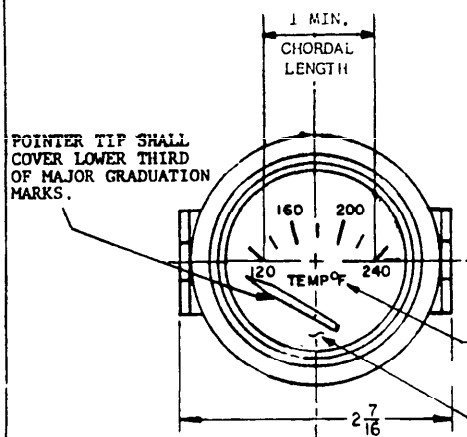
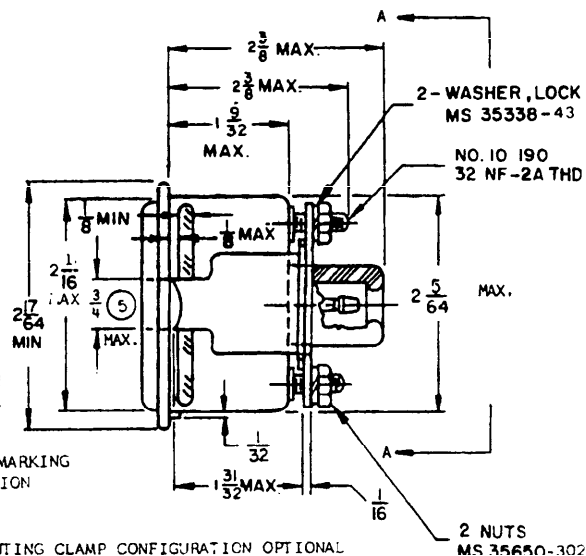
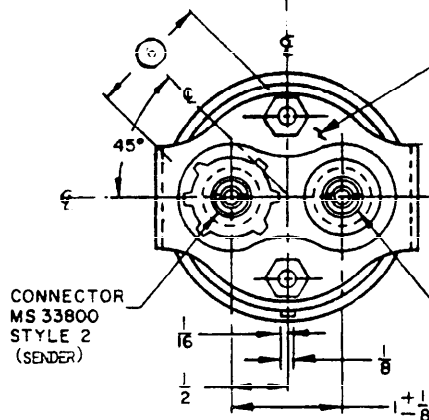


FED. SUP CLASS  
6685USER ACTIVITIES:  
ARMY-ME; NAVY-YD, MCREVIEWER ACTIVITIES:  
ARMY-ER, DLA-GSLOCATION  
OPTIONAL  
APPROX MARKING  
LOCATION

MOUNTING CLAMP CONFIGURATION OPTIONAL



VIEW A-A

CALIBRATION DATA (H)		
RESISTANCE (OHMS) FOR INDICATOR WITH 360 OHMS (NOM) INTERNAL RESISTANCE	RESISTANCE (OHMS) FOR INDICATOR WITH 530 OHMS (NOM) INTERNAL RESISTANCE	INDICATOR READING
2360	2507	120° F.
917	1126	180° F.
460	562	240° F.

MS PART NO.	DIAL TYPE	FORMER PART NO.
MS 24543-1	CANCELLED 1	
MS 24543-2	NON-LUMINOUS	8376485

(H) DENOTES CHANGE

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DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

F. A. ARMY-AT

Other: Cust

AF-99

PROCUREMENT SPECIFICATION  
MIL-I-10986

T.T.F

INDICATOR, TEMPERATURE, ELECTRICAL  
RESISTANCE: 24 VOLT DC, RANGE 120°-240°F

SUPERSEDES

MILITARY STANDARD

MS24543

SHEET 1 OF 2

DD FORM 672-1 (Coordinated)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

6685-0773

APPROVED 21 OCT/BER 1978 REVISED (E) 11 SEPTEMBER 1978 (C) 25 SEP 1980 (H) 18 DEC 85

FED. SUP CLASS  
6685USER ACTIVITIES:  
ARMY-ME; NAVY-YD, MCREVIEWER ACTIVITIES:  
ARMY-ER, DLA-GS

## REQUIREMENTS:

1. REPLACEMENT DATA: MS24543-2 IS THE REPLACEMENT FOR MS24543-1.
2. TYPE II (TEMPERATURE) UNIT 1 (INDICATOR) OF PROCUREMENT SPECIFICATION.
3. MUST OPERATE LINEARLY AND ACCURATELY WHEN PROPERLY CONNECTED IN A CIRCUIT WITH ASSOCIATED TRANSMITTER, MS24537.
4. RELATIVE LOCATION AND CONFIGURATION OF CONNECTORS AND MOUNTING CLAMP IS OPTIONAL, PROVIDED THAT DIAL ILLUMINATION IS NOT ADVERSELY AFFECTED.
5. MOUNTING CLAMP TIPS SHALL BE SHARP TO ASSURE GROUNDING.
6. FOUR (4) ILLUMINATING WINDOWS, 1-5/32 MINIMUM CHORDAL LENGTH, EQUALLY SPACED 45° OFF HORIZONTAL CENTERLINE (360° ILLUMINATING WINDOW OPTIONAL).
- (H) 7. UNLESS OTHERWISE SPECIFIED, STEEL PARTS SHALL BE ZINC PLATED IN ACCORDANCE WITH TYPE II, SERVICE CONDITION 1 OF ASTM B633-78.
8. CENTERLINE OF DIAL FACE SHALL BE WITHIN  $\pm 2^\circ$  OF INDICATOR VERTICAL AXIS. VERTEX OF ANGULAR DIMENSIONS IS LOCATED AT POINTER PIVOT.
9. THREADS SHALL BE IN ACCORDANCE WITH FED-STD-H28/2.
10. UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES; TOLERANCES ARE  $\pm 1/64$  ON FRACTIONS,  $\pm 1^\circ$  ON ANGULAR DIMENSIONS.
11. MARKING SHALL CONSIST OF THE MS PART NUMBER AND MANUFACTURER'S IDENTIFICATION IN ACCORDANCE WITH MIL-STD-130.

## NOTES:

1. THIS STANDARD IS NOT INTENDED TO LIMIT CONSTRUCTION TO FEATURES OTHER THAN AS SHOWN HEREON BY DIMENSIONS, NOTATIONS, AND REFERENCED DOCUMENTS.
2. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BIDS OR REQUEST FOR PROPOSAL, EXCEPT THAT REFERENCED ADOPTED INDUSTRY DOCUMENTS SHALL GIVE THE DATE OF THE ISSUE ADOPTED.
3. FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.

APPROVED 27 OCTOBER 1958 REVISED (H) FOR CHANGES SEE SHEETS 1 &amp; 2 18 DEC 85

This military standard is approved for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document when applicable. AMSC N/A

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P.A. ARMY-AT Other Cust AF-99	TITLE INDICATOR, TEMPERATURE, ELECTRICAL RESISTANCE: 24 VOLT DC, RANGE 120°-240°F	MILITARY STANDARD <b>MS 24543</b>
PROCUREMENT SPECIFICATION MIL-I-10986	SUPERSEDES:	SHEET 2 OF 2

DD FORM 672-1 (Coordinated)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

6685-0773