

접 수 번 호 : 14-018720-01  
(Receipt No.)



## 자율안전확인 신고증명서

### Confirmation Letter of Declaration

|                              |                                    |                                  |                 |
|------------------------------|------------------------------------|----------------------------------|-----------------|
| 신 고 번 호<br>(Application No.) | : ZM09001-14001                    | 유효 기 간 만료 일<br>(Validity Period) | : 2019년 05월 22일 |
| 신 고 업 체 명<br>(Applicant)     | : 삼성테크윈(주)                         |                                  |                 |
| 대 표 자 명<br>(President)       | : 김철교                              |                                  |                 |
| 소 재 지<br>(Address)           | : 경상남도 창원시 성산구 성주동 28번지            |                                  |                 |
| 제 품 명<br>(Product)           | : 디스크플레이어<br>(Disk player)         |                                  |                 |
| 기 본 모 델 명<br>(Basic Model)   | : SRD-1676DN                       |                                  |                 |
| 정 격<br>(Rating)              | : AC 100-240 V~, 50/60 Hz, 4-1.5 A |                                  |                 |
| 파 생 모 델 명<br>(Series Model)  | : SRD-1656DN, SRD-876DN            |                                  |                 |
| 적 용 기 준<br>(Standard)        | : K60950-1(2011-12)                |                                  |                 |

본 확인신고는 제 조 국 : 대한민국

제조업체 : 삼성테크윈(주) 의 제품에만 해당함

「전기용품안전 관리법 시행규칙」 제19조제3항에 따라 위의 전기용품에 대하여 안전  
인증서를 발급합니다.

We hereby issue The Confirmation Letter of Declaration Self-Regulatory Safety Co  
nfirmation in accordance with Article 19 Section 3 of the Electrical Appliances Saf

2014년 05월 23일



한국산업기술시험원장  
KOREA TESTING LABORATORY



※ 이 인증서는 「전기용품안전 관리법」에 따른 전기용품 안전성 확인에 한정된 것이며, 그 밖의 다른  
법률이 적용되는 제품의 경우에는 해당 법률에 따라 추가로 인증·허가 등을 받아야 합니다.

첨 부 :  
(Annex)

1. 안전관리부품 및 재질목록 (List of Critical Components)
2. 기본모델 · 파생모델의 내용 (General Descriptions of Certified Products)
3. 전기용품안전인증의 변경 현황 (Status of Certificate Revisions)

□ 첨부 1 : 안전관리부품 및 재질목록  
List of Critical Components

| 부품명(회로기호)<br>Component(Part no.) | 제조사(상표명)<br>Manufacturer(Brand) | 모델명(형식)<br>Model(Type)                                     | 정격 또는 특성<br>Rating or Characteristics | 인증마크<br>Tested by |
|----------------------------------|---------------------------------|------------------------------------------------------------|---------------------------------------|-------------------|
| Power Cord                       | Volex                           | H05VV-F (BA OHING)                                         | 227 IEC 53<br>3X0.75mm <sup>2</sup>   | KC                |
| (Alternate)                      | Volex                           | VCTF                                                       | 227 IEC 53<br>3X0.75mm <sup>2</sup>   | KS                |
| (Alternate)                      | Longwell                        | H05VV-F                                                    | 227 IEC 53<br>3X1.0mm <sup>2</sup>    | KC                |
| (Alternate)                      | Longwell                        | VCTF                                                       | 227 IEC 53<br>3X0.75mm <sup>2</sup>   | KC                |
| (Alternate)                      | I-Sheng                         | H05VV-F                                                    | 227 IEC 53<br>3X1.0mm <sup>2</sup>    | KC                |
| (Alternate)                      | I-Sheng                         | VCTF                                                       | 227 IEC 53<br>3X0.75mm <sup>2</sup>   | KC                |
| (Alternate)                      | Honglin                         | H05VV-F                                                    | 227 IEC 53<br>3X1.0mm <sup>2</sup>    | KC                |
| (Alternate)                      | Honglin                         | H03VV-F                                                    | 227 IEC 53<br>3X0.75mm <sup>2</sup>   | KC                |
| (Alternate)                      | Hong Chang                      | H05VV-F                                                    | 227 IEC 53<br>3X0.75mm <sup>2</sup>   | KC                |
| Power Plug                       | Volex                           | M2511                                                      | AC250V 10A                            | KC                |
| (Alternate)                      | Volex                           | M2511<br>M2511A                                            | AC250V 16A                            | KC                |
| (Alternate)                      | Longwell                        | LP-48                                                      | AC250V 10A                            | KC                |
| (Alternate)                      | Longwell                        | LP-33<br>LP-34A<br>LP-486L<br>LP-486<br>LP486LR<br>LP-486R | AC250V 16A                            | KC                |
| (Alternate)                      | Longwell                        | LP-33<br>LP-34A                                            | AC250V 10A                            | KC                |
| (Alternate)                      | I-Sheng                         | SP-022<br>SP-023                                           | AC250V 16A                            | KC                |
| (Alternate)                      | I-Sheng                         | SP-022<br>SP-023                                           | AC250V 10A                            | KC                |

| 부품명(회로기호)<br>Component(Part no.) | 제조사(상표명)<br>Manufacturer(Brand)       | 모델명(형식)<br>Model(Type)                                           | 정격 또는 특성<br>Rating or Characteristics  | 인증마크<br>Tested by      |
|----------------------------------|---------------------------------------|------------------------------------------------------------------|----------------------------------------|------------------------|
| (Alternate)                      | Honglin                               | HL-013<br>HL-014                                                 | AC250V 10A                             | KC                     |
| (Alternate)                      | Honglin                               | HL-013<br>HL-014                                                 | AC250V 16A                             | KC                     |
| (Alternate)                      | hongchang                             | DT III-2P-05                                                     | AC250V 16A                             | KC                     |
| Appliances<br>Coupler            | Volex                                 | V1625                                                            | AC250V 10A                             | KC                     |
| (Alternate)                      | Volex                                 | APC13F<br>APC13<br>VSCC13<br>V1625A<br>V1625<br>VAC13A<br>VAC13S | AC250V 10A                             | KC                     |
| (Alternate)                      | Longwell                              | LS-80<br>LS-80L<br>LS-60<br>LS-60L                               | AC250V 10A                             | KC                     |
| (Alternate)                      | I-Sheng                               | IS-14<br>IS-15<br>IS-010<br>IS-17                                | AC250V 10A                             | KC                     |
| (Alternate)                      | I-Sheng                               | IS-16                                                            | AC250V 10A                             | KC                     |
| (Alternate)                      | Honglin                               | HL-026<br>HL-029                                                 | AC250V 10A                             | KC                     |
| (Alternate)                      | hongchang                             | DT II-3P-04(wit<br>h cord CVTF 3X<br>1.25mm2)                    | AC250V 10A                             | KC                     |
| Front enclosure                  | Cheil Industries Inc<br>Chemicals Div | TH-1100(+)                                                       | V-0, 80 ℃,<br>Min. 2.3 mm<br>thickness | UL                     |
| Top Enclosure                    | Interchangeable                       | Interchangeable                                                  | Metal,<br>Min. 0.6 mm<br>thickness     | Tested in<br>equipment |

| 부품명(회로기호)<br>Component(Part no.)                       | 제조사(상표명)<br>Manufacturer(Brand)                   | 모델명(형식)<br>Model(Type) | 정격 또는 특성<br>Rating or Characteristics                  | 인증마크<br>Tested by      |
|--------------------------------------------------------|---------------------------------------------------|------------------------|--------------------------------------------------------|------------------------|
| Bottom Enclosure                                       | Interchangeable                                   | Interchangeable        | Metal,<br>Min. 0.81 mm<br>thickness                    | Tested in<br>equipment |
| PCB                                                    | Interchangeable                                   | Interchangeable        | Min. V-1 or better,<br>Min. 105 °C<br>1.6 mm thickness | UL                     |
| Switching Power Supply (FSP Group Inc., FSP150-50FGNC) |                                                   |                        |                                                        |                        |
| Metal enclosure                                        | Interchangeable                                   | Interchangeable        | 0.6 mm thick min.                                      | --                     |
| Appliance Inlet                                        | Rong Feng<br>Industrial Co Ltd                    | SS-7B                  | 10A, 250Vac,<br>70 °C                                  |                        |
| (Alternate)                                            | Inalways Corp.                                    | 0707-1                 | 10A, 250Vac,<br>70 °C                                  |                        |
| (Alternate)                                            | Rich bay<br>Company Ltd.                          | R-301                  | 10A, 250Vac,<br>70 °C                                  |                        |
| (Alternate)                                            | Canal Electronic<br>Co Ltd                        | KS-201                 | 10A, 250Vac,<br>70 °C                                  | VDE                    |
| (Alternate)                                            | Solteam<br>Electronics Co Ltd                     | ST-01                  | 10A, 250Vac,<br>70 °C                                  | VDE                    |
| Y-Cap.<br>(CY5, CY6)<br>(Y1 or Y2 Type)<br>(Optional)  | Murata Mfg Co<br>Ltd                              | KX, KH, KY             | 1000pF max.<br>250V min.,<br>85 °C min.                | VDE                    |
| (Alternate)                                            | Success<br>Electronics Co<br>Ltd                  | SB, SE, SF             | 1000pF max.<br>250V min.,<br>85 °C min.                | VDE                    |
| (Alternate)                                            | TDK-EPC Corp                                      | CD, CS                 | 1000pF max.<br>250V min.,<br>85 °C min.                | VDE                    |
| (Alternate)                                            | Walsin<br>Technology<br>Corp                      | AH, AC                 | 1000pF max.<br>250V min.,<br>85 °C min.                | VDE                    |
| X-Cap.<br>(CX4)<br>(Optional)                          | Arcotronics or<br>Kemet Electronics<br>Italia SRL | R.46                   | 0.082uF max,<br>250V min,<br>85 °C min.                | ENEC 03                |
| (Alternate)                                            | Carli Electronics<br>Co., LTd.                    | MPX                    | 0.082uF max,<br>250V min,<br>85 °C min.                | VDE                    |
| (Alternate)                                            | Chiefcon<br>Electronics Co Ltd                    | CKX                    | 0.082uF max,<br>250V min,<br>85 °C min.                | VDE                    |

| 부품명(회로기호)<br>Component(Part no.) | 제조사(상표명)<br>Manufacturer(Brand)                      | 모델명(형식)<br>Model(Type)          | 정격 또는 특성<br>Rating or Characteristics  | 인증마크<br>Tested by |
|----------------------------------|------------------------------------------------------|---------------------------------|----------------------------------------|-------------------|
| (Alternate)                      | Hua Jung components Co., Ltd.                        | MKP                             | 0.082uF max,<br>250V min,<br>85 C min. | ENEC 14           |
| (Alternate)                      | Iskra Sistemi, D D                                   | KNB1560,<br>KNB1563,<br>KNB1562 | 0.082uF max,<br>250V min,<br>85 C min. | VDE               |
| (Alternate)                      | Iskra Sistemi, D D                                   | KNB1530                         | 0.082uF max,<br>250V min,<br>85 C min. | VDE               |
| (Alternate)                      | Okaya Electric Industries Co Ltd                     | RE-Series                       | 0.082uF max,<br>250V min,<br>85 C min. | VDE               |
| (Alternate)                      | Okaya Electric Industries Co Ltd                     | LE(-*)                          | 0.082uF max,<br>250V min,<br>85 C min. | ENEC 14           |
| (Alternate)                      | Pilkor Electronics Ltd.                              | PCX2 337                        | 0.082uF max,<br>250V min,<br>85 C min. | ENEC 14           |
| (Alternate)                      | Ultra Tech Xiphi Enterprise Co Ltd                   | HQX                             | 0.082uF max,<br>250V min,<br>85 C min. | VDE               |
| (Alternate)                      | ZhuHai Sung Ho Electronics Co., Ltd.                 | CMPP                            | 0.082uF max,<br>250V min,<br>85 C min. | VDE               |
| Fuse<br>(F1)                     | Ever Island Electric Co Ltd & Walter Electric Co Ltd | 2010-serie(s)                   | T3.15AL, 250V                          | TUV               |
| (Alternate)                      | Littelfuse Wickmann Werke                            | 392                             | T3.15AL, 250V                          | VDE               |
| (Alternate)                      | Littelfuse Phils Inc.                                | TE5 400                         | T3.15AL, 250V                          | VDE               |
| (Alternate)                      | Save Fusetech Inc                                    | SS-5                            | T3.15AL, 250V                          | VDE               |
| (Alternate)                      | Conquer Electronics Co Ltd                           | MST                             | T3.15AL, 250V                          | VDE               |
| (Alternate)                      | Walter Electronic Co., Ltd.                          | TSC                             | T3.15AH, 250V                          | VDE               |
| (Alternate)                      | Suzhou Littelfuse OVS Ltd.                           | 215                             | T3.15AH, 250V                          | VDE               |
| (Alternate)                      | Conquer Electronics Co., Ltd.                        | UDA-A                           | T3.15AH, 250V                          | VDE               |
| X-Cap.<br>(CX1)<br>(Optional)    | Arcotronics or Kemet Electronics Italia SRL          | R.46                            | 0.47uF,<br>250V min,<br>85 C min.      | ENEC 03           |

| 부품명(회로기호)<br>Component(Part no.)                      | 제조사(상표명)<br>Manufacturer(Brand)       | 모델명(형식)<br>Model(Type)                   | 정격 또는 특성<br>Rating or Characteristics  | 인증마크<br>Tested by |
|-------------------------------------------------------|---------------------------------------|------------------------------------------|----------------------------------------|-------------------|
| (Alternate)                                           | Carli Electronics Co., Ltd.           | MPX                                      | 0.47uF,<br>250V min,<br>85 C min.      | VDE               |
| (Alternate)                                           | Chiefcon Electronics Co Ltd           | CKX                                      | 0.47uF,<br>250V min,<br>85 C min.      | VDE               |
| (Alternate)                                           | Hua Jung components Co., Ltd.         | MKP                                      | 0.47uF,<br>250V min,<br>85 C min.      | ENEC 14           |
| (Alternate)                                           | Iskra Sistemi, D D                    | KNB1560,<br>KNB1563,<br>KNB1562          | 0.47uF,<br>250V min,<br>85 C min.      | VDE               |
| (Alternate)                                           | Iskra Sistemi, D D                    | KNB1530                                  | 0.47uF,<br>250V min,<br>85 C min.      | VDE               |
| (Alternate)                                           | Okaya Electric Industries Co Ltd      | RE-Series                                | 0.47uF,<br>250V min,<br>85 C min.      | VDE               |
| (Alternate)                                           | Pilkor Electronics Ltd.               | PCX2 337                                 | 0.47uF,<br>250V min,<br>85 C min.      | ENEC 14           |
| (Alternate)                                           | Ultra Tech Xiphi Enterprise Co Ltd    | HQX                                      | 0.47uF,<br>250V min,<br>85 C min.      | VDE               |
| (Alternate)                                           | ZhuHai Sung Ho Electronics Co., Ltd.  | CMPP                                     | 0.47uF,<br>250V min,<br>85 C min.      | VDE               |
| Bleeding Resistor<br>(RX1, RX2)                       | Interchangeable                       | Interchangeable                          | 820kΩ ,<br>1/4W min.                   | --                |
| Y-Cap.<br>(CY1, CY2)<br>(Y1 or Y2 Type)<br>(Optional) | Murata Mfg Co Ltd                     | KX, KH, KY                               | 2200pF max.<br>250V min.,<br>85 C min. | VDE               |
| (Alternate)                                           | Success Electronics Co Ltd            | SB, SE, SF                               | 2200pF max.<br>250V min.,<br>85 C min. | VDE               |
| (Alternate)                                           | TDK-EPC Corp                          | CD, CS                                   | 2200pF max.<br>250V min.,<br>85 C min. | VDE               |
| (Alternate)                                           | Walsin Technology Corp                | AH, AC                                   | 2200pF max.<br>250V min.,<br>85 C min. | VDE               |
| Varistor<br>(RV1) (Optional)                          | Thinking Electronic Industrial Co Ltd | TVR10471-D,<br>TVR10471-V,<br>TVR14471-D | 300Vac, 385Vdc                         | VDE               |

| 부품명(회로기호)<br>Component(Part no.)              | 제조사(상표명)<br>Manufacturer(Brand)       | 모델명(형식)<br>Model(Type)                  | 정격 또는 특성<br>Rating or Characteristics                                      | 인증마크<br>Tested by |
|-----------------------------------------------|---------------------------------------|-----------------------------------------|----------------------------------------------------------------------------|-------------------|
| (Alternate)                                   | Thinking Electronic Industrial Co Ltd | TVR10561,<br>TVR10561-D,<br>TVR10561-V, | 350Vac, 450Vdc                                                             | VDE               |
| (Alternate)                                   | Thinking Electronic Industrial Co Ltd | TVR10621,<br>TVR10621-D,<br>TVR10621-V  | 395Vac, 510Vdc                                                             | VDE               |
| (Alternate)                                   | Thinking Electronic Industrial Co Ltd | TVR10681,<br>TVR10681-D,<br>TVR10681-V  | 420Vac, 560Vdc                                                             | VDE               |
| (Alternate)                                   | Thinking Electronic Industrial Co Ltd | TVR10751,<br>TVR10751-D,<br>TVR10751-V  | 465Vac, 615Vdc                                                             | VDE               |
| Bridging-Capacitor (CY8) (Y1 type) (optional) | Murata Mfg Co Ltd                     | KX                                      | 2200pF max.<br>250V min.,<br>125 C                                         | VDE               |
| (Alternate)                                   | Success Electronics Co Ltd            | SB, SE, SF                              | 2200pF max.<br>250V min.,<br>125 C                                         | VDE               |
| (Alternate)                                   | TDK-EPC Corp                          | CD                                      | 2200pF max.<br>250V min.,<br>125 C                                         | VDE               |
| (Alternate)                                   | Walsin Technology Corp                | AH                                      | 2200pF max.<br>250V min.,<br>125 C                                         | VDE               |
| Optical Isolator (M2, M3, M5)                 | Cosmo Electronics Corp                | K1010                                   | Dti=0.5mm,<br>Int. dcr= thermal cycling test,<br>Ext. dcr=8.0mm,<br>115 C  | VDE, FI, UL       |
| (Alternate)                                   | Everlight Electronics Co., Ltd.       | EL817.                                  | Dti=0.5mm,<br>Int. dcr=6.0mm,<br>Ext. dcr=7.7mm,<br>110 C                  | VDE, Nemko, UL    |
| (Alternate)                                   | Lite-On Technology Corp               | LTV-817                                 | Dti=0.6mm,<br>Int. dcr= thermal cycling test,<br>Ext. dcr=7.63mm,<br>115 C | VDE, FI, UL       |
| (Alternate)                                   | Renesas Electronics Corporation       | PS2561-1,<br>PS2561AL1-1                | Dti=0.4mm,<br>Int. dcr= thermal cycling test,<br>Ext. dcr=7.0mm,<br>100 C  | VDE, FI, UL       |

| 부품명(회로기호)<br>Component(Part no.) | 제조사(상표명)<br>Manufacturer(Brand)                                | 모델명(형식)<br>Model(Type)                                                         | 정격 또는 특성<br>Rating or Characteristics                                        | 인증마크<br>Tested by |
|----------------------------------|----------------------------------------------------------------|--------------------------------------------------------------------------------|------------------------------------------------------------------------------|-------------------|
| (Alternate)                      | Renesas Electronics Corporation                                | PS2561BL1-1,<br>PS2561D-1                                                      | Dti=0.4mm,<br>Int. dcr= thermal<br>cycling test,<br>Ext. dcr=7.0mm,<br>110 C | VDE, FI, UL       |
| (Alternate)                      | Renesas Electronics Corporation                                | PS2561DL1-1                                                                    | Dti=0.4mm,<br>Int. dcr= thermal<br>cycling test,<br>Ext. dcr=8.0mm,<br>110 C | VDE, FI, UL       |
| (Alternate)                      | Sharp Corp<br>Electronic<br>Components<br>And Devices<br>Group | PC123                                                                          | Dti=0.4mm,<br>Int. dcr= thermal<br>cycling test,<br>Ext. dcr=8.0mm,<br>110 C | VDE, Semko,<br>UL |
| (Alternate)                      | Vishay<br>Semiconductor<br>GmbH                                | SFH617A                                                                        | Dti=0.6mm,<br>Int. dcr= thermal<br>cycling test,<br>Ext. dcr=7.8mm,<br>115 C | VDE, FI, UL       |
| (Alternate)                      | Vishay<br>Semiconductor<br>GmbH                                | TCET1109,<br>TCET1103G,<br>TCET1104G,<br>TCET1108G,<br>TCET1109G,<br>TCET1114G | Dti=0.5mm,<br>Int. dcr=6.0mm,<br>Ext. dcr=7.7mm,<br>110 C                    | VDE, FI, UL       |
| Transformer<br>(T1)              | FSP/SPI                                                        | 8TD00794                                                                       | Class B                                                                      | --                |
| Transformer<br>(T2)              | FSP/SPI                                                        | FSP/SPI                                                                        | Class B                                                                      | --                |
| PCB                              | Interchangeable                                                | Interchangeable                                                                | V-1 min.,<br>105°C min.                                                      | UL                |

☐ 유의사항 (Attention) :

1. 안전관리부품은 전기적인 안전에 직접적인 영향을 주는 부품으로서 안전인증기관이 정기공장검사 시 확인 관리 하는 사항입니다. 따라서 상기목록에 기재된 사항을 변경하거나 또는 복수등재를 원하시는 경우는 안전인증기관에 인증변경신청을 하여야 합니다.

*As the "Critical components" are parts in directly related with safety, these components shall be checked during a factory inspection by the certification body. In case of applying multiful listing or changing the items above, the certification revision shall be applied.*

2. 인증변경신청 없이 임의로 변경하는 경우는, 전기용품안전관리법 제 8 조제 1 항의 규정에 의한 안전인증취소 사유가 됨을 유의하시기 바랍니다.

*The Safety Certification will be cancelled under the Safety Control Law for Electrical Appliances, Paragraph 1 of Article 8 if the contents of the Certification is altered without our authorization.*

☐ 첨부 2 : 기본모델 · 파생모델의 내용  
General description of Certified Products

| 파생모델명<br>Derivative model                                                                                                                                                                                                                                                                                                                                                                   | 기본모델과의 차이점<br>Differences between the basic and derivative model(s)                           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| SRD-1656DN                                                                                                                                                                                                                                                                                                                                                                                  | Identical to basic model SRD-1676DN except for model designation                              |
| SRD-876DN                                                                                                                                                                                                                                                                                                                                                                                   | Identical to basic model SRD-1676DN except for model designation and camera input (8 channel) |
| 제품특기사항 및 시험조건<br>Remarks & Test conditions                                                                                                                                                                                                                                                                                                                                                  |                                                                                               |
| <p>1. Test Report Ref. No. : 14-018720-01 (2014.05.22.)</p> <p>2. Product Description</p> <ul style="list-style-type: none"> <li>- Measured power consumption: 61.5 W</li> <li>- Class of equipment: Class I</li> <li>- Protection against ingress of water: IPX0</li> <li>- Mass of equipment: Approx. 7.8 kg</li> </ul>                                                                   |                                                                                               |
| <p><input type="checkbox"/> 본 제품의 시험내용에 관하여 문의하실 사항이 있으시면 아래 연락처로 문의하시기 바랍니다.<br/>시험담당자 : 전기전자본부 전자정보평가센터 문상현 / (02)860-1432</p> <p><input type="checkbox"/> If you have any question on product testing, please contact the person below :<br/>Job holder : Electrical and Electronic Division &amp; Electronics &amp; IT Appliances Testing Center,<br/>SANGHEON MOON /+82 2 8601-432</p> |                                                                                               |

FP511-09-00

☐ 첨부 3 : 전기용품안전인증의 변경 현황  
Status of Certificate Revisions

| 변경발급 내용<br>Contents of Certificate Revisions |
|----------------------------------------------|
| Not applicable                               |

FP511-11-00

☐ 별첨 : 제품사진  
Photographs



