# 承 認 書

## APPROVAL SHEET

| CUSTOMER:          | 大眾電腦股份有限公司          |
|--------------------|---------------------|
|                    |                     |
| APPLICABLE MODEL:_ |                     |
| PART NO            | 20-25373-00         |
| DESCRIPTION        | FH23-39S-0.3SHW(05) |
|                    |                     |
| MANUFACTURER       | HIROSE              |
| DEMADE             |                     |
| REMARK             |                     |





育達電子股份有限公司 IIDA ELECTRONICS CO., LTD.

TEL:2509-7866 FAX:2509-7808

|      |  | 000000          |                      | 10115   |        |   |            |                     | <del>-</del>                         | Ι                                  | T                         |                                | <del></del>       |             |   |          |
|------|--|-----------------|----------------------|---------|--------|---|------------|---------------------|--------------------------------------|------------------------------------|---------------------------|--------------------------------|-------------------|-------------|---|----------|
| ×    | COUNT                                  | DESCRIPTION     | N OF REVIS           | IONS    | BY     | CHKE                                    | 7          | DATE                | +                                    | COUNT                              | DESCRIPTION               | OF REVISIONS                   | BY                | CHKD        | DA  | TE       |
| 户    |  | <del></del>     |                      |         |        |   | ╀          |                     | $\stackrel{\smile}{\hookrightarrow}$ |                                    |                           |                                | ļ                 |             |   |          |
|      |  | DI E OTAN       | D 4 D D              | <u></u> | L      | <u> </u>                                |            |                     |                                      |                                    |                           |                                | <u> </u>          |             | Ĺ   | •        |
| AP   | PLICA                                  | BLE STAN        | DAKD                 |         |        |   |            |                     | 167                                  | ORAGE                              |                           | r                              |                   |             |   |          |
|      |  | TEMPERATUR      | RE RANGE             |         | -55°   | C TO                                    | <u>8 C</u> | 5°C                 |                                      |                                    | TURE RANGE                | -10°CTO5                       | O°C <sub>(P</sub> | ACKED!      | CONDITI   | ION)     |
| RA   | TING                                   | VOLTAG          | E                    |         |        | 30V                                     | AC         | ;                   | 1 -                                  | <del>er</del> ating (<br>Midity ra | or Storage<br>NGE         | RELATIVE HUMBI                 | my90              | % MAX       | MOTOR   | MED)     |
|      |  | CURREN          | Т                    |         |        | 0.3                                     | RΔ         |                     | AP                                   | PLICABL                            | E CABLE                   |                                |                   |             | 3   |          |
|      | ······································ | OOMA            | •                    |         |        |   |            | PECIFI              | <u>~γ</u> .                          | TION                               | 9                         | t=0.20±0.03mm                  | 1, 11N,1          | IN-COF      | PER PL  | ATING    |
| -    | · . IT                                 | FM ·            | T                    |         | TES    | T ME                                    |            |                     | <u> </u>                             | 11014                              |                           | QUIREMENT                      | -6                |             | Тот   | AT       |
|      |  | ICTION          | .l.,                 |         |        | 1816                                    |            |                     |                                      |                                    | 176                       | COUNTIAITIA                    | <u> </u>          |             | <u> [Gi</u>   | 171      |
|      |  | XAMINATION      | VISUALL              | YAND    | BY M   | IEASL                                   | JRIN       | IG INSTR            | UME                                  | NT.                                | ACCORDING T               | O DRAWING.                     |                   |             | Tx  | ×        |
| MAR  | KING                                   |                 | CONFIR               | MED V   | ISUAL  | LY.                                     |            |                     |                                      | -                                  |                           |                                |                   |             | X   | X        |
| ELE  | CTRIC                                  | CHARAC          | TERISTI              | CS      |        |   |            | <del></del>         |                                      | <u>_</u> <u>_</u> <u></u>          |                           |                                |                   |             | 1^  | 1~       |
| CON  | TACT R                                 | ESISTANCE       | AC 20mV              | MAX.,   | ,1mA.  |   |            |                     |                                      | 1                                  | 100mΩ MAX.                |                                |                   |             | ×   | X        |
|      |  |                 |                      |         |        |   |            |                     |                                      | 1                                  | INCLUDING FPC             | BULK RESISTAN                  | CE                |             |   |          |
|      |  |                 |                      |         |        | ···                                     |            |                     |                                      | (                                  | L=12mm,THICKN             | IESS OF CUPPER                 | FOIL: 3           | 5μm)        |   |          |
|      | JLATION<br>ISTANCI                     |                 | 100V DC.             |         |        |   |            |                     |                                      |                                    | 50 MΩ MIN.                |                                |                   |             | ×   | ×        |
|      | TAGE P                                 |                 | 90V AC F             | OR 1 r  | min.   |   | -,         |                     |                                      | 1                                  | NO FLASHOVE               | R OR BREAKDO                   | WN.               |             | X   | ×        |
|      |  | CAL CHAR        |                      |         |        | • |            |                     |                                      |                                    |                           |                                |                   |             | 1   |          |
| FPC  | RETENS                                 | SION FORCE      | MEASUR<br>(THICKN    |         |        |   |            |                     |                                      |                                    | 0.15N/PIN MAX             |                                | 2010              |             | X   |          |
|      |  |                 | AT INITIA            | L CON   | IDITIC | N.)                                     |            |                     | 11111                                | 1                                  | CONECTOR, P               | PC AT INITIAL (                | JUND              | HON)        |   |          |
| FPC  | INSERT                                 | ON FORCE        | MEASUR<br>(THICKN    |         |        |   |            |                     |                                      |                                    | 0.30N/PIN MIN.            | OC AT INITIAL C                | 2010              | TION        | ×   | _        |
|      |  |                 | AT INITIA            | L CON   | IDITIC | N.)                                     |            |                     |                                      |                                    | CONECTOR, P               | PC AT INITIAL (                | OND               | HON)        |   |          |
|      | HANICA<br>RATION                       | L               | 10 TIMES             | INSE    | RTION  | IS AN                                   | D E        | XTRACTI             | ONS.                                 |                                    |                           | RESISTANCE:10                  |                   |             | ×   | _        |
|      |  |                 |                      |         |        |   |            |                     |                                      | 1                                  | OF PARTS.                 | E, CRACK AND I                 | .UUSi             | ENESS       | '   |          |
| VIBR | ATION                                  |                 | FREQUEI<br>0.75mm,   |         |        |   |            |                     | TUDE                                 | <b>■</b>                           |                           | ICAL DISCONTI                  | NUITY             | OF          | ×   | _        |
|      |  |                 | DIRECTIO             | ONS.    |        |   |            |                     |                                      | G                                  | 1 μs.<br>Ο CONTACT F      | ESISTANCE: 10                  | 0 mΩ              | MAX.        |   |          |
| SHO  | CK                                     |                 | 981m/s²,<br>AT 3 TIM |         |        |   |            |                     |                                      | T C                                |                           | E, CRACK AND L                 | .OOSE             | ENESS       | ×   | -        |
| ENV  | IRONA                                  | MENTAL CI       |                      |         |        |   | JNO        | ·                   |                                      |                                    | OF PARTS.                 |                                |                   |             |   |          |
| DAM  | PHEAT                                  |                 | EXPOSE               | TAC     | 40 °C. |   |            |                     |                                      |                                    |                           | ESISTANCE: 10                  |                   |             | X   |          |
| (SIE | ADY ST                                 | ATE)            | RELATIVE             | HUM     | IDITY  | 90 TC                                   | 95         | %, <del>9</del> 6հ. |                                      |                                    |                           | NRESISTANCE:<br>E, CRACK AND L |                   |             |   |          |
|      |  |                 |                      | **      | **     |   |            |                     |                                      |                                    | OF PARTS.                 | E, CROCK AND L                 | .003              | INESS       |   |          |
| DAM  | P HEAT,                                | CYCLIC          | EXPOSED RELATIVE     |         |        |   |            | %                   |                                      | 1 -                                | _                         | ESISTANCE: 10                  |                   |             | ×   | -        |
|      |  |                 | 10 CYCLE             |         |        |   | , 50       | , u,                |                                      | Ī                                  | (AT HIGH                  | NRESISTANCE:<br>HUMIDITY)      |                   |             |   | I        |
|      |  |                 |                      |         |        |   |            |                     |                                      | G                                  | INSULATION (&<br>(AT DRY) | RESISTANCE:                    | 50 Ms             | 2 MIN.      |   | ı        |
|      |  |                 |                      |         |        |   |            |                     |                                      | @                                  | • ,                       | E, CRACK AND L                 | .oose             | ENESS       | ;   | I        |
|      |  |                 |                      |         |        |   |            |                     |                                      |                                    | OF PARTS.                 |                                |                   |             | <u> </u>  |          |
|      |  |                 |                      |         |        |   |            |                     |                                      |                                    |                           |                                |                   |             |   |          |
|      |  |                 |                      |         |        |   |            |                     |                                      |                                    |                           |                                |                   |             |   |          |
|      |  |                 |                      |         |        |   |            |                     |                                      |                                    |                           |                                |                   |             |   |          |
| REM  | ARKS                                   | ***             |                      |         |        |   |            |                     | DI                                   | RAWN                               | DESIGNED                  | CHECKED                        | APPRO             | WED         | RELEA   | SED      |
|      |  |                 |                      |         |        |   |            |                     |                                      | ~ <i>!</i>                         | 4                         |                                | 1                 | 1.4         | ر را محمد<br>المحمد<br>المحمد المحمد | 1        |
|      |  |                 |                      |         |        |   |            |                     | X                                    | CAM H. Y                           | J. Mura                   | K. Talemon                     | n de              | hoda        |   |          |
| Jnle | ss othe                                | rwise spec      | fied, refe           | er to J | IS C   | 5402                                    | 2.         |                     | 0.                                   | 0404                               | 02.04,04                  | R. Talemon)                    | 2 04              | 04          |   |          |
|      |  | lification Test | <del></del>          |         |        |   |            | able Test           |                                      |                                    |                           | 1104,04.041.                   | · · ·             |             |   | $\dashv$ |
| H    | <b>15</b>                              | IROSE ELE       | י אופדי              | ים יי   | רח     | SPI                                     | EC         | IFICA               | TIO                                  | N SH                               | FFT PARTI                 |                                |                   |             |   |          |
| ODE  | NO.(OLD)                               |                 |                      | AWING   |        |   |            |                     |                                      |                                    | E NO.                     | H23 – 398                      | <u>s – (</u>      | <u>J.3S</u> | HW  | _        |
| CL   | •                                      |                 |                      |         |        | 4 _                                     | 15         | 3577                |                                      |                                    |                           | 86 – 1306                      | _ 3               |             | ]   | /31      |

TO NC

|                                      | SPECIFICATION   | IS   |    |             |
|--------------------------------------|---|--|----|-------------|
| ITEM                                 | TEST METHOD   | REQUIREMENTS   | QT | AT          |
| RAPID CHANGE OF<br>TEMPERATURE       | TEMPERATURE-55→+15T0+35→+85→+15T0+35*C<br>TIME 30→ 2~3 → 30→ 2~3 min.<br>UNDER 5 CYCLES.                                | <ol> <li>CONTACT RESISTANCE: 100 mΩ MAX.</li> <li>INSULATION RESISTANCE: 50 MΩ MIN.</li> <li>NO DAMAGE, CRACK AND LOOSENESS OF PARTS.</li> </ol> | ×  | <del></del> |
| DRY HEAT<br>COLD                     | EXPOSED AT 85 °C, 96 h.  EXPOSED AT -55°C, 96 h.  | <ul> <li>① CONTACT RESISTANCE: 100 mΩ MAX.</li> <li>② NO DAMAGE, CRACK AND LOOSENESS<br/>OF PARTS.</li> </ul>                                    | ×  | -<br>-      |
|                                      | EXPOSED AT 35℃, 5% SALT WATER SPRAY<br>FOR 96h.   | ① CONTACT RESISTANCE: 100 mΩ MAX.  | ×  | -           |
| HYDROGEN SULPHIDE<br>'- [JIS C 0092] | EXPOSED AT 40°C, RELATIVE HUMIDITY 80%, 10 ~ .15 PPM FOR 96h.   | ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.   | ×  | 1           |
|                                      | EXPOSED AT 40 °C , RELATIVE HUMIDITY 80%,<br>25 PPM FOR 96 h.   | 3 NO EVIDENCE OF CORROSION WHICH AFFECTS TO OPERATION OF CONNECTOR.  | ×  | _           |
| RESISTANCE TO<br>SOLDERING HEAT      | 1) REFLOW SOLDERING: PEAK TMP. 250°C MAX. REFLOW TMP. 230°C MIN FOR 60 sec. 2) SOLDERING IRONS: TMP. 350±5°C FOR 5 sec. | NO DEFORMATION OF CASE OF<br>EXCESSIVE LOOSENESS OF THE<br>TERMINALS.  | ×  | -           |
| SOLDERABILITY                        | SOLDERED AT SOLDER TEMPERATURE, 235°C<br>FOR IMMERSION DURATION, 2 sec.   | A NEW UNIFORM COATING OF SOLDER<br>SHALL COVER A MINIMUM OF 95 % OF<br>THE SURFACE BEING IMMERSED.   | ×  | _           |

| REMARKS  | DRAWN                  | DESIGNED             | CHECKED                 | APPROVED             | RELEASED |
|--|------------------------|----------------------|-------------------------|----------------------|----------|
| Unless otherwise specified, refer to JIS C 5402.             | S. Odamus,<br>03.04.04 | 7. Mursa<br>02.04.04 | R. Takeyon<br>102.04.64 | m Schide<br>02.04.04 |          |
| Note QT:Qualification Test AT:Assurance Test ×:Applicable Te |                        | •                    |                         |                      |          |
| ine  |                        | PART I               | 10.                     |                      |          |

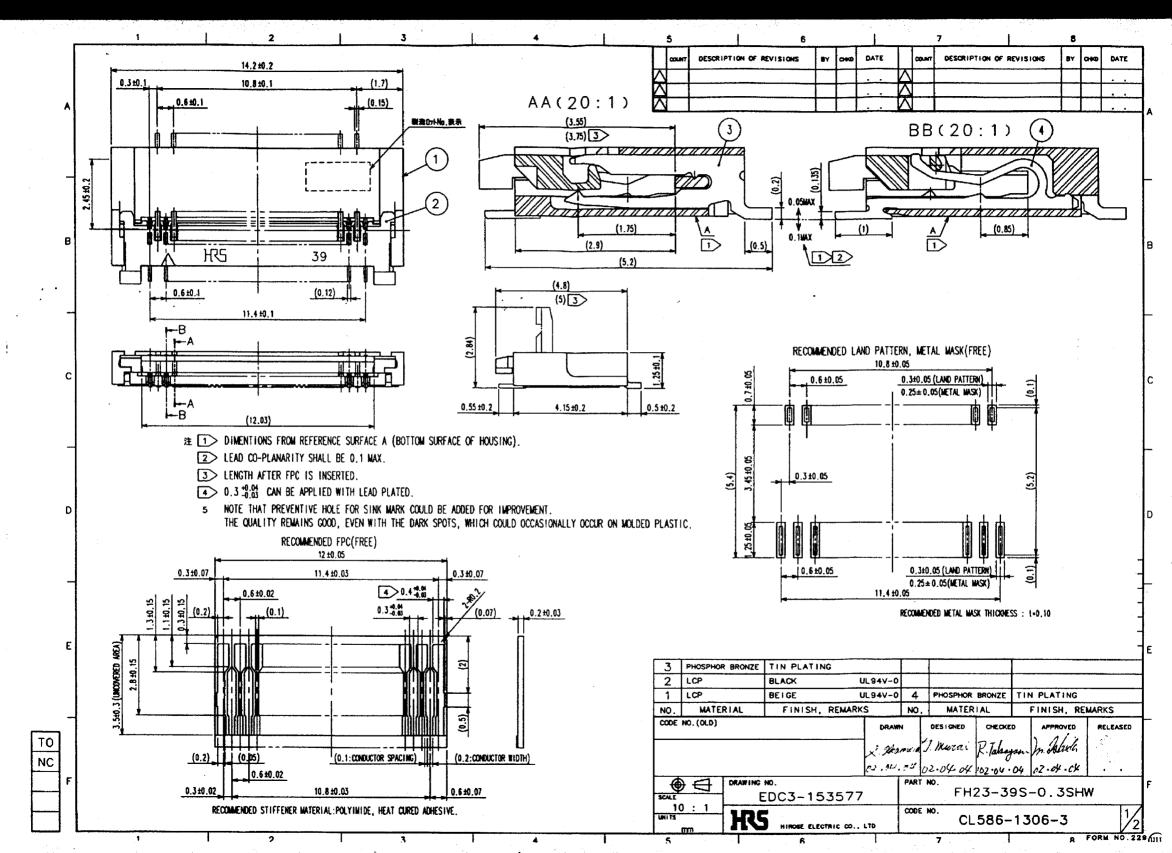
Note QT:Qualification Test AT:Assurance Test X:Applicable Test

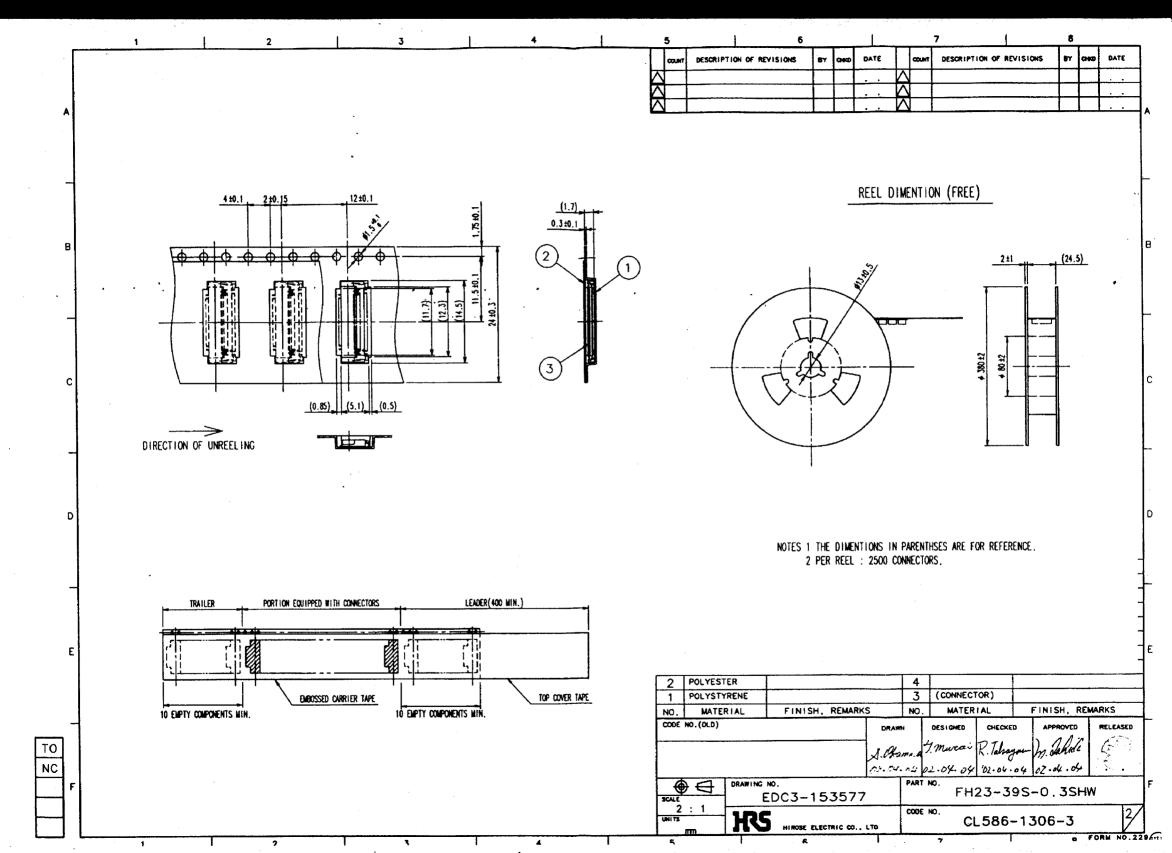
HROSE ELECTRIC CO., LTD.

SPECIFICATION SHEET PART NO.
FH23 - 39S - 0.3SHW

CODE NO.(OLD)
CL ELC4 - 153577

CL 586 - 1306 - 3





#### 村 料 証 明 書 (CERTIFICATE FOR MATERIAL OF PLASTIC PART)

発行日 年 (DATE)

月

日

|             |                       | 御 | 中 |
|-------------|-----------------------|---|---|
| (TO:)       |                       |   |   |
|             |                       |   |   |
| - 品名コード     | 586                   |   |   |
| (CODE NO.)  |                       |   |   |
|             |                       |   |   |
| 製品名         | FH23- * S-0.3SHW (05) |   |   |
| (MODEL NO.) |                       |   |   |

上記の製品には、下記の材料が使用されていることを証明いたします。 (WE HEREBY CERTIFY THAT THE FOLLOWING MATERIAL IS USED FOR THE ABOVE PART.)

この製品への粉砕材(Regrind Material)使用量は、UL746の規定通り、質量比25%以下である。(Quantity of the use of regrind material to this product Is less than 25% of the weight percentage as Regulated In UL746.)

|         | 部 品 名      | 材料(MATI      | ERIAL)   | 材料メーカー              | 難燃性/ファイル番号  |
|---------|------------|--------------|----------|---------------------|-------------|
| No.     |            | 材質名          | 型名       |                     | FLAME CLASS |
|         | PART NAME  | GENERIC NAME | CAT. NO. | MANUFACTURER        | FILE NO.    |
|         | 絶縁ケース      | LCP樹脂        | 2140GM   | 上野製薬株式会社            | V-0         |
| 1       | INSERT     | LCP          |          | UENO FINE CHEMICALS | E122152     |
|         |            |              |          | INDUSTRY LTD        |             |
|         | 可動片        | LCP樹脂        | E6008    | 住友化学工業株式会社          | V-0         |
| 2       | LOCK LEVER | LCP          |          | SUMITOMO CHEMICAL   | E54705      |
| ļ       |            |              |          | CO LTD              |             |
|         |            |              |          |                     |             |
|         |            |              |          |                     |             |
|         |            |              |          |                     |             |
|         |            | •            |          |                     |             |
|         |            |              |          |                     |             |
|         |            |              |          |                     |             |
|         |            |              |          |                     |             |
|         |            |              |          |                     |             |
|         |            |              |          |                     |             |
| <u></u> | <u> </u>   |              |          |                     | L           |

東北ヒロセ電機株式会社 TOHOKU HIROSE ELECTRIC CO., LTD.

品質管理課課長石野和明 KAZUAKI ISHINO, MANAGER QUALITY CONTROL SEC.





QMFZ2 Component - Plastics

Friday, October 24, 2003

E122152

#### **UENO FINE CHEMICALS INDUSTRY LTD**

1-127 HIGASHIARIOKA ITAMI-SHI HYOGO-KEN 664-0845 JAPAN

Material Designation: 2140GM(f)(r)

Product Description: Liquid Crystal Polymer (LCP), furnished as pellets.

| Color       | Min. Thick. (mm)   | Flame<br>Class                   | HWI      | HAI   | RTI<br>Elec | RTI<br>Imp | RTI<br>Str | IEC GWIT   | IEC GWFI |
|-------------|--|----------------------------------|----------|-------|-------------|------------|------------|--|----------|
| NC, BK      | 0.75   | V-0                              | -        | -     | 130         | 130        | 130        | -  | •        |
| NC, BK      | 1.5  | V-0                              | -        | -     | 130         | 130        | 130        | -  | -        |
| NC, BK      | 3.0  | V-0                              | -        | -     | 130         | 130        | 130        | -  | -        |
|             | CTI: -   | HVTR:                            | •        |       | D495        | : -        |            | IEC Ball Pressure (°C)   | ): -     |
| ISO Tensile | rength (kV/mm): -<br>Strength (MPa): -<br>Impact (kJ/m <sup>2</sup> ): - | Volume i<br>ISO Flex<br>ISO Izod | ural Stı | ength | (MPa):      | •          |            | Dimensional Stability<br>ISO Heat Deflection (<br>ISO Charpy Impact (k | °C): -   |

(f) May be suffixed by one, two, or three letters except F

(r) Virgin and regrind material up to 50% by weight has the same V-0 rating. No other properties for regrind between

25% - 50% have been evaluated.

Report Date: 11/6/1998

Underwriters Laboratories Inc®

UL94 small-scale test data does not pertain to building materials, furnishings and related contents. UL 94 small-scale test data is intended solely for determining the flammability of plastic materials used in components and parts of end-product devices and appliances, where the acceptability of the combination is determined by ULI.



QMFZ2 Component - Plastics

Friday, October 24, 2003

E54705

SUMITOMO CHEMICAL CO LTD

5-33 KITAHAWA 4-CHOME CHUO-KU OSAKA 541-8550 JAPAN

Material Designation: E6008

Product Description: Liquid Crystal Polymer (LCP), designated "SUMIKASUPER" furnished as pellets.

| Color      | Min. Thick. (mm)  | Flame<br>Class                   | HWI      | HAI   | RTI<br>Elec | RTI<br>Imp | RTI<br>Str | IEC GWIT   | IEC GWFI |
|------------|---|----------------------------------|----------|-------|-------------|------------|------------|--|----------|
| ALL        | 0.54  | V-0                              | •        | -     | 130         | 130        | 130        | -  | -        |
|            | 0.75  | V-0                              | -        | -     | 220         | 180        | 220        | -  | -        |
|            | 1.5   | V-0                              | 2        | 4     | 220         | 200        | 240        | -  | -        |
|            | 3.0   | V-0                              | 1        | 4     | 220         | 200        | 240        | -  | •        |
|            | <b>CTI:</b> 3   | HVTR:                            | 0        |       | D495        | : 5        |            | IEC Ball Pressure (°C): -  |          |
| ISO Tensil | Strength (kV/mm): -<br>e Strength (MPa): -<br>e Impact (kJ/m²): - | Volume I<br>ISO Flex<br>ISO Izod | ural Sti | ength | (MPa):      | -          |            | Dimensional Stability(%) ISO Heat Deflection (°C): ISO Charpy Impact (kl/m | . ~      |

Report Date: 10/31/1990

Underwriters Laboratories Inc®

UL94 small-scale test data does not pertain to building materials, furnishings and related contents. UL 94 small-scale test data is intended solely for determining the flammability of plastic materials used in components and parts of end-product devices and appliances, where the acceptability of the combination is determined by ULI.



HIROSE ELECTRIC CO., LTD.

Report No. : CE/2006/51366

5-23, OSAKI 5-CHOME, SHINAGAWA-KU, TOKYO 141-

: 2006/05/11

8587, JAPAN

Page : 1 of 5

Date

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

Type of Product

CONNECTOR

Style/Item No

: FH23-\*S-0.3SH(A)W(05)

Sample Received

: 2006/05/04

Testing Date

: 2006/05/04 TO 2006/05/11

Test Result : - Please see the next page -

Deniel Yeh, M.R. / Operation Manager Signed for and on behalf of

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HIROSE ELECTRIC CO., LTD.

Report No. : CE/2006/51366

5-23, OSAKI 5-CHOME, SHINAGAWA-KU, TOKYO 141-

Date : 2006/05/11

8587, JAPAN

Page : 2 of 5

#### **Test Result**

PART NAME NO.1

BEIGE PLASTIC

PART NAME NO.2

: BALCK PLASTIC

PART NAME NO.3

GOLDEN COLORED METAL TERMINAL

|  |      |   |        | _            | Result |      |
|--|------|---|--------|--------------|--------|------|
| Test Item (s):   | Unit | Method  | MDL    | No.1         | No.2   | No.3 |
| Monobromobiphenyl  | %    |   | 0.0005 | N.D.         | N.D.   |      |
| Dibromobiphenyl  | %    |   | 0.0005 | N.D.         | N.D.   |      |
| Tribromobiphenyl   | %    |   | 0.0005 | N.D.         | N.D.   |      |
| Tetrabromobiphenyl   | %    | With reference to                               | 0.0005 | N.D.         | N.D.   |      |
| Pentabromobiphenyl   | %    | USEPA3540C or                                   | 0.0005 | N.D.         | N.D.   |      |
| Hexabromobiphenyl  | %    | USEPA3550C. Analysis was performed by HPLC/DAD, | 0.0005 | N.D.         | N.D.   |      |
| Heptabromobiphenyl   | %    | LC/MS or GC/MS.                                 | 0.0005 | N.D.         | N.D.   |      |
| Octabromobiphenyl  | %    | (prohibited by 2002/95/EC                       | 0.0005 | <b>N</b> .D. | N.D.   |      |
| Nonabromobiphenyl  | %    | (RoHS), 83/264/EEC, and                         | 0.0005 | N.D.         | N.D.   |      |
| Decabromobiphenyl  | %    | 76/769/EEC)                                     | 0.0005 | N.D.         | N.D.   |      |
| Total PBBs   | %    | 1   | -      | N.D.         | N.D.   |      |
| (Polybrominated<br>biphenyls)/Sum of above                       |      |   |        |              |        |      |
| Monobromobiphenyl ether  | %    |   | 0.0005 | <b>N</b> .D. | N.D.   |      |
| Dibromobiphenyl ether  | %    |   | 0.0005 | N.D.         | N.D.   |      |
| Tribromobiphenyl ether   | %    |   | 0.0005 | N.D.         | N.D.   |      |
| Tetrabromobiphenyl ether   | %    |   | 0.0005 | <b>N</b> .D. | N.D.   |      |
| Pentabromobiphenyl ether   | %    | With reference to                               | 0.0005 | <b>N</b> .D. | N.D.   |      |
| Hexabromobiphenyl ether  | %    | USEPA3540C or                                   | 0.0005 | N.D.         | N.D.   |      |
| Heptabromobiphenyl ether   | %    | USEPA3550C. Analysis was                        | 0.0005 | N.D.         | N.D.   |      |
| Octabromobiphenyl ether  | %    | performed by HPLC/DAD,                          | 0.0005 | N.D.         | N.D.   |      |
| Nonabromobiphenyl ether  | %    | LC/MS or GC/MS.<br>(prohibited by 2002/95/EC    | 0.0005 | N.D.         | N.D.   |      |
| Decabromobiphenyl ether  | %    | (RoHS), 83/264/EEC, and                         | 0.0005 | N.D.         | N.D.   |      |
| Total PBBEs(PBDEs) (Polybrominated biphenyl ethers)/Sum of above | %    | 76/769/EEC)                                     | -      | N.D.         | N.D.   |      |
| Total of Mono to Nona-<br>brominated biphenyl<br>ether. (Note 4) | %    |   | -      | N.D.         | N.D.   |      |

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Report No. : CE/2006/51366

5-23, OSAKI 5-CHOME, SHINAGAWA-KU, TOKYO 141-

: 2006/05/11

8587, JAPAN

Page :3 of 5

Date

|                    | ŀ    |  |     | Result       |      |      |  |  |
|--------------------|------|--|-----|--------------|------|------|--|--|
| Test Item (s):     | Unit | Method   | MDL | No.1         | No.2 | No.3 |  |  |
| Chromium VI (Cr+6) | ppm  | UV-VIS(US EPA 7196A)<br>after reference to US EPA<br>3060A.                      | 2   | N.D.         | N.D. | N.D. |  |  |
| Cadmium (Cd)       | ppm  | ICP-AES after reference to<br>EN 1122, method B:2001<br>or other acid digestion. | 2   | N.D.         | N.D. | N.D. |  |  |
| Mercury (Hg)       | ppm  | ICP-AES after reference to<br>US EPA 3052 or other acid<br>digestion.            | 2   | <b>N</b> .D. | N.D. | N.D. |  |  |
| Lead (Pb)          | ppm  | ICP-AES after reference to<br>US EPA 3050B or other<br>acid digestion.           | 2   | N.D.         | N.D. | 11.2 |  |  |

- 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
  - (7) " --- " = Not Applicable

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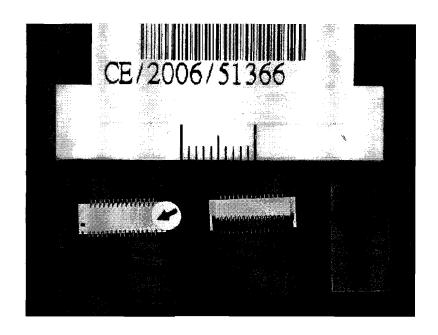
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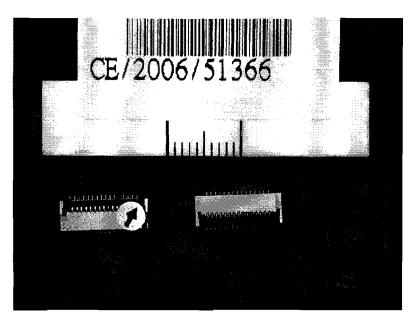
8587, JAPAN

Report No. : CE/2006/51366

Date : 2006/05/11

Page : 4 of 5





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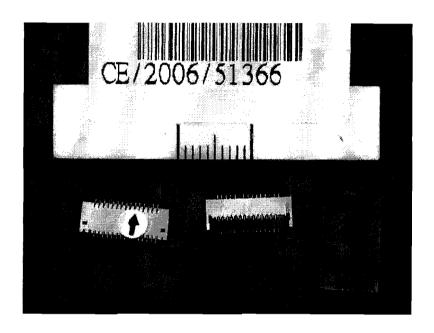
5-23, OSAKI 5-CHOME, SHINAGAWA-KU, TOKYO 141-

8587, JAPAN

Report No. : CE/2006/51366

Date : 2006/05/11

Page : 5 of 5



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