/91478

Date : 2005/09/14

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Test Report

WELL-LIN ENTERPRISE CO., LTD.

No. 73, SEC. 1, PEI-I RD., HSIN-TIEN CITY, TAIPEI HSIEN,
TAIWAN, R. O. C.

Report No. : CE/2005/91593

Date : 2005/09/15

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The following merchandise was (were) submitted and identified by the client as :

Type of Product : TERMINAL TIN PLATED (THICKNESS :
0.12mm~0.25mm)

Style/Item No : 1010-T-T-S · 1025-T-T-S · 1251-T-T-S · 1253-T-T-S ·
1255-T-T-S · 1500-T-T-S · 2000-T-T-S · 2030-T-T-S ·
2005-T-T-S · 2300-T-T-S · 2500-T-T-S · 2505-T-T-S ·
2520-T-T-S · 2530-T-T-S · 5011-T-T-S · 5020-T-T-S ·
2015-T-T-S · 2501-T-T-S · 5015-T-T-S · 2510-T-T-S ·
6008-T-T-S · 6010-T-T-S · 2542-T-F-T · 2542-T-M-T ·
7058-T-T-S · 3500-T-T-S · 4000-T-T-S · 3040-T-T-S ·
3022-T-T-S · 3025-T-T-S · 2320-T-T-S · 2325-T-T-S ·
3960-T-T-S · 5556-T-T-S · 5558-T-T-S .

Buyer/Order No : CABLE ASSEMBLY MAKER

Manufacturer/Vendor : WELL-LIN ENTERPRISE CO., LTD.

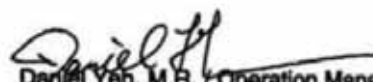
Country of Origin : TAIWAN · CHINA

Sample Received : 2005/09/08

Testing Date : 2005/09/08 TO 2005/09/15

=====

Test Result : - Please see the next page -


Daniel Yeh, M.R. / Operation Manager
Signed for and on behalf of
SGS TAIWAN LTD.

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Test Result

PART NAME NO.1 : MIXED ALL SILVER COLORED METAL TERMINAL
(PLEASE REFER TO THE PHOTO ATTACHED)

Test Item (s):	Unit	Method	MDL	Result
				No.1
Monobromobiphenyl	%	With reference to USEPA3540C or USEPA3550C. Analysis was performed by HPLC/DAD, LC/MS or GC/MS. (prohibited by 2002/95/EC (RoHS), 83/264/EEC, and 76/769/EEC)	0.0005	N.D.
Dibromobiphenyl	%		0.0005	N.D.
Tribromobiphenyl	%		0.0005	N.D.
Tetrabromobiphenyl	%		0.0005	N.D.
Pentabromobiphenyl	%		0.0005	N.D.
Hexabromobiphenyl	%		0.0005	N.D.
Heptabromobiphenyl	%		0.0005	N.D.
Octabromobiphenyl	%		0.0005	N.D.
Nonabromobiphenyl	%		0.0005	N.D.
Decabromobiphenyl	%		0.0005	N.D.
Total PBBs (Polybrominated biphenyls)/Sum of above	%		-	N.D.
Monobromobiphenyl ether	%	With reference to USEPA3540C or USEPA3550C. Analysis was performed by HPLC/DAD, LC/MS or GC/MS. (prohibited by 2002/95/EC (RoHS), 83/264/EEC, and 76/769/EEC)	0.0005	N.D.
Dibromobiphenyl ether	%		0.0005	N.D.
Tribromobiphenyl ether	%		0.0005	N.D.
Tetrabromobiphenyl ether	%		0.0005	N.D.
Pentabromobiphenyl ether	%		0.0005	N.D.
Hexabromobiphenyl ether	%		0.0005	N.D.
Heptabromobiphenyl ether	%		0.0005	N.D.
Octabromobiphenyl ether	%		0.0005	N.D.
Nonabromobiphenyl ether	%		0.0005	N.D.
Decabromobiphenyl ether	%		0.0005	N.D.
Total PBBEs(PBDEs) (Polybrominated biphenyl ethers)/Sum of above	%		-	N.D.

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Test Item (s):	Unit	Method	MDL	Result
				No.1
Chromium VI (Cr+6)	ppm	UV-VIS after reference to US EPA 3060A.	2	N.D.
Cadmium (Cd)	ppm	ICP-AES after reference to EN 1122, method B:2001 or other acid digestion.	2	N.D.
Mercury (Hg)	ppm	ICP-AES after reference to US EPA 3052 or other acid digestion.	2	N.D.
Lead (Pb)	ppm	ICP-AES after reference to US EPA 3050B or other acid digestion.	2	21.1

NOTE: (1) N.D. = Not detected ($\leq$ MDL)
(2) ppm = mg/kg
(3) MDL = Method Detection Limit
(4) " - " = No Regulation



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BCBT2.E186792

Connectors for Use in Data, Signal, Control and Power Applications

Connectors for Use in Data, Signal, Control and Power Applications

Guide Information

WELL-LIN ENTERPRISE CO LTD

E186792

73 PEI RD, SEC 1

HSIN-TIEN CITY

TAIPEI HSIEN, TAIWAN

Connectors, Model 2510 followed by H, WR or WS, followed by 02 thru 20; Model 2520 followed by H or WS, followed by 02 thru 15; Model 3960 followed by H, WR or WS, followed by 02 thru 20; Model 5011 followed by H, WR or WS, followed by 02 thru 18; Model 6008 followed by H, WR or WS, followed by 1X or 2X, followed by 2 thru 40.

Model 1025 Series followed by H, WS or WR, followed by 2 thru 15; Model 2004H Series, followed by 1X2 thru 1X21 or 2X2 thru 2X21.

Low voltage connectors, Model 2000 followed by H, WR or WS, followed by 02 thru 15; Model 2100 followed by H, WR or WS, followed by 1X or 2X, followed by 2 thru 25; Model 2500 followed by H, WR or WS, followed by 02 thru 20.

Low voltage connectors, Cat. Nos. 1010H, 1010SMTS, 1010SMTR followed by 02 thru 10; Cat. Nos. 1251H, 1251WS, 1251WR followed by 02 thru 12; Cat. No. 1253H followed by 02 thru 30; Cat. No. 1253-SMT, followed by 20, 25 or 30; Cat. Nos. 1255H, 1255WS, 1255WR followed by 02 thru 14; Cat. Nos. 1255H-2X, 1255SMT-2X followed by 10 or 20; Cat. No. 1258HD followed by 21 or 31; Cat. No. 1258HS followed by 20 or 30; Cat. Nos. 1258SMTR-20, 1258SMTR-21, 1258SMTR-30, 1258SMTR-31, 1258SMTS-20, 1258SMTS-21, 1258SMTS-30, 1258SMTS-31; Cat. Nos. 2300H-2X, 2100WS-2X, 2100WR-2X followed by 2 thru 16; Cat. Nos. 7066H, 7066WS, 7066WR followed by 2 thru 12, followed by P; Cat. Nos. 5557H-2X, 5559H-2X, 5560WS-2X, 5561WS-2X, 5562WR-2X, 5563WR-2X followed by 2 thru 12.

Low voltage connectors, Models WL1058H, WL1058SMTR followed by 20 or 30; Models WL1256H, WL1256SMTR followed by 2 thru 30; Models WL2005H, WL2005WR, WL2005WS followed by 2*2 thru 2*16.

Model WL1019H, followed by 14, 20 or 30; Model WL1019SMTR, followed by 14, 20 or 30, followed by P; Model WL2320H and WL2325H, followed by 02 thru 12.

Low voltage connectors, Cat. No. WL1053H-30; Cat. Nos. WL1500H and WL1500WS, followed by 02 thru 13; Cat. Nos. WL2015H, WL2501H, WL2513H, WL5015H and WL5020H, followed by 02 thru 16.

Connectors, Cat. Nos. WL3500H-02 and WL3500SMTR-02; Cat. No. WL4000H, followed by 02 thru 04; Cat. No. WL4000SMTR, followed by 0204, 0208, 0212, 0304 or 0404.

Marking: Company name and catalog designation on device or carton.

Page Top

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