



# IXYS

A Littelfuse Technology

## PRODUCT CHANGE NOTIFICATION (PCN) # USA 2020 -005

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-220FP Molding Compound Change	<b>DOC-NUMBER:</b> USA2020-005
<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> September 07, 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- 220FP package.

**Molding Compound**

**From:** Samsung SL7300 HXM  
**To:** KCC KTMC 3097GX

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

Below is the package qualification data for TO-220FP using KTMC 3097GX:

TEST	CONDITION	ENDPOINT	DEVICE	PACKAGE	RESULT
HTRB	MIL-STD-750-1 M1038 Method A; 125°C	500 hours	IXFP14N85XM	TO-220FP	0/30
HTGB	JESD22 A108; 150°C	1000 hours	IXFP14N85XM	TO-220FP	0/30
Temperature Cycle	JESD22-A104 (-55°C to 150°C)	1000 Cycles	IXFP14N85XM	TO-220FP	0/30
HAST	JESD22-A110 (130° C, 85% RH)	96 hours	IXFP14N85XM	TO-220FP	0/30
UHAST	JESD22-A118 (130° C, 85% RH)	96 hours	IXFP14N85XM	TO-220FP	0/30
Autoclave	JESD22-A102, 121°C/15 PSIG	96 hours	IXFP14N85XM	TO-220FP	0/30
IOL	MIL-STD-750 Method 1037	10.000	IXFP14N85XM	TO-220FP	0/24

**KCC KTMC is already qualified and has been in production on other IXYS package types.**

**Shipments with the KTMC 3097 molding compound will begin starting with WW40.**

**REASON FOR CHANGE:**

- STANDARDIZATION                       UPGRADE                       PRODUCT SAFETY  
 MARKET DEMAND                       CORRECTIVE ACTION                       OTHER  
 TECHNICAL REQUIREMENT                      MANAGEMENT DECISION

**REMARKS: List of affected part numbers:**

IXTP8N70X2M	IXTP18N60PM	IXFP34N65X2M	IXFP4N100QM
IXTP24N65X2M	IXTP8N50PM	IXFP36N20X3M	IXFP20N50P3M
IXTP32N65XM	IXTP7N60PM	IXFP72N30X3M	IXFP60N25X3M
IXTP8N65X2M	IXTP12N65X2M	IXFP38N30X3M	IXFP7N80PM
IXTP05N100M	IXTP20N65XM	IXFP90N20X3M	IXFP12N50PM
IXTP12N70X2M	IXTP4N70X2M	IXFP72N20X3M	IXFP05N100M
IXTP50N20PM	IXTP230N04T4M	IXFP56N30X3M	IXFP3N50PM
IXTP20N65X2M	IXTP60N10TM	IXFP8N85XM	IXFP8N50PM
IXTP14N60PM	IXFP14N85XM	IXFP18N65X2M	IXFP44N25X3M
IXTP10N60PM	IXFP22N65X2M	IXFP5N100PM	IXFP50N20X3M
IXTP12N50PM	IXFP12N65X2M	IXFP4N85XM	
IXTP16N50PM	IXFP4N100PM	IXFP30N25X3M	

**PCN APPROVAL – For IXYS USE ONLY:**

PCN Initiator: S. Daley

Date: 09/07/2020

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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