

TMC SPECIFICATION

NO. S1412

REV:

COMPILED:

R. Uzzo

CHECKED:

APPD:

SHEET

OF

TITLE:

Configuration Item Verification Review CIVR Validation Report
Serial No.

CONFIGURATION ITEM VERIFICATION
REVIEW (CIVR) VALIDATION REPORT

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I GENERAL INFORMATION

- a) CONTRACTOR - - - - - TECHNICAL MATERIEL CORPATION
700 FENIMORE ROAD
MAMARONECK, NEW YORK 10543
- b) CONTRACT ORDER NUMBER - - DAAB07-81C-1131
ITEM NO. 0008AB FOR ITEM 0001
- c) NOMENCLATURE - - - - - TARGET ADDER ASSEMBLY
P/O AN/TPX - 46 (V)
DRAWING NO. SM-D-586702
NSN 5895-00-199-7269
- (EQUIPMENTS OF ESTABLISHED DESIGN)
- d) FIRST ARTICLE - - - - - STOCK NO. REPRESENTED BY 001 & 002.
- e) FIRST ARTICLE FABRICATED AT:
TECHNICAL MATERIEL CORPORATION
700 FENIMORE ROAD
MAMARONECK, NEW YORK 10543

II REFERENCE DATA:

- a) MIL-P-11268K (ARMY)
MIL-STD-252B PAGES 15, 16, 17 (PRINTED WIRING BOARD)
MIL-STD-105D
MIL-M-13231A
MIL-STD-454
- b) LIST OF PROPOSED SOURCES OF STANDARD ITEMS
- c) STATEMENT OF COMPLIANCE
- d) GOVERNMENT FURNISHED DRAWINGS
- e) AMP SPECIAL INDUSTRIES BULLETIN 703-3
- f) TMC SPECIFICATION S1394
- g) SMA 595922 REQUIREMENTS FOR CIRCUIT CARD ASSEMBLIES

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1. PURPOSE:

TO ASSURE THAT THE PARTS, MATERIALS AND PROCESSES USED IN SM-D-586702 ASSEMBLY ARE THOSE SPECIFIED ON THE GOVERNMENT FURNISHED DRAWINGS OR SPECIFICATIONS.

2. COMPLIANCE

ALL COMPONENTS USED IN THE MANUFACTURE OF SM-D-586702 (TARGET ADDER ASSEMBLY) MEET THE REQUIREMENTS AND STATED ON DRAWING PL SM-B-586702. 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. VERIFICATION 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 PERFORMED.

3. a. PRINTED WIRING BOARD SM-D-586602 WAS INSPECTED IN ACCORDANCE WITH GOVERNMENT SUPPLIED DRAWINGS (SM-D-586602) SHEETS 1, 2 AND 3) ALSO MIL-STD-252B PAGES 15, 16 AND 17.

CAPACITORS C1 AND C2 HAVE BEEN INSPECTED USING THE INSPECTION METHOD (REF. MIL-STD-105) TMC STANDARD QA3008.

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-D-586461 WAS INSPECTED IN ACCORDANCE WITH THE GOVERNMENT SUPPLIED DRAWING SM-D-586461.

ALL THE INTERGRATED CIRCUITS U1 THROUGH U14 WERE EXAMINED, USING THE INSPECTION METHOD REF. (MIL STANDARD 105) TMC STANDARD QA3008 AND MIL STANDARD 454 REQUIREMENT 64.

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4. ASSEMBLING PROCEDURE

ALL COMPONENT PARTS FOR THE (TARGET ADDER ASSEMBLY) ASSEMBLED AS PER DRAWING SM-D-586702. 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-586702, NOTE 4.

6. CONFORMAL COATING

PROTECTIVE COATING PROCESS CONFIRMS TO SM-A-587204 AND TMC SPECIFICATION S1394.

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7. CONTRACTOR TESTING

FIRST ARTICLE APPROVAL CONTRACTOR TESTING WAS PERFORMED FEBRUARY , 1983 FOR THE TARGET ADDER ASSEMBLY SMD586702. TEST SPECIFICATION SMA587234 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 SPECIFICATION. OUTLINED IN THE FOLLOWING PARAGRAPHS ARE THE SMA587234 PARAGRAPH NUMBERS WHERE AN ANSWER IS NECESSARY.

SMA587234
PARAGRAPH
NUMBERS

3.2.2.1.2 THE CHART SHOWN DISPLAYS THE INPUTS REQUIRED FOR COUNTING, AND THE REQUIRED OUTPUT COUNT FOR TEST NO. 1.

INPUTS

WEIGHTED NO.	8	4	2	1	
INPUTS	T2 ³ 28	T2 ² 30	T2 ¹ 36	T2 ⁰ 38	COUNT
	0	0	0	0	0
	0	0	0	1	1
	0	0	1	0	2
	0	0	1	1	3
	0	1	0	0	4
	0	1	0	1	5
	0	1	1	0	6
	0	1	1	1	7
	1	0	0	0	8
	1	0	0	1	9
	1	0	1	0	10
	1	0	1	1	11
	1	1	0	0	12
	1	1	0	1	13
	1	1	1	0	14
	1	1	1	1	15

OUTPUTS

WEIGHTED NO.	8	4	2	1	
OUTPUTS	T2 ³ 3	T2 ² 12	T2 ¹ 24	T2 ⁰ 32	COUNT
	1	1	1	1	0
	1	1	1	1	0
	1	1	1	0	1
	1	1	0	1	2
	1	1	0	0	3
	1	0	1	1	4
	1	0	1	0	5
	1	0	0	1	6
	1	0	0	0	7
	0	1	1	1	8
	0	1	1	0	9
	0	1	0	1	10
	0	1	0	0	11
	0	0	1	1	12
	0	0	1	0	13
	0	0	0	1	14

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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
