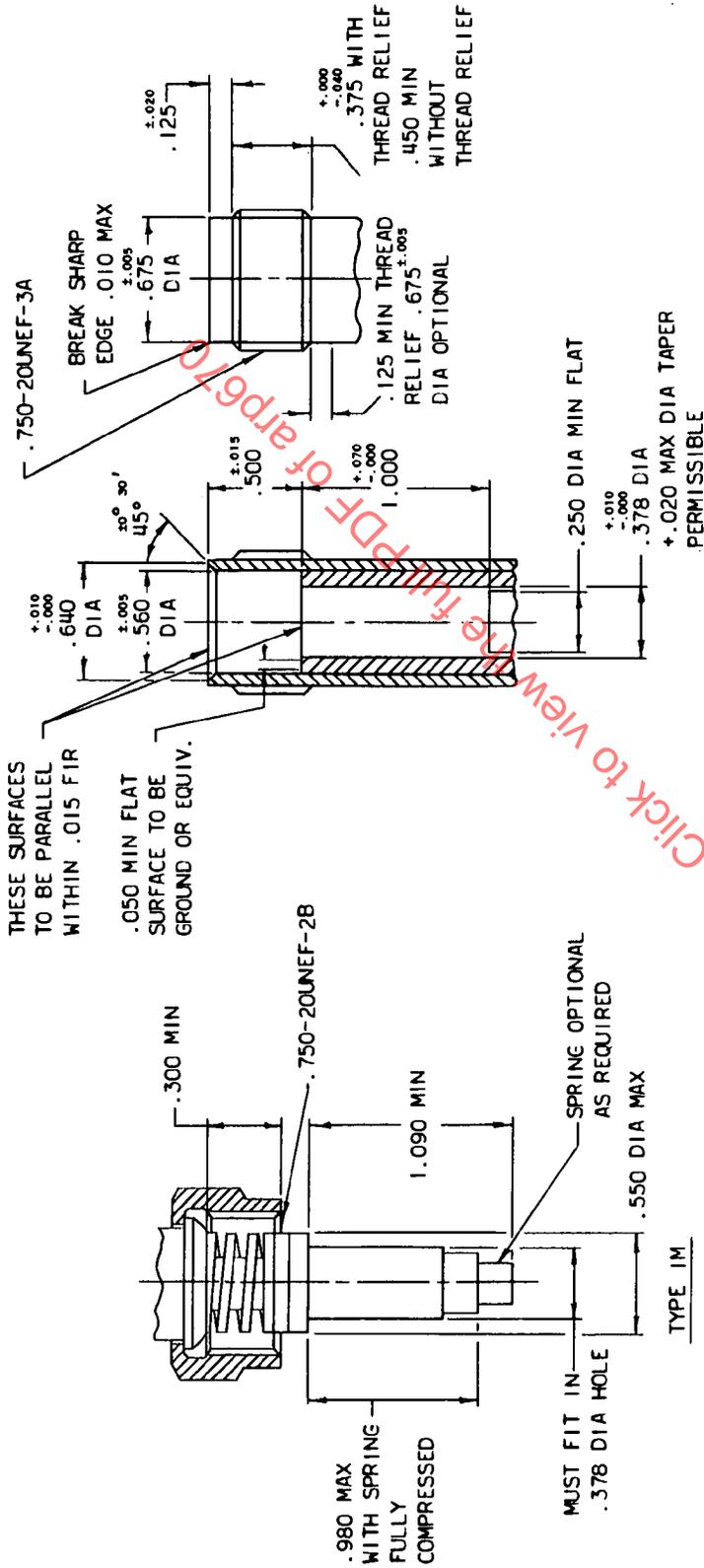


TERMINALS, AIRCRAFT IGNITION

Issued 11-15-59
 Revised

Section 7C of the SAE Technical Board rules provides that: "All technical reports, including standards approved and practices recommended, are advisory only. Their use by anyone engaged in industry or trade is entirely voluntary. There is no obligation to conform to or be guided by any technical report. In formulating and approving technical reports, the Board and its Committees will not investigate or consider patents which may apply to the subject matter. Prospective users of the report are responsible for protecting themselves against liability for infringement of patents."



1. APPLICATION:
 1.1 FOR USE WITH TYPE IF.

2. REQUIREMENTS:

2.1 SEALING SPRING SHALL NOT EXCEED $.550$ OUTSIDE DIAMETER IN THE COMPRESSED CONDITION.

2.2 THE COUPLING NUT AND FERRULE WHEN ATTACHED TO A STANDARD MATING PART SHALL WITHSTAND A TORQUE OF 250 POUND INCHES APPLIED TO THE COUPLING NUT WITHOUT ANY EVIDENCE OF BINDING OR ANY DEFORMATION OF THE JOINED PARTS. THREADS SHALL BE LUBRICATED WITH MIL-O-6081 OIL FOR THIS TEST.

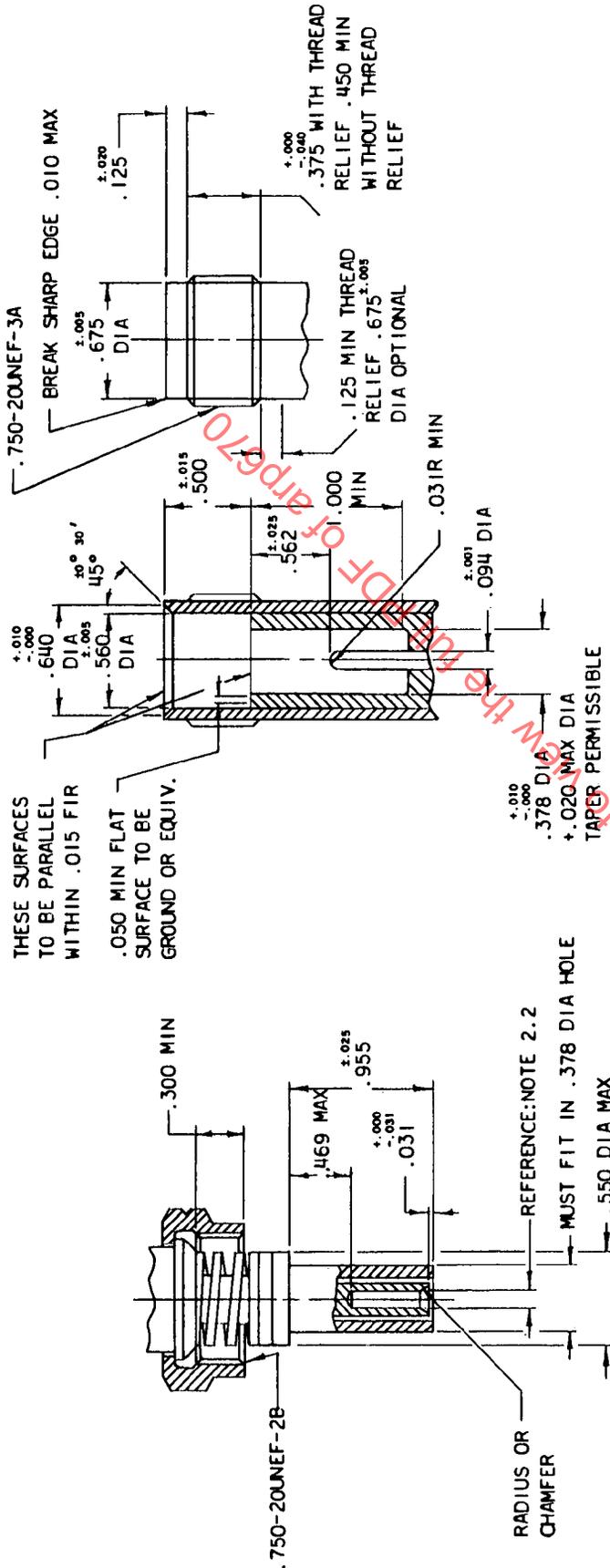
3. NOT RECOMMENDED FOR CONDENSER DISCHARGE TYPE IGNITION SYSTEMS.

4. SUPERSEDES ARP 298.

TYPE IF

1. APPLICATION:

1.1 FOR USE WITH TYPE IM.



TYPE 3F

1. APPLICATION:
1.1 FOR USE WITH TYPE 3M.
2. REQUIREMENTS:
2.1 THE .378 ±.016 DIAMETER AND .094 ±.001 DIAMETER SHALL BE CONCENTRIC WITHIN .020 FIR.
2.2 SUPERSEDES ARP 297.

TYPE 3M

1. APPLICATION:
1.1 FOR USE WITH TYPE 3F.
2. REQUIREMENTS:
2.1 SOCKET CONTACT SHALL ENGAGE AND DISENGAGE ON A .0930 ±.0002 DIAMETER HARDENED STEEL PIN WITH A FORCE OF NOT LESS THAN 1/4 POUND AND NOT MORE THAN 10 POUNDS ON A .0950 ±.0002 DIAMETER PIN AT ROOM TEMPERATURE.
2.1.1 DEPTH OF ENGAGEMENT FOR TEST PURPOSES SHALL BE .375 FROM END OF SOCKET.
2.1.2 TEST PIN TO HAVE A SURFACE FINISH OF 12±4 MICRO-INCHES VALUE.
2.2 SOCKET HOLE MUST ACCOMMODATE A PIN OF .094 ±.001 DIAMETER AND EXCLUDE THE ENTRANCE OF A PIN .100 DIAMETER.
2.3 SEALING SPRING SHALL NOT EXCEED .550 OUTSIDE DIAMETER IN THE COMPRESSED CONDITION.
2.4 THE COUPLING NUT AND FERRULE WHEN ATTACHED TO A STANDARD MATING PART SHALL WITHSTAND A TORQUE OF 250 POUND INCHES APPLIED TO THE COUPLING NUT WITHOUT ANY EVIDENCE OF BINDING OR ANY DEFORMATION OF THE JOINED PARTS. THREADS SHALL BE LUBRICATED WITH MIL-O-6081 OIL FOR THIS TEST.
3. SUPERSEDES ARP 296.