

DATE 12/19/63

SHEET 1 OF 2

TMC SPECIFICATION NO. S-727

A

G. CARMARDA

COMPILED

CHECKED

TITLE: MARKING PROCESS FOR METAL & PHENOLIC MATERIAL

APPROVED

**MARKING PROCESS FOR IRIDITED AND PHENOLIC MATERIAL (S-727)**

**1.0 GENERAL**

- 1.1 The markings to size of characters, style, color and location on all material will be specified on the individual drawings.
- 1.2 This specification pertains only to the marking specifications for Iridited Material, Terminal Boards, and Printed circuit boards.
- 1.3 Sampling will be accomplished per Multiple Sampling Plan, MIL-STD-105D, table IV-A.

**1.4 GENERAL SPECIFICATIONS**

- 1.4.1 Color: To be indicated on individual drawing.
- 1.4.2 Letter type and size: To be indicated on individual drawing.
- 1.4.3 Visual inspection: That markings shall be performed to ascertain that all lettering definitions are sharp and clear.
- 1.4.4 Opacity: That the paint or ink used for marking shall be sufficient to completely cover the background on material used.
- 1.4.5 Permanency and Durability: Markings shall not show any evidence of the following defects-
  - 1.4.5.1 Blistering
  - 1.4.5.2 Chipping
  - 1.4.5.3 Cracking
  - 1.4.5.4 Delamination
  - 1.4.5.5 Discoloration
  - 1.4.5.6 Dissolving
  - 1.4.5.7 Fading
  - 1.4.5.8 Flaking
  - 1.4.5.9 Illegibility
  - 1.4.5.10 P ling
  - 1.4.5.11 S ftening

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## 2.0 SPECIFICATIONS FOR IRIDITED MATERIAL

2.1 Shall be able to withstand complete Iridited process stipulated in TMC Specification: S-404, without any of the defects stipulated in Paragraph 1.4.

## 3.0 SPECIFICATIONS FOR TERMINAL AND PRINTED CIRCUIT BOARDS

3.1 Shall be able to withstand abrasion by adhesive material (i.e., masking tape or equivalent) seven(7) times across lettering surface without any of the defects stipulated in Paragraph 1.4. Line items 1.4.5.5 and 1.4.5.6 do not apply for this application.

