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



Nov 20th 2017

ATTN: Quality/Purchasing Manager

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

Subject: Alternative Core Supplier.

PCN-01070

Dear Valued Customer:

Please accept this PCN letter as formal notification for the change of M/A-COM Technology Solutions part number(s) shown below.

The device(s) listed on this page are the affected device(s).

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

M/A-COM Part Number(s):

MABA-008757-CT1160 MABA-010245-CT1160

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

Please contact me if you have any questions.

Sincerely,

Alan Miller

Product Line Manager (CATV) M/A-COM Technology Solutions

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Email: alan.miller@macom.com

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PCN Number: PCN-01070 PCN Date: Nov 18th 2017

Title: Addition of second source Ferrite Core supplier for P/N due to the original supplier no longer supporting the current cores used for the following parts:

• MABA-008757-CT1160

MABA-010245-CT1160

Proposed 1st Ship Date: Estimated Sample Availability:

Feb 17th 2018 Samples available upon request.

Change Type:

Assembly Site Design Electrical Specification

Test Site Assembly Process Mechanical Specification

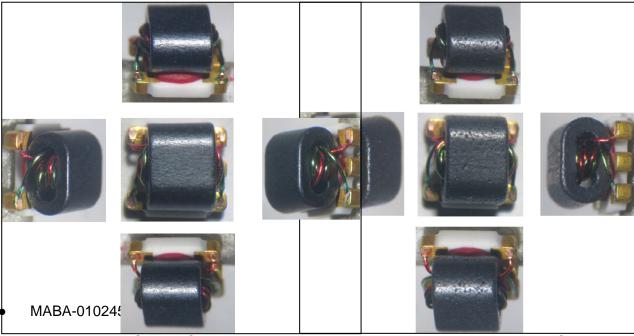
Test Process Assembly Materials X Packing/Shipping/Labeling

Description of Change:

MACOM has identified a second source for the cores used on the following parts:

MABA-008757-CT1160

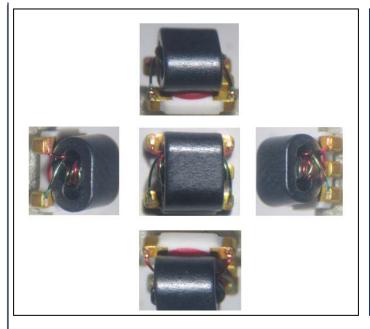
Current Core Alternative Core



Current Core Alternative Core

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Reason for Change:

Addition of second source for ferrite core required to ensure consistency of supply chain.

Products Affected:

- MABA-008757-CT1160
- MABA-010245-CT1160

Anticipated impact on Fit, Form, Function:

Form, Fit and Function unaffected.

Changes to product identification resulting from this PCN: None

Qualification: Test Results

A functional comparative analysis was performed which showed no significant shift in electrical parameters between transformers using the current and second source supplied core

See Appendix I: MABA-008757-CT1160 and MABA-010245-CT1160 Test Data.

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Appendix I MABA-008757-CT1160 insertion_loss_pin_4_3 insertion_loss_pin_4_1 insertion_loss_pin_4_3_Existing Core insertion loss pin 4-1 New Core ₽ 쁑 -insertion loss pin 4 3 New Core insertion_loss_pin_4_1_1 xisting (.ore -Low Spec -low Spec -High Spec -h 500 1000 1500 2000 2500 3000 Frequency (MIIz) Frequency (MHz) amplitude_balance phase_balance 1.5 1 -150 amplitude balance New Core e -1/0 phase balance New Core ŧ amplitudc_balancc_Existing Corc - phase_balance_Existing Core -190 -0.5 -Low Spec -High Spec - High Spec 210 -1 -1.5 500 1000 1500 2000 2500 3000 3500 500 1000 1500 2000 2500 3000 3500 Frequency (MHz) Frequency (MHz) input_return_loss_pin_4 -10 -input_return_loss_pin_4_New Core 15 input return loss pin 4 Existing ₽ 25 -Low Spec 30 -35 --- High Spec 40 -45 1000 1500 3000 3500 Frequency (MHz)

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