

TMC SPECIFICATION

NO. S1408

REV:

COMPILED: R. Uzzo

CHECKED:

APPD:

SHEET

1

OF 5

TITLE: Configuration Item Verification Review CIVR Validation Report

CONFIGURATION ITEM VERIFICATION

REVIEW (CIVR) VALIDATION REPORT

TMC SPECIFICATION

NO. S1408

REV:

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TITLE: Configuration Item Verification Review CIVR

1. PURPOSE:

TO ASSURE THAT THE PARTS, MATERIALS AND PROCESSES USED IN SM-D-586746 ASSEMBLY ARE THOSE SPECIFIED ON THE GOVERNMENT FURNISHED DRAWINGS OR SPECIFICATIONS.

2. COMPLIANCE

ALL COMPONENTS USED IN THE MANUFACTURE OF SM-D-586746 (POST TRIGGER GENERATOR ASSEMBLY) MEET THE REQUIREMENTS STATED ON DRAWING PL SM-B-586746. FOR EACH COMPONENT USED A CERTIFICATE OF COMPLIANCE IS AVAILABLE ALONG WITH TMC'S PURCHASE ORDER ON ALL MATERIALS.

3. INCOMING MATERIAL CONTROL PROCEDURES

ALL MATERIAL IS COMPARED WITH THE RECEIVING REPORT. VERIFICATIONS OF VENDOR, QUANTITIES, PART NUMBERS AND ACCURACY OF CERTIFICATES OF COMPLIANCE IS REVIEWED.

BEFORE MATERIALS ARE ISSUED ON THE PRODUCTION FLOOR A SAMPLING TEST OF MATERIALS IS PERFORMED.

3. a. PRINTED WIRING BOARD SM-D-586646 WAS INSPECTED IN ACCORDANCE WITH GOVERNMENT SUPPLIED DRAWINGS (SM-D-586646 SHEETS 1, 2 AND 3) ALSO MIL-STD-252B PAGES 15, 16 AND 17.

RESISTORS R1 and R2 HAVE BEEN INSPECTED USING THE INSPECTION METHOD (REF MIL-STD-105) TMC STANDARD QA 3008.

CAPACITORS C1, C2, C3 and C4 HAVE BEEN INSPECTED, EMPLOYING THE SAME METHOD AS STATED ABOVE.

M21097/15-13 (P1) CONNECTOR WAS INSPECTED, USING AS A GUIDE AMP SPECIAL INDUSTRIES PRODUCT BULLETIN 703-3 PRINTED CIRCUIT & ELECTRONIC PACKAGING PRODUCTS.

CONNECTOR SM-C-586461 WAS INSPECTED IN ACCORDANCE WITH THE GOVERNMENT SUPPLIED DRAWING SM-C-586461

ALL THE INTERGRADED CIRCUTES U1 THROUGH U15 WERE EXAMINED, USING THE INSPECTION METHOD (MIL STANDARD 105) TMC STANDARD QA 3008, AND MIL STANDARD 454 REQUIREMENT 64.

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4. ASSEMBLING PROCEDURE

ALL COMPONENT PARTS FOR THE (POST TRIGGER GENERATOR ASSEMBLY) ARE ASSEMBLED AS PER DRAWING SM-D-586746. ALL COMPONENTS ARE HAND SOLDERED, IN ACCORDANCE WITH MIL STD 454 REQUIREMENT 5 AND THE METHOD OF ASSEMBLY CONFORMS WITH "GENERAL REQUIREMENTS FOR CIRCUIT CARD ASSEMBLIES" SM-A-595922.

5. MARKING PROCESS

MARKING PROCESS CONFORMS TO MIL-M-13231A, AS NOTED ON ASSEMBLY DRAWING SM-D-5864746, NOTE 4.

6. CONFORMAL COATING

CONFORMAL COATING PROCESS CONFORMS TO SM-A-587204 AND TMC SPECIFICATION S1394.

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CONFIGURATION ITEM VERIFICATION REVIEW (CIVR)

TOOK PLACE AT:

THE TECHNICAL MATERIEL CORPORATION
700 FENIMORE ROAD
MAMARONECK, NEW YORK 10543

DATE _____

WITNESSED BY:
TMC REPRESENTATIVE

WITNESSED BY:
GOVERNMENT REPRESENTATIVE

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FOR THE POST TRIGGER GENERATOR ASSEMBLY (SMD586746)

7. CONTRACTOR TESTING

FIRST ARTICLE APPROVAL CONTRACTOR TESTING WAS PERFORMED JANUARY 20, 1983 FOR THE POST TRIGGER GENERATOR ASSEMBLY SMD586746. TEST SPECIFICATION SMA635374 WAS USED AS A GUIDE FOR TESTING. NO DISCREPANCIES WERE FOUND IN PERFORMING THE REQUIRED TESTS. THE FOLLOWING ARE SPECIFIC REPLIES OR ANSWERS TO THE QUESTIONS ASKED IN THE TEST SPECIFICATIONS. OUTLINED IN THE FOLLOWING PARAGRAPHS ARE THE SMA635374 PARAGRAPH NUMBERS WHERE AN ANSWER IS NECESSARY.

SMA635374
PARAGRAPH
NUMBERS

3.2.2 RTA2 TEST

3.2.2.1 MEASURED BETWEEN OUTPUTS 19 AND 18 IS A SHORT CIRCUIT (1 OHM MAX)

3.2.3 ST MODE 4 ENABLE

3.2.3.1 MEASURED BETWEEN OUTPUTS 22 AND 21 IS A SHORT CIRCUIT (1 OHM MAX)

3.2.4 DATA LOCKOUT ENABLE, DATA LOCKOUT

3.2.4.2 OUTPUT PIN 3 MEASURES A HIGH LEVEL.

3.2.4.3 OUTPUT PIN 6 MEASURES A WAVEFORM WHICH GOES LOW AT THE (TE) OF THE PULSE AT INPUT PIN 16

OUTPUT PIN 6 MEASURES A WAVEFORM WHICH GOES HIGH AT THE (LE) OF THE PULSE AT INPUT PIN 10.

3.2.5.3 OUTPUT PIN 38 MEASURES A PULSE WITH THE FOLLOWING CHARACTERISTICS

POLARITY IS POSITIVE

PULSE WIDTH IS .05uS TO 1.5uS

AMPLITUDE IS 1.0 VOLT MINIMUM

NEGATIVE OVERSHOOT IS 2.0 VOLTS MAX

POSITIONED WITHIN 0.5uS OF THE (LE)

OF THE PULSE AT INPUT PIN 10

3.2.5.5 OUTPUT PIN 38 MEASURES A PULSE WITH THE FOLLOWING CHARACTERISTICS

POSITION 460 \pm 20uS BEFORE THE (LE) OF THE

PULSE AT INPUT PIN 10

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3.2.6 (MODE 4 + TEST TARGET) ENABLE TEST

3.2.6.2 OUTPUT PIN 24 MEASURES A HIGH LEVEL

3.2.6.4 OUTPUT PIN 24 MEASURES A LOW LEVEL

END OF TEST RESULTS