



PCN# : P6CJAAB
Issue Date : Mar. 08, 2017

DESIGN/PROCESS CHANGE NOTIFICATION

This is to inform you that a change is being made to the products listed below.

Unless otherwise indicated in the details of this notification, the identified change will have no impact on product quality, reliability, electrical, visual or mechanical performance and affected products will remain fully compliant to all published specifications. Products incorporating this change may be shipped interchangeably with existing unchanged products.

This change is planned to take effect in 90 calendar days from the date of this notification. Please work with your local ON Sales Representative to manage your inventory of unchanged product if your evaluation of this change will require more than 90 calendar days.

Please contact your local Customer Quality Engineer within 30 days of receipt of this notification if you require any additional data or samples.

Implementation of change:

Expected First Shipment Date for Changed Product :Jun. 06, 2017

Expected First Date Code of Changed Product :1724

Description of Change (From) :

Current APM19 leadframe supplier(Gotoh) use TMI Al cladding material.

Description of Change (To) :

APM19 leadframe supplier(Gotoh) use alternative KAWAI Al cladding material.

Reason for Change:

This change is for supplier chain flexibility improvement. There are no changes to the current approved assembly facilities or any other materials used to manufacture these products.



Affected Product(s):

F59314548D	F59318969D	FTCS120PS4PC
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Qualification Plan	Device	Package	Process	No. of Lots
Q20160813	FTCS120PS4PC	APM19		3

Test Description:	Condition:	Standard :	Duration:	Results:
Temperature Cycle	-40±5% 30min,+125±5%=30min Transition time=30sec max	JESD22-A104	1000 cycles	0/15
Low temp exposure	Ta: -40C	TRW's specific test requirement	120hrs	0/15
High temp exposure (after Low temp exposure)	Ta: 150C	TRW's specific test requirement	125hrs	0/15
Durability	Aluminium plate temp is allowed to fluctuate between 80C and 100C, current=120A, time=30sec, Frequency=20Hz, Duty cycle=33.3%,	TRW's specific test requirement	10000cycs	0/15
DPA	Per AEC-Q101-004	AEC-Q101-004	NA	0/6