

MACOM Technology Solutions, Inc.

4 East Gate Road,
Little Island,
Co. Cork,
Ireland.
www.macomtech.com



Apr 14th, 2020

Richardson RFPD, Inc.
1950 S. Batavia Ave, Suite 100
Geneva, Illinois 60134

ATTN: Quality/Purchasing Manager

Subject: Product marking workmanship improvement

PCN-01334

Dear Valued Customer:

Please accept this PCN letter as formal notification for the change of MACOM Technology Solutions part number(s) shown below.

M/A-COM Part Number(s):

MAFL-009463-CT0BTP	MAFL-009591-CT0BTP	MAFL-009592-CT0BTP	MAFL-009901-CT0BTP
MAFL-010004-CT0BTP	MAFL-010005-CT0BTP	MAFL-010006-CT0BTP	MAFL-010267-CT0BTP
MAFL-011011	MAFL-011031	MAFL-011032	MAFL-011033
MAFL-011034	MAFL-011035	MAFL-011036	MAFL-011047
MAFL-011048	MAFL-011049	MAFL-011050	MAFL-011051
MAFL-011052	MAFL-011053	MAFL-011054	MACP-011016
MACP-011017	MACP-011018	MACP-011019	MACP-011020
MAPD-011025	MACP-011023	MACP-011025	MACP-011027
MAPD-011029	MACPCT0031	MACPCT0032	MACPCT0037
MAFLCT0035	MAFLCT0036	MAFLCT0037	MAFLCT0038
MAFLCT0039	MAFLCT0040	MAFLCT0041	MAFLCT0042
MAFLCT0043	MAFLCT0044	MAFLCT0055	MAFLCT0056
MAFLCT0057	MAFLCT0058	MAFLCT0059	MAFLCT0060
MAFLCT0061	MAFLCT0064	MAFLCT0067	MAFLCT0079
MAPDCT0019	MAFL-009055-CD4254	MAMXES0117	MAPD-007246-ES4700
MAPDCT0028	MAFLCT0066	MAFL-007529-CD0550	MAFL-007988-CD0550
MAFL-008098-CD0550	MAVC-060103-132316	MAVC-060200-131871	MAVC-060200-132278
MAVC-200000-003237	MAVC-170000-001404	MAVC-110000-001802	

According to our records, one or more of these devices has been purchased by your company within the past twenty-four (24) months.

Technical details of this change notice follow on the next page(s).

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If there are any questions about this communication, please contact your local MACOM sales representative.

Sincerely,

Aidan Mulcahy

Commercial Marketing Manager
MACOM Technology Solutions Inc.

Email: [Aidan Mulcahy <aidan.mulcahy@macom.com>](mailto:Aidan.Mulcahy@macom.com)

PCN Number: PCN-01334

PCN Date: Apr 14th, 2020

Title: Product workmanship improvement.

The change is to use laser marking instead of ink printing on the cover of affected products.

Proposed 1st Ship Date:

As soon as customer approved.

Estimated Sample Availability:

50 Samples available immediately if required.

Change Type:

Assembly Site	Design	Electrical Specification
Test Site	Assembly Process X	Mechanical Specification
Test Process	Assembly Material	Packing/Shipping/Labeling

PCN Details

Description of Change:

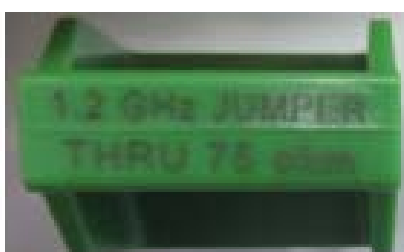
Using laser marking for cover printing help reduce the use of hazardous material on our products and is one of MACOM effort to maintain environment sustainability business. Trials show no negative effect on both cosmetic and reliability of new products.

Below just show a couple of representative examples to demonstrate the cosmetic difference:

Ink Print



Laser Marking



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**Reason for Change:**

Reduce the usage of hazardous chemical during printing process.

Products: Affected:

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MAFL-011011	MAFL-011031	MAFL-011032	MAFL-011033
MAFL-011034	MAFL-011035	MAFL-011036	MAFL-011047
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MAVC-200000-003237	MAVC-170000-001404	MAVC-110000-001802	

Anticipated impact on Fit, Form, Function:

Fit, Function and outline dimensions unaffected.

Changes to product identification resulting from this PCN:

None

Qualification: Reliability Test.

- a) Steam-age test (with Temp: 85C, Humidity: 95%, Dwell time=8 hours)
- b) High temp & humidity storage (with Temp: 55C, Humidity: 95%, Dwell time=72 hours)
- c) Salt spray test 24h.

Setting salt spray test as below:

Brine Temperature	35±1 degree
Salt Concentration	5% ±1% (NaCl)
Air Pressure	1.00 ± 0.01kgf/cm2
Spray Volume	1.5
Testing Room Relative Humidity	85%
PH	7
Spray Time	24h
Cleaning after testing	Distilled water
Sample size	10pcs each cover

→ All Passed (see below attached report)

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Reliability test
report.xlsx