

EQUIP. TYPE *R390A/HR* EXP. NO.

~~Col 540 7493 002~~

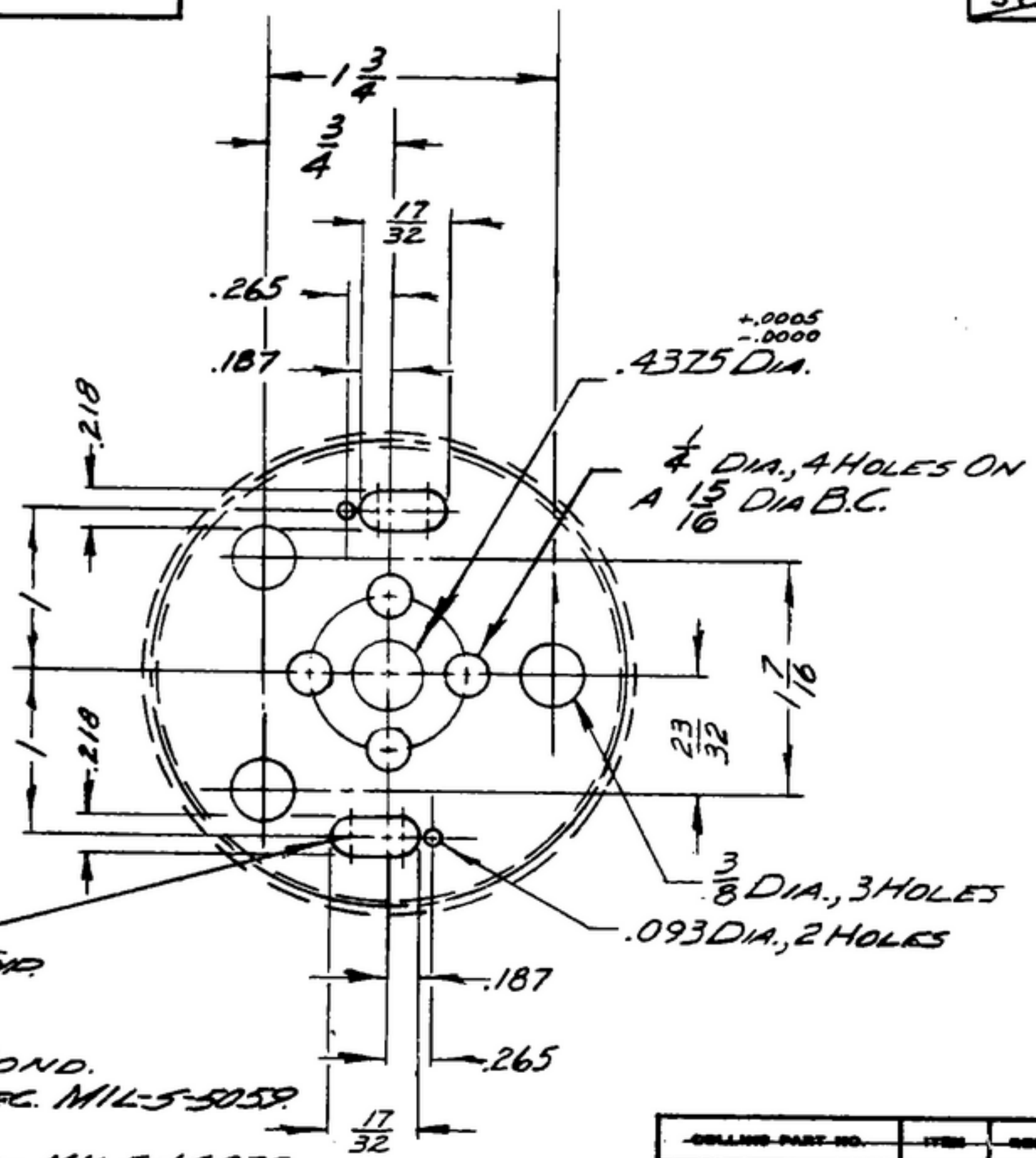
NOTICE: WHEN GOVERNMENT DRAWINGS, SPECIFICATIONS, OR OTHER DATA ARE USED FOR ANY PURPOSE OTHER THAN IN CONNECTION WITH A SPECIFICALLY RELATED GOVERNMENT PROCUREMENT OPERATION, THE UNITED STATES GOVERNMENT THEREBY INCURS NO RESPONSIBILITY FOR ANY OBLIGATION WHATSOEVER AND THE FACT THAT THE GOVERNMENT MAY HAVE FORMULATED, FURNISHED, OR IN ANY WAY SUPPLIED THE SAID DRAWINGS, SPECIFICATIONS, OR OTHER DATA IS NOT TO BE REGARDED BY REPLICATORS OR OTHERWISE AS IN ANY MANNER LICENSING THE HOLDER OR ANY OTHER PERSON OR CORPORATION, OR CONFERRING ANY RIGHTS OR PERMISSIONS TO REPRODUCE, USE, OR SELL ANY PATENTED INVENTION THAT MAY IN ANY WAY BE RELATED THERETO.

THIS DOCUMENT HAS BEEN PURCHASED BY THE GOVERNMENT AND MAY BE REPRODUCED AND USED IN CONNECTION WITH ANY GOVERNMENT PROCUREMENT OR MAINTENANCE OPERATION.

\* FOR INFORMATION ONLY, CONTRACTOR MAY AT HIS OPTION DEVIATE FROM THESE PROCESS DETAILS.

X SWE APPROVAL  
SYM PR 10048-2

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
A <sub>2</sub>	A <sub>1</sub> COMP 301 WAS COMP 302 A <sub>2</sub> ADDED APPL SM-D-343600	1 OCT 59	4242B-PC 59-AI-51 REV'D PME



NOTES:

- GEAR DATA:  
NORMAL DIAMETRAL PITCH 32  
NORMAL PRESSURE ANGLE 20°  
NUMBER OF TEETH 90  
THEORETICAL PITCH DIAMETER 2.8125  
  
BACKLASH .002 TO .003 WHEN REFERRED TO THE THEORETICAL PITCH CIRCLE.  
TOTAL COMPOSITE ERROR NOT TO EXCEED .003 WHEN MEASURED WITH MASTER GEAR.  
AMERICAN STANDARD INVOLUTE TOOTH FORM. ALL TERMS USED AS DEFINED BY A.G.M.A. STANDARDS.
- GEAR TO BE FLAT WITHIN .008 T.I.R.
- PART MUST BE FREE OF BURRS.

A<sub>1</sub> .0375 ± .004  
GRES, COMP 301, COND.  
1/2 HARD, PER SPEC. MIL-S-5059  
FINISH: E300 PER SPEC. MIL-F-14072  
A<sub>2</sub> \* COLLINS 580 0025 00

COLLINS PART NO.	ITEM	QTY	PART NO.	DESCRIPTION	DATE	DATE SPEC.
LIST OF MATERIAL						
-COLLINS PART NO. 558 0281 002						

DRAWN <i>R.E.R.</i>			CHECKED <i>William</i>			APPROVED			-COLLINS RADIO CO.- CEDAR RAPIDS, IOWA 14214-PH-51-93			DEPARTMENT OF THE ARMY SIGNAL CORPS ENGINEERING LABORATORIES  FORT MONMOUTH NEW JERSEY  SM-B-248932					
UNLESS OTHERWISE SPECIFIED: DECIMAL DIMENSIONS INCLUDING HOLE SIZES MAY VARY ±.008 FRACTIONAL DIMENSIONS INCLUDING HOLE SIZES MAY VARY ±1/64 MACHINED ANGLES MAY VARY ±1° SHEARED ANGLES MAY VARY ±.25° BROKEN ANGLES MAY VARY ±1° ECCENTRICITY BETWEEN ANY DIAMETERS ON THE SAME CENTERLINE SHALL NOT EXCEED .010 TOTAL INDICATOR READING. ALL DIMENSIONS ARE FINISH DIMENSIONS INCLUDING APPLIED FINISH AND ARE GIVEN IN INCHES.									SIGNAL CORPS								
SM-D-343600									REVIEWED <i>PME</i>								
558-0324-004									APPROVED <i>HLV</i> <i>PME</i>								
-COLLINS NO.			QTY			NEXT ASSY			USED ON			DATE 5 DEC '55			SCALE III		

FD-704 (7-4-58) 16-A4708-20007

WHEN REFERRING TO THIS DRAWING STATE DRAWING NO., APPLICABLE ISSUE SYMBOL, IF ANY, AND DATE