



IXYS

A Littelfuse Technology

PRODUCT CHANGE NOTIFICATION (PCN) # USA 2020 -004

IXYS HAS FOUND IT NECESSARY TO IMPLEMENT A PRODUCT CHANGE. THIS NOTIFICATION IS TO INFORM YOU OF THE CHANGE WHICH MAY AFFECT YOUR PRODUCT/S. IXYS REQUESTS A WRITTEN RESPONSE WITHIN 30 DAYS OF DATE OF THIS PCN. IF NO RESPONSE IS RECEIVED IXYS WILL CONSIDER THIS CHANGE APPROVED.

| | |
|--|--|
| SUBJECT: TO-3P Molding Compound Change | DOC-NUMBER: USA2020-004 |
| TYPE OF DOCUMENT: Notification of Change for Open Distribution; Customers, Distributors, Webpage | REVISION: Original release |
| <input checked="" type="checkbox"/> BILL OF MATERIAL <input type="checkbox"/> MANUFACTURING INSTRUCTION <input type="checkbox"/> DRAWING <input type="checkbox"/> OTHER | REVISION DATE: June 23, 2020 |

DESCRIPTION OF CHANGE: As previously communicated to our customers, Samsung SDI has decided to exit the EMC material business and as a result we have qualified an alternate molding compound for the TO-3P package.

Molding Compound

From: Samsung SL7300 HXM
To: Hysol MG15F-0140

Please refer to next page for the list of affected part numbers.

Below is the package qualification data for TO-3P using MG15F:

| TEST | CONDITION | ENDPOINT | DEVICE | PACKAGE | RESULT |
|-------------------|---------------------------------|------------|-----------------------------|---------|--------------|
| Temperature Cycle | JESD22-A104 (-55°C to 150°C) | 500 Cycles | IXGQ85N33PCD1 IXTQ76N25T | TO-3P | 0/30 0/30 |
| HAST | JESD22-A110 (125° C, 85% RH) | 96 hours | IXGQ85N33PCD1 IXTQ76N25T | TO-3P | 0/30 0/30 |
| Autoclave | JESD22-A102, 121°C/15 PSIG | 96 hours | IXGQ85N33PCD1 IXTQ76N25T | TO-3P | 0/30 0/30 |

Hysol MG15F is already qualified and has been in production on other IXYS package types for many years.

Shipments with the MG15F molding compound will begin starting with WW27.

REASON FOR CHANGE:

- | | | |
|--|--|---|
| <input type="checkbox"/> STANDARDIZATION | <input type="checkbox"/> UPGRADE | <input type="checkbox"/> PRODUCT SAFETY |
| <input type="checkbox"/> MARKET DEMAND | <input type="checkbox"/> CORRECTIVE ACTION | <input checked="" type="checkbox"/> OTHER |
| <input type="checkbox"/> TECHNICAL REQUIREMENT | MANAGEMENT DECISION | |

REMARKS: List of affected part numbers:

| | | | | |
|--------------|--------------|-------------|--------------|---------------|
| IXTQ75N10P | IXTQ250N075T | IXTQ36N30P | IXTQ90N15T | IXTQ220N055T |
| IXTQ110N10P | IXTQ80N28T | IXTQ26N60P | IXTQ52N30P | IXTQ220N075T |
| IXTQ140N10P | IXTQ160N085T | IXTQ450P2 | IXTQ30N50L2 | IXTQ230N085T |
| IXTQ96N15P | IXTQ130N10T | IXTQ69N30P | IXTQ30N50L | IXTQ240N055T |
| IXTQ120N15P | IXTQ50N20P | IXTQ88N28T | IXFQ34N50P3 | IXFQ26N50P3 |
| IXTQ150N15P | IXTQ280N055T | IXTQ44P15T | IXTQ44N50P | IXFQ22N60P3 |
| IXTQ74N20P | IXTQ200N10T | IXTQ32P20T | IXTQ82N25P | IXFQ28N60P3 |
| IXTQ96N20P | IXTQ110N055P | IXTQ26P20P | IXTQ102N15T | IXFQ60N25X3 |
| IXTQ120N20P | IXTQ86N25T | IXTQ52P10P | IXTQ130N20T | IXTQ60N20T |
| IXTQ42N25P | IXTQ150N06P | IXTQ36P15P | IXFQ50N60P3 | IXTQ60N10T |
| IXTQ64N25P | IXTQ96N25T | IXTQ90N15T | IXFQ12N80P | IXTQ40N50Q |
| IXTQ100N25P | IXTQ200N06P | IXTQ52N30P | IXTQ10P50P | IXTQ24N55Q |
| IXTQ88N30P | IXTQ62N15P | IXTQ30N50L2 | IXFQ60N50P3 | IXFQ80N25X3 |
| IXTQ26N50P | IXTQ30N60L2 | IXTQ30N50L | IXTQ32N65X | IXFQ20N50P3 |
| IXTQ36N50P | IXTQ180N085T | IXFQ34N50P3 | IXFQ24N60X | IXFQ10N80P |
| IXTQ18N60P | IXTQ30N50P | IXTQ44N50P | IXFQ30N60X | IXFQ140N20X3 |
| IXTQ22N60P | IXFQ14N80P | IXTQ82N25P | IXFQ60N60X | IXTQ32P20T |
| IXTQ30N60P | IXTQ16N50P | IXTQ102N15T | IXFQ50N60X | IXTQ26P20P |
| IXTQ23N60Q | IXTQ22N50P | IXTQ40N50Q | IXTQ14N60P | IXTQ52P10P |
| IXTQ152N085T | IXTQ60N20L2 | IXTQ24N55Q | IXTQ76N25T | IXTQ36P15P |
| IXTQ160N075T | IXTQ69N30PM | IXTQ36N30P | IXTQ130N15T | |
| IXTQ160N10T | IXTQ170N10P | IXTQ26N60P | IXTQ480P2 | IXGQ85N33PCD1 |
| IXTQ180N10T | IXTQ50N25T | IXTQ450P2 | IXTQ3N150M | IXXQ30N60B3M |
| IXTQ182N055T | IXTQ470P2 | IXTQ69N30P | IXFQ50N50P3 | IXGQ20N120B |
| IXTQ200N075T | IXTQ48N20T | IXTQ88N28T | IXTQ40N50L2 | IXYQ30N65B3D1 |
| IXTQ200N085T | IXTQ460P2 | IXTQ44P15T | IXFQ120N25X3 | IXYQ40N65B3D1 |
| IXFQ90N20X3 | IXFQ8N85X | IXFQ94N30P3 | IXTQ86N20T | IXYQ40N65C3D1 |
| IXFQ72N20X3 | IXTQ50N28T | IXTQ102N20T | IXTQ36N30P | |
| IXFQ170N15X3 | IXFQ24N50P2 | IXFQ72N30X3 | | |

PCN APPROVAL – For IXYS USE ONLY:

PCN Initiator: S. Daley

Date: 06/23/2020

REVIEWED BY:

Date:

Customer Notification Date:

PCN CLOSURE FOLLOW-UP:

(Email address)

Customer response: Yes (attached customer response approval), PCN closure No, PCN closure without customer response within 30 working days

by (Name):

Date:



PRODUCT CHANGE NOTIFICATION (PCN) # USA2020-004

- No response is required.**
- Customer Response is Required** – See Below

Company: _____

Date: _____

Name and Position: _____

Phone/Fax/e-mail: _____

Changes are:

- Accepted
- Not Accepted (please comment on reason for non-acceptance) use additional
- To be evaluated/more information is needed (please comment)

Comments:

WRITTEN RESPONSE MUST BE RECEIVED WITHIN 30 DAYS OF THE DATE OF THIS PCN. OTHERWISE IXYS WILL CONSIDER CHANGE APPROVED.

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