

**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.

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

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

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