circuitco
Printed Circuit Board Solutions

1380 Presidential Drive, Suite 100
Richardson, TX 75081
214-466-6690

REACH Certificate of Conformity

Re: BeagleBone Black Evaluation Module – BB-BBLK-000

Date: 4/11/13

This letter is to certify that the above product is in compliance with the REACH regulation 1907/2006/EC Substances of the Very High Concern (SVHC), and does not contain any of the known 53 substances in the amount > 0.1 % weight by weight. 100% of the products sold and shipped by Circuitco are in full accordance with the specifications applicable thereto. This certificate applies specifically to the product listed above.

Verified by:

Yogesh Patel
Materials / Purchasing Manager

Certified by:

Clint Cooley
President
Circuitco Electronics

lead-free

ISO 9001:2000

ISO 9001

Made in USA

Mfr	Mfr P/N	Vendor affected by SVHC	Products affected by SVHC	Remarks & link to web-site
NXP	TDA19988BHN/C1,551	N	Products do not contain SVHCs above the threshold.	http://www.nxp.com/about/corporate-social-responsibility/environment/concern.html
SMSC	LAN8710A-EZC-TR	N	Products do not contain SVHCs above the threshold.	http://www.smsc.com/Support/RoHS-Green_and_Package_Information/REACH
TI	TPD4S012DRYR	N	Products do not contain SVHCs above the threshold.	http://focus.ti.com/quality/docs/gencontent.tsp?templateId=5909&navigationId=11808&contentId=5067
TI	TL5209DR	N	Products do not contain SVHCs above the threshold.	http://focus.ti.com/quality/docs/gencontent.tsp?templateId=5909&navigationId=11808&contentId=5067
TI	TPS2051BDGNR	N	Products do not contain SVHCs above the threshold.	http://focus.ti.com/quality/docs/gencontent.tsp?templateId=5909&navigationId=11808&contentId=5067
TI	SN74LVC1G74DCTR	N	Products do not contain SVHCs above the threshold.	http://focus.ti.com/quality/docs/gencontent.tsp?templateId=5909&navigationId=11808&contentId=5067
TI	SN74LVC1G06DCKR	N	Products do not contain SVHCs above the threshold.	http://focus.ti.com/quality/docs/gencontent.tsp?templateId=5909&navigationId=11808&contentId=5067
Cornell	AVE107M06D16T-F	N	Products do not contain SVHCs above the threshold.	http://www.cde.com/environmental/reach-legislation/
NXP	IP4283CZ10-TT,118	N	Products do not contain SVHCs above the threshold.	http://www.nxp.com/about/corporate-social-responsibility/environment/concern.html
NIC	NRC04F2803TRF	N	Products do not contain SVHCs above the threshold.	http://www.niccomp.com/company/certifications.asp
FCI	87520-0010BLF	N	Products do not contain SVHCs above the threshold.	http://portal.fciconnect.com/portal/page/portal/fciconnect/rohs?s=overview
TE	RXEF010	Y	Some products contain SVHC over threshold.	http://www.arroweurope.com/fileadmin/user_upload/download/Arrow%20Brochures/Environmental%20Compliance/TE_CONNECTIVITY_REACH_Position.pdf
LITEON	LTST-C191TBKT	N	Products do not contain SVHCs above the threshold.	
TDK	C1005X5R0J105K	Y	17 parts are affected, we got the complete list	http://www.arroweurope.com/fileadmin/user_upload/download/Arrow%20Brochures/Environmental%20Compliance/TDK_LAMBDA_reach_position_statement.pdf
TDK	C2012Y5V1A106Z	Y	17 parts are affected, we got the complete list	http://www.arroweurope.com/fileadmin/user_upload/download/Arrow%20Brochures/Environmental%20Compliance/TDK_LAMBDA_reach_position_statement.pdf
Micron	MTFC2GMVEA-0M WT	N	Products do not contain SVHCs above the threshold.	http://www.micron.com/products/support/faqs
Micron	MT41K256M16HA-125:E	N	Products do not contain SVHCs above the threshold.	http://www.micron.com/products/support/faqs
CTS	73L3R10J	N	Products do not contain SVHCs above the threshold.	http://www.ctscorp.com/governance/conflictmineralspolicy.htm
TI	TPS65217CRSLR	N	Products do not contain SVHCs above the threshold.	http://focus.ti.com/quality/docs/gencontent.tsp?templateId=5909&navigationId=11808&contentId=5067
TDK	C1005X5R0J225K	Y	17 parts are affected, we got the complete list	http://www.arroweurope.com/fileadmin/user_upload/download/Arrow%20Brochures/Environmental%20Compliance/TDK_LAMBDA_reach_position_statement.pdf
Murata	GRM115R71H471KA01D	N	Products do not contain SVHCs above the threshold..	http://www.arroweurope.com/fileadmin/user_upload/download/Arrow%20Brochures/Environmental%20Compliance/MURATA_reach.pdf
TDK	C1005X5R0J104K	Y	17 parts are affected, we got the complete list	http://www.arroweurope.com/fileadmin/user_upload/download/Arrow%20Brochures/Environmental%20Compliance/TDK_LAMBDA_reach_position_statement.pdf
TDK	C1005COG1H180J	Y	17 parts are affected, we got the complete list	http://www.arroweurope.com/fileadmin/user_upload/download/Arrow%20Brochures/Environmental%20Compliance/TDK_LAMBDA_reach_position_statement.pdf
Kemet	CC0402KRX7R7BB102	N	Products do not contain SVHCs above the threshold.	http://www.arroweurope.com/fileadmin/user_upload/download/Arrow%20Brochures/Environmental%20Compliance/KEMET_REACH_SVHC_Tantalum_and_Ceramic_C
TDK	C1005COG1H300J	Y	17 parts are affected, we got the complete list	http://www.arroweurope.com/fileadmin/user_upload/download/Arrow%20Brochures/Environmental%20Compliance/TDK_LAMBDA_reach_position_statement.pdf
NXP	RB751V40,115	N	Products do not contain SVHCs above the threshold.	http://www.nxp.com/about/corporate-social-responsibility/environment/concern.html
C&K	KMR231GLFS	N	Products do not contain SVHCs above the threshold.	http://www.arroweurope.com/fileadmin/user_upload/download/Arrow%20Brochures/Environmental%20Compliance/C_K_REACH-20110704_de-en.pdf
Murata	LQM2HPN2R2MG0L	N	Products do not contain SVHCs above the threshold..	http://www.arroweurope.com/fileadmin/user_upload/download/Arrow%20Brochures/Environmental%20Compliance/MURATA_reach.pdf
FCI	10118241-001RLF	N	Products do not contain SVHCs above the threshold.	http://portal.fciconnect.com/portal/page/portal/fciconnect/rohs?s=overview
Stackpol	RMCF0402FT4K75	N	Products do not contain SVHCs above the threshold.	http://www.seielect.com/certs/default.asp
SEI	RC0402FR-0712K1L	N	Products do not contain SVHCs above the threshold.	http://www.seielect.com/certs/default.asp
Vishay	RC0402FR-071K5L	Y	Some products contain SVHC over threshold.	http://www.vishay.com/how/leadfree/#reach
Panasonic	ERJ-2GEJ471X	N	Some products contain SVHC over threshold.	http://www.arroweurope.com/fileadmin/user_upload/download/Arrow%20Brochures/Environmental%20Compliance/REACH_Customer_Letter_110824_Panasonic.pdf
Stackpol	RMCF0402FT100K	N	Products do not contain SVHCs above the threshold.	http://www.seielect.com/certs/default.asp
SEI	RC0402JR-07100RL	N	Products do not contain SVHCs above the threshold.	http://www.seielect.com/certs/default.asp
NIC	RC0402FR-0710RL	N	Products do not contain SVHCs above the threshold.	http://www.niccomp.com/company/certifications.asp
Vishay	RC0402JR-070RL	Y	Some products contain SVHC over threshold.	http://www.vishay.com/how/leadfree/#reach
Rohm	MCR01MZPJ103	N	Products do not contain SVHCs above the threshold.	http://www.rohm.com/web/global/rohs-compliance-information
Stackpol	RMCF0402FT1M00	N	Products do not contain SVHCs above the threshold.	http://www.seielect.com/certs/default.asp
NIC	RC0402FR-0749R9L	N	Products do not contain SVHCs above the threshold.	http://www.niccomp.com/company/certifications.asp
SEI	RC0402JR-07820RL	N	Products do not contain SVHCs above the threshold.	http://www.seielect.com/certs/default.asp
NIC	RC0402FR-07240RL	N	Products do not contain SVHCs above the threshold.	http://www.niccomp.com/company/certifications.asp
NIC	RC0402FR-07470KL	N	Products do not contain SVHCs above the threshold.	http://www.niccomp.com/company/certifications.asp
NIC	RC0402FR-0727KL	N	Products do not contain SVHCs above the threshold.	http://www.niccomp.com/company/certifications.asp
Panasonic	RC0402JR-0733RL	N	Some products contain SVHC over threshold.	http://www.arroweurope.com/fileadmin/user_upload/download/Arrow%20Brochures/Environmental%20Compliance/REACH_Customer_Letter_110824_Panasonic.pdf
TI	SN74LVC2G241DCUR	N	Products do not contain SVHCs above the threshold.	http://focus.ti.com/quality/docs/gencontent.tsp?templateId=5909&navigationId=11808&contentId=5067
Microchip	24LC32AT-I/OT	N	Products do not contain SVHCs above the threshold.	http://www.microchip.com/stellent/idcplg?IdcService=SS_GET_PAGE&nodeId=2001&redirects=environment
TI	XAM3359AZCZ100	N	Products do not contain SVHCs above the threshold.	http://focus.ti.com/quality/docs/gencontent.tsp?templateId=5909&navigationId=11808&contentId=5067

DKC:	ORIG PN	CUSTOMER PN:	DK DESCRIPTION:	QTD MFG PN:	QTD MFG:	ECCN:	HTSUS:	LEAD:	ROHS:	REACH STATUS:	REACH DATE:	CTRY ORIG:
SCP310-ND	SCP310-ND	10035	BAG STATIC METAL-IN 3X5"	10035	3M	EAR99	3923.29.0000	LEAD FREE	ROHS COMP	REACH UNAFFECTED		USA
587-2476-2-ND	LMK105B7223KV-F	123-0001042	CAP CER 0.022UF 10V 10% X7R 0402	LMK105B7223KV-F	TAIYO YUDEN	EAR99	8532.24.0020	LEAD FREE	ROHS COMP	REACH UNAFFECTED	9-Nov	JAPAN
587-1207-2-ND	UMK105CG470JV-F	123-0001115	CAP CER 47PF 50V 5% NP0 0402	UMK105CG470JV-F	TAIYO YUDEN	EAR99	8532.24.0020	LEAD FREE	ROHS COMP	REACH UNAFFECTED	9-Nov	CHINA
240-2384-2-ND	LI0805H151R-10	126-0001427	FERRITE 800MA 150 OHM 0805 SMD	LI0805H151R-10	LAIRD-SIGNAL INTEGRITY	EAR99	8504.50.8000	LEAD FREE	ROHS COMP	REACH UNAFFECTED	11-Aug	TAIWAN
DMC564040RTR-ND	DMC564040R	132-0002279	TRANS NPN/NPN W/RES 50V SMINI6	DMC564040R	PANASONIC ELECTRONIC COMP.	EAR99	8541.21.0095	LEAD FREE	ROHS COMP	REACH UNAFFECTED		MALAYSIA
887-1090-2-NDL	7A-24.000MAAJ-T	145-0001357	CRYSTAL 24.000 MHZ 18PF SMD	7A-24.000MAAJ-T	TXC CORPORATION	EAR99	8541.60.0060	LEAD BYEX	ROHS COMP			CHINA
535-9108-2-ND	ABM3-25.000MHZ-B2-T	145-0001360	CRYSTAL 25.000MHZ 18PF SMD	ABM3-25.000MHZ-B2-T	ABRACON CORPORATION	EAR99	8541.60.0060	LEAD FREE	ROHS COMP	REACH UNAFFECTED	12-Jun	TAIWAN
887-1092-2-NDL	7A-25.000MAAJ-T	145-0001361	CRYSTAL 25.000 MHZ 18PF SMD	7A-25.000MAAJ-T	TXC CORPORATION	EAR99	8541.60.0060	LEAD BYEX	ROHS COMP			CHINA
300-8738-2-ND	CM200C-32.768KAZF-UT	145-0001366	CRYSTAL 32.768KHZ 12.5PF SMD	CM200C-32.768KAZF-UT	CITIZEN FINETECH MIYOTA	EAR99	8541.60.0010	LEAD FREE	ROHS COMP	REACH UNAFFECTED	11-Oct	CHINA
535-11729-2-NDL	ASDMB-24.576MHZ-LC-T	146-0002628	OSC MEMS 24.576 MHZ SMD	ASDMB-24.576MHZ-LC-T	ABRACON CORPORATION	EAR99	8541.60.0080	LEAD FREE	ROHS COMP	REACH UNAFFECTED	12-Jun	THAILAND
H11671TR-ND	UX60SC-MB-5ST(80)	158-0001279	CONN RCPT USB MINI B R/A SMD	UX60SC-MB-5ST(80)	HIROSE ELECTRIC CO LTD	EAR99	8536.69.4040	LEAD FREE	ROHS COMP	REACH UNAFFECTED	11-Sep	CHINA
609-3263-ND	68000-406HLF	258-0001319	CONN HEADER 6POS .100 STR TIN	68000-406HLF	FCI	EAR99	8536.69.4040	LEAD FREE	ROHS COMP	REACH UNAFFECTED	11-Jun	MEXICO
CP-002A-NDL	CP-002A-NDL	258-0001330	CONN POWER JACK 2.1MM	PJ-002A	CUI INC	EAR99	8536.69.4040	LEAD FREE	ROHS COMP	REACH UNAFFECTED	10-Oct	CHINA
535-11729-2-NDL	ASDMB-24.576MHZ-LC-T	146-0002628	OSC MEMS 24.576 MHZ SMD	ASDMB-24.576MHZ-LC-T	ABRACON CORPORATION	EAR99	8541.60.0080	LEAD FREE	ROHS COMP	REACH UNAFFECTED	12-Jun	THAILAND
495-4401-2-ND	CT1206K25G	123-0001115	VARISTOR 25VRMS 1206 SMD	CT1206K25G	EPCOS INC	EAR99	8533.40.4000	LEAD FREE	ROHS COMP	REACH UNAFFECTED	11-Oct	CROATIA

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10 January, 2013

Certificate of Non-Use of REACH SVHC (Substances of Very High Concern)

REACH 高懸念物質(SVHC)不使用証明書

We hereby certify that following product supplied to your company **do not** intentionally contain REACH Substances of Very High Concern (SVHC) exceeding 0.1% in each homogeneous material.
弊社は，貴社へ納入している下記対象製品において，REACH 規制の高懸念物質(SVHC)を均質材料毎に 0.1% を超えて含有していないことを証明いたします。

(1) Product: 対象製品：

Product Name	ALPS Product Number
Connector	SCHA5B0200

(2) List of Substances of Very High Concern (SVHC): 高懸念物質ﾘｽﾄ(SVHC)：

	Substances 物質名	CAS number	EC number
1	Anthracene アントラセン	120-12-7	204-371-1
2	Diaminodiphenylmethane 4,4'-ｼﾞｱﾐﾉｼﾞﾌｪﾆﾙﾒﾀﾝ	101-77-9	202-974-4
3	Dibutyl phthalate(DBP) ﾌﾀﾙ酸ｼﾞﾌﾞﾁﾙ	84-74-2	201-557-4
4	Cobalt dichloride 二塩化ｺﾊﾞﾙﾄ	7646-79-9	231-589-4
5	Diarsenic pentaoxide 五酸化二砒素	1303-28-2	215-116-9
6	Diarsenic trioxide 三酸化二砒素	1327-53-3	215-481-4
7	Sodium dichromate, dehydrate 二ｸﾛﾑ酸ﾅﾄﾘｳﾑ	7789-12-0	234-190-3
8	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene) ﾑｽｸｷｼﾚﾝ	81-15-2	201-329-4
9	Bis (2-ethyl(hexyl)phthalate) (DEHP) ﾌﾀﾙ酸ｼﾞ 2-ｴﾁﾙﾍｷｼﾙ	117-81-7	204-211-0
10	Hexabromocyclododecane (HBCDD) ﾍｷｻﾌﾞﾛﾓｼｸﾛﾄﾞﾃﾞｶﾝ	25637-99-4	247-148-4
11	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins) 短鎖塩素化ﾊﾟﾗﾌｨﾝ	85535-84-8	287-476-5
12	Bis(tributyltin)oxide (TBTO) ﾋﾞｽ(ﾄﾘﾌﾞﾁﾙｽｽﾞ)＝ｵｷｼﾄﾞ	56-35-9	200-268-0
13	Lead hydrogen arsenate 酸性ヒ酸鉛	7784-40-9	232-064-2
14	Triethyl arsenate ヒ酸ﾄﾘｴﾁﾙ	15606-95-8	427-700-2
15	Benzyl butyl phthalate(BBP) ﾌﾀﾙ酸ﾌﾞﾁﾙﾍﾞﾝｼﾞﾙ	85-68-7	201-622-7
16	2, 4-Dinitrotoluene 2,4-ｼﾞﾆﾄﾛﾄﾙｴﾝ	121-14-2	204-450-0
17	Anthracene oil アントラセン油	90640-80-5	292-602-7
18	Anthracene oil, Anthracene paste,distn, Lights. アントラセン油, アントラセンﾍﾟｰｽﾄ,アントラセン軽留分	91995-17-4	295-278-5
19	Anthracene oil, Anthracene paste, Anthracene fraction アントラセン油, アントラセンﾍﾟｰｽﾄ,アントラセン留分	91995-15-2	295-275-9
20	Anthracene oil, Anthracene paste, Anthracene-low アントラセン油, アントラセンﾍﾟｰｽﾄ,アントラセン低温留分	90640-82-7	292-604-8
21	Anthracene oil, Anthracene paste アントラセン油,アントラセンﾍﾟｰｽﾄ	90640-81-6	292-603-2
22	Diisobutyl phthalate ｼﾞｲｿﾌﾞﾁﾙﾌﾀﾚｰﾄ(DIBP)	84-69-5	201-553-2
23	Aluminosilicate,Refractory ceramic fibres アルミノシリケート,耐火性セラミック繊維	—	(650-017-00-8)
24	Zirconia Aluminosilicate,Refractory ceramic fibres. ｼﾞﾙｺﾆｱｱﾙﾐﾉｼﾘｹｰﾄ,耐火性ｾﾗﾐｯｸ繊維	—	(650-017-00-8)
25	Lead chromate ｸﾛﾑ酸鉛	7758-97-6	231-846-0
26	Lead chromate molybdate sulfatered red(C,I,pigment ,Red104) 硫酸ﾓﾘﾌﾞﾃﾞﾝ酸ｸﾛﾑ酸鉛(ﾓﾘﾌﾞﾃﾞﾝ赤、C,I,ﾋﾟｸﾞﾒﾝﾄﾚｯﾄﾞ 104	12656-85-8	235-759-9

27	Lead sulfochromate yellow(C,I,pigment yellow 34) 黄鉛(C.I.ﾋﾟｸﾞﾒﾝﾄｲｴﾛｰ 34)	1344-37-2	215-693-7
28	Tris(2-chloroethy)phosphate リン酸ﾄﾘｽ(2-ｸﾛﾛｴﾁﾙ)	115-96-8	204-118-5
29	Coal tar pitch,High temperature 高温ｺｰﾙﾀｰﾙﾋﾟｯﾁ	65996-93-2	266-028-2
30	Acrylamide ｱｸﾘﾙｱﾐﾄﾞ	79-06-1	201-173-7
31	Trichloroechlene ﾄﾘｸﾛﾛｴﾁﾚﾝ	79-01-6	201-167-4
32	Boric acid ﾎｳ酸	10043-35-3 11113-50-1	233-139-2 234-343-4
33	Disodium tetraborate,anhydrous 四ﾎｳ酸ﾅﾄﾘｳﾑ	1330-43-4 12179-04-3 1303-96-4	215-540-4
34	Tetraboron disodium heptaoxide,hydrate	12267-73-1	235-541-3
35	Sodium chromate ｸﾛﾑ酸ﾅﾄﾘｳﾑ	7775-11-3	231-889-5
36	Potassium chromate ｸﾛﾑ酸ｶﾘｳﾑ	7789-00-6	232-140-5
37	Ammonium dichromate ﾆｸﾛﾑ酸ｱﾝﾓﾆｳﾑ(重ｸﾛﾑ酸ｱﾝﾓﾆｳﾑ)	7789-09-5	232-143-1
38	Potassium dichromate ﾆｸﾛﾑ酸ﾆｶﾘｳﾑ(重ｸﾛﾑ酸ｶﾘｳﾑ	7778-50-9	231-906-6
39	Cobalt(Ⅱ)sulphate 硫酸ｺﾊﾞﾙﾄ(Ⅱ)	10124-43-3	233-334-2
40	Cobalt(Ⅱ)dinitrate 硝酸ｺﾊﾞﾙﾄ(Ⅱ)	10141-05-6	233-402-1
41	Cobalt(Ⅱ)carbonate 炭酸ｺﾊﾞﾙﾄ(Ⅱ)	513-79-1	208-169-4
42	Cobalt(Ⅱ)diacetate 酢酸ｺﾊﾞﾙﾄ(Ⅱ)	71-48-7	200-755-8
43	2-Methoxyethanol 2-ﾒﾄｷｼｴﾀﾉｰﾙ	109-86-4	203-713-7
44	2-Ethoxyethanol 2-ｴﾄｷｼｴﾀﾉｰﾙ	110-80-5	203-804-1
45	Chromium trioxide 無水ｸﾛﾑ(VI)酸	1333-82-0	215-607-8
46	Chromic acid ｸﾛﾑ酸	7738-94-5 13530-68-2	231-801-5 236-881-5
47	Cobalt dichloride	7646-79-9	231-589-4
48	2-ethoxyethyl acetate	111-15-9	203-839-2
49	Strontium chromate	7789-06-2	232-142-6
50	1,2-benzenedicarboxylic acid,di-C7-11-branched and linearalkylesters	68515-42-4	271-084-6
51	Hydrazine	7803-57-8/ 302-01-2	206-114-9
52	1-methyl-2-pyrrolidone	872-50-4	212-828-1
53	1,2,3-trichloropropane	96-18-4	202-486-1
54	1,2-benzenedicarboxylic acid,di-C6-8-branchedalkyl esters, C7-rich.	71888-89-6	276-158-1
55	Dichromium tris(chromate)	24613-89-6	246-356-2
56	Potassium hydroxyoctaoxodizincatedi-chromaite ｸﾛﾑ酸ﾋﾄﾞﾛｷｼ亜鉛ｶﾘｳﾑ	11103-86-9	234-329-8
57	Pentainc chromate octahydroxide	49663-84-5	256-418-0
58	Aluminosillicate Refractory ceramic Fibers(RCF)	—	—
59	Zirconia Aluminosillicate Refractory Ceramic Fibers(Zr-RCF)	—	—
60	Formaldehyde,oligomeric reaction products with aniline (technical MDA) ｱﾆﾘﾝとﾎﾙﾑｱﾙﾃﾞﾋﾄﾞの重合物	25214-70-4	500-036-1
61	Bis(2-methoxyeethyl)phthalate ﾋﾞｽ(2-ﾒﾄｷｼｴﾁﾙ)=ﾌﾀﾚｰﾄ	117-82-8	204-212-6
62	2-Methoxyaniline,o-Anisidine 2-ﾒﾄｷｼｱﾆﾘﾝ	90-04-0	201-963-1
63	4-(1.1.3.3-tetramethylbutyl)phenol,(4-tert-Octylphenol) 4-(1.1.3.3-ﾃﾄﾗﾒﾁﾙﾌﾞﾁﾙ)ﾌｪﾉｰﾙ	140-66-9	205-426-2
64	1.2-Dichloroethan 1.2-ｼﾞｸﾛﾛｴﾀﾝ	107-06-2	203-458-1
65	Bis(2-methoxyethyl)ether ｼﾞｴﾁﾚﾝｸﾞﾘｺｰﾙｼﾞﾒﾁﾙｴｰﾃﾙ	111-96-6	203-924-4
66	Arsenic acid ﾋ酸	7778-39-4	231-901-9
67	Calcium arsenate ﾋ酸ｶﾙｼｳﾑ	7778-44-1	231-904-5
68	Trilead diarsenate ﾋ酸鉛(Ⅱ)	3687-31-8	222-979-5
69	N.N-dimethylacetamide(DMAC) N.N.-ｼﾞﾒﾁﾙｱｾﾄｱﾐﾄﾞ	127-19-5	204-826-4

70	2.2'-dichloro-4.4'-methylenedianiline(MOCA) 2.2'-ｼﾞｸﾛﾛ-4.4'-ﾒﾁﾚﾝｼﾞｱﾆﾘﾝ	101-14-4	202-918-9
71	Phenolphthalein フェノールフタレイン	77-09-8	201-004-7
72	Lead azide ／ Lead diazide ｱｼﾞ化鉛(Ⅱ)	13424-46-9	236-542-1
73	Lead styphnate 2.4.6-ﾄﾘﾆﾄﾛ-1.3-ﾍﾞﾝｾﾞﾝｼﾞｵｰﾙ鉛(Ⅱ)塩(ﾄﾘﾆﾄﾛﾚｿﾞﾙｼﾝ鉛)	15245-44-0	239-290-0
74	Lead dipicrate ﾆﾋﾟｸﾘﾝ酸鉛,ﾋﾞｽﾋﾟｸﾘﾝ酸鉛(Ⅱ),鉛(Ⅱ)ﾋﾞｽ(2,4,6-ﾄﾘﾆﾄﾛﾍﾞﾝｾﾞﾝ-1-ｵﾗｰﾄ)	6477-64-1	229-335-2
75	1.2-bis(2-methoxyethoxy)ethane(TEGDME;triglyme) 2,5,8,11-ﾃﾄﾗｵｷｻﾄﾞﾃﾞｶﾝ	112-49-2	203-977-3
76	1.2-dimethoxyethane;ethylene glycol dimethyl ether(EGDME) ｴﾁﾚﾝｸﾞﾘｺｰﾙｼﾞﾒﾁﾙｴｰﾃﾙ	110-71-4	203-794-9
77	Diboron trioxide 三酸化二ホウ素	1303-86-2	215-125-8
78	Formamide ﾎﾙﾑｱﾐﾄﾞ	75-12-7	200-842-0
79	Lead(Ⅱ)bis(methanesulfonate) ﾒﾀﾝｽﾙﾎﾝ酸鉛(Ⅱ)	17570-76-2	401-750-5
80	TGIC(1,3,5,tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione) 1,3,5-ﾄﾘｽ(2,3-ｴﾎﾟｷｼﾌﾟﾛﾋﾟﾙ)-1,3,5-ﾄﾘｱｼﾞﾝ-2,4,6(1H,3H,5H)-ﾄﾘｵﾝ	2451-62-9	219-514-3
81	β-TGIC(1,3,5-tris[(2Sand2R)-2,3-epoxypropyl]-1, 3, 5-triazine-2,4,6-(1H,3H,5H)-trione —	59653-74-6	423-400-0
82	4,4´-bis(dimethylamino)benzophenone(michler's sketone) 4,4´-ﾋﾞｽ(ｼﾞﾒﾁﾙｱﾐﾉ)ﾍﾞﾝｿﾞﾌｪﾉﾝ	90-94-8	202-027-5
83	N,N,N´,N´-tetramethyl-4,4´-methylenedianiline(Michler´s base) 4, 4´-ﾒﾁﾚﾝﾋﾞｽ(N,N-ｼﾞﾒﾁﾙｱﾆﾘﾝ	101-61-1	202-959-2
84	[4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride(C.I.Basic Violet 3) C.I.ﾍﾞｰｼｯｸﾊﾞｲｵﾚｯﾄ 3	548-62-9	208-953-6
85	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride(C.I. Basic Blue 26) C.I.ﾍﾞｰｼｯｸ ﾌﾞﾙｰ 26	2580-56-5	219-943-6
86	α, α-Bis[4-(dimethylamino)phenyl]-4(phenylamino)naphthalene-1-methanol(C.I. Solvent Blue 4) C.I.ｿﾙﾍﾞﾝﾄ ﾌﾞﾙｰ 4	6786-83-0	229-851-1
87	4,4´-bis(dimethylamino)-4''-(methylamino)trityl alcohol 4,4´-ﾒﾁﾙｱﾐﾉ-4´,4´´-ﾋﾞｽ(ｼﾞﾒﾁﾙｱﾐﾉ)ﾄﾘﾌｪﾆﾙﾒﾀﾉｰﾙ	561-41-1	209-218-2
88	Bis(pentabromophenyl)ether(DecaBDE) ﾃﾞｶﾌﾞﾛﾓｼﾞﾌｪﾆﾙｴｰﾃﾙ	1163-19-5	214-604-9
89	Pentacosafluorotrldecanoic acid ﾍﾟﾝﾀｺｻﾌﾙｵﾄﾘﾃﾞｶﾝ酸	72629-94-8	276-745-2
90	Tricosafluorododecanoicacid ﾄﾘｺｻﾌﾙｵﾛﾄﾞﾃﾞｶﾝ酸	307-55-1	206-203-2
91	Henicosafluoroundecanolc scid ﾍﾆｺｻﾌﾙｵﾛｳﾝﾃﾞｶﾝ酸	2058-94-8	218-165-4
92	Heptacosafluorotetradecanolc acid ﾍﾌﾟﾀｺｻﾌﾙｵﾛﾄﾘﾃﾞｶﾝ酸	376-06-7	206-803-4
93	4-(1, 1, 3, 3-tetramethylbutyl)phenol, ethoxylated-coverlng well-defined substances and UVCB substances polymers and homoloques 4-(1, 1, 3, 3-ﾃﾄﾗﾒﾁﾙﾌﾞﾁﾙ)ﾌｪﾉｰﾙ, ｴﾄｷｼﾚｰﾄ	—	—
94	4-Nonylpheenol, branched and llnear-subatances with a llnear and/or branched alkyl chaln with a carbon number of 9 covalently bound in positlon 4 to phenol, covering also UVCB and well-defined substances which include any of the individual isomers or a combination thereof. 4-ﾉﾆﾙﾌｪﾉｰﾙ(炭素数 9 の直鎖および分岐のアルキルの全ての異性体の単独物、および混合物(UVCB))	—	—
95	Diazene-1, 2-dicarboxamlde(C, C'-)ｱｿﾞｼﾞｶﾙﾎﾞﾝｱﾐﾄﾞ	123-77-3	204-650-8
96	Hexahydro-2-benzofuran-1, 3-dione(HHPA), cis-cyclohexane-1, 2-dicarboxylic anhydride, trans- cyclohexane-, 2-dicarboxylic Anhydride ﾍｷｻﾋﾄﾞﾛﾌﾀﾙ酸無水物	85-42-7 13149-00-3 14166-21-3	201-604-9 236-086-3 238-009-9
97	Hexahydromethylphathalic anhydride, Hexahydro-4-methylphathalic anhydride, Hexahydro-1-methylphathalic anhydride メチルヘキサヒトロ無水フタル酸, 4-メチルシクロヘキサン-1, 2-カルボン酸無水物, メチルヘキサヒトロ無水フタル酸, メチルヘキサヒトロ無水フタル酸	25550-51-0 19438-60-9 48122-14-1 57110-29-9	247-094-1 243-072-0 256-356-4 260-566-1

98	Methoxy acetic acid　ﾒﾄｷｼ酢酸	625-45-6	210-894-6
99	1, 2-Benzenedicarboxylic acid, dipentylester, branched and linear 1, 2-ﾍﾞﾝｾﾞﾝｶﾙﾎﾞ酸, 炭素数 7-11 の分岐及び直鎖ｱﾙｷﾙｴｽﾃ類	84777-06-0	284-032-2
100	Diisopentylphthalate ﾌﾀﾙ酸ｼﾞｲｿﾍﾟﾝﾁﾙ	605-50-5	210-088-4
101	N-pentyl-isopentylphtalate N-ﾍﾟﾝﾁﾙ-ｲｿﾍﾟﾝﾁﾙﾌﾀﾙ酸	776297-69-9	—
102	1, 2-Diethoxyethane 1, 2-ｼﾞｴﾄｷｼｴﾀﾝ	629-14-1	211-076-1
103	N, N-dimethylformamide;dimethyl formamide ｼﾞﾒﾁﾙﾎﾙﾑｱﾐﾄﾞ	68-12-2	200-679-5
104	Dibutyltin dichloride(DBT) ｼﾞﾌﾞﾁﾙｽｽﾞｼﾞｸﾛﾗｲﾄﾞ	683-18-1	211-670-0
105	Acetic acid, Lead salt、basic 塩基性酢酸鉛	51404-69-4	257-175-3
106	Basic lead carbonate[trilead bis(carbonate)dihydroxide] 炭酸水酸化鉛(亜炭酸鉛)、水酸化炭酸鉛(Ⅱ)	1319-46-6	215-290-6
107	Lead oxide sulfafate(basic lead sulfate) 塩基性硫酸鉛	12036-76-9	234-853-7
108	[Phthalato(2-)]dioxotrilead(dibasic lead phthalate) 1, 2-ﾍﾞﾝｾﾞﾝｼﾞｶﾙﾎﾞｷｼﾗﾄﾄ(2-)]ｼﾞｵｷｿ三鉛	69011-06-9	273-688-5
109	Dioxobis(stearato)trilead ｼﾞｵｷｿﾋﾞｽ(ｽﾃｱﾘﾝ酸)三鉛	12578-12-0	235-702-8
110	Fatty acids, C16-18, lead salts 脂肪酸鉛塩(C16-18)	91031-62-8	292-966-7
111	Lead bis(tetrafluoroborate) ﾎｳﾌｯ化鉛	13814-96-5	237-486-0
112	Lead cynamidate ｼｱﾅﾐﾄﾞ鉛	20837-86-9	244-073-9
113	Lead dinitrate 硝酸鉛	10099-74-8	233-245-9
114	Lead oxide(lead monoxide)　一酸化鉛	1317-36-8	215-267-0
115	Lead tetroxide(orange lead)　四三酸化鉛	1314-41-6	215-235-6
116	Lead titanium trioxide ﾁﾀﾝ酸鉛	12060-00-3	235-038-9
117	Lead Titanium Zirconium oxide ｼﾞﾙｺﾝ酸ﾁﾀﾝ酸鉛	12626-81-2	235-727-4
118	Pentalead tetraoxide sulphate 塩基性硫酸鉛	12065-90-6	235-067-7
119	Pyrochlore,antimony lead yellow ﾋﾟｸﾞﾒﾝﾄｴﾛｰ41	8012-00-8	232-382-1
120	Silicic acid,barlum sait,lead-doped ｹｲ酸ﾊﾞﾘｳﾑ,鉛ﾄﾞｰﾌﾟ	68784-75-8	272-271-5
121	Silicic acid,lead salt ｹｲ酸と鉛の塩	11120-22-2	234-467-1
122	Sulfurous acid,lead sait,dibasic 塩基性亜流酸鉛	62229-08-7	263-467-1
123	Tetraethyllead 四ｴﾁﾙ鉛	78-00-2	201-075-4
124	Tetralead trioxide sulphate 塩基性硫酸鉛;三塩基性硫酸鉛	12202-17-4	235-380-9
125	Trilead dioxide phosphonate 二塩基性ﾘﾝ酸鉛	12141-20-7	235-252-2
126	Furan ﾌﾗﾝ	110-00-9	203-727-3
127	Propylene oxide;1,2-epoxypropane;methyloxirane 酸化ﾌﾟﾛﾋﾟﾚﾝ	75-56-9	200-879-2
128	Diethyl sulphate 硫酸ｼﾞｴﾁﾙ	64-67-5	200-589-6
129	Dimethyl sulphate 硫酸ｼﾞﾒﾁﾙ	77-78-1	201-058-1
130	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine 3-ｴﾁﾙ-2-ｲｿﾍﾟﾁﾙ-2-ﾒﾁﾙ-1,3-ｵｷｻｿﾞﾘｼﾞﾝ	143860-04-2	421-150-7
131	Dinoseb ｼﾞﾉｾﾌﾞ	88-85-7	201-861-7
132	4,4'-methylenedi-o-toluidine 4,4'-ﾒﾁﾚﾝﾋﾞｽ(2-ﾒﾁﾙｱﾆﾘﾝ)	838-88-0	212-658-8
133	4,4'-oxydianiline and its salts 4,4'-ｼﾞｱﾐﾉｼﾞﾌｪﾆﾙｴｰﾃﾙ	101-80-4	202-977-0
134	4-Aminoazobenzene;4-phenylazoaniline p-ｱﾐﾉｱｿﾞﾍﾞﾝｾﾞﾝ	60-09-3	200-453-6
135	4-methyl-m-phenylenediamine(2,4-toluene-diamine) 2,4-ｼﾞｱﾐﾉﾄﾙｴﾝ	95-80-7	202—453-1
136	6-methoxy-m-toluidine(p-cresidine) 6-ﾒﾄｷｼ-mﾄﾙｲｼﾞﾝ	120-71-8	204-419-1
137	Biphenyl-4-ylamine 4-ｱﾐﾉﾋﾞﾌｪﾆﾙ	92-67-1	202-177-1
138	o-aminoazotoluene 2-ｱﾐﾉ-5-ｱｿﾞﾄﾙｴﾝ	97-56-3	202-591-2
139	o-toluidine;2-Aminotoluene o-ﾄﾙｲｼﾞﾝ	95-53-4	202-429-0
140	N-methylacetamide N-ﾒﾁﾙｱｾﾄｱﾐﾄﾞ	79-16-3	201-182-6
141	1-bromopropane 1-ﾌﾞﾛﾓﾌﾟﾛﾊﾟﾝ;臭化 n-ﾌﾟﾛﾋﾟﾙ	106-94-5	203-445-0

・For newly added 54 substances of Very High concern(SVHC)of REACH,we still under survey, and do not yet have information for some substances.
We consider that SVHC are not contained based on the obtained information up to now, such as MSDS,composition table and Non-Use certificate.

・REACH 規制高懸念物質(SVHC)の新たな追加 54 物資については、現在も調査中で一部の物質ではまだ情報が得られていません。
これまで得られている情報の MSDS や成分表、及び不使用証明書などの知見から、明らかに含有はしていないと判断をしているものです。

Sincerely yours,

Makoto Watanabe
Manager, Engineering Administration Group.
Engineering Administration Department.
ALPS ELECTRIC CO.,LTD. Engineering Headquarters

CERTIFICATE OF COMPLIANCE

Company: Major League Electronics
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New Albany, IN 47150

Contact person: Jeff England
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Telephone: 812-944-7244

P/N: SSHS-123-D-02-GT-LF

This letter is to assure that the above-mentioned product(s) made from above-mentioned company **do not contain** any of the REACH Substances of Very High Concern (SVHC), as specified in the table below according to the Candidate list published by ECHA (European Chemical Agency).

#	Substance Name	CAS #	SVHC Published Date
1	Anthracene	120-12-7	2008-10-28
2	4,4'- Diaminodiphenylmethane	101-77-9	2008-10-28
3	Dibutyl phthalate	84-74-2	2008-10-28
4	Cobalt dichloride	7646-79-9	2008-10-28
5	Diarsenic pentaoxide	1303-28-2	2008-10-28
6	Diarsenic trioxide	1327-53-3	2008-10-28
7	Sodium dichromate, dihydrate	10588-01-9	2008-10-28

8	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	2008-10-28
9	Bis (2-ethyl(hexyl)phthalate) (DEHP)	117-81-7	2008-10-28
10	Hexabromocyclododecane (HBCDD)	3194-55-6	2008-10-28
11	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	2008-10-28
12	Bis(tributyltin) oxide,hexabutyldistannoxane	56-35-9	2008-10-28
13	Lead hydrogen arsenate	7784-40-9	2008-10-28
14	Triethyl arsenate	15606-95-8	2008-10-28
15	Benzyl butyl phthalate	85-68-7	2008-10-28
16	2,4-Dinitrotoluene	121-14-2	2010-1-13
17	Anthracene oil	90640-80-5	2010-1-13
18	Anthracene oil, anthracene paste	90640-81-6	2010-1-13
19	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	2010-1-13
20	Anthracene oil, anthracene paste,distn. lights	91995-17-4	2010-1-13
21	Anthracene oil, anthracene-low	90640-82-7	2010-1-13
22	Diisobutyl phthalate	84-69-5	2010-1-13
23	Lead chromate	7758-97-6	2010-1-13
24	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	12656-85-8	2010-1-13
25	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	2010-1-13
26	Pitch, coal tar, high temp.	65996-93-2	2010-1-13
27	Tris(2-chloroethyl)phosphate	115-96-8	2010-1-13
28	Acrylamide	79-06-1	2010-3-30
29	Trichloroethylene	79-01-6	2010-6-18
30	Boric acid	10043-35-3	2010-6-18
31	Disodium tetraborate, anhydrous	1330-43-4	2010-6-18
32	Tetraboron disodium heptaoxide, hydrate	12267-73-1	2010-6-18
33	Sodium chromate	7775-11-3	2010-6-18
34	Potassium chromate	7789-00-6	2010-6-18
35	Ammonium dichromate	7789-09-5	2010-6-18
36	Potassium dichromate	7778-50-9	2010-6-18
37	2-Ethoxyethanol	110-80-5	2010-12-15
38	2-Methoxyethanol	109-86-4	2010-12-15
39	Chromic acid	7738-94-5	2010-12-15
40	Chromium trioxide	1333-82-0	2010-12-15
41	Cobalt(II) carbonate	513-79-1	2010-12-15
42	Cobalt(II) diacetate	71-48-7	2010-12-15
43	Cobalt(II) dinitrate	10141-05-6	2010-12-15
44	Cobalt(II) sulphate	10124-43-3	2010-12-15
45	1,2,3-Trichloropropane	96-18-4	2011-6-20
46	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	2011-6-20

47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	2011-6-20
48	1-Methyl-2-pyrrolidone	872-50-4	2011-6-20
49	2-Ethoxyethyl acetate	111-15-9	2011-6-20
50	Hydrazine	302-01-2 / 7803-57-8	2011-6-20
51	Strontium chromate	7789-06-2	2011-6-20
52	Dichromium tris(chromate)	24613-89-6	2011-12-19
53	Potassium hydroxyoctaoxodizincatedi-chromate	11103-86-9	2011-12-19
54	Pentazinc chromate octahydroxide	49663-84-5	2011-12-19
55	Aluminosilicate Refractory Ceramic Fibres (RCF)	-	2011-12-19
56	Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF)	-	2011-12-19
57	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4	2011-12-19
58	Bis(2-methoxyethyl) phthalate	117-82-8	2011-12-19
59	2-Methoxyaniline; o-Anisidine	90-04-0	2011-12-19
60	4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)	140-66-9	2011-12-19
61	1,2-Dichloroethane	107-06-2	2011-12-19
62	Bis(2-methoxyethyl) ether	111-96-6	2011-12-19
63	Arsenic acid	7778-39-4	2011-12-19
64	Calcium arsenate	7778-44-1	2011-12-19
65	Trilead diarsenate	3687-31-8	2011-12-19
66	N,N-dimethylacetamide (DMAC)	127-19-5	2011-12-19
67	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	2011-12-19
68	Phenolphthalein	77-09-8	2011-12-19
69	Lead azide Lead diazide	13424-46-9	2011-12-19
70	Lead styphnate	15245-44-0	2011-12-19
71	Lead dipicrate	6477-64-1	2011-12-19
72	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C-I- Solvent Blue 4) *[with ≥ 0-1% of Michler's ketone (EC No- 202-027-5) or Michler's base (EC No- 202-959-2)]*	6786-83-0	2012-6-18
73	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	2012-6-18
74	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-TGIC)	59653-74-6	2012-6-18
75	Diboron trioxide	1303-86-2	2012-6-18
76	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	2012-6-18
77	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol *[with ≥ 0-1%*	561-41-1	2012-6-18

	of Michler's ketone (EC No- 202-027-5) or Michler's base (EC No-202-959-2)]		
78	Lead(II) bis(methanesulfonate)	17570-76-2	2012-6-18
79	Formamide	75-12-7	2012-6-18
80	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C-I- Basic Violet 3) *[with ≥ 0-1% of Michler's ketone (EC No-202-027-5) or Michler's base (EC No- 202-959-2)]*	548-62-9	2012-6-18
81	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	2012-6-18
82	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C-I- Basic Blue 26) *[with ≥ 0-1% of Michler's ketone (EC No- 202-027-5) or Michler's base (EC No- 202-959-2)]*	2580-56-5	2012-6-18
83	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	2451-62-9	2012-6-18
84	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8	2012-6-18
85	Pyrochlore, antimony lead yellow	8012-00-8	2012-12-19
86	6-methoxy-m-toluidine (p-cresidine)	120-71-8	2012-12-19
87	Henicosafluoroundecanoic acid	2058-94-8	2012-12-19
88	Hexahydromethylphthalic anhydride [1], Hexahydro-4-methylphthalic anhydride [2], Hexahydro-1-methylphthalic anhydride [3], Hexahydro-3-methylphthalic anhydride [4]	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9	2012-12-19
89	Cyclohexane-1,2-dicarboxylic anhydride [1], cis-cyclohexane-1,2-dicarboxylic anhydride [2], trans-cyclohexane-1,2-dicarboxylic anhydride [3]	85-42-7, 13149-00-3, 14166-21-3	2012-12-19
90	Dibutyltin dichloride (DBTC)	683-18-1	2012-12-19
91	Lead bis(tetrafluoroborate)	13814-96-5	2012-12-19
92	Lead dinitrate	10099-74-8	2012-12-19
93	Silicic acid, lead salt	11120-22-2	2012-12-19
94	4-Aminoazobenzene	60-09-3	2012-12-19
95	Lead titanium zirconium oxide	12626-81-2	2012-12-19
96	Lead monoxide (lead oxide)	1317-36-8	2012-12-19
97	o-Toluidine	95-53-4	2012-12-19
98	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	2012-12-19
99	Silicic acid (H2Si2O5), barium salt (1:1), lead-doped	68784-75-8	2012-12-19
100	Trilead bis(carbonate)dihydroxide	1319-46-6	2012-12-19
101	Furan	110-00-9	2012-12-19
102	N,N-dimethylformamide	68-12-2	2012-12-19
103	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated		2012-12-19
104	4-Nonylphenol, branched and linear		2012-12-19

105	4,4'-methylenedi-o-toluidine	838-88-0	2012-12-19
106	Diethyl sulphate	64-67-5	2012-12-19
107	Dimethyl sulphate	77-78-1	2012-12-19
108	Lead oxide sulfate	12036-76-9	2012-12-19
109	Lead titanium trioxide	12060-00-3	2012-12-19
110	Acetic acid, lead salt, basic	51404-69-4	2012-12-19
111	[Phthalato(2-)]dioxotrilead	69011-06-9	2012-12-19
112	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	1163-19-5	2012-12-19
113	N-methylacetamide	79-16-3	2012-12-19
114	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	2012-12-19
115	1,2-Diethoxyethane	629-14-1	2012-12-19
116	Tetralead trioxide sulphate	12202-17-4	2012-12-19
117	N-pentyl-isopentylphthalate	776297-69-9	2012-12-19
118	Dioxobis(stearato)trilead	12578-12-0	2012-12-19
119	Tetraethyllead	78-00-2	2012-12-19
120	Pentalead tetraoxide sulphate	12065-90-6	2012-12-19
121	Pentacosafluorotridecanoic acid	72629-94-8	2012-12-19
122	Tricosafluorododecanoic acid	307-55-1	2012-12-19
123	Heptacosafluorotetradecanoic acid	376-06-7	2012-12-19
124	1-bromopropane (n-propyl bromide)	106-94-5	2012-12-19
125	Methoxyacetic acid	625-45-6	2012-12-19
126	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	2012-12-19
127	Methyloxirane (Propylene oxide)	75-56-9	2012-12-19
128	Trilead dioxide phosphonate	12141-20-7	2012-12-19
129	o-aminoazotoluene	97-56-3	2012-12-19
130	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	2012-12-19
131	4,4'-oxydianiline and its salts	101-80-4	2012-12-19
132	Orange lead (lead tetroxide)	1314-41-6	2012-12-19
133	Biphenyl-4-ylamine	92-67-1	2012-12-19
134	Diisopentylphthalate	605-50-5	2012-12-19
135	Fatty acids, C16-18, lead salts	91031-62-8	2012-12-19
136	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	2012-12-19
137	Sulfurous acid, lead salt, dibasic	62229-08-7	2012-12-19
138	Lead cyanamidate	20837-86-9	2012-12-19

Signature: *Jeff England* Date: 3/25/2013

Material Declaration

Supplier name ：LINK-PP INT'L TECHNOLOGY Co.,LIMITED
Part No. ： LPJ0011BBNL
Description : Mod Jack RJ-45 8/8P
Part Mass (g):7.053
Date ：2013-02-19

No.	Sub-parts		Material Information Chemical						Precision Analysis Info									SVHC (Y/N)
	Sub-parts Name	Weight(g)	Homogeneous Material	Main Chemical	Ratio (wt%)	CAS No.	EC NO.	Ratio (wt%)	Testing Institute	Report Issue Date	Pb	Cd	Hg	Cr6+	PBB	PBDE	ICP	
1	Brass Shell	2.278	Brass	Cu	32.11%	7440-50-8		67.74%	SGS	2012.2.13	16	ND	ND	ND	ND	ND		N
				Fe		7439-89-6		0.02%	SGS			ND	ND	ND	ND	ND		
				Pb		———		<0.003%	SGS			ND	ND	ND	ND	ND		
				Zn		7440-66-6		REM	SGS			ND	ND	ND	ND	ND		
				Sb		———		0.00%	SGS			ND	ND	ND	ND	ND		
				Ni		7440-02-0		0.01%	SGS			ND	ND	ND	ND	ND		
				P		7723-14-0		0.00%	SGS			ND	ND	ND	ND	ND		
2	Plastic Case	2.114	PBT	Poly	29.80%	26062-94-2		51.50%	SGS	2011.9.27	ND	ND	ND	ND	ND	ND		N
				Glass Fiber		65997-17-3		18.00%	SGS		ND	ND	ND	ND	ND	ND		
				Tris(tribromophenyl) cyanurate		25713-60-4		30.00%	SGS		ND	ND	ND	ND	ND	ND		
				Sodium allylsulfonate		2495-39-8		0.50%	SGS		ND	ND	ND	ND	ND	ND		
3	Phosphorous Contact	1.387	Phosphor Bronze	Cu	19.42%	7440-50-8		93.70%	SGS		ND	ND	ND	ND	ND	ND		N
				Sn		7440-31-5		4.20-6.91%	SGS		ND	ND	ND	ND	ND	ND		
				Zn		7440-66-6		REM	SGS		ND	ND	ND	ND	ND	ND		

				Si		7440-21-3		0.17%	SGS		ND	ND	ND	ND	ND	ND			
				Fe		7439-89-6		0.13%	SGS		ND	ND	ND	ND	ND	ND			
4	core	0.176	FERRITE	H_2O	2.48%	———		0.12%	SGS	2012.5.19	4	ND	ND	ND	ND	ND		N	
				Fe_2O^3		———		54.00%	SGS			ND	ND	ND	ND	ND			
				N_1O		———		28.10%	SGS			ND	ND	ND	ND	ND			
				ZnO		———		17.30%	SGS			ND	ND	ND	ND	ND			
				Parylene C		———		0.60%	SGS			ND	ND	ND	ND	ND			
				Epichlorohydrin		106-89-8		37.79%	SGS			ND	ND	ND	ND	ND			
				TBBA		79-94-7		0.01%	SGS			ND	ND	ND	ND	ND			
				Cu		7440-50-8		12.60%	SGS			ND	ND	ND	ND	ND			
				SiO2		14808-60-7		18.18%	SGS			ND	ND	ND	ND	ND			
				CaO		1305-78-8		6.72%	SGS			ND	ND	ND	ND	ND			
				Al2 O3		1344-28-1		4.70%	SGS			ND	ND	ND	ND	ND			
				MgO		1309-48-4		1.00%	SGS			ND	ND	ND	ND	ND			
				B2O 3		1303-86-2		2.00%	SGS			ND	ND	ND	ND	ND			
				Na2 O & K2O		1313-59-3&12136-45-7		0.37%	SGS			ND	ND	ND	ND	ND			
				Fe2 O3		1309-37-1		0.13%	SGS			ND	ND	ND	ND	ND			
				TiO2		13463-67-7		0.57%	SGS			ND	ND	ND	ND	ND			

5	PCB	0.255	FR-4	F2	3.59%	7782-41-4		0.23%	SGS	2012.2.9	12	ND	ND	ND	ND	ND		N
				Only cause		71868-10-5		0.31%	SGS			ND	ND	ND	ND	ND		
				Mao green		1328-53-6		0.52%	SGS			ND	ND	ND	ND	ND		
				BaSO4		7727-43-7		2.71%	SGS			ND	ND	ND	ND	ND		
				Dimethyl silicone oil 201		9016-00-6		0.18%	SGS			ND	ND	ND	ND	ND		
				cristobalite		14464-46-1		0.20%	SGS			ND	ND	ND	ND	ND		
				Melamine		108-78-1		0.15%	SGS			ND	ND	ND	ND	ND		
				DBE		64742-94-5		0.58%	SGS			ND	ND	ND	ND	ND		
				TGIC		2451-62-9		0.16%	SGS			ND	ND	ND	ND	ND		
				BaSO4		7727-43-7		2.71%	SGS			ND	ND	ND	ND	ND		
				DPHA		29570-58-9		0.32%	SGS			ND	ND	ND	ND	ND		
				poly((O-cresyl glycidyl ether)-co-formaldehyde)		29690-82-2		0.27%	SGS			ND	ND	ND	ND	ND		
				araldite		25068-38-6		0.33%	SGS			ND	ND	ND	ND	ND		
				Dicyandiamide		461-58-5		0.09%	SGS			ND	ND	ND	ND	ND		
				Silicone oil		63148-62-9		0.04%	SGS			ND	ND	ND	ND	ND		
				AU		7440-57-5		1.99%	SGS			ND	ND	ND	ND	ND		
				Fe		7439-89-6		0.01%	SGS			ND	ND	ND	ND	ND		
				Ni2SO4		7786-81-4		3.64%	SGS			ND	ND	ND	ND	ND		

				NiCP2		7718-54-9		0.04%	SGS			ND	ND	ND	ND	ND			
				P		7723-14-0		0.32%	SGS			ND	ND	ND	ND	ND			
6	LED	0.372	GaP	Epoxy	5.24%	25068-38-6		23.75%	SGS	2012.3.16	ND	ND	ND	ND	ND	ND	Adobe Acrobat PDFXNL Document	N
				Thinning Agent		68609-97-2		1.25%	SGS		ND	ND	ND	ND	ND	ND		
				Fe		7439-89-6		42.00%	SGS		ND	ND	ND	ND	ND	ND		
				Cu		7440-50-8		7.00%	SGS		ND	ND	ND	ND	ND	ND		
				Ag		7440-22-4		3.50%	SGS		ND	ND	ND	ND	ND	ND		
				Ni		7440-02-0		7.00%	SGS		ND	ND	ND	ND	ND	ND		
				Sn		7440-31-5		10.50%	SGS		ND	ND	ND	ND	ND	ND		
				Ga		7440-55-3		0.45%	SGS		ND	ND	ND	ND	ND	ND		
				As		7440-38-2		0.45%	SGS		ND	ND	ND	ND	ND	ND		
				p		7723-14-0		0.60%	SGS		ND	ND	ND	ND	ND	ND		
				Ag		7440-22-4		2.85%	SGS		ND	ND	ND	ND	ND	ND		
				Epoxy		25068-38-6		0.15%	SGS		ND	ND	ND	ND	ND	ND		
				Au		7440-55-5		0.50%	SGS		ND	ND	ND	ND	ND	ND		
7	Phosphorous Wire(R)	0.188	Phosphor Bronze	Copper	3%	———		97.1-97.8%	SGS	2012.1.12	ND	ND	ND	ND	ND	ND	Adobe Acrobat PDFXNL Document	N
8	Phosphorous Wire(RR)			Polyurethane resin		———		2.0-2.6%	SGS	2012.1.12	ND	ND	ND	ND	ND	ND	Adobe Acrobat PDFXNL Document	N
9	Phosphorous Wire(BR)			Polyanide		———		0.2-0.3%	SGS	2012.1.12	ND	ND	ND	ND	ND	ND	Adobe Acrobat PDFXNL Document	N

10	Phosphorous Wire(GR)			resin		———		0.2-0.3%	SGS	2012.1.12	ND	ND	ND	ND	ND	ND		N
11	Resistance	0.006	Thick Film Chip Resistor	Additives	0.09%	2530-83-8		0.15%	SGS	2012.1.5	333	ND	ND	ND	ND	ND		N
				Aluminum trioxide		1344-28-1		90.21%	SGS			ND	ND	ND	ND	ND		
				Bismuth Oxide		1304-76-3		0.02%	SGS			ND	ND	ND	ND	ND		
				BISPHENOL A DIGLYCIDYL ETHER RESIN		25068-38-6		0.31%	SGS			ND	ND	ND	ND	ND		
				Boron Trioxide		1303-86-2		0.06%	SGS			ND	ND	ND	ND	ND		
				Cellulose resin		9004-57-3		0.03%	SGS			ND	ND	ND	ND	ND		
				Chromium		7440-47-3		0.00%	SGS			ND	ND	ND	ND	ND		
				Color pigments		68186-91-4		0.15%	SGS			ND	ND	ND	ND	ND		
				Cupric oxide		1317-38-0		0.07%	SGS			ND	ND	ND	ND	ND		
				Epoxy		29661-89-0		0.28%	SGS			ND	ND	ND	ND	ND		
				Glass Frits		65997-18-4		0.68%	SGS			ND	ND	ND	ND	ND		
				Lead oxide		1317-36-8		0.13%	SGS			ND	ND	ND	ND	ND		
				Magnesium oxide		1309-48-4		0.93%	SGS			ND	ND	ND	ND	ND		
				Manganese Oxide		1313-13-9		0.02%	SGS			ND	ND	ND	ND	ND		
				Manganess Oxide		1344-43-0		0.01%	SGS			ND	ND	ND	ND	ND		
				Ni		7440-02-0		0.32%	SGS			ND	ND	ND	ND	ND		
				Palladium		7440-05-3		0.13%	SGS			ND	ND	ND	ND	ND		

				Pigment (Barium sulfate)		7727-43-7		0.02%	SGS			ND	ND	ND	ND	ND		
				Pigment(Chromium(III) Oxide)		1308-38-9		0.01%	SGS			ND	ND	ND	ND	ND		
				Ruthenium Dioxide		12036-10-1		0.04%	SGS			ND	ND	ND	ND	ND		
				Silicon dioxide		14808-60-7		2.47%	SGS			ND	ND	ND	ND	ND		
				Silicon dioxide		60676-86-0		0.37%	SGS			ND	ND	ND	ND	ND		
				Silicon oxide		7631-86-9		0.19%	SGS			ND	ND	ND	ND	ND		
				Silver		7440-22-4		2.52%	SGS			ND	ND	ND	ND	ND		
				Talc		14807-96-6		0.06%	SGS			ND	ND	ND	ND	ND		
				Tin		7440-31-5		0.42%	SGS			ND	ND	ND	ND	ND		
				Titanium (IV) Oxide		13463-67-7		0.03%	SGS			ND	ND	ND	ND	ND		
				Vanadium oxide		1314-62-1		0.02%	SGS			ND	ND	ND	ND	ND		
12	Capacitance	0.072	X7R Series	BaTiO3	1.01%	12047-27-7		85.41%	SGS	2012.1.20	ND	ND	ND	ND	ND	ND	Adobe Acrobat PDFML Document	N
				Dopant		———		4.43%	SGS		ND	ND	ND	ND	ND	ND		
				Ni		7440-02-0		5.10%	SGS		ND	ND	ND	ND	ND	ND		
				Cu		7440-50-8		5.62%	SGS		ND	ND	ND	ND	ND	ND		
				Ni		7440-02-0		0.15%	SGS		ND	ND	ND	ND	ND	ND		
				Sn		7440-31-5		0.53%	SGS		ND	ND	ND	ND	ND	ND		
				Sn		7440-31-5		REM	SGS			ND	ND	ND	ND	ND		

13	Tin	0.05	Su/Cu	Pb	0.71%	7439-92-1		<0.10%	SGS	2011.10.24	62	ND	ND	ND	ND	ND		N
				Sb		———		<0.10%	SGS			ND	ND	ND	ND	ND		
				Cu		7440-50-8		0.7±0.2	SGS			ND	ND	ND	ND	ND		
				Bi		7440-69-9		<0.10%	SGS			ND	ND	ND	ND	ND		
				Zn		7440-66-6		<0.002%	SGS			ND	ND	ND	ND	ND		
				Fe		7439-89-6		<0.02%	SGS			ND	ND	ND	ND	ND		
				Al		7429-90-5		<0.002%	SGS			ND	ND	ND	ND	ND		
				Cd		7440-43-9		<0.002%	SGS			ND	ND	ND	ND	ND		
14	Epoxide-resin glue(A)	0.155	Epoxide-resin glue	Organopolysiloxane mixture	2.18%	———		99.45%	INTERTEK	2011.7.14	ND	ND	ND	ND	ND	ND		N
15	Epoxide-resin glue(B)			Crystalline silica		———		0.55%	INTERTEK	2.11.7.14	ND	ND	ND	ND	ND	ND		N

Test Report (SVHC)

No.: CANEC1300678301 Date: 23 Jan 2013

PCB UNIVERSE INC.
11818 SE MILL PLAIN BLVD, SUITE 208
VANCOUVER, WA 98684 USA

The following sample(s) was/were submitted and identified on behalf of the clients as : Immersion Au

SGS Job No.	: CP13-001959 - SZ
Date of Sample Received	: 14 Jan 2013
Testing Period	: 14 Jan 2013 – 23 Jan 2013

Test Requested : As requested by client, SVHC screening is performed according to:
(i) One hundred and thirty eight (138) substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) on and before Dec 19, 2012 regarding Regulation (EC) No 1907/2006 concerning the REACH.

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

Summary :

According to the specified scope and analytical techniques, concentrations of tested SVHC are ≤ 0.1% (w/w) in the submitted sample.	PASS

Signed for and on behalf of
SGS-CSTC Ltd.

Zm guan
Approved Signatory

Remark :

(1) The chemical analysis of specified SVHC is performed by means of currently available analytical techniques against the following SVHC related documents published by ECHA:
http://echa.europa.eu/web/guest/candidate-list-table
These lists are under evaluation by ECHA and may subject to change in the future.

(2) Concerning article(s):
In accordance with Regulation (EC) No 1907/2006, any EU producer or importer of articles shall notify ECHA, in accordance with paragraph 4 of Article 7, if a substance meets the criteria in Article 57 and is identified in accordance with Article 59(1) of the Regulation, if (a) the substance in the Candidate List is present in those articles in quantities totaling over one tonne per producer or importer per year; and (b) the substance in the Candidate List is present in those articles above a concentration of 0.1% weight by weight (w/w).

Article 33 of Regulation (EC) No 1907/2006 requires supplier of an article containing a substance meeting the criteria in Article 57 and identified in accordance with Article 59(1) in a concentration above 0.1% weight by weight (w/w) shall provide the recipient of the article with sufficient information, available to the supplier, to allow safe use of the article including, as a minimum, the name of that substance in the Candidate List.

SGS adopts the interpretation of ECHA for SVHC in article unless indicated otherwise. Detail explanation is available at the following link:
http://webstage.contribute.sgs.net/corpreach/documents/SGS-CTS_SVHC-paper-EN-11.pdf

(3) Concerning material(s):
Test results in this report are based on the tested sample. This report refers to testing result of tested sample submitted as homogenous material(s). In case such material is being used to compose an article, the results indicated in this report may not represent SVHC concentration in such article. If this report refers to testing result of composite material group by equal weight proportion, the material in each composite test group may come from more than one article.

If the sample is a substance or mixture, and it directly exports to EU, client has the obligation to comply with the supply chain communication obligation under Article 31 of Regulation (EC) No. 1907/2006 and the conditions of Authorization of substance of very high concern included in the Annex XIV of the Regulation (EC) No. 1907/2006.

(4) Concerning substance and preparation:
If a SVHC is found over 0.1% (w/w) and/or the specific concentration limit which is set in Regulation (EC) No 1272/2008 and No 790/2009, client is suggested to prepare a Safety Data Sheet (SDS) against the SVHC to comply with the supply chain communication obligation under Regulation (EC) No 1907/2006, in which:
- a substance that is classified as hazardous under the CLP Regulation (EC) No 1272/2008.

- a mixture that is classified as dangerous according Dangerous Preparations Directive 1999/45/EC or classified as hazardous under the CLP Regulation (EC) No 1272/2008, when their concentrations are equal to, or greater than, those defined in the Article 3(3) of 1999/45/EC or the lower values given in Part 3 of Annex VI of Regulation (EC) No. 1272/2008; or

- a mixture is not classified as dangerous under Directive 1999/45/EC, but contains either:

(a) a substance posing human health or environmental hazards in an individual concentration of ≥ 1 % by weight for mixtures that are solid or liquids (i.e., non-gaseous mixtures) or ≥ 0.2 % by volume for gaseous mixtures; or
(b) a substance that is PBT, or vPvB in an individual concentration of ≥ 0.1 % by weight for mixtures that are solid or liquids (i.e., non-gaseous mixtures); or
(c) a substance on the SVHC candidate list (for reasons other than those listed above), in an individual concentration of ≥ 0.1 % by weight for non-gaseous mixtures; or
(d) a substance for which there are Europe-wide workplace exposure limits.

(5) If a SVHC is found over the reporting limit, client is suggested to identify the component which contains the SVHC and the exact concentration of the SVHC by requesting further quantitative analysis from the laboratory.

Test Sample :

Sample Description :

Specimen No.	SGS Sample ID	Description
1	CAN13-006783.001	Green "PCB"

Test Method:

SGS In-House method- GZTC CHEM-TOP-092-01, GZTC CHEM-TOP-092-02, Analyzed by ICP-OES, GC-MS, UV-VIS and Colorimetric Method/HPLC-DAD/MS.

Test Result: (Substances in the Candidate List of SVHC)

No.	Substance Name	CAS No.	EC No.	001 Concentration (%)	RL(%)
1	[Phthalato(2-)]dioxotrilead*	69011-06-9	273-688-5	ND	0.005
2	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)§	2580-56-5	219-943-6	ND	0.050
3	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3)§	548-62-9	208-953-6	ND	0.050
4	1,2,3-trichloropropane	96-18-4	202-486-1	ND	0.050
5	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	276-158-1	ND	0.050
6	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	271-084-6	ND	0.050
7	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	284-032-2	ND	0.050
8	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	203-977-3	ND	0.050
9	1,2-dichloroethane	107-06-2	203-458-1	ND	0.050
10	1,2-Diethoxyethane	629-14-1	211-076-1	ND	0.050
11	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	203-794-9	ND	0.050
12	1-Bromopropane	106-94-5	203-445-0	ND	0.050
13	1-Methyl-2-pyrrolidone	872-50-4	212-828-1	ND	0.050
14	2,2'-dichloro-4,4'-methylenedianiline	101-14-4	202-918-9	ND	0.050
15	2-Methoxyaniline; o-Anisidine	90-04-0	201-963-1	ND	0.050
16	2,4-Dinitrotoluene	121-14-2	204-450-0	ND	0.050
17	2-Ethoxyethanol	110-80-5	203-804-1	ND	0.050
18	2-Ethoxyethyl acetate	111-15-9	203-839-2	ND	0.050

No.	Substance Name	CAS No.	EC No.	001 Concentration (%)	RL(%)
19	2-Methoxyethanol	109-86-4	203-713-7	ND	0.050
20	3-Ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	421-150-7	ND	0.050
21	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	205-426-2	ND	0.050
22	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated	-	-	ND	0.050
23	4,4'-bis(dimethylamino) benzophenone (Michler's Ketone)	90-94-8	202-027-5	ND	0.050
24	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol§	561-41-1	209-218-2	ND	0.050
25	4,4'-Diaminodiphenylmethane(MDA)	101-77-9	202-974-4	ND	0.050
26	4,4'-Methylenedi-*o*-toluidine	838-88-0	212-658-8	ND	0.050
27	4,4'-Oxydianiline and its salts	101-80-4	202-977-0	ND	0.050
28	4-Aminoazobenzene	60-09-3	200-453-6	ND	0.050
29	4-Methyl-*m*-phenylenediamine	95-80-7	202-453-1	ND	0.050
30	4-Nonylphenol, branched and linear	-	-	ND	0.050
31	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	201-329-4	ND	0.050
32	6-Methoxy-*m*-toluidine	120-71-8	204-419-1	ND	0.050
33	Acetic acid, lead salt, basic*	51404-69-4	257-175-3	ND	0.005
34	Acrylamide	79-06-1	201-173-7	ND	0.050
35	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	287-476-5	ND	0.050
36	Aluminosilicate Refractory Ceramic Fibres*▲	650-017-00-8 (Index no.)	-	ND	0.005
37	Ammonium dichromate*	7789-09-5	232-143-1	ND	0.005
38	Anthracene	120-12-7	204-371-1	ND	0.050
39	Anthracene oil*	90640-80-5	292-602-7	ND	0.050
40	Anthracene oil, anthracene paste*	90640-81-6	292-603-2	ND	0.050

No.	Substance Name	CAS No.	EC No.	001 Concentration (%)	RL(%)
41	Anthracene oil, anthracene paste, anthracene fraction*	91995-15-2	295-275-9	ND	0.050
42	Anthracene oil, anthracene paste, distn. Lights*	91995-17-4	295-278-5	ND	0.050
43	Anthracene oil, anthracene-low*	90640-82-7	292-604-8	ND	0.050
44	Arsenic acid*	7778-39-4	231-901-9	ND	0.005
45	Benzyl butyl phthalate (BBP)	85-68-7	201-622-7	ND	0.050
46	Biphenyl-4-ylamine	92-67-1	202-177-1	ND	0.050
47	Bis(2-ethylhexyl)phthalate (DEHP)	117-81-7	204-211-0	ND	0.050
48	Bis(2-methoxyethyl) ether	111-96-6	203-924-4	ND	0.050
49	Bis(2-methoxyethyl) phthalate	117-82-8	204-212-6	ND	0.050
50	Bis(pentabromophenyl) ether (DecaBDE)	1163-19-5	214-604-9	ND	0.050
51	Bis(tributyltin)oxide (TBTO)	56-35-9	200-268-0	ND	0.050
52	Boric acid*	10043-35-3 11113-50-1	233-139-2 234-343-4	0.059	0.005
53	Calcium arsenate*	7778-44-1	231-904-5	ND	0.005
54	Chromic acid, Oligomers of chromic acid and dichromic acid, Dichromic acid*	7738-94-5 - 13530-68-2	231-801-5 - 236-881-5	ND	0.005
55	Chromium trioxide*	1333-82-0	215-607-8	ND	0.005
56	Cobalt dichloride*	7646-79-9	231-589-4	ND	0.005
57	Cobalt(II) carbonate*	513-79-1	208-169-4	ND	0.005
58	Cobalt(II) diacetate*	71-48-7	200-755-8	ND	0.005
59	Cobalt(II) dinitrate*	10141-05-6	233-402-1	ND	0.005

No.	Substance Name	CAS No.	EC No.	001 Concentration (%)	RL(%)
60	Cobalt(II) sulphate*	10124-43-3	233-334-2	ND	0.005
61	Diarsenic pentaoxide*	1303-28-2	215-116-9	ND	0.005
62	Diarsenic trioxide*	1327-53-3	215-481-4	ND	0.005
63	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	204-650-8	ND	0.050
64	Diboron trioxide*	1303-86-2	215-125-8	0.033	0.005
65	Dibutyltin dichloride (DBTC)	683-18-1	211-670-0	ND	0.050
66	Dibutyl phthalate (DBP)	84-74-2	201-557-4	ND	0.050
67	Dichromium tris(chromate)*	24613-89-6	246-356-2	ND	0.005
68	Diethyl sulphate	64-67-5	200-589-6	ND	0.050
69	Diisobutyl phthalate	84-69-5	201-553-2	ND	0.050
70	Disodium tetraborate, anhydrous*	1303-96-4 1330-43-4 12179-04-3	215-540-4	ND	0.005
71	Diisopentylphthalate	605-50-5	210-088-4	ND	0.050
72	Dimethyl sulphate	77-78-1	201-058-1	ND	0.050
73	Dinoseb	88-85-7	201-861-7	ND	0.050
74	Dioxobis(stearato)trilead*	12578-12-0	235-702-8	ND	0.005
75	Fatty acids, C16-18, lead salts*	91031-62-8	292-966-7	ND	0.005
76	Formaldehyde, oligomeric reaction products with aniline	25214-70-4	500-036-1	ND	0.050
77	Formamide	75-12-7	200-842-0	ND	0.050
78	Furan	110-00-9	203-727-3	ND	0.050

No.	Substance Name	CAS No.	EC No.	001 Concentration (%)	RL(%)
79	Henicosafluoroundecanoic acid	2058-94-8	218-165-4	ND	0.050
80	Heptacosafluorotetradecanoic acid	376-06-7	206-803-4	ND	0.050
81	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α-HBCDD, β-HBCDD, γ-HBCDD) Δ	25637-99-4 and 3194- 55-6	247-148-4 and 221-695-9	ND	0.050
82	Cyclohexane-1,2-dicarboxylic anhydride, *cis*-cyclohexane-1,2-dicarboxylic anhydride, *trans*-cyclohexane-1,2-dicarboxylic anhydride	85-42-7, 13149-00-3, 14166-21-3	201-604-9, 236-086-3, 238-009-9	ND	0.050
83	Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride	☆	☆	ND	0.050
84	Hydrazine	7803-57-8 302-01-2	206-114-9	ND	0.050
85	Lead bis(tetrafluoroborate)*	13814-96-5	237-486-0	ND	0.005
86	Lead chromate*	7758-97-6	231-846-0	ND	0.005
87	Lead cyanamidate*	20837-86-9	244-073-9	ND	0.005
88	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)*	12656-85-8	235-759-9	ND	0.005
89	Lead diazide, Lead azide*	13424-46-9	236-542-1	ND	0.005
90	Lead dipicrate*	6477-64-1	229-335-2	ND	0.005
91	Lead dinitrate*	10099-74-8	233-245-9	ND	0.005
92	Lead hydrogen arsenate*	7784-40-9	232-064-2	ND	0.005
93	Lead monoxide*	1317-36-8	215-267-0	ND	0.005
94	Lead oxide sulfate*	12036-76-9	234-853-7	ND	0.005
95	Lead styphnate*	15245-44-0	239-290-0	ND	0.005

No.	Substance Name	CAS No.	EC No.	001 Concentration (%)	RL(%)
96	Lead sulfochromate yellow (C.I. Pigment Yellow 34)*	1344-37-2	215-693-7	ND	0.005
97	Lead tetroxide (orange lead)*	1314-41-6	215-235-6	ND	0.005
98	Lead titanium trioxide*	12060-00-3	235-038-9	ND	0.005
99	Lead titanium zirconium oxide*	12626-81-2	235-727-4	ND	0.005
100	Lead(II) bis(methanesulfonate)*	17570-76-2	401-750-5	ND	0.005
101	Methoxyacetic acid	625-45-6	210-894-6	ND	0.050
102	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	202-959-2	ND	0.050
103	N,N-dimethylacetamide	127-19-5	204-826-4	ND	0.050
104	N,N-dimethylformamide	68-12-2	200-679-5	ND	0.050
105	N-Methylacetamide	79-16-3	201-182-6	ND	0.050
106	N-Pentyl-isopentylphthalate	776297-69-9	-	ND	0.050
107	o-Aminoazotoluene	97-56-3	202-591-2	ND	0.050
108	o-Toluidine	95-53-4	202-429-0	ND	0.050
109	Pentacosafluorotridecanoic acid	72629-94-8	276-745-2	ND	0.050
110	Pentalead tetraoxide sulphate*	12065-90-6	235-067-7	ND	0.005
111	Pentazinc chromate octahydroxide*	49663-84-5	256-418-0	ND	0.005
112	Phenolphthalein	77-09-8	201-004-7	ND	0.050
113	Pitch, coal tar, high temp.*	65996-93-2	266-028-2	ND	0.050
114	Potassium chromate*	7789-00-6	232-140-5	ND	0.005
115	Potassium dichromate*	7778-50-9	231-906-6	ND	0.005

No.	Substance Name	CAS No.	EC No.	001 Concentration (%)	RL(%)
116	Potassium hydroxyoctaoxodizincatedichromate*	11103-86-9	234-329-8	ND	0.005
117	Methyloxirane (Propylene oxide)	75-56-9	200-879-2	ND	0.050
118	Pyrochlore, antimony lead yellow*	8012-00-8	232-382-1	ND	0.005
119	Silicic acid, barium salt, lead-doped*	68784-75-8	272-271-5	ND	0.005
120	Silicic acid, lead salt*	11120-22-2	234-363-3	ND	0.005
121	Sodium chromate*	7775-11-3	231-889-5	ND	0.005
122	Sodium dichromate*	7789-12-0 10588-01-9	234-190-3	ND	0.005
123	Strontium chromate*	7789-06-2	232-142-6	ND	0.005
124	Sulfurous acid, lead salt, dibasic*	62229-08-7	263-467-1	ND	0.005
125	Tetraboron disodium heptaoxide, hydrate*	12267-73-1	235-541-3	ND	0.005
126	Tetraethyllead*	78-00-2	201-075-4	ND	0.005
127	Tetralead trioxide sulphate*	12202-17-4	235-380-9	ND	0.005
128	TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione)	2451-62-9	219-514-3	ND	0.050
129	Trichloroethylene	79-01-6	201-167-4	ND	0.050
130	Tricosafluorododecanoic acid	307-55-1	206-203-2	ND	0.050
131	Triethyl arsenate*	15606-95-8	427-700-2	ND	0.005
132	Trilead bis(carbonate)dihydroxide (basic lead carbonate)*	1319-46-6	215-290-6	ND	0.005
133	Trilead diarsenate*	3687-31-8	222-979-5	ND	0.005
134	Trilead dioxide phosphonate*	12141-20-7	235-252-2	ND	0.005
135	Tris(2-chloroethyl)phosphate	115-96-8	204-118-5	ND	0.050

No.	Substance Name	CAS No.	EC No.	001 Concentration (%)	RL(%)
136	Zirconia Aluminosilicate Refractory Ceramic Fibres*▲	650-017-00-8 (Index no.)	-	ND	0.005
137	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)§	6786-83-0	229-851-8	ND	0.050
138	β-TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	59653-74-6	423-400-0	ND	0.050

Notes:

(1) RL = Reporting Limit. All RL are based on homogenous material
ND = Not detected (lower than RL), ND is denoted on the SVHC substance.

(2) △ CAS No. of diastereoisomers identified (α-HBCDD, β-HBCDD, γ-HBCDD): 134237-50-6, 134237-51-7, 134237-52-8
☆ CAS No. of Hexahydromethylphathalic anhydride, Hexahydro-4-methylphathalic anhydride, Hexahydro-1-methylphathalic anhydride, Hexahydro-3-methylphathalic anhydride: 25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9; EC No. of those: 247-094-1, 243-072-0, 256-356-4, 260-566-1.

(3)* The test result is based on the calculation of selected element(s) / marker(s) and to the worst-case scenario. For detail information, please refer to the SGS REACH website: www.reach.sgs.com/substance-of-very-high-concern-analysis-information-page.htm

Calculated concentration of diboron trioxide, boric acid, disodium tetraborate anhydrous, tetraboron disodium heptaoxide hydrate and Lead bis(tetrafluoroborate) are based on the water extractive boron and sodium by ICP-OES.

RL = 0.005% is evaluated for element (i.e. cobalt, arsenic, lead, sodium, chromium (VI), silicon, aluminum, zirconium, boron, potassium, strontium, zinc, calcium, antimony, titanium and barium respectively), except molybdenum RL=0.0005%, boron RL=0.0025% (only for Lead bis(tetrafluoroborate)).

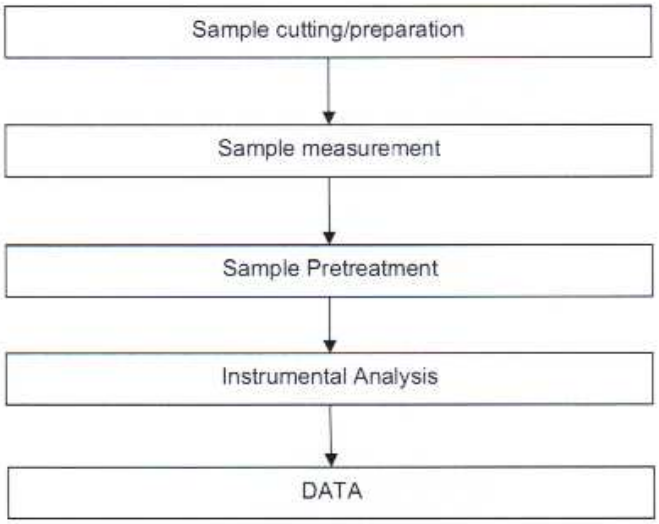
(4)§ The substance is proposed for the identification as SVHC only where it contains Michler's ketone (CAS Number: 90-94-8) or Michler's base (CAS Number: 101-61-1) ≥0.1% (w/w).

(5)▲ On Jun 18, 2012, ECHA consolidated two entries of aluminosilicate refractory ceramic fibres and two of zirconia aluminosilicate refractory ceramic fibres in the Candidate List of SVHC for authorization published in Jan 2010 and Dec 2011 into one entry for aluminosilicate refractory ceramic fibres and one for zirconia aluminosilicate refractory ceramic fibres.

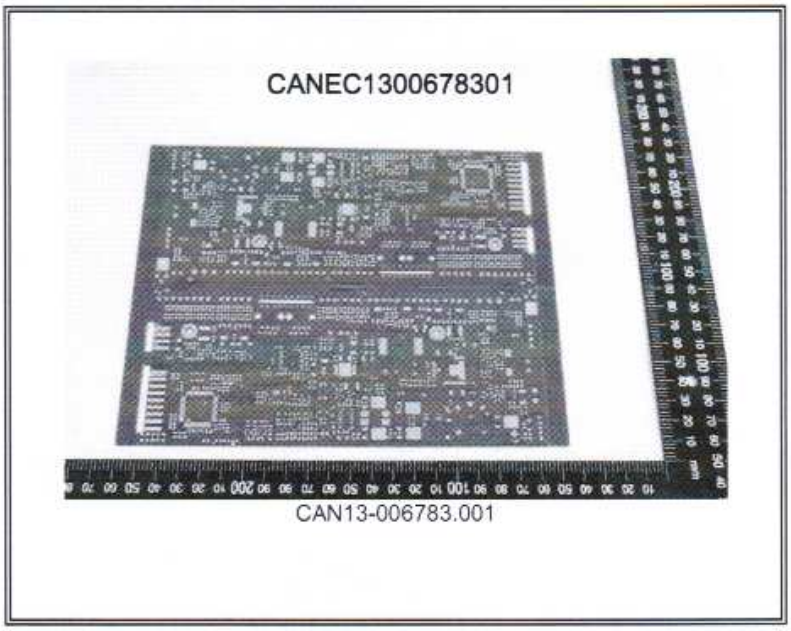
ATTACHMENTS

SVHC Testing Flow Chart

1) Name of the person who made testing: Michael Tso / Liu Qiong
2) Name of the person in charge of testing: Adams Yu / Yolanda Wei



Sample photo:



CAN13-006783.001

SGS authenticate the photo on original report only

*** End of Report ***

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CERTIFICATE OF ORIGIN

Date: **Apr 03, 2013**

Part Number: **10UM-02103BK**

Description: **Mini USB 2.0 Cable, Black, Type A Male to 5 Pin Mini-B Male, 3 foot**

This is to certify the country or countries of origin for materials used in the production of the above-referenced part.

Percent	Country	Notes
100%	CN - China	

This is to certify the country of final assembly for the above-referenced part:

Percent	Country	HTS / Schedule B	ECCN	Notes
100%	CN - China	8544.42.9000	EAR-99	Producer: Cable Showcase

The above-named product:

- ☐ **Does**
- ☑ **Does Not**

qualify as Originating Goods under the NAFTA Rules of Origin.

The above-named product:

- ☑ **Does**
- ☐ **Does Not**

comply with the European Union REACH 1907/2006 (SVHC 84) directive, as well as the RoHS 2002/95/EC directive, with NO RoHS EXEMPTIONS APPLIED.

All units comply with the purchase agreements and applicable specifications in effect at the date of manufacture.

Signed: _____
Quality Assurance Manager