

M/A-COM Technology Solutions Inc.
1500 Hughes Way, Suite C-100
Long Beach, California 90810
+1 (310) 320-6160
www.macom.com



September 30th, 2016

ATTN: Quality/Purchasing Manager

Subject: shipping folder change

PCN #: PCN-00920

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: November 30th, 2016

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

Sincerely,

Zhuyi Wang
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PCN Number: PCN-00920		PCN Date: September 30 th , 2016
Title: shipping folder change		
Proposed first Ship Date: November 30 th , 2016		Estimated Sample Availability Qualification Completion: September 2 nd , 2016
Proposed last Ship Date:		
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 ZZ00000288) 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

Affected MACOM Products	Description
DU1260T	Transistor,Mosfet,60W,12V,2-175MHz
DU2860T	Transistor,Mosfet,60W,28V,175MHz
MAPFST0010	Transistor,Screened,DU2860U,NGC
MAPK-008520-000000	Transistor,150W,30-30.001 MHz
MAPK011000	Transistor,<200MHz,30V,28W
MAPKST0014	Transistor,150W_PEP,30MHz,50V
MAPKST0025	Transistor, Rockwell, SCD 352-8530-020
MRF141H	Transistor,175MHz,28V,150W,Mosfet
MRF455R	Transistor,<30MHz,12.5V,80W
PH8863	Transistor,Westinghouse,SCD#1A20861,BP
PH8900	Transistor,ITT,SCD#G390361,Bipolar
PH8900-2	Transistor,ITT-Gil,SCD#G390366S2,Bipolar
PH8961	Transistor, Lockheed Martin,SCD#MH42761
PH9061	Transistor, Motorola, Bipolar
PH9143	Transistor, Northrup/Grumman, Bipolar
RF2103	Transistor,ITT-Aerospace,SCD#A3012701-3
RF2252	Transistor,ITT,Aerospace,SCD#A3012701-2
SRF3685	Transistor,<30MHz
SRF3848	Bipolar,1025-1150MHz,36V,60pk
2N6439	Transistor,225-400MHz,28V,60W
DU1215S	Transistor,Mosfet,15W,12V,2-175MHz
DU2805S	Transistor,Mosfet,5W,28V,2-175 MHz
DU2810S	Transistor,Mosfet,10W,28V,2-175MHz
DU28120T	Transistor,Mosfet,120W,28V,2-175_MHz
DU2820S	Transistor.Mosfet,20W,28V,2-175MHz
DU2820SUB	Transistor,Mosfet,20W,28V,2-175MHz
DU2840S	Transistor,Mosfet,40W,28V,2-175MHz
DU2860U	Transistor.Mosfet,60W,28V,2-175MHz
DU2880T	Transistor,Mosfet,80W,28V,2-175MHz
DU2880U	Transistor,Mosfet,RF,80W,28V,2-175_MHz
MAPF-011002	Transistor,<175MHz,50V,150W,GM Bins E,F
MRF134	Transistor,<400MHz,28V,5W
MRF136	Transistor,<400MHz,28V,15W
MRF137	Transistor,<400MHz,28V,30W,TMOS
MRF140	Transistor,150MHz,28V,150W,Mosfet

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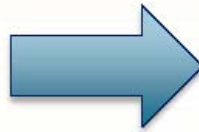
*Partners from RF to Light*

Affected MACOM Products	Description
MRF141	Transistor,175MHz,28V,150W,Mosfet
MRF148A	Transistor,175MHz,50V,30W
MRF150	Transistor,150W,<175MHz,50V
MRF150J	Transistor,150W,<175MHz,50V
MRF151	Transistor,<175MHz,50V,150W
MRF151A	Transistor,<175MHz,50V,150W,CuMollyPkg
MRF171A	Transistor,<150MHz,28V,45W
MRF173	Transistor,<175MHz,28V,80W,TMOS
MRF173CQ	Transistor,80W,<175MHz,28V,
MRF174	Transistor,150W,<200MHz,28V,TMOS
MRF314	Transistor,<200MHz,30V,28W
MRF316	Transistor,<200MHz,28V,80W
MRF317	Transistor,<200MHz,28V,300W
MRF327	Transistor,100-500MHz,28V,80W
MRF421	Transistor,<30MHz,12.5V100W
MRF422	Transistor,150W,30MHz,28V
MRF426	Transistor,<300MHz,28V,25W
MRF428	Transistor,25W,30MHz,28V
MRF429	Transistor,<30MHz,50V,150W
MRF448	Transistor,<30MHz,50v,250W
MRF454	Transistor,<30MHz,12.5V,80W
MRF455	Transistor,<30MHz,12.5V,80W
RF2347	Transistor, Tadiran, Mosfet
SRF4247	Transistor,<30MHz,50V,150pk

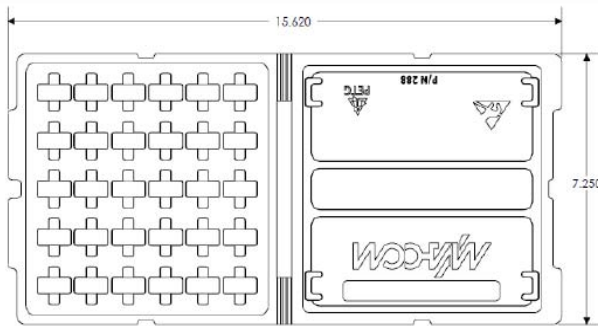
Appearance and Drawing of New Shipping Folder vs. Existing One



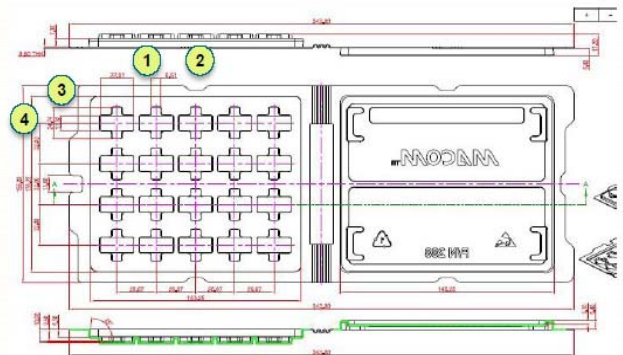
Current Design



New Design



Current Design



New Design

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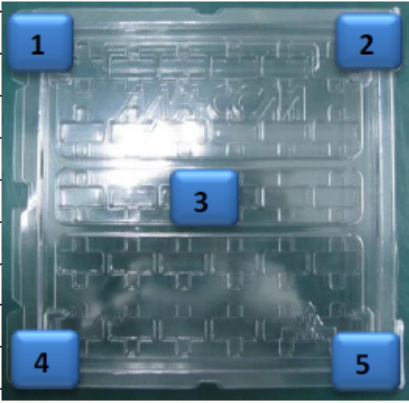



Partners from RF to Light

New Shipping Folder First Article Inspection Result

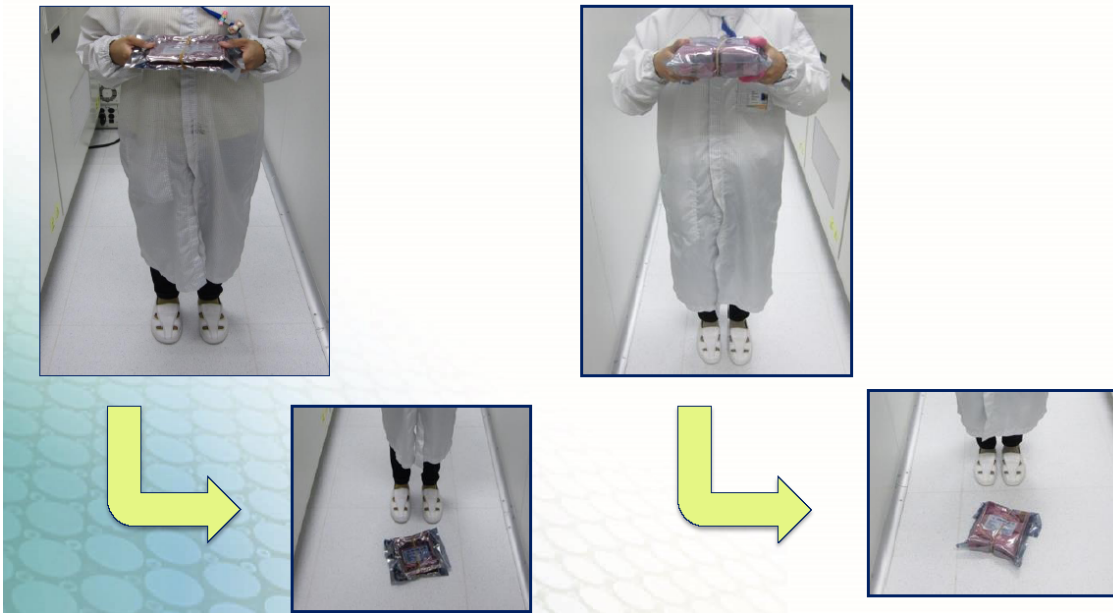
Item	Point 1	Point 2	Point 3	Point 4
DWG	22.81±0.635	6.61±0.635	11.92±0.635	24.74±0.635
Min- Max	22.175-23.445	5.975-7.245	11.285-12.555	24.075-25.375
1	23.12	6.89	12.32	25.08
2	23.12	6.89	12.27	24.99
3	23.04	6.65	12.27	25.07
4	23.14	6.69	12.41	24.98
5	23.03	6.79	12.36	24.96
6	23.01	6.88	12.25	24.88
7	23.13	6.90	12.08	25.07
8	23.06	6.92	12.22	25.01
9	23.08	6.90	12.38	24.97
10	23.16	6.92	12.23	25.05
Min	23.01	6.65	12.08	24.88
Max	23.16	6.92	12.41	25.08

ESD Evaluation of New Shipping Folder vs. Existing One

TRAY P/N#Z00000288(OLD)		Spec. Less than100 volt/Inch					
		Tray#	Point#1	Point#2	Point#3	Point#4	Point#5
	1	1	6	7	5	5	5
	2	2	5	5	5	5	6
	3	3	6	5	8	5	5
	4	4	6	8	5	6	5
	5	5	5	5	7	5	7
	6	6	8	5	5	8	6
	7	7	7	5	7	5	5
	8	8	5	5	5	7	7
	9	9	5	8	8	5	6
	10	10	5	5	6	5	5
TRAY P/N#Z00000288(NEW)		Spec. Less than100 volt/Inch					
		Tray#	Point#1	Point#2	Point#3	Point#4	Point#5
	1	1	5	5	6	5	5
	2	2	7	7	5	5	5
	3	3	5	5	6	5	6
	4	4	6	6	5	6	7
	5	5	5	5	5	5	6
	6	6	5	5	5	7	7
	7	7	8	5	5	5	6
	8	8	5	5	7	5	5
	9	9	7	6	6	5	6
	10	10	8	8	5	5	5

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.

