



DEFENSE LOGISTICS AGENCY
DEFENSE SUPPLY CENTER, COLUMBUS
3990 E. BROAD ST.
COLUMBUS, OH 43218-3990

IN REPLY
REFER TO

DSCC-VAT

18 November 2008

MEMORANDUM FOR VSS

SUBJECT: Engineering Practice (EP) Study: Change in lead thickness dimension.
Project Number: 5905-2008-086.

Findings and recommendations on Engineering Practices Study, dated 18 November 2008, and attachments are enclosed.

It is requested that your office take the necessary electronic action to reflect completion of these projects.

Any questions can be directed to Andrew R. Ernst via email at Andrew.Ernst@dla.mil or by phone at DSN 850-0552.

SIGNED

Michael Radecki
Chief
Electronic Components Branch

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ENGINEERING PRACTICE STUDY
TITLE: CHANGE INLEAD THICKNESS DIMENSION

18 November 2008

STUDY PROJECTS (SEE ATTACHMENT 1)

FINAL REPORT

Prepared by:

Andrew Ernst

ENGINEERING PRACTICE STUDY

Change in lead thickness dimension.

18 November 2008

Project 5905-2008-086

I. OBJECTIVES: The objective of this EPS study was to research effects on changing the lead thickness dimension of MIL-PRF-22684/8 (RL42...TX).

II. BACKGROUND: The manufacturer of RL42...TX requested this change due to the extra steps they must go through to complete the lead thickness dimension. This resistor is built off the same line as the MIL-R-22684/4 (RL42) resistor, which is inactive for new design, and is superseded by the RL42...TX resistor. The RL42...TX must go through extra tinning step to meet the .043 inch dimension that is required, while the RL42 dimension is .040 inch.

III. RESULTS: A survey letter was sent out to all military and Original Equipment Manufacturers who have expressed interest in this specification about this request. DSCC received no negative responses.

IV. CONCLUSIONS: As a result from receiving no negative responses to the change to the lead thickness dimension survey, the lead thickness will be changed to .040 minimum.

V. RECOMMENDATIONS: DSCC recommends that in amendment 1 of MIL-PRF-22684/8 (Project 5905-2008-074), the lead thickness dimension be changed to .040 minimum from the existing .043.