

IF WHEN GOVERNMENT DRAWINGS, SPECIFICATIONS, OR OTHER DATA ARE USED FOR ANY OTHER PURPOSE THAN THAT FOR WHICH THEY WERE FORMULATED, THE UNITED STATES GOVERNMENT THEREBY DISCLAIMS ANY LIABILITY OR ANY OBLIGATION WHATSOEVER; AND THE FACT THAT THE UNITED STATES GOVERNMENT HAS MADE AVAILABLE SUCH DATA IN ANY MANNER LICENSING THE HOLDER OR ANY OTHER PERSON TO REPRODUCE, COPY, OR OTHERWISE AS IN ANY MANNER LICENSING THE HOLDER OR ANY OTHER PERSON THEREBY.

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| APPLICATION |              | REVISIONS |             |      |          |
|-------------|--------------|-----------|-------------|------|----------|
| NEXT ASSY   | USED ON      | SYM       | DESCRIPTION | DATE | APPROVED |
| SM-D-179023 | SC-DL-178487 |           |             |      |          |
| SM-D-249134 | SC-DL-248775 |           |             |      |          |

### DESCRIPTION

|  |  |
|--|--|
| 1. SWITCH SHALL BE IN ACCORDANCE WITH SPEC MIL-S-3786.           | 9. TYPE OF SHAFT: <b>SINGLE FLATTED</b><br><del>DOUBLE FLATTED</del>               |
| 2. SWITCH SIZE: <b>STANDARD</b><br><del>MINIATURE</del>          | 10. ANGLE OF THROW: <b>30°</b>   |
| 3. TOTAL NUMBER OF SWITCH SECTIONS: <b>1</b>                     | 11. TOTAL ANGLE OF ROTATION: <b>60°</b>  |
| 4. TOTAL NUMBER OF SHIELDS: <b>0</b>                             | 12. CONTACT STABILITY (VIBRATION) TEST: <del>REQUIRED</del><br><b>NOT REQUIRED</b> |
| 5. NUMBER OF POSITIONS: <b>3</b>                                 | 13. MECHANICAL SHOCK TEST: <del>REQUIRED</del><br><b>NOT REQUIRED</b>              |
| 6. NUMBER OF STOPS: <b>2</b>                                     | 14. CONTACT STABILITY (SHOCK) TEST: <del>REQUIRED</del><br><b>NOT REQUIRED</b>     |
| 7. TYPE OF STOPS: <b>ADJUSTABLE</b><br><del>NON-ADJUSTABLE</del> | 15. WAFER MATL: <b>GRADE</b><br><b>TYPE PBE-P</b> PER SPEC <b>MIL-P-3115</b>       |
| 8. SHAFT AND BUSHING: <del>SEALED</del><br><b>NON-SEALED</b>     | 16. CUSHION WASHER MATERIAL: TYPE <b>PBE</b><br>PER SPEC <b>MIL-P-3115</b>         |

### OTHER CHARACTERISTICS

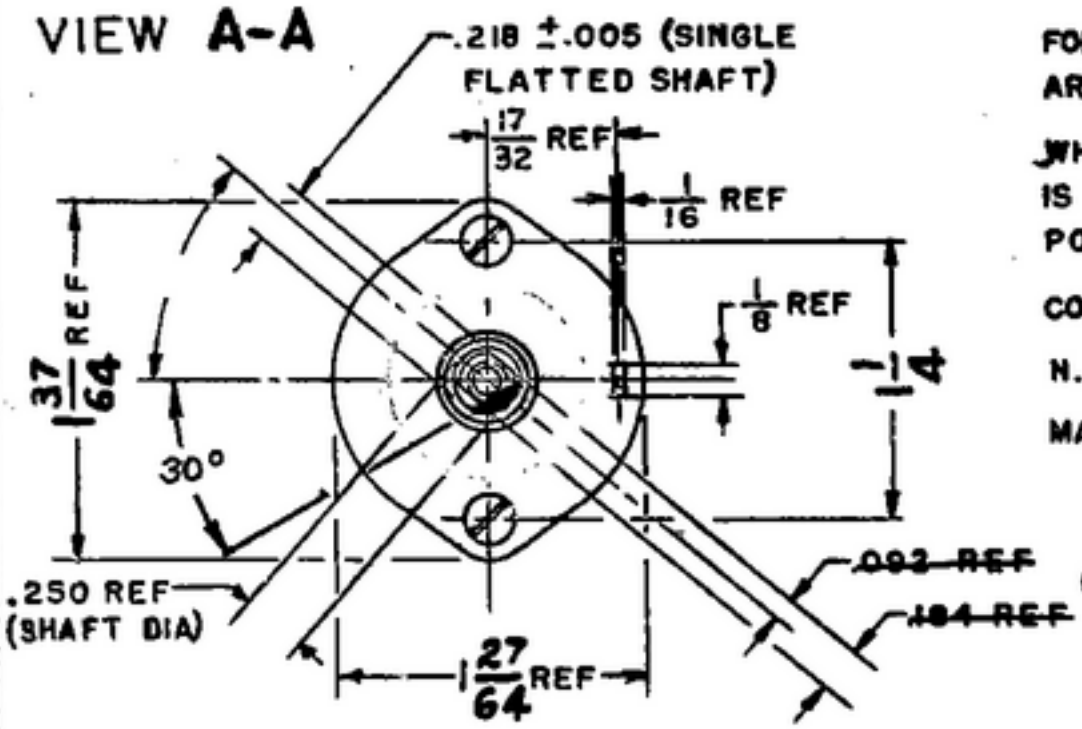
EXCEPTIONS TO MIL-S-3786 ARE DIMENSIONS

|  |                             |             |   |  |
|--|-----------------------------|-------------|---|--|
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES<br>TOLERANCES ON<br>FRACTIONS DECIMALS ANGLES | AUTHENTICATION              |             | <b>SWITCH, ROTARY</b><br><b>DESCRIPTION AND</b><br><b>CHARACTERISTICS</b><br><br><b>(STD DWG)</b> | DEPARTMENT OF THE ARMY<br>SIGNAL CORPS ENGINEERING<br>LABORATORIES<br><br>FORT MONMOUTH NEW JERSEY |
|  | DRAWN <b>21852-PH-50-93</b> |             |   |  |
|  | TRACED <b>PHOTO</b>         |             |   |  |
|  | CHECKED <b>R</b>            |             |   |  |
|  | VERIFIED <b>PD BR</b>       |             |   |  |
|  | APPROVED <b>PD BR</b>       |             |   |  |
| REVIEWED <b>PME</b>  |                             | SCALE _____ | <b>SM-A-179028</b><br><b>SHEET 1 OF 3 SHEETS</b>  |  |
| DATE: <b>9 SEPT 55</b>   |                             | _____       |   |  |

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|-------------|--------------|-----------|-------------|------|----------|
| NEXT ASSY   | USED ON      | SYM       | DESCRIPTION | DATE | APPROVED |
| SM-D-179023 | SC-DL-178467 |           |             |      |          |
| SM-D-249134 | SC-DL-248775 |           |             |      |          |

VIEW A-A



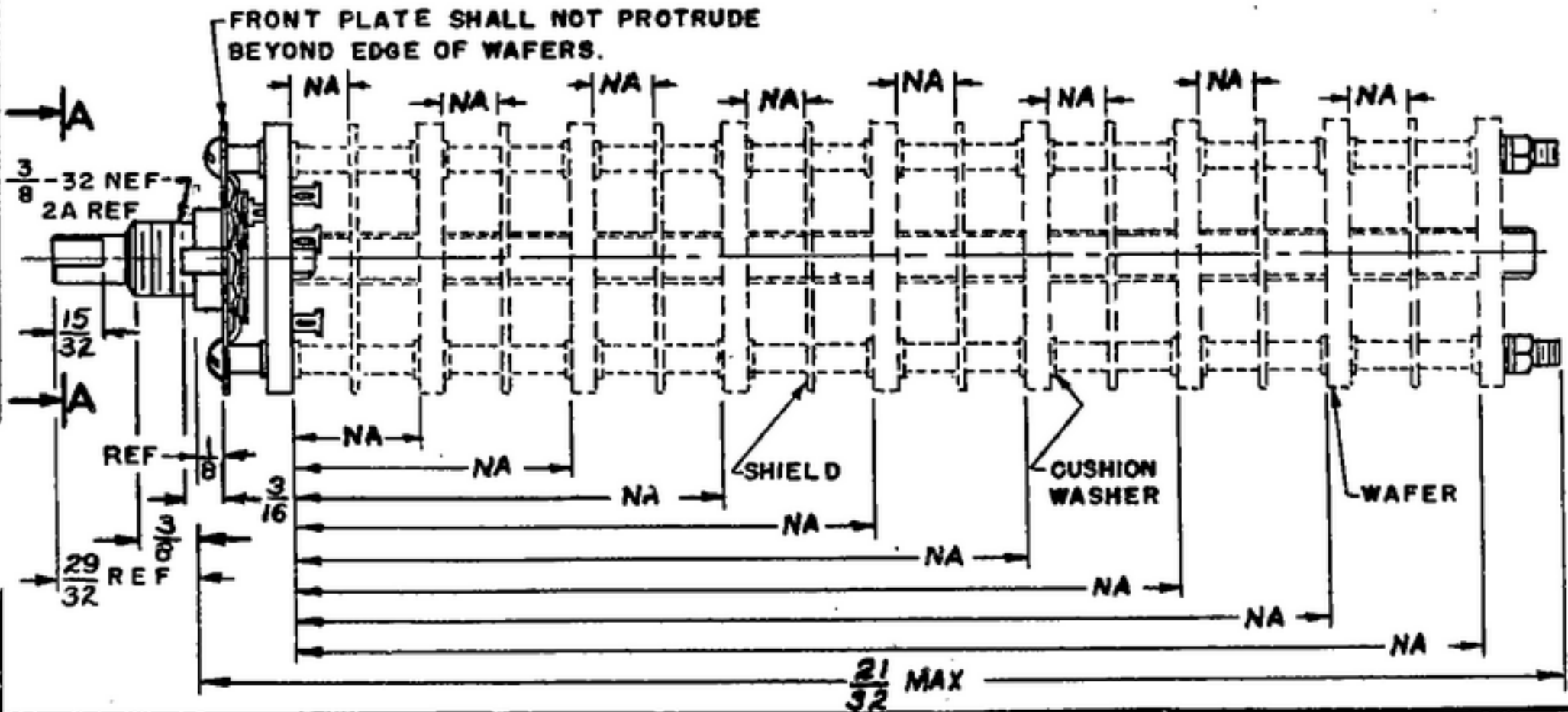
FOR DIMENSIONS MARKED "REF" AND ADDITIONAL STANDARD DIMENSIONS SEE FIG. 1 OF SPEC MIL-S-3786.

WHEN SWITCH IS SUPPLIED WITH STOPS, ANGLE OF FLATS IS SHOWN WITH SHAFT IN EXTREME COUNTER-CLOCKWISE POSITION.

CONTOUR OF SHIELDS AND WAFERS OPTIONAL.

N. A. = (DIMENSION) NOT APPLICABLE.

MAX THICKNESS OF WAFERS { CERAMIC: .219  
LAMINATED PLASTIC: .078



UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES  
TOLERANCES ON  
FRACTIONS DECIMALS ANGLES  
+ 1/64 — — — —  
- 1/64 — — — —

| AUTHENTICATION |                |
|----------------|----------------|
| DRAWN          | 21852-PH-50-93 |
| TRACED         | PHOTO          |
| CHECKED        | IK             |
| VERIFIED       | PD BR          |
| APPROVED       | PD BR          |
| REVIEWED       | PME            |
| DATE           | 9 SEPT 55      |

**SWITCH, ROTARY**  
**DIMENSIONS**  
(STD DWG)

DEPARTMENT OF THE ARMY  
SIGNAL CORPS ENGINEERING  
LABORATORIES  
FORT MONMOUTH NEW JERSEY

SCALE \_\_\_\_\_

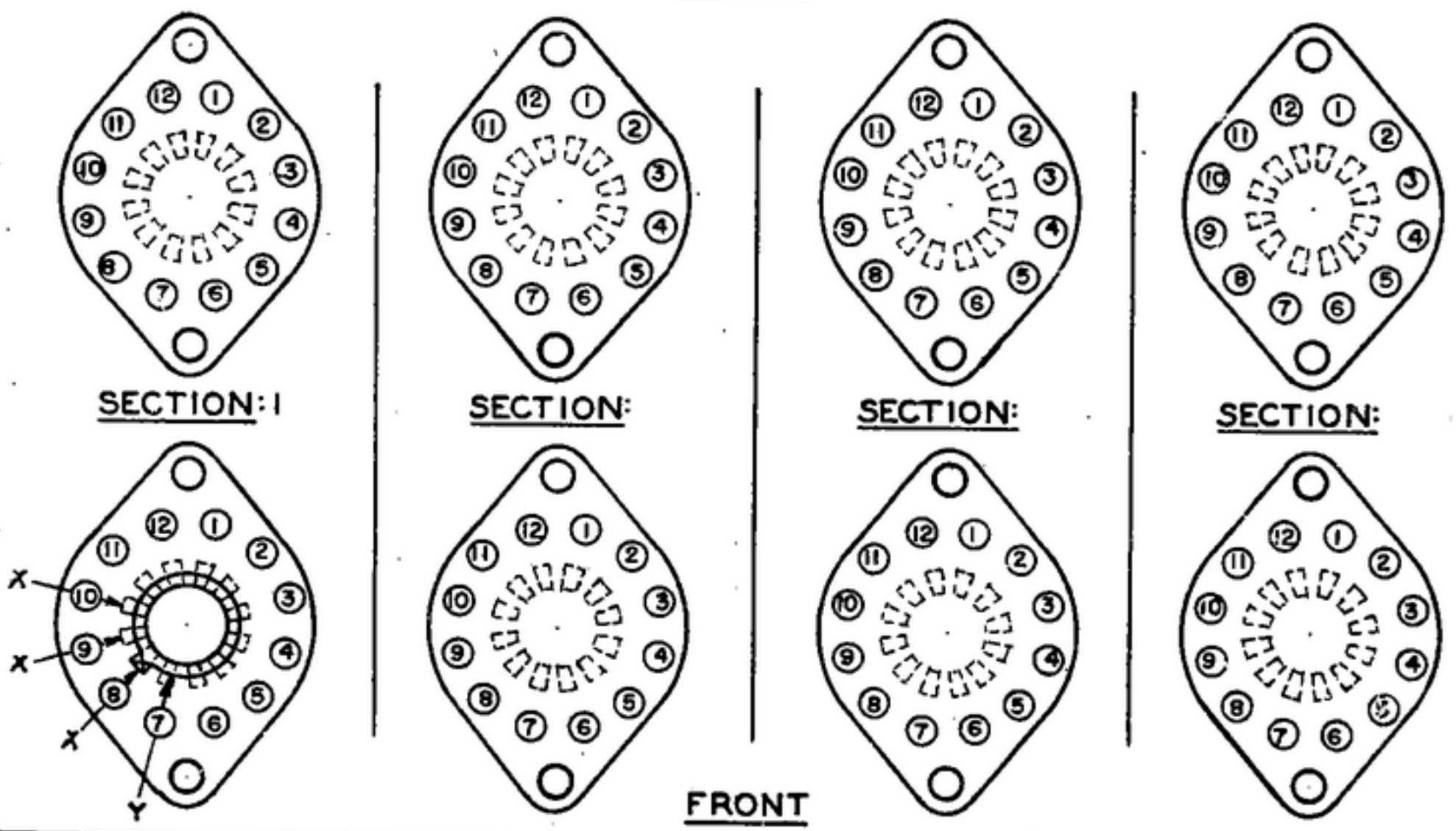
**SM-A-179028**  
**SHEET 2**

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| SM-D-249134 | SC-DL-248775 |           |             |      |          |

SECTION TERMINOLOGY SHALL BE IN ACCORDANCE WITH FIG. 4 OF SPEC MIL-S-3786.

REAR



FRONT

FRONT AND REAR OF WAFERS VIEWED FROM KNOB END OF SHAFT. SECTION NO. I IS NEAREST THE KNOB END.

WAFERS SHOWN WITH SHAFT IN EXTREME COUNTERCLOCKWISE SPECIFIED ANGLE (NO STOP) POSITION.

|   |                             |   |  |
|---|-----------------------------|---|--|
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES<br>TOLERANCES ON FRACTIONS DECIMALS ANGLES | <b>AUTHENTICATION</b>       | <b>SWITCH, ROTARY</b><br><br><b>SWITCH SECTION WAFER DIAGRAM</b><br><br>(STD DWG)<br><br>FORT MONMOUTH NEW JERSEY | DEPARTMENT OF THE ARMY<br>SIGNAL CORPS ENGINEERING<br>LABORATORIES |
|   | DRAWN <i>21552-PH-50-93</i> |   |  |
|   | TRACED <i>PHOTO</i>         |   |  |
|   | CHECKED <i>[Signature]</i>  |   |  |
|   | VERIFIED <i>PD BR</i>       |   |  |
|   | APPROVED <i>PD BR</i>       |   |  |
| REVIEWED <i>PME</i>   | SCALE _____                 | <b>SM-A-179028</b><br>SHEET 3   |  |
| DATE <i>9 SEPT 55</i>   | _____                       |   |  |

Army, Ft. Monmouth, NJ-MON 228-54