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July 12th, 2016

Digi-Key Corporation
701 Brooks Ave South #
Thief River Falls, Minnesota USA 56701

ATTN: Quality/Purchasing Manager

Subject: shipping folder change

PCN #: PCN-00894

Dear Valued Customer,

Please accept this PCN letter as formal notification of the change to the MACOM part numbers shown below. Our records show that your company has purchased these products in the past 24 months.

MACOM Part Numbers: see attached list on the next page(s).

SCHEDULE: October 3rd, 2016

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

Sincerely,

Zhuyi Wang
Principal Quality Assurance Engineer
M/A-COM Technology Solutions, Inc.
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PCN Number: PCN-00894		PCN Date: July 12 th , 2016
Title: shipping folder change		
Proposed first Ship Date: October 3 rd , 2016		Estimated Sample Availability
Proposed last Ship Date:		Qualification Completion: June 14 th , 2016
Change Classification: Major <input type="checkbox"/>		Minor <input checked="" type="checkbox"/>
Change Type:		
Assembly Site <input type="checkbox"/>	Design <input type="checkbox"/>	Electrical Specification <input type="checkbox"/>
Test Site <input type="checkbox"/>	Assembly Process <input type="checkbox"/>	Mechanical Specification <input type="checkbox"/>
Test Process <input type="checkbox"/>	Assembly Materials <input type="checkbox"/>	Packing/Shipping/Labeling <input checked="" type="checkbox"/>
PCN Details		
Description of Change:		
Shipping folder (MACOM P/N ZZ00000289) change for some of the MACOM power transistor products.		
Reason for Change:		
The new shipping folder will provide better protection against parts dislodging during transit and likely resultant mechanical damages.		
Products Affected:		
MACOM Part Numbers: See attached list on the next page(s).		
Anticipated impact on Fit, Form, Function:		
The new shipping folder has passed first article inspection, drop test, and ESD evaluation and is deemed suitable for MACOM power transistor products and will have no effect in the form, fit, function, or reliability of MACOM power transistor products affected by this change. Please refer to attached test results for details.		
Changes to product identification resulting from this PCN:		
See attached Appearance and Drawing of New Shipping Folder vs. Existing One.		
Material Declaration updated due to this change:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>

MACOM Part Numbers Affected by This Change

No	Part Number	New Pack Size Qty	Current Pack Size QTY	Package
1	DU28120V	20	30	IAT
2	DU2840V	20	30	IAT
3	DU2880V	20	30	IAT
4	MAPH-009393-000000	20	30	BIPOLAR
5	MAPHST0003	20	30	BIPOLAR
6	MAPHST0008	20	30	BIPOLAR
7	MAPHST0010	20	30	BIPOLAR
8	MAPHST0034	20	30	BIPOLAR
9	MAPHST0045	20	30	BIPOLAR
10	MAPHST0048	20	30	BIPOLAR
11	MAPHST0049	20	30	BIPOLAR
12	MAPHST0063	20	30	BIPOLAR
13	MAPHST0083	20	30	BIPOLAR
14	MAPHST0084	20	30	BIPOLAR
15	MAPHST0086	20	30	BIPOLAR
16	MAPR-000912-500S00	20	30	BIPOLAR
17	MAPR-001011-850S00	20	30	BIPOLAR
18	MAPR-001090-350S00	20	30	BIPOLAR
19	MAPRST0912-350	20	30	BIPOLAR
20	MAPRST0912-50	20	30	BIPOLAR
21	MAPRST1030-1KS	20	30	BIPOLAR
22	MAPRST1214-150UF	20	30	BIPOLAR
23	MRF10031	20	30	IAT
24	MRF10120	20	30	IAT
25	MRF10150	20	30	IAT
No	Part Number	New Pack Size Qty	Current Pack Size QTY	Package
26	MRF10350	20	30	IAT
27	MRF10502	20	30	IAT
28	MRF136Y	20	30	IAT
29	MRF166C	20	30	IAT
30	MRF166W	20	30	IAT
31	MRF175LU	20	30	IAT
32	MRF177	20	30	IAT
33	MRF275L	20	30	IAT
34	MRF392	20	30	IAT
35	MRF393	20	30	IAT
36	PH0810-4	20	30	BIPOLAR
37	PH1090-175L	20	30	BIPOLAR
38	PH1090-350L	20	30	BIPOLAR
39	PH1090-550S	20	30	BIPOLAR
40	PH1090-75L	20	30	BIPOLAR
41	PH1214-100EL	20	30	BIPOLAR
42	PH1214-110M	20	30	BIPOLAR
43	PH1214-220M	20	30	BIPOLAR
44	PH1214-300M	20	30	BIPOLAR
45	PH1214-55EL	20	30	BIPOLAR
46	PH1214-80M	20	30	BIPOLAR
47	PH1617-30	20	30	BIPOLAR
48	PH1617-60	20	30	BIPOLAR
49	PH2226-110M	20	30	BIPOLAR
50	PH2226-50M	20	30	BIPOLAR

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No	Part Number	New Pack Size Qty	Current Pack Size QTY	Package
51	PH2729-110M	20	30	BIPOLAR
52	PH2729-130M	20	30	BIPOLAR
53	PH2729-25M	20	30	BIPOLAR
54	PH2729-65M	20	30	BIPOLAR
55	PH2729-8.5M	20	30	BIPOLAR
56	PH2731-20M	20	30	BIPOLAR
57	PH2731-5M	20	30	BIPOLAR
58	PH2731-75L	20	30	BIPOLAR
59	PH2856-160	20	30	BIPOLAR
60	PH2931-135S	20	30	BIPOLAR
61	PH2931-20M	20	30	BIPOLAR
62	PH2931-5M	20	30	BIPOLAR
63	PH3134-20L	20	30	BIPOLAR
64	PH3134-25M	20	30	BIPOLAR
65	PH3134-30S	20	30	BIPOLAR
66	PH3134-55L	20	30	BIPOLAR
67	PH3134-65M	20	30	BIPOLAR
68	PH3135-20M	20	30	BIPOLAR
69	PH3135-25S	20	30	BIPOLAR
70	PH3135-5M	20	30	BIPOLAR
71	PH3135-65M	20	30	BIPOLAR
72	PH3135-90S	20	30	BIPOLAR
73	PH8891	20	30	BIPOLAR
74	PH8911	20	30	BIPOLAR
75	PH8981	20	30	BIPOLAR

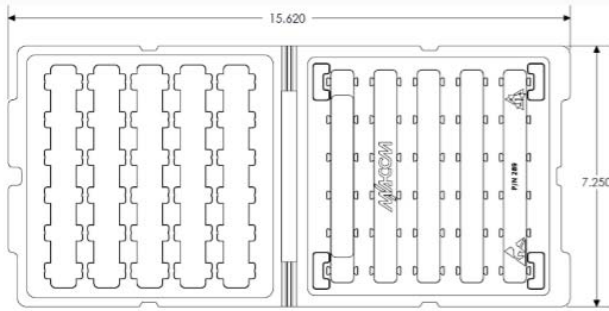
Appearance and Drawing of New Shipping Folder vs. Existing One



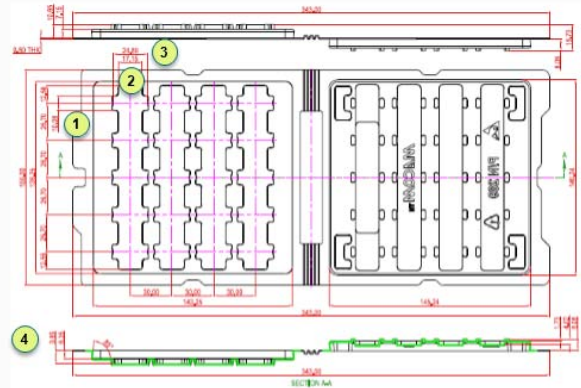
Current Design



New Design



Current Design



New Design

New Shipping Folder First Article Inspection Result

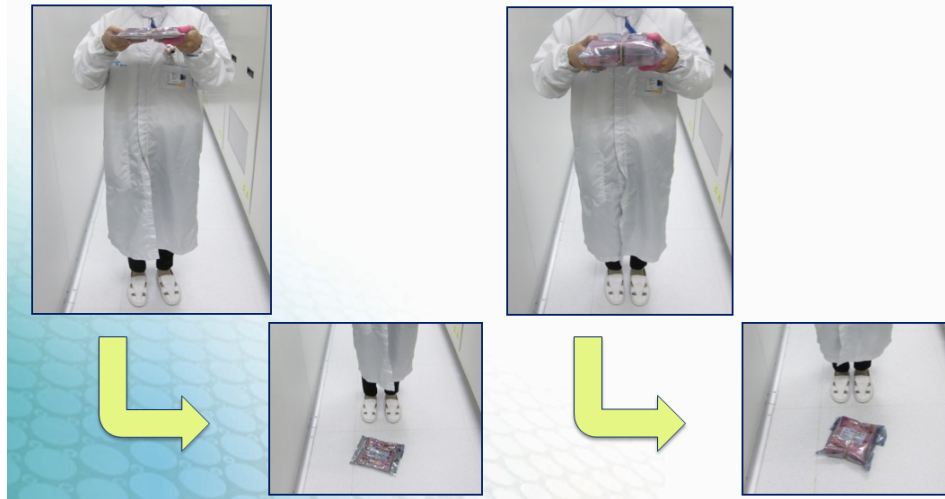
ITEM	DIMENSION OF SLOT (mm)			DIMENSION OF DEPTH (mm)
	(1) Width (10.08±0.50)	(2) Length (A) (17.15±1.00)	(3) Length (B) (24.89±1.00)	(4) Depth (9.85±0.50)
1	10.37	17.68	25.33	10.18
2	10.24	17.42	25.64	10.12
3	10.12	17.45	25.76	9.98
4	10.25	17.56	25.48	9.95
5	10.34	17.68	25.54	10.13
6	10.28	17.71	25.65	10.08
7	10.33	17.34	25.78	10.21
8	10.42	17.55	25.46	10.14
9	10.16	17.82	25.81	9.97
10	10.27	17.48	25.46	10.05

ESD Evaluation of New Shipping Folder vs. Existing One

TRAY P/N# Z00000289 (OLD)	Spec. Less than 100 volt/Inch					
	Tray#	Point# 1	Point# 2	Point# 3	Point# 4	Point# 5
	1	30	40	30	30	30
	2	30	30	30	40	30
	3	30	30	30	30	30
	4	30	30	20	30	20
	5	30	30	30	30	40
	6	30	30	30	40	30
	7	40	30	20	30	30
	8	30	30	30	40	40
	9	30	30	20	20	20
	10	30	30	30	40	30
TRAY P/N# Z00000289 (NEW)	Spec. Less than 100 volt/Inch					
	Tray#	Point# 1	Point# 2	Point# 3	Point# 4	Point# 5
	1	20	30	20	20	20
	2	30	20	10	20	20
	3	30	20	20	10	20
	4	20	20	30	20	20
	5	20	20	20	20	30
	6	20	30	20	20	20
	7	20	20	20	20	20
	8	30	20	20	10	20
	9	20	20	20	20	30
	10	30	30	20	20	30

Drop Test Result of New Shipping Folder

1. Put the parts into tray and close with cover.
2. Wrap with the rubber and bubble sheet.
3. Drop test height 80 cm. Drop test 3-times on hard floor.
4. After drop test, open the cover tray and inspect tray and units



- Trays are not damaged.
- The parts have no movement and no bent leads.

So this tray has passed “ Drop test “ and protects parts from dislodging and bent leads.

