

**IN THE UNITED STATES DISTRICT COURT
FOR THE EASTERN DISTRICT OF TEXAS
MARSHALL DIVISION**

BISHOP DISPLAY TECH LLC
Plaintiff,

v.

SAMSUNG ELECTRONICS CO., LTD.;
SAMSUNG ELECTRONICS AMERICA,
INC.; and SAMSUNG DISPLAY CO., LTD.,
A KOREAN COMPANY
Defendant.

Civil Action No. 2:21-cv-00139

Jury Trial Requested

**PLAINTIFF'S DISCLOSURE OF
ASSERTED CLAIMS AND INFRINGEMENT CONTENTIONS**

Pursuant to P.R. 3-1 and 3-2, Plaintiff Bishop Display Tech LLC (“Plaintiff” or “Bishop Display”) submits its disclosure of asserted claims and infringement contentions to Defendants Samsung Display Co., Ltd. (“SDC”), Samsung Electronics Co., Ltd. (“SEC”), and Samsung Electronics America, Inc. (“SEA”) (collectively, “Defendants” or “Samsung”).

The following asserted claims and contentions are based upon Bishop Display’s good faith evaluation of information known to Bishop Display at this time based on publicly available information and documents, including reverse-engineering of select products. Bishop Display reserves its right to supplement and/or amend these Asserted Claims and Infringement Contentions in view of information and/or documents that may be obtained during discovery, further investigation, the Court’s claim construction ruling, applicable case law and authorities, and/or any other reasons permitted under the Court’s order, the Patent Rules, and the Federal Rules of Civil Procedure. *See Eolas Techs. Inc. v. Amazon.com, Inc.*, No. 6:15-CV-01038, 2016 WL 7666160, at *2 (E.D. Tex. Dec. 5, 2016) (“[G]iven Plaintiff’s assertion that Defendants have

not produced all documents and code reflecting their server architectures, it is unreasonable to expect Plaintiff to draft ICs in great detail . . . [C]ontentions should become more detailed with the conclusion of fact discovery and claim construction.”).

I. P.R. 3-1 Disclosure of Asserted Claims and Infringement Contentions

(a) Each claim of each patent in suit that is allegedly infringed by each opposing party;

By making, using, testing, offering for sale, selling, and/or importing any of the Accused Instrumentalities identified herein, Defendants, either by themselves (individually and/or in concert) and/or via an agent directly and/or indirectly infringe U.S. Patent No. 6,819,377 (the “’377 patent”), U.S. Patent No. 6,822,706 (the “’706 patent”), U.S. Patent No. 7,583,347 (the “’347 patent”), U.S. Patent No. 7,995,047 (the “’047 patent”), U.S. Patent No. 8,093,830 (the “’830 patent”), and U.S. Patent No. 8,016,449 (the “’449 patent”) (collectively, the “patents-in-suit”). Based on information presently available, Plaintiff contends that the Defendants infringe the claims identified in Exhibits H-M, including the following claims of the patents-in-suit:

1. Claim 1 of the ’377 patent;
2. Claim 1 of the ’706 patent;
3. Claim 1 of the ’347 patent;
4. Claim 1 of the ’047 patent;
5. Claim 1 of the ’830 patent; and
6. Claims 1, 2, 3, and 4 of the ’449 patent.

(b) Separately for each asserted claim, each accused apparatus, product, device, process, method, act, or other instrumentality (“Accused Instrumentality”) of each opposing party of which the party is aware. This identification shall be as specific as possible. Each product, device, and apparatus must be identified by name or model number, if known. Each method or process must be identified by name, if known, or by any product, device, or apparatus which, when used, allegedly results in the practice of the claimed method or process;

The Accused Instrumentalities of which Bishop Display is aware are identified below.

Plaintiff reserves the right, in response to discovery or as otherwise permitted, to supplement its identification of Accused Instrumentalities.

1. The '377 Accused Instrumentalities

Based on publicly-available information and reverse-engineering of select products, each of the '377 Accused Instrumentalities include any Samsung LCD structure (excluding OLED) and any of Samsung's TVs, monitors, or laptops comprising a Samsung or third party LCD structure identified that are in Appendix 1, and all other reasonably similar products. Each of the '377 Accused Instrumentalities result in Samsung's direct and/or indirect infringement of the asserted claims of the '377 patent. Appendix 1 is not intended to be an exhaustive list, and Plaintiff reserves the right, in response to discovery or as otherwise permitted, to supplement Appendix 1 to include additional Accused Instrumentalities. All Instrumentalities in Appendix 1 made after the expiration date of the '377 patent are not Accused Instrumentalities.

2. The '706 Accused Instrumentalities

Based on publicly-available information and reverse-engineering of select products, each of the '706 Accused Instrumentalities include any Samsung LCD structure (excluding OLED) and any of Samsung's TVs, monitors, or laptops comprising a Samsung or third party LCD structure that are in Appendix 1, and all other reasonably similar products. Each of the '706 Accused Instrumentalities result in Samsung's direct and/or indirect infringement of the asserted claims of the '706 patent. Appendix 1 is not intended to be an exhaustive list, and Plaintiff reserves the right, in response to discovery or as otherwise permitted, to supplement Appendix 1 to include additional Accused Instrumentalities. All Instrumentalities in Appendix 1 made after the expiration date of the '706 patent are not Accused Instrumentalities.

3. The '347 Accused Instrumentalities

Based on publicly-available information and reverse-engineering of select products, each of the '347 Accused Instrumentalities include any Samsung active matrix LCD (excluding TN and OLED) and any of Samsung's TVs, monitors, or laptops comprising a Samsung or third party active matrix LCD that are in Appendix 1, and all other reasonably similar products. Each of the '347 Accused Instrumentalities result in Samsung's direct and/or indirect infringement of the asserted claims of the '347 patent. Appendix 1 is not intended to be an exhaustive list, and Plaintiff reserves the right, in response to discovery or as otherwise permitted, to supplement Appendix 1 to include additional Accused Instrumentalities.

4. The '047 Accused Instrumentalities

Based on publicly-available information and reverse-engineering of select products, each of the '047 Accused Instrumentalities include any Samsung power supply comprising two or more output terminals and any of Samsung's TVs, monitors, or laptops comprising a Samsung or third party power supply comprising two or more output terminals that are in Appendix 1, and all other reasonably similar products. Each of the '047 Accused Instrumentalities result in Samsung's direct and/or indirect infringement of the asserted claims of the '047 patent. Appendix 1 is not intended to be an exhaustive list, and Plaintiff reserves the right, in response to discovery or as otherwise permitted, to supplement Appendix 1 to include additional Accused Instrumentalities.

Based on currently available information, Bishop Display has not confirmed infringement by UN32N5300 of the '047 patent. Bishop Display does not currently accuse the UN32N5300 of infringing the '047 patent. Accordingly, that product, as well as any others of Samsung's products determined through discovery to have a similarly non-infringing structure, are not

accused of infringing this patent. Plaintiff reserves the right, in response to discovery as otherwise permitted, to supplement or otherwise amend the identified Accused Instrumentalities with respect to this patent.

5. The '830 Accused Instrumentalities

Based on publicly-available information and reverse-engineering of select products, each of the '830 Accused Instrumentalities include any Samsung semiconductor light source driver and any of Samsung's TVs, monitors, or laptops comprising a Samsung or third party semiconductor light source driver that are in Appendix 1, and all other reasonably similar products. Each of the '830 Accused Instrumentalities result in Samsung's direct and/or indirect infringement of the asserted claims of the '830 patent. Appendix 1 is not intended to be an exhaustive list, and Plaintiff reserves the right, in response to discovery or as otherwise permitted, to supplement Appendix 1 to include additional Accused Instrumentalities.

6. The '449 Accused Instrumentalities

Based on publicly-available information and reverse-engineering of select products, each of the '449 Accused Instrumentalities include any Samsung device comprising a light source section that includes at least one light source which emits a laser beam and any of Samsung's products that includes a Samsung or third party device comprising a light source section that includes at least one light source which emits a laser beam, and all other reasonably similar products. Each of the '449 Accused Instrumentalities result in Samsung's direct and/or indirect infringement of the asserted claims of the '449 patent. Based on publicly available information, the '449 Accused Instrumentalities include at least:

- The LSP7T series, including at least model no. SP-LSP7TFAXZA.; and
- The LSP9T series, including at least model no. SP-LSP9TFAXZA.

This is not intended to be an exhaustive list, and Plaintiff reserves the right, in response to discovery or as otherwise permitted, to supplement this list to include additional ‘449 Accused Instrumentalities.

Plaintiff expressly reserves the right to seek leave of Court to augment and supplement these disclosures after discovery from Defendants, or as permitted by the Court, the Patent Rules, or the Federal Rules of Civil Procedure. Plaintiff expects that this disclosure may be subject to amendment or supplementation to identify and accuse additional products developed or made available after the date on which these contentions are served, or of which Plaintiff was not aware at the time that these contentions were prepared. Plaintiff reserves the right to seek leave of Court to augment and supplement this disclosure after discovery from Defendants, or as permitted by the Court, the Patent Rules, or the Federal Rules of Civil Procedure.

(c) A chart identifying specifically where each element of each asserted claim is found within each Accused Instrumentality, including for each element that such party contends is governed by 35 U.S.C. § 112(6), the identity of the structure(s), act(s), or materials(s) in the Accused Instrumentality that performs the claimed functions;

Based on publicly available information and Plaintiff’s reverse engineering efforts, each of the respective Accused Instrumentalities infringe the asserted claims of the patents-in-suit in the same or substantially similar manner. Moreover, discovery has yet to begin and the infringing aspects of the Accused Instrumentalities are non-public. As such, Plaintiff reserves the right to amend its list of Accused Instrumentalities. *See MOSAID Techs. Inc. v. Micron Tech., Inc.* No. 2:06-CV-302 (DF), 2008 WL 11344767, at *2 (E.D. Tex. Jan. 29, 2008) (holding that “the

cumulative authority in this district” is that when “there is a lack of public information” a plaintiff need not “perform reverse engineering on every accused product[] to satisfy P.R.3-1.”).

The attached claim charts are, therefore, representative of the manner and theory of infringement pertaining to the Accused Instrumentalities for each of the patents-in-suit. *See Eolas Techs.*, 2016 WL 7666160, at *3 (“[T]his Court has consistently found that multiple instrumentalities can apply to the same chart where separate charts would be identical for each instrumentality.”); *see also Rapid Completions LLC v. Baker Hughes Inc.*, 6:15-CV-724, 2016 WL 3407688, at *7 (E.D. Tex. June 21, 2016) (“[A] plaintiff may provide an exemplar chart, which encompasses multiple products, if that chart would be representative of each of those products.”). The accused features and functionalities of the Accused Instrumentalities are non-public and instead based on Plaintiff’s reverse-engineering efforts and publicly available information. As such, Plaintiff reserves the right to amend or supplement its infringement charts and the list of Accused Instrumentalities after receiving discovery in this matter.

1. The elements of the asserted claims of the ’377 patent are found within the Accused Instrumentalities as identified in the charts contained with Exhibits H1-H10.¹
2. The elements of the asserted claims of the ’706 patent are found within the Accused Instrumentalities as identified in the charts contained with Exhibits I1-I10.
3. The elements of the asserted claims of the ’347 patent are found within the Accused Instrumentalities as identified in the charts contained with Exhibits J1-J8.

¹ Reference to the Accused Product or Representative Product in each of the attached claim charts for the patents-in-suit is intended to put Defendants on notice as to the infringement theories for all of the Accused Instrumentalities based on information currently known to Plaintiff.

4. The elements of the asserted claims of the '047 patent are found within the Accused Instrumentalities as identified in the charts contained with Exhibits K1-K4.

5. The elements of the asserted claims of the '830 patent are found within the Accused Instrumentalities as identified in the charts contained with Exhibits L1-L5.

6. The elements of the asserted claims of the '449 patent are found within the Accused Instrumentalities as identified in the charts contained with Exhibit M1.

The charts are based on publicly available information and reverse-engineering information currently accessible to Plaintiff, and no discovery has occurred to date. Specifically, Plaintiff believes that evidence of infringement will be found in Samsung's documents, specifications, schematics, and other proprietary information, which has not yet been produced or disclosed. Plaintiff reserves the right to seek leave of Court to augment and supplement this disclosure after discovery from Samsung, or as permitted by the Court, the Patent Rules, or the Federal Rules of Civil Procedure. *See Eolas Techs.*, 2016 WL 7666160, at *2 ("[G]iven Plaintiff's assertion that Defendant's have not produced all documents and code reflecting their server architectures, it is unreasonable to expect Plaintiff to draft ICs in great detail . . . [C]ontentions should become more detailed with the conclusion of fact discovery and claim construction.").

(d) Whether each element of each asserted claim is claimed to be literally present or present under the doctrine of equivalents in the Accused Instrumentality;

As the Court has not construed any claim term, it is not yet clear whether Plaintiff will rely on the doctrine of equivalents. Accordingly, Plaintiff reserves the right to amend its infringement contentions as necessary. Based on its current understanding of the claim language and publicly available information pertaining to the Accused Instrumentalities, and without notice of any claim construction or non-infringement position from Defendants, Plaintiff asserts that Defendants literally infringe each element of the asserted claims. However, any claim

element not literally present in or performed by the Accused Instrumentalities is satisfied under the doctrine of equivalents because any difference between such claim element and the accused element is insubstantial. In other words, the accused element performs substantially the same function, in substantially the same way, to achieve substantially the same result.

(e) For any patent that claims priority to an earlier application, the priority date to which each asserted claim allegedly is entitled;

Each of the patents-in-suit is entitled to a priority date no later than the filing date of the earliest application to which it claims priority. To date, Plaintiff believes the patents-in-suit have the following priority dates. Plaintiff reserves the right to amend its list of priority dates as additional information becomes available, such as in response to discovery from third parties.

- The asserted claims of the '377 patent are entitled to a priority date at least as early as May 23, 1997.
- The asserted claims of the '706 patent are entitled to a priority date at least as early as May 23, 1997.
- The asserted claims of the '347 patent are entitled to a priority date at least as early as July 31, 2000.
- The asserted claims of the '047 patent are entitled to a priority date at least as early as December 13, 2006.
- The asserted claims of the '830 patent are entitled to a priority date at least as early as July 3, 2008.
- The asserted claims of the '449 patent are entitled to a priority date at least as early as March 20, 2008.

(f) If a party claiming patent infringement wishes to preserve the right to reply, for any purpose, on the assertion that its own apparatus, product, device, process, method, act, or other instrumentality practices the claimed invention, the party

must identify, separately for each asserted claim, each such apparatus, product, device, process, method, act, or other instrumentality that incorporates or reflects that particular claim.

Plaintiff is not aware of any apparatus, product, device, process, method, act, or other instrumentality of its own that practices the claimed inventions.

II. P.R. 3-2 Document Production Accompanying Disclosure

(a) Plaintiff is not presently aware of any non-privileged documents sufficient to evidence discussion with, disclosure to, or other manner of providing to a third party, or sale of or offer to sell, the claimed inventions prior to the date of application for the patents-in-suit.

(b) Plaintiff is not presently aware of any non-privileged documents that evidence conception, reduction to practice, design, and development of each claimed invention that were created on or before the above referenced dates for each of the patents-in-suit. Plaintiff notes that documents responsive to P.R. 3-2(b) may be in the possession of the inventors and/or original assignees of the patents-in-suit. In the event that discovery leads to documents that evidence conception, reduction to practice, design, and development of any claimed invention that were created on or before the date of application for the patents-in-suit, Plaintiff reserves the right to claim such date.

(c) Copies of the file histories for the patents-in-suit are produced herewith and bear production numbers as follows:

- '377 patent: BDT_SAM003119 to BDT_SAM003262.
- '706 patent: BDT_SAM003271 to BDT_SAM003405.
- '347 patent: BDT_SAM006485 to BDT_SAM006746.
- '047 patent: BDT_SAM006765 to BDT_SAM006934.
- '830 patent: BDT_SAM007174 to BDT_SAM007345.

- '449 patent: BDT_SAM006954 to BDT_SAM007154.

Dated: September 29, 2021

Respectfully submitted,

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CERTIFICATE OF SERVICE

The undersigned hereby certifies that a true and correct copy of the foregoing document was served on Defendants through its respective counsel via e-mail on September 29, 2021.

/s/ John Murphy

APPENDIX 1

TVs

Series	Model
TU6950	UN82TU6950FXZA
AU8000	UN43AU8000FXZA
AU8000	UN50AU8000FXZA
AU8000	UN55AU8000FXZA
AU8000	UN65AU8000FXZA
AU8000	UN75AU8000FXZA
AU8000	UN85AU8000FXZA
TU9010	UN86TU9010FXZA
TU9000	UN86TU9000FXZA
QN85A	QN55QN85AAFXZA
QN85A	QN65QN85AAFXZA
QN85A	QN75QN85AAFXZA
QN85A	QN85QN85AAFXZA
QN90A	QN50QN90AAFXZA
QN90A	QN55QN90AAFXZA
QN90A	QN65QN90AAFXZA
QN90A	QN75QN90AAFXZA
QN90A	QN85QN90AAFXZA
QN800A	QN65QN800AFXZA
QN800A	QN75QN800AFXZA
QN800A	QN85QN800AFXZA
QN900A	QN65QN900AFXZA
QN900A	QN75QN900AFXZA
QN900A	QN85QN900AFXZA
LST9T	QN65LST9TAFXZA
LST9T	QN75LST9TAFXZA
Q70A	QN55Q70AAFXZA
Q70A	QN65Q70AAFXZA
Q70A	QN75Q70AAFXZA
Q70A	QN85Q70AAFXZA
Q80A	QN50Q80AAFXZA
Q80A	QN55Q80AAFXZA
Q80A	QN65Q80AAFXZA
Q80A	QN75Q80AAFXZA
Q80A	QN85Q80AAFXZA
Q80T	QN50Q80TAFXZA
LS05T	QN43LS05TAFXZA
LS03A	QN43LS03AAFXZA

LS03A	QN50LS03AAFXZA
LS03A	QN55LS03AAFXZA
LS03A	QN65LS03AAFXZA
LS03A	QN75LS03AAFXZA
Q60A	QN32Q60AAFXZA
Q60A	QN43Q60AAFXZA
Q60A	QN50Q60AAFXZA
Q60A	QN55Q60AAFXZA
Q60A	QN60Q60AAFXZA
Q60A	QN65Q60AAFXZA
Q60A	QN70Q60AAVXZA
Q60A	QN75Q60AAFXZA
Q60A	QN85Q60AAFXZA
LS03T	QN32LS03TAFXZA
LS01T	QN43LS01TAFXZA
LS03T	QN43LS03TAFXZA
Q60T	QN43Q60TAFXZA
Q80T	QN49Q80TAFXZA
LS03T	QN50LS03TAFXZA
Q60T	QN50Q60TAFXZA
Q60T	QN82Q60TAFXZA
LS01T	QN55LS01TAFXZA
LS03T	QN55LS03TAFXZA
LST7T	QN55LST7TAFXZA
Q60T	QN55Q60TAFXZA
Q70T	QN55Q70TAFXZA
Q70T	QN82Q70TAFXZA
Q80T	QN65Q80TAFXZA
Q80T	QN55Q80TAFXZA
Q90T	QN55Q90TAFXZA
Q60T	QN58Q60TAFXZA
LS03T	QN65LS03TAFXZA
LST7T	QN65LST7TAFXZA
Q60T	QN65Q60TAFXZA
Q70T	QN65Q70TAFXZA
Q800	QN65Q800TAFXZA
Q80T	QN65Q80TAFXZA
Q900TS	QN65Q900TSFXZA
Q90T	QN65Q90TAFXZA
LS03T	QN75LS03TAFXZA
LST7T	QN75LST7TAFXZA
Q60T	QN75Q60TAFXZA
Q70T	QN75Q70TAFXZA
Q800	QN75Q800TAFXZA

Q80T	QN75Q80TAFXZA
Q900TS	QN75Q900TSFXZA
Q800T	QN82Q800TAFXZA
Q90T	QN75Q90TAFXZA
Q800	QN82Q800TAFXZA
Q60T	QN85Q60TAFXZA
Q70T	QN85Q70TAFXZA
Q80T	QN85Q80TAFXZA
Q900	QN85Q900RAFXZA
Q900TS	QN85Q900TSFXZA
Q90T	QN85Q90TAFXZA
Q950	QN85Q950TSFXZA
TU7000	UN43TU7000FXZA
TU8000	UN43TU8000FXZA
TU7000	UN50TU7000FXZA
TU8000	UN50TU8000FXZA
TU7000	UN55TU7000FXZA
TU7000	UN60TU7000FXZA
TU7000	UN65TU7000FXZA
TU7000	UN70TU7000BXZA
TU7000	UN75TU7000FXZA
TU7000	UN82TU7000FXZA
TU8000	UN43TU8000FXZA
TU8000	UN50TU8000FXZA
TU8000	UN55TU8000FXZA
TU8000	UN65TU8000FXZA
TU8000	UN75TU8000FXZA
TU8000	UN85TU8000FXZA
TU8300	UN55TU8300FXZA
TU8300	UN65TU8300FXZA
TU850D	UN55TU850DFXZA
TU7000	UN58TU7000FXZA
RU9000	UN65RU9000FXZA
TU7000	UN65TU7000FXZA
TU8000	UN65TU8000FXZA
TU8300	UN65TU8300FXZA
TU850D	UN65TU850DFXZA
TU7000	UN70TU7000FXZA
RU9000	UN75RU9000FXZA
TU7000	UN75TU7000FXZA
TU8000	UN75TU8000FXZA
RU9000	UN82RU9000FXZA
TU8000	UN85TU8000FXZA
Q50R	QN32Q50RAFXZA

LS03R	QN43LS03RAFXZA
Q60R	QN43Q60RAFXZA
Q6DR	QN43Q6DRAFXZA
LS03R	QN49LS03RAFXZA
Q60R	QN49Q60RAFXZA
Q6DR	QN49Q6DRAFXZA
Q70R	QN49Q70RAFXZA
Q7D	QN49Q7DRAFXZA
LS01R	QN55LS01RAFXZA
LS01R	QN55LS01RAFXZA
LS03R	QN55LS03RAFXZA
Q60R	QN55Q60RAFXZA
Q6DR	QN55Q6DRAFXZA
Q70R	QN55Q70RAFXZA
Q7D	QN55Q7DRAFXZA
Q80R	QN55Q80RAFXZA
Q80R	QN55Q80RAFXZA
Q900	QN55Q900RBFXZA
LS03R	QN65LS03RAFXZA
Q60R	QN65Q60RAFXZA
Q60R	QN65Q60RAFXZA
Q6DR	QN65Q6DRAFXZA
Q6DR	QN65Q6DRAFXZA
Q70R	QN65Q70RAFXZA
Q70R	QN65Q70RAFXZA
Q7D	QN65Q7DRAFXZA
Q7D	QN65Q7DRAFXZA
Q80R	QN65Q80RAFXZA
Q80R	QN65Q80RAFXZA
Q80R	QN65Q80RAFXZA
Q900	QN65Q900RBFXZA
Q90R	QN65Q90RAFXZA
Q90R	QN65Q90RAFXZA
Q60R	QN75Q60RAFXZA
Q6DR	QN75Q6DRAFXZA
Q70R	QN75Q70RAFXZA
Q7D	QN75Q7DRAFXZA
Q7D	QN75Q7DRAFXZA
Q80R	QN75Q80RAFXZA
Q80R	QN75Q80RAFXZA
Q900	QN75Q900RBFXZA
Q90R	QN75Q90RAFXZA
Q90R	QN75Q90RAFXZA
Q60R	QN82Q60RAFXZA

Q6D	QN82Q6DRAFXZA
Q70R	QN82Q7RAFXZA
Q7D	QN82Q7DRAFXZA
Q80R	QN82Q80RAFXZA
Q900	QN82Q900RBFXZA
Q90R	QN82Q90RAFXZA
Q90R	QN82Q90RAFXZA
Q70R	QN85Q70RAFXZA
Q900	QN98Q900RBFXZA
Q900	QN98Q900RBFXZA
RU7100	UN43RU7100FXZA
RU7100	UN43RU7100FXZA
RU8000	UN49RU8000FXZA
RU800D	UN49RU800DFXZA
RU7100	UN50RU7100FXZA
RU710D	UN50RU710DFXZA
RU7100	UN55RU7100FXZA
RU710D	UN55RU710DFXZA
RU7200	UN55RU7200FXZA
RU7200	UN55RU7200FXZA
RU7300	UN55RU7300FXZA
RU7300	UN55RU7300FXZA
RU730D	UN55RU730DFXZA
RU730D	UN55RU730DFXZA
RU740D	UN55RU740DFXZA
RU8000	UN55RU8000FXZA
RU800D	UN55RU800DFXZA
RU7100	UN58RU7100FXZA
RU7100	UN58RU7100FXZA
RU710D	UN58RU710DFXZA
RU710D	UN58RU710DFXZA
RU7100	UN65RU7100FXZA
RU7100	UN65RU7100FXZA
RU710D	UN65RU710DFXZA
RU710D	UN65RU710DFXZA
RU7200	UN65RU7200FXZA
RU7200	UN65RU7200FXZA
RU7300	UN65RU7300FXZA

RU7300	UN65RU7300FXZA
RU730D	UN65RU730DFXZA
RU730D	UN65RU730DFXZA
RU740D	UN65RU740DFXZA
RU8000	UN65RU8000FXZA
RU8000	UN65RU8000FXZA
RU800D	UN65RU800DFXZA
RU800D	UN65RU800DFXZA
RU7100	UN75RU7100FXZA
RU7100	UN75RU7100FXZA
RU7100	UN75RU7100FXZA
RU710D	UN75RU710DFXZA
RU710D	UN75RU710DFXZA
RU710D	UN75RU710DFXZA
RU8000	UN75RU8000FXZA
RU800D	UN75RU800DFXZA
RU8000	UN82RU8000FXZA
RU800D	UN82RU800DFXZA
Q65FN	QN49Q65FNFZXA
Q6F	QN49Q6FNAFXZA
Q65FN	QN55Q65FNFZXA
Q6F	QN55Q6FNAFXZA
Q6F	QN55Q6FNAFXZA
Q75FN	QN55Q75FNFZXA
Q75FN	QN55Q75FNFZXA
Q7CN	QN55Q7CNAFXZA
Q7CN	QN55Q7CNAFXZA
Q7FN	QN55Q7FNAFXZA
Q7FN	QN55Q7FNAFXZA
Q7FN	QN55Q7FNAFXZA
Q8FN	QN55Q8FNBFXZA
Q8FN	QN55Q8FNBFXZA
Q8FN	QN55Q8FNBFXZA
Q65FN	QN65Q65FNFZXA
Q65FN	QN65Q65FNFZXA
Q6F	QN65Q6FNAFXZA
Q6F	QN65Q6FNAFXZA
Q75FN	QN65Q75FNFZXA
Q75FN	QN65Q75FNFZXA
Q7CN	QN65Q7CNAFXZA
Q7FN	QN65Q7FNAFXZA
Q7FN	QN65Q7FNAFXZA
Q8FN	QN65Q8FNBFXZA
Q8FN	QN65Q8FNBFXZA

Q8FN	QN65Q8FNBFXZA
Q8FN	QN65Q8FNBFXZA
Q9FN	QN65Q9FNAFXZA
Q65FN	QN75Q65FNFXZA
Q65FN	QN75Q65FNFXZA
Q65FN	QN75Q65FNFXZA
Q6F	QN75Q6FNAFXZA
Q6F	QN75Q6FNAFXZA
Q6F	QN75Q6FNAFXZA
Q75FN	QN75Q75FNFXZA
Q7FN	QN75Q7FNAFXZA
Q7FN	QN75Q7FNAFXZA
Q8FN	QN75Q8FNBFXZA
Q8FN	QN75Q8FNBFXZA
Q8FN	QN75Q8FNBFXZA
Q9FN	QN75Q9FNAFXZA
Q9FN	QN75Q9FNAFXZA
Q65FN	QN82Q65FNBXZA
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JU7101	UN85JU7100FXZA
S9V	UN85S9VFXZA
S9V	UN85S9VFXZA
JS9500	UN88JS9500FXZA
F5500	UN32F5500AFXZA
H5500	UN32H5500AFXZA
H5501	UN32H5500AFXZA
F5500	UN40F5500AFXZA
H5500	UN40H5500AFXZA
F5500	UN46F5500AFXZA
H7150	UN46H7150AFXZA
H7151	UN46H7150AFXZA
H5500	UN48H5500AFXZA
H8000	UN48H8000AFXZA
F5500	UN50F5500AFXZA
F5501	UN50F5500AFXZA
F5502	UN50F5500AFXZA
F5503	UN50F5500AFXZA

H5500	UN50H5500AFXZA
HU8500	UN50HU8500FXZA
HU8550	UN50HU8550FXZA
HU8551	UN50HU8550FXZA
H7150	UN55H7150AFXZA
H7151	UN55H7150AFXZA
H8000	UN55H8000AFXZA
HU6840	UN55HU6840FXZA
HU6841	UN55HU6840FXZA
HU7200	UN55HU7200FXZA
HU8500	UN55HU8500FXZA
HU8550	UN55HU8550FXZA
HU8551	UN55HU8550FXZA
HU9000	UN55HU9000FXZA
H7150	UN60H7150AFXZA
H7151	UN60H7150AFXZA
HU8500	UN60HU8500FXZA
HU8550	UN60HU8550FXZA
H7150	UN65H7150AFXZA
H7151	UN65H7150AFXZA
H8000	UN65H8000AFXZA
HU7200	UN65HU7200FXZA
HU7201	UN65HU7200FXZA
HU8500	UN65HU8500FXZA
HU8501	UN65HU8500FXZA
HU8502	UN65HU8500FXZA
HU8503	UN65HU8500FXZA
HU8550	UN65HU8550FXZA
HU8551	UN65HU8550FXZA
HU8552	UN65HU8550FXZA
HU9000	UN65HU9000FXZA
HU9001	UN65HU9000FXZA
HU9002	UN65HU9000FXZA
H7150	UN75H7150AFXZA
HU8500	UN75HU8500FXZA
HU8550	UN75HU8550FXZA
HU9000	UN78HU9000FXZA
HU8550	UN85HU8550FXZA

Monitors

Model
LC32F391FWNXZA
LC32R500FHNXZA

LC27R500FHNXZA
LS43AM702UNXZA
LS27AM501NNXZA
LS24AM506NNXZA
LS24R350FZNXZA
LS32A600WNWXGO
LS27A600WNWXGO
LS24A600WNWXGO
LS34A650UXNXGO
LS27A700WNWXZA
LS32A700WNWXZA
LS27A800UJNXGO
LS24A600UCNXGO
LS27A600UUNXGO
LS32A600UUNXGO
LS27A804NMNXGO
LS32A804NMNXGO
LF27T700QQNXZA
LS27R650FDNXZA
LS24A310HNXZA
LF22T452FQNXGO
LF24T650FYNXGO
LF27G35TFWNXZA
LF24G35TFWNXZA
LC34G55TWWNXZA
LC32G57TQWNXDC
LC27G55TQWNXZA
LC32G77TQSNXZA
LC27G77TQSNXZA
LS32AM702UNXZA
LS32AM500NNXZA
LS27AM500NNXZA
LC34J791WTNXZA
LC49HG90DMNXZA
LC49RG90SSNXZA
LC32T550FDNXZA
LC27T550FDNXZA
LF24T350FHNXZA
LF22T350FHNXZA
LF27T350FHNXZA
LS34J550WQNXZA
LS24F354FHNXZA
LS27F354FHNXZA
LS32D85KTSR/ZA

LC27RG50FQNXZA
LC24RG50FQNXZA
LU28R550UQNXZA
LC27RG50FQNXZA
LC24RG50FQNXZA
LU28E570DS/ZA
LU32J590UQNXZA
LC24F396FHNXZA
LS24R650FDNXZA
LF24T452FQNXGO
LC34H890WGNXGO
S24H851QFNXZA
LF27T850QWNXZA
LC27HG70QQNXZA
LC32HG70QQNXZA
S49A950UIU
24S40VA
37AG30
24M50A
43M70A
S28AG70
S27AG50
S27AG50
S49AG95NC
S24A600U
S27A600U
S32A600U
S27A600
S32A600
S27A700
S27A800
S32A800
S27A800U
S32A700
S34A650U
F24G35T
F22T37
F24T37
F27T37
F27G35T
C32G35T
S19A330
S22A330
C34G55T

27M50A
32M50A
32M70A
C27JG54
F27T70
S24E650X
S27E650X
S19A310
S22A310
C27G77T
C32G77T
C27G55T
C32G57T
C32G55T
F22T35
F24T35
F27T35
F22T45
F27T45
C32JG50F
F32TU87
F24T65
S24R350
C49G95T
C32G75T
C27G75T
S27R350
C32R500
C34H890WG
F27T85
F24T40
C24T55
C27T55
C32T55
28U28R55
C32F395FWU
S24R650
S24R350
S32R75Q
C32F39MFU
C27RG50
C27R500
C32JG51
C24RG50

C24F396FHN
C49RG90
U32R591C
U32R59C
S32R750U
S27R750Q
S34J550W
C32JG50F
C27JG56
C27JG50
C43J890
C34J791
C32JG52
C27JG52
U32J590
C49J890
U32H750
C27H800
C34H890
C49HG90
C27HG70
C24FG73
S27H650FDU
S25HG50
U32H850
U28H750
C32HG70
C27H580FDU
C27H711QEU
S27H850QFI
S27H850
S24H650FDU
S24H850QFI
S24H850
C34F791
C27FG70
C24FG70
S22E348A
S24D330H
S27E330H
S32F351FU
U28E570D
S22F350F
S24F350F

S27F350F
C27F391FW
C32F391FW
S24F356FHU
S27F358F
C27F581FDU
C27F591FDU
C27F398FWU
C27F396FHU
C24F396FHU
C24F390FH
C22F390FH
C27F390FH
24S24E650XW
S24E650DW
S24E650MV
S24E650BW
S24E650PL
S22E450F
S24E450BL
S22E450BW
S27E370D
S24E370D
S24E450F
S24E450M
S24E450D
U24E590D
S27E650C
U24E850R
U28E850R
U32E850R
S32E590CS
S24E510C
S27E510C
S29E790C
S34E790C
S27D590C
U32D970Q
S27D850T
S22E390HL
S24E390HL
S27E390H
S22E391HL
S24E391HL

S27E391H
S24D340H
S22D390H
S24D390HL
S27D390H
S22D300H
S24D300H
S24D590PL
S27D590P
U28D590D

Laptops

Galaxy Book Flex2
Galaxy Book Flex
Galaxy Book Flex
Galaxy Book Ion
Galaxy Book S LTE
Galaxy Book S WIFI
Galaxy Chromebook 2
Galaxy Chromebook Go
Galaxy Book Go
Notebook 9
Notebook 9 Pro
Galaxy Book
Samsung Odyssey
Chomebook Plus V2 2-in-1
Chromebook 4 Plus
Chrombook
Chomebook 3
Chromebook 4
Notebook
Notebook 2
Notebook 3
Notebook 5
Notebook 7
Notebook 7 Spin
ATIV Book 2
ATIV Book 4 370
ATIV Book 4 510
ATIV Book 5
ATIV Book 6
ATIV Book 7

ATIV Book 8
ATIV Book 9
ATIV Book 9 Lite
ATIV Book 9 Pro
ATIV Book Plus
ATIV Book 9 Spin

LCD Panels

Panel Specification
CY-BT043HGEV1V/H,TU8000,
CY-BT043HGHV5H,UTU7000K
CY-BT050HGNV4H,UTU7000K,
CY-BT055HGHV1V/H,TU8000
CY-BT055HGLV3H,TU7000,3I
CY-BT055HGLV3H,TU7000,3I
CY-BT058HGPV1V/H,TU7000,
CY-BT065HGEV1V/H,TU8000,
CY-BT065HGLV3H,UTU7000K,
CY-BT070HGPV2H,UTU7000K,
CY-BT075HGEV1V/H,TU8000,
CY-BT075HGLV3H,UTU7000K,
CY-CN055HGAV2V/H,NU7300,
CY-CN055HGHV1V/H,NU7300
CY-CN055HGHV6V/H,NU7300
CY-CN055HGLV2V/H,NU7300,
CY-CN055HGLV8V/H,NU7300,
CY-CN055HGLV9V/H,NU7300,
CY-CN065HGLV2V/H,NU7300,
CY-CN065HGLV2V/H,NU7300,
CY-DF400CSLV3V/H,H6203,F
CY-DF400CSLV4V/H,H6203,C
CY-DF400CSLV5V/H,H6203,H
CY-DF550CSLV4V/H,H6203,B
CY-DF600CGSV4V /H,H620
CY-DF600CGSV4V /H,H620
CY-DF600CGSV6V/H,H6203
CY-DJ065CGAV1H,J6200,CEL
CY-DJ065CGNV1H/V,H6203,B
CY-FK040BNNV1V/H,K5300,Y
CY-FK040BNNV3V/H,K5300,J
CY-FK055BNLV1V/H,K5300,Y
CY-FK055BNLV4V/H,K5300,H
CY-GH032BGLV5H/V,H5500
CY-GH055HGEV1V / H,HU700
CY-GH055HGEV4V / H,HU683

CY-GH075CSLV4H/V,H6300,0
CY-GH075CSLV5H,H6400,TOC
CY-GJ040FLLV1V,JU7000,Ba
CY-GJ040HGLV1F,JU6400,TS
CY-GJ040HGLV1V,JU6400,BA
CY-GJ040HGLV5V/H,JU6000,
CY-GJ040HGLVCH/V,JU6000,
CY-GJ040HGLVDH/V,JU6000,
CY-GJ040HGLVFH/V,JU6000,
CY-GJ040HGLVGV/H,JU6400,
CY-GJ043HGAV2V,JU6000,CO
CY-GJ048HGLV1V,JU6400,BA
CY-GJ048HGLV4V/H,JU6000,
CY-GJ048HGLVBV/H,JU6000,
CY-GJ048HGLVCV/H,JU6000,
CY-GJ048HGLVEV/H,JU6000,
CY-GJ048HGLVLV,JU6400,
CY-GJ050BGNV1V,J5500,BAS
CY-GJ050BGNV2V/H,J5500,B
CY-GJ050FLNV1V,JU7000,BA
CY-GJ050HGNV1V,JU6400,BA
CY-GJ050HGNV3V,JU6400,SH
CY-GJ055FLAV1V,JU7000,BA
CY-GJ055FLLV1V,JU7000,Ba
CY-GJ055GEVBV/H,JU6000,C
CY-GJ055HGEV1V,JU6400,BA
CY-GJ055HGEV3V/H,JU6000,
CY-GJ055HGEV4H/V,JU6000,
CY-GJ055HGLV1V,JU6400,BA
CY-GJ055HGLV1V,JU6400,BA
CY-GJ055HGLV7V/H,JU600
CY-GJ055HGLVAV/H,JU600
CY-GJ055HGLVDV,JU6400,SH
CY-GJ060FLSV1V,JU7000,
CY-GJ060HGSV1V,JU6400,
CY-GJ060HGSV4V/H,JU600
CY-GJ060HGSV5V,JU6400,
CY-GJ065CSAV1V/H,H6300/J
CY-GJ065FGNV1V,JU6400,BA
CY-GJ065FGNV2V/H,JU6000,
CY-GJ065FGNV6V,JU6400,SH
CY-GJ065FLNV1V,JU7000,BA
CY-GJ065HGLV1V,JU6400,BA
CY-GJ065HGLV5V/H,JU6000,
CY-GJ065HGLV8H/V,JU600
CY-GJ065HGLVAH/V,JU600
CY-GJ065HGLVGV,JU6400,

CY-GJ075FGNV1H,JU6400,
CY-GJ075FLLV1V,JU7000,BA
CY-GJ075FLLV3V/H,JU7000,
CY-GJ075HGLV1V,JU6400,BA
CY-GJ075HGLV5V,JU6400,
CY-GJ075HGLV7V/H,JU640
CY-GJ075HGLV9V/H,JU640
CY-GK040HGLV1R,KU6000,VI
CY-GK040HGLV1V,KU6000,BA
CY-GK040HGLV2V/H,KU6000,
CY-GK040HGLV3V/H,KU6000,
CY-GK040HGLV3V/H,KU6000,
CY-GK040HGLV4F,KU6000,TS
CY-GK040HGLV4R,KU6000,AP
CY-GK040HGLV7V/H,KU6000,
CY-GK040HGLV7V/H,KU6000,
CY-GK040HGLVCV/H,KU6000,
CY-GK043HGAV1V/H,KU6000,
CY-GK043HGAV2V/H,KU6000,
CY-GK043HGEV1V/H,K6000,B
CY-GK043HGEV2V/H,K6000,C
CY-GK043HGEV2V/H,K6000,C
CY-GK043HGEV4V/H,K6000,S
CY-GK043HGNV2V/H,KU6000,
CY-GK050HGAB1V,BKGBHA1,1128.8X
CY-GK050HGAV1V/H,KU6000,
CY-GK050HGAV5V/H,KU6000,
CY-GK050HGAV7V/H,KU6000,
CY-GK050HGNV1V/H,KU6000,
CY-GK050HGNV2V/H,KU6000,
CY-GK050HGNV3V/H,KU6000,
CY-GK050HGNV5V/H,KU6000,
CY-GK050HGNV9H,KU6000,AP
CY-GK050HGNVAH,KU6000,AP
CY-GK050HGNVBH,KU6000,AP
CY-GK050HGNVCH,KU6000,AP
CY-GK050HGNVFV/H,KU6000,
CY-GK050HGNVFV/H,KU6000,
CY-GK050HGNVNH,KU6000,AP
CY-GK050HGNVPH,KU6000,AP
CY-GK050HGNVQH,KU6000,AP
CY-GK050HGNVQH,KU6000,AP
CY-GK050HGNVVH,KU6000,CH
CY-GK050HGNVWH,KU6000,CH
CY-GK050HGNVXH,KU6000,ME
CY-GK050HGNVYH,KU6000,ME
CY-GK050HHNV6V/H,KU6000,

CY-GK050HHNV9V/H,KU6000,
CY-GK050HHNVIH/V,KU6000,
CY-GK050HHNVLV/H,KU6000,
CY-GK050HHNOV/H,KU6000,
CY-GK055HGAV5V/H,KU6000,
CY-GK055HGAV8V/H,KU6000,
CY-GK055HGEV2V/H,KU6000,
CY-GK055HGEV3V/H,KU6000,
CY-GK055HGEV5V/H,KU6000,
CY-GK055HGEV6V/H,KU6000,
CY-GK055HGHV1V/H,KU6000
CY-GK055HGHV2V/H,KU6000
CY-GK055HGHV4V/H,KU6000
CY-GK055HGHV5V/H,KU6000
CY-GK055HGLV1V/H,KU6000,
CY-GK055HGLV2V/H,KU6000,
CY-GK055HGLV6V/H,KU6000,
CY-GK055HGLV7V/H,KU6000,
CY-GK055HGLV9V/H,KU6000,
CY-GK055HGLVCV/H,KU6000,
CY-GK055HGLVHV/H,KU6000,
CY-GK055HGLVIV/H,KU6000,
CY-GK055HGLVLV/H,KU6000,
CY-GK055HGLVMV/H,KU6000,
CY-GK060HGSV1V/H,KU600
CY-GK060HGSV2V/H,KU600
CY-GK065HGLV1V/H,KU6000,
CY-GK065HGLV2V/H,KU6000,
CY-GK065HGLV7V/H,KU6000,
CY-GK065HGLVBV/H,KU6000,
CY-GK065HGNV2V/H,KU6000,
CY-GK065HGNV4V/H,KU6000,
CY-GK065HGNVCV/H,KU6000,
CY-GK065HGNVEV/H,KU6000,
CY-GK070HGSV2V/H,KU600
CY-GM043HGAV3V/H,MU6100,
CY-GM043HGAV7V/H,MU6100,
CY-GM049HGLV1V/H,MU6100,
CY-GM049HGLV2V/H,MU6100,
CY-GM049HGLV8V/H,MU6100,
CY-GM055HGHV2V/H,MU6100
CY-GM055HGHV4V/H,MU6100
CY-GM058HGNV2V/H,MU6100,
CY-GM058HGNV4V/H,MU6100,
CY-GM075FGLV2V/H,MU6100,
CY-GM075FGLV5Z,MU6100,KA
CY-GM075FGLV6V/H,MU6100,

CY-GM075FGNV2V/H,MU6100,
CY-GN070HGJV1V/H,NU6900
CY-GN070HGPV1V/H,NU6900,
CY-HJ085FLLV1V/H,JU7000,
CY-HJ085FLLV2V/H,JU7000,
CY-HJ085FLLV3V/H,JU7000,
CY-HJ085FLLV4V/H,JU7000,
CY-HR075FLLVZV/H,OMR75,7
CY-JJ032AGEV1V/H,J4003,B
CY-JJ032AGHV1V/H,J4003,
CY-JJ048BGEV4V/H,J5000,0
CY-JM032BGER2V,RMJ4BE2,741X428
CY-JM032BGER3V,RMJ4BE3,741X428
CY-JM032BGLR1V,RMJ4BL1,741X428
CY-JM032BGLR2V,RMJ4BL2,741X428
CY-JM032BGLV1V/H,M5300,P
CY-JM032BGLV2V/H,M5300,P
CY-JM040BGNV1V/H,M5000,B
CY-JM040BGNV3V/H,M5300,P
CY-JM040BGNV4V/H,M5000,O
CY-JM040BGNV6V/H,M5300,P
CY-JM043BGEV1V/H,M5300,B
CY-JM043BGEV2V/H,M5300,P
CY-JM043BGEV3V/H,M5300,B
CY-JM049BGEV1V/H,M5100,B
CY-JM049BGHV2V/H,M5100,
CY-JM049BGLV1V/H,M5100,B
CY-JM049BGLV2V/H,M5300,B
CY-JM050BGAB1V,BMJBBA1,1140.80
CY-JM050BGNV1V/H,M5300,B
CY-JM050BGNV2V/H,M5300,P
CY-JM050BGNV4V/H,M5300,O
CY-JN049BGLV5G,N5000,VG
CY-KH050FSNV1V,10 BIT,50
CY-KH050FSNV2V/H,HU8500,
CY-KH055FSLV1V,10 BIT,
CY-KH060FSSV1V,60,16:9
CY-KH065FSLV1V,10 BIT,
CY-KH065FSLV3V/H,10 BI
CY-KH065FSNV1V,10 BIT,65
CY-KH065FSNV2V/H,HU8500,
CY-KK040HGNV3V/H,KU6400,
CY-KK043HGAV3V/H,KU6400,
CY-KK049HGLV3V/H,KU6400,
CY-KK049HGLV4V/H,KU6400,
CY-KK055BGLV1V/H,K5500,B
CY-KK055HGLV1V/H,KU6400,

CY-KK055HGLV3V/H,KU6400,
CY-KK055HGLVAV/H,KU6400,
CY-KK065HGLV1V/H,KU6400,
CY-KK065HGLV3V/H,KU6400,
CY-KK065HGLV8V/H,KU6400,
CY-KM043HGEV1V/H,MU6400,
CY-KM043HGEV1V/H,MU6400,
CY-KM055FGLV1V/H,FRAME T
CY-KM055HGAV2V/H,MU6400,
CY-KM065FGLV1V/H,FRAME T
CY-KM075FLLV3V/H,MU7000,
CY-KM075FLLV6H/V,MU8000,
CY-KM075FLLVAV/H,MU7000,
CY-KM075FLLVEV/H,MU7000,
CY-KM075FLLVIV/H,MU8000,
CY-KM075FLNV7V/H,MU7000,
CY-KN043HGEV1V/H,FRAME 2
CY-KN055FGLV1V/H,FRAME T
CY-KN065FGLV1V/H,FRAME 2
CY-LH060DSSV6V/H,H7100
CY-LM055CGLVYF,OHF-V(SDC
CY-LM055CGLVZF,OHF-V(SDC
CY-NN040HGLV2V/H,NU7100,
CY-NN040HGLV4V/H,NU7200,
CY-NN043HGAV2V/H,NU7100,
CY-NN043HGAVCV/H,NU7100,
CY-NN043HGEVMV/H,RU7100,
CY-NN043HGNV1V/H,NU7100,
CY-NN050HGAV1V/H,NU7100,
CY-NN050HGAV6V/H,NU7100,
CY-NN050HGAV8V/H,NU7200,
CY-NN050HGAVDV/H,NU7090,
CY-NN050HGCV1V/H,NU7100,
CY-NN050HGNV1V/H,NU7100,
CY-NN050HGNV1V/H,NU7100,
CY-NN050HGNV6V/H,NU7090,
CY-NN050HGNVBV/H,NU7200,
CY-NN050HGNVEV/H,NU7200,
CY-NN050HGNVFV/H,NU7200,
CY-NN050HGNVJV/H,NU7090,
CY-NN050HGPV2V/H,NU7090,
CY-NN050HGPV3V/H,NU7090,
CY-NN055HGAV2V/H,NU7100,
CY-NN055HGEV1V/H,NU7100,
CY-NN055HGHV1V/H,NU7100
CY-NN055HGHV2V/H,NU7200
CY-NN055HGHV3V/H,NU7100

CY-NN055HGHV4V/H,NU7100
CY-NN055HGHV6V/H,NU7090
CY-NN055HGLV2Q,NU7100,Ba
CY-NN055HGLV2V/H,NU7100,
CY-NN055HGLV5K,RU7400,FL
CY-NN055HGLV6V/H,NU7090,
CY-NN055HGLV7V/H,NU7200,
CY-NN055HGLVDV/H,NU7090,
CY-NN055HGLVFQ,RU7400,Vo
CY-NN055HGLVFV/H,RU7400,
CY-NN055HGLVMV/H,RU7200,
CY-NN055HGLVN/V/H,RU7100,
CY-NN055HGLVXV/H,QBN,DER
CY-NN058HGNV1V/H,NU7100,
CY-NN058HGNV1V/H,NU7100,
CY-NN058HGNV2V/H,NU7100,
CY-NN065HGEV1V/H,NU7100,
CY-NN065HGEV1V/H,NU7100,
CY-NN065HGLV2A,NU7100,AR
CY-NN065HGLV2G,NU7100,SD
CY-NN065HGLV2V/H,NU7100,
CY-NN065HGLV3K,NU7400,VO
CY-NN065HGLV7V/H,NU7200,
CY-NN065HGLV8V/H,NU7090,
CY-NN065HGLVDV/H,RU7400,
CY-NN065HGLVKV/H,RU7100,
CY-NN065HGLVN/H,NU7000VJ
CY-NN065HGNV2V/H,NU7100,
CY-NN065HGNV7V/H,NU7200,
CY-NN065HGXF1V/H,NU7090F
CY-NN075FGLV1V/H,NU710D,
CY-NN075HGAV1V/H,NU7100,
CY-NN075HGAV2V/H,NU7200,
CY-NN075HGEV1V/H,NU7100,
CY-NN075HGEV1V/H,NU7100,
CY-NN075HGEV2V/H,NU7200,
CY-NN075HGEV6V/H,RU7100,
CY-NN075HGLV1V/H,NU7100,
CY-NN075HGLV2V/H,NU7200,
CY-NN075HGLV4V/H,NU7100,
CY-NN075HGLV5G,NU7100,SE
CY-NN075HGLV5V/H,NU7100,
CY-NN075HGLV6V/H,NU7100,
CY-NN075HGLVZV/H,QBN,DER
CY-NN075HGXF1V/H,NU7090,
CY-NN65HGEV2V/H,NU7200,W
CY-NR049HGLV1V/H,RU8000,

CY-NR049HGLVXH/V,QHR,BAS
CY-NR049HGLVYK,QMR,FOR S
CY-NR055FGLV1V/H,RU8000,
CY-NR055HGLVXH/V,QHR,BAS
CY-NR055HGLVYK,QMR,FOR S
CY-NR065FGLV1V/H,RU8000,
CY-NR065HGLVXH/V,QHR,BAS
CY-NR065HGLVZK,QBR,FOR S
CY-NR075FGLV1V/H,RU8000,
CY-NR075HGJV1V/H,RU7100,
CY-NR082FGLV1V/H,RU8000,
CY-NT065HGEV1V/H,TU8500,
CY-PK315BNLV5F,VF390,CUR
CY-PK340FNLV6F,CF791,BAS
CY-PK340FNLV7F,CJ791,BAS
CY-PK340FNLV7V/H,CJ791,B
CY-PM315CSLV3H(V),CHG70,
CY-PM490LSLV2V/H,CHG90,B
CY-PN270CGLV1V/H,CJG5,Cu
CY-PN430LN LV1V/H,CJ89,BA
CY-PN490LN LV2H/V,CJ89,BA
CY-PR236CGLV1F,CRG5,CURV
CY-PR236CGLV1V/H,CRG5,CU
CY-PR270DGLV1F,CRG5,BASI
CY-PR270DGLV1H,CRG5,CURV
CY-PR315HGLV1F,UR59C,CUR
CY-PR315HGLV1H/V,UR59C,C
CY-PR315HGLV2F,UR59C,CUR
CY-PR315HGLV2H/V,UR59C,C
CY-PR490LLL V1V/H,CRG9,19
CY-QJ048FLL V1V,JQ8500,BA
CY-QJ048FLL V5V,JS8500,
CY-QJ055FLL V1V,JQ8500,BA
CY-QJ055FLL V2V,JS8500,DE
CY-QJ065FLL V1V,JQ8500,BA
CY-QJ065FLL V2V,JS8500,DE
CY-QJ078FLL V1V/H,JS8600,
CY-QK049FLL V3V/H,KS7000,
CY-QK055FLAV2V/H,KS7000,
CY-QK055FLL V2V/H,KS7000,
CY-QK055FLL V3V/H,KS8000,
CY-QK060FLSV1V/H,KS700
CY-QK065FLAV1V/H,KS8000,
CY-QK065FLAV2V/H,KS7000,
CY-QK065FLL V2V/H,KS7000,
CY-QK065FLL V4V/H,KS8000,
CY-QK065FLL V7V/H,KS7000,

CY-QK075FLLV2V/H,KS8000,
CY-QK075FLNV1V/H,KS8000,
CY-QM055FLAV2V/H,Q7F,BAS
CY-QM055FLLV2V/H,Q7F,BAS
CY-QM055FLLV7V/H,Q7F,APP
CY-QM065FLAV1V/H,Q9F,BAS
CY-QM065FLAV2V/H,Q7F,BAS
CY-QM065FLAV4V/H,Q9F,APP
CY-QM065FLAV6V/H,Q7F,TD_
CY-QM065FLAV8V/H,Q7F,TD_
CY-QM065FLLV1V/H,Q9F,BAS
CY-QM065FLLV2V/H,Q7F,BAS
CY-QM065FLLV4V/H,Q7F,APP
CY-QM075FLAV1V/H,Q9F,BAS
CY-QM075FLAV2V/H,Q7F,BAS
CY-QN049HLLV1V/H,Q6F,BAS
CY-QN049HLLV2V/H,Q6F,COL
CY-QN049HLLV3V/H,Q6F,DEC
CY-QN055FLAV3V/H,Q7F,BAS
CY-QN055FLAV4V/H,Q7F,SLR
CY-QN055FLAV5V/H,Q6F,BAS
CY-QN055FLLV3V/H,Q7F,BAS
CY-QN055FLLV4V/H,Q7F,SLR
CY-QN055FLLV5V/H,Q6F,BAS
CY-QN055FLLV6V/H,Q6F,COL
CY-QN055FLLV8V/H,Q6F,APP
CY-QN055FLLV9V/H,Q7F,BAS
CY-QN055FLLV9V/H,Q7F,BAS
CY-QN065FLAV3V/H,Q7F,BAS
CY-QN065FLAV4V/H,Q7F,SLR
CY-QN065FLAV5V/H,Q6F,BAS
CY-QN065FLAV6V/H,Q6F,COL
CY-QN065FLLV3V/H,Q7F,BAS
CY-QN065FLLV4V/H,Q7F,SLR
CY-QN065FLLV5V/H,Q6F,BAS
CY-QN065FLLV6V/H,Q6F,COL
CY-QN075FLAV3V/H,Q7F,BAS
CY-QN075FLAV4V/H,Q7F,SLR
CY-QN075FLAV5V/H,Q6F,BAS
CY-QN075FLAV6V/H,Q6F,COL
CY-QN075FLLV1V/H,Q6F,BAS
CY-QN075FLLV2V/H,Q6F,COL
CY-QN075FLNV3V/H,Q7F,BAS
CY-QN075FLNV5V/H,Q6F,BAS
CY-QN075FLNV6V/H,Q6F,COL
CY-QN082FLLV1V/H,Q6F,BAS
CY-QN082FLLV2V/H,Q6F,COL

CY-QN082FLLV3V/H,Q6F,DEC
CY-QR032HGLV1V/H,Q50R,BA
CY-QR043HGEV1V/H,Q-FRAME
CY-QR055FGLV1K,Q-FRAME,F
CY-QR065FGLV1V/H,Q-FRAME
CY-RR043HGEV1V/H,Q60,BAS
CY-RR049HGEV1V/H,Q-FRAME
CY-RR049HGLV1V/H,Q60,BAS
CY-RR055FGLV1A,Q60,ARGEN
CY-RR055FGLV1Q,Q60,FOR B
CY-RR055FGLV1V/H,Q60,BAS
CY-RR055FGLV2V/H,Q60,SER
CY-RR065FGAV1V/H,Q60,BAS
CY-RR065FGLV1A,Q60,ARGEN
CY-RR065FGLV1V/H,Q60,BAS
CY-RR082FGLV1V/H,Q60,BAS
CY-RT043HGEV2H,QTQ60F,Co
CY-RT043HGEV1V,QLTS03M,B
CY-RT043HGEV2V,QLTS01N,B
CY-RT049HGLV1V,QLTS01N,B
CY-RT055FGAV1V,QLTS03M,B
CY-RT055FGLV1V/H,Q70T,BA
CY-RT055FGLV2H,QLTS01N,B
CY-RT055FGLV2H,QLTS01N,B
CY-RT055FGLV3H,QTQ70E,Co
CY-RT055HGLV1V/H,Q60T,BA
CY-RT058HGNV2H,QTQ60F,Co
CY-RT065FGAV1V,QLTS03M,B
CY-RT065FGLV1V/H,Q70T,BA
CY-RT065FGLV2H,QTQ70E,Co
CY-RT065GHGV2H,QTQ60F,C
CY-RT075FGAV1V,QLTS03M,B
CY-RT075FGLV2H,QTQ70E,Co
CY-RT075GHGV2H,QTQ60F,C
CY-RT085FGAV2H,QTQ70E,Co
CY-SH046DSLV4V/H,H7150
CY-SH055DSLV4V/H,H7150
CY-SH065DSLV4V/H,H7150
CY-SM049HLLV6V/H,MU7000,
CY-SM049HLLV9V/H,MU7000,
CY-SM055FLAV6V/H,MU7000,
CY-SM055FLAVAV/H,MU7000,
CY-SM055FLLV5V/H,MU8000,
CY-SM055FLLV6V/H,MU7000,
CY-SM055FLLVAV/H,MU7000,
CY-SM065FLAV5V/H,MU8000,
CY-SM065FLAV6V/H,MU7000,

CY-SM065FLAVAV/H,MU7000,
CY-SM065FLLV5V/H,MU8000,
CY-SM065FLLV6V/H,MU7000,
CY-SM065FLLAVV/H,MU7000,
CY-SM082FLLV3V/H,MU7000,
CY-SM082FLLV7V/H,MU7000,
CY-SM082FLLVBV/H,MU7000,
CY-SN049HLLV1V/H,NU8000,
CY-SN049HLLV5V/H,NU8000,
CY-SN049HLLV8V/H,NU8000,
CY-SN055FLAV1V/H,NU8000,
CY-SN055FLAV5V/H,NU8000,
CY-SN055FLHV1V/H,NU8000
CY-SN055FLLV1V/H,NU8000,
CY-SN055FLLV5V/H,NU8000,
CY-SN065FLAV1V/H,NU8000,
CY-SN065FLAV4V/H,NU8000,
CY-SN065FLLV1V/H,NU8000,
CY-SN065FLLV3V/H,NU8000,
CY-SN065FLLV4V/H,NU8000,
CY-SN065FLLV6V/H,NU8000,
CY-SN065FLLV8V/H,NU8000,
CY-SN065FLLVBV/H,NU8000,
CY-SN065FLLVCV/H,NU8000,
CY-SN075FLAV1V/H,NU8000,
CY-SN075FLAV3V/H,NU8000,
CY-SN075FLLV1V/H,NU8000,
CY-SN075FLLV3V/H,NU8000,
CY-SN075FLLV6V/H,NU8000,
CY-SN075FLLV6V/H,NU8000,
CY-SN075FLNV3V/H,NU8000,
CY-SN082FLLV1V/H,NU8000,
CY-SN082FLLV3A,NU8000,DE
CY-SN082FLLV3Z,NU8000,DE
CY-TJ055HGEV3V,JS6900,SU
CY-TJ055HGLV1V,JS7200,PT
CY-TJ060HGSV3V,JS6900,
CY-TN055FLAV2V/H,Q8FB,BA
CY-TN055FLAV3V/H,Q8F,LED
CY-TN055FLLV2V/H,Q8FB,BA
CY-TN065FLAV1V/H,Q9F,BAS
CY-TN065FLAV2V/H,Q8FB,BA
CY-TN065FLAV4V/H,Q9F,LED
CY-TN065FLAV5V/H,Q8F,LED
CY-TN065FLLV1V/H,Q9F,BAS
CY-TN065FLLV3V/H,Q8FB,BA
CY-TN065FLLV4V/H,Q9F,VRD

CY-TN065FLLV6V/H,Q9F,LED
CY-TN065FLLV7V/H,Q8F,LED
CY-TN075FLAV4V/H,Q9F,TRI
CY-TN075FLAV6V/H,Q8FB,TR
CY-TN075FLAV8V/H,Q9F,LED
CY-TN075FLAV9V/H,Q8F,LED
CY-TN075FLAVAH,Q8F,TRIAN
CY-TN082FLLV1V/H,Q8FB,BA
CY-TN085JLAV1V/H,Q9S,BAS
CY-TN085JLAV1V/H,Q9S,BAS
CY-TR049HLLV1V/H,Q70,BAS
CY-TR055FLAV2V/H,Q80,BAS
CY-TR055FLLV2V/H,Q80,BAS
CY-TR055FLLV3V/H,Q70,BAS
CY-TR055FLLV5V/H,Q80,BUI
CY-TR055FLLV6K,Q80,OC,L
CY-TR055JLLV1V/H,Q900RB,
CY-TR055JLLVDV/H,Q900RB,
CY-TR065FLAV1V/H,Q90,BAS
CY-TR065FLAV2V/H,Q80,BAS
CY-TR065FLAV9V/H,Q80,BUI
CY-TR065FLLV1V/H,Q90,BAS
CY-TR065FLLV3P,Q70,FOR S
CY-TR065FLLV3V/H,Q70,BAS
CY-TR065FLLV9V/H,Q80,BUI
CY-TR065FLLVAV/H,Q70,ADD
CY-TR065FLLVBV/H,Q80,BUI
CY-TR065JLLV1V/H,Q900RB,
CY-TR065JLLV1V/H,Q900RB,
CY-TR065JLLV2K,Q900RB,SE
CY-TR065JLLV5V/H,Q900RB,
CY-TR075FLAV1V/H,Q90,BAS
CY-TR075FLAV2V/H,Q80,BAS
CY-TR075FLAV3V/H,Q70,BAS
CY-TR075FLLV1V/H,Q90,BAS
CY-TR075FLLV2V/H,Q80,BAS
CY-TR075FLLV3V/H,Q70,BAS
CY-TR075FLLV8V/H,Q90,BAS
CY-TR075JLLV1P,Q900RB,FO
CY-TR075JLLV1V/H,Q900RB,
CY-TR075JLLV1V/H,Q900RB,
CY-TR075JLLV2K,Q900RB,SE
CY-TR075JLLV2V/H,Q900RB,
CY-TR075JLLV5K,Q900RB,Co
CY-TR075JLLV6V/H,Q900RB,
CY-TR075JLLVDV/H,Q900RB,
CY-TR082FLLV1V/H,Q90,BAS

CY-TR082FLLV2V/H,Q70,BAS
CY-TR082FLLV3V/H,Q90,CON
CY-TR082FLLV4V/H,Q80,BAS
CY-TR082JLLV3V/H,Q900RB,
CY-TR082JLLVZV/H,SHR-Q,B
CY-TR085FLAV1H,Q70,BASIC
CY-TR098JLLV1V/H,Q900RB,
CY-TR098JLLV5V/H,Q900RB,
CY-TR098JLLV6H,Q900RB,NO
CY-TT049HMLV1V/H,Q80T,Ba
CY-TT049HMLV1V/H,Q80T,Ba
CY-TT055FLAV5H/V,QTQ90C,
CY-TT065FMAV4H/V,QTQ80D,
CY-TT065JMLV4H/V,QTQ800B
CY-TT075FMLV4H/V,QTQ80D,
CY-TT075JMLV4H/V,QTQ800B
CY-TT082JMLV1V/H,Q800T,4
CY-TT085FMAV3H/V,QTQ80D,
CY-UM055FLAV4V/H,MU7500,
CY-UM055FLAV8V/H,MU7500,
CY-UM055FLLV4V/H,MU7500,
CY-UM055FLLV8V/H,MU7500,
CY-UM065FLAV4V/H,MU7500,
CY-UM065FLLV4V/H,MU7500,
CY-UN055FLAV1V/H,NU8500,
CY-UN055FLAV4V/H,NU8500,
CY-UN055FLLV1V/H,NU8500,
CY-UN055FLLV4V/H,NU8500,
CY-UN065FLAV4V/H,NU8500,
CY-UN065FLLV1V/H,NU8500,
CY-UN065FLLV3V/H,NU8500,
CY-UN065FLLV4V/H,NU8500,
CY-VH048DSLV2V,10 BIT,
CY-VH055DSLV2V,10 BIT,
CY-VH055FGLV1V,10 BIT,
CY-VH055FSLV1V,10 BIT,
CY-VH065DSLV2V,10 BIT,
CY-VH065FGLV1V,10 BIT,
CY-VH065FGLV2V,HU7200,
CY-VH065FSLV1V,10 bit,
CY-VH065FSLV5V,HU9000,
CY-VH078FSLV1V,8 bit,7
CY-VK040BGLV3V/H,K6300,D
CY-VK043HGAV3V/H,KU6500,
CY-VK049BGLV3V/H,K6300,D
CY-VK049HGLV3V/H,KU6500,

CY-VK055BGAV2V/H,K6300,D
CY-VK055BGLV1V/H,K6300,B
CY-VK055BGLV3V/H,K6300,D
CY-VK055BGLV5V/H,K6200,S
CY-VK055HGLV1V/H,KU6500,
CY-VK055HGLV3V/H,KU6500,
CY-VK055HGLV9V/H,KU6500,
CY-VK055HGLVAV/H,KU6500,
CY-VK065HGAV3V/H,KU6500,
CY-VK065HGLV1V/H,KU6500,
CY-VK065HGLV3V/H,KU6500,
CY-VK065HGLV6V/H,KU6500,
CY-VM065HGAV2V/H,MU6500,
CY-VM065HGAV5V/H,MU6500,
CY-WJ040FLLV1V,JU7500,BA
CY-WJ040HGLV1V,JU6700,BA
CY-WJ040HGLV7V,JU6700,IM
CY-WJ048FLLV1V,JU7500,Ba
CY-WJ048FLLV3V,JU7500,IM
CY-WJ048HGLV1V,JU6700,BA
CY-WJ048HGLV8V,JU6700,IM
CY-WJ050FLAV1V,JU7500,BA
CY-WJ055FLAV1V,JU7500,BA
CY-WJ055FLLV1V,JU7500,Ba
CY-WJ055HGLV1V,JU6700,BA
CY-WJ055HGLV4V,JU6670,BA
CY-WJ055HGLV7V,JU6700,SH
CY-WJ055HGLVAV,JU6670,SH
CY-WJ065FGAV1V,JU6700,BA
CY-WJ065FGAV3V,JU6670,CO
CY-WJ065FGAV5V,JU6700,SH
CY-WJ065FGAV7V,JU6670,SH
CY-WJ065FLAV1V,JU7500,BA
CY-WJ065FLAV2V,JU7500,DE
CY-WJ065FLLV1V,JU7500,Ba
CY-WJ065FLLV2V,JU7500,DE
CY-WJ065HGLV1V,JU6700,BA
CY-WJ065HGLV2V,JU6670,BA
CY-WJ065HGLV6V,JU6700,SH
CY-WJ065HGLV7V,JU6670,SH
CY-WJ078FLLV1V,JU7500,BA
CY-WJ078FLLV2V,JU7500,DE
CY-WK040HGLV1V,KU6300,BA
CY-WK049HGLV1F,KU6300,TS
CY-WK049HGLV1V,KU6300,BA
CY-WK049HGLV2V/H,KU6300,
CY-WK055HGAV1V,KU6300,BA

CY-WK055HGLV1V,KU6300,BA
CY-WK055HGLV1V,KU6300,BA
CY-WK055HGLV2V/H,KU6300,
CY-WK055HGLV4V/H,KU6300,
CY-WK055HGLV4V/H,KU6300,
CY-WK065HGAV1V,KU6300,BA
CY-WK065HGAV2V/H,KU6300,
CY-WK065HGAV3V/H,KU6300,
CY-WK065HGLV1V,KU6300,BA
CY-WK065HGLV2V/H,KU6300,
CY-WK065HGLV4V/H,KU6300,
CY-WK065HGLV8V/H,KU6300,
CY-WK078FGLV1V/H,KU6500,
CY-WK078FGLV3V/H,KU6500,
CY-WM055HGAV1V,MU6300,BA
CY-WM055GHGV1V,MU6300,B
CY-WM055GHGV2V/H,MU6300
CY-XJ048FLLV2V,JQ9000,DE
CY-XJ048FLLV5V,JS9000,
CY-XJ055FLLV2V,JQ9000,de
CY-XJ065FLLV2V,JQ9000,de
CY-XJ078FLLV1V/H,JS9000,
CY-XK049FLLV3F,KS7500,TS
CY-XK049FLLV3V/H,KS7500,
CY-XK055FLAV2V/H,KS7500,
CY-XK055FLAV4V/H,KS9000,
CY-XK055FLLV3V/H,KS7500,
CY-XK055FLLV4V/H,KS7500,
CY-XK055FLLV5V/H,KS9000,
CY-XK065FLAV2V/H,KS7500,
CY-XK065FLAV4V/H,KS9000,
CY-XK065FLAV7V/H,KS7500,
CY-XK065FLLV2V/H,KS7500,
CY-XK065FLLV3V/H,KS7500,
CY-XK065FLLV5V/H,KS9000,
CY-XK078FLLV2V/H,KS9000,
CY-XM055FLAV1V/H,Q8C,BAS
CY-XM055FLAV2V/H,Q7C,BAS
CY-XM055FLLV3V/H,Q8C,DES
CY-XM065FLAV2V/H,Q7C,BAS
CY-XM065FLAV6V/H,Q8C,TD_
CY-XM065FLAV7V/H,Q7C,TD_
CY-XM065FLLV2V/H,Q7C,BAS
CY-XM065FLLV3V/H,Q8C,DES
CY-XM075FLAV2V/H,Q8C,DES
CY-XN055FLAV2V/H,Q8C,BAS
CY-XN055FLLV2V/H,Q8C,BAS

CY-XN065FLLV2V/H,Q8C,BAS
CY-YJ065FLLV1V,JS9500,Ba
CY-YJ078FLLV1V,JS9500,BA
CY-YJ088FLLV1V,JS9500,BA
CY-YK065FLLV1V/H,KS9800,
CY-YK078FLLV1V/H,KS9800,
DH050CSA-B2,BHDBCA2,1128.80x65
DH500CGA-B1,BHDBCA1,1128.80x65
GJ050BGA-B2,BJGBBA2,1117.80x64
HF500BGA-B2,BFHBBAA1,1135.40x65
HF500BGM-C1,CFHBBM1,CFHBBM1,10
JJ032AGE-E2,EJJ4AE1,745.40x433
JJ032AGH-R1,RJJ4AH1,745.40x433
LK600D3HD3K,CY-DF600CG
LQ600D3HD7K,CY-LH060DS
LSF320HN02,CY-HF320BGL
LSF320HN03-G,CY-GH032B
LSF400HJ01,CY-DF400CSLV1
LSF400HM02,CY-HF400BGL
LSF400HM03-G,CY-GH040B
LSF460HN02,CY-HF460BGL
LSF460HQ02-G,CY-SH046D
LSF480HN01-G,CY-GH048B
LSF550HJ02,CY-DF550CSLV1
LSF550HQ03-G,CY-SH055D
LSF650HQ03-G,CY-SH065D
LSF750FF01-G,CY-KH075F
LSF750HL03-G,CY-GH075C
LSF750HL03-G,CY-SH075D
LSF850FJ01,CY-HF850GSL
LSF850FJ02-G,CY-HH085F
T650HVN05.1,CY-DF650CGAV
T650HVN05.1,CY-DF650CGAV
T650HVN05.7,CY-GH065CSAV
V400HJ6-MD1,NMJ6BN1,922.7X522.
V500HJ2-PE1,CY-HF500BGMV
V500HJ3-PE1,CY-GH050BGNV
V500HK3-PS1,CY-DH050CGNV