

EQUIP. TYPE R390A/URP EXP. NO.

COL 540 7492 002

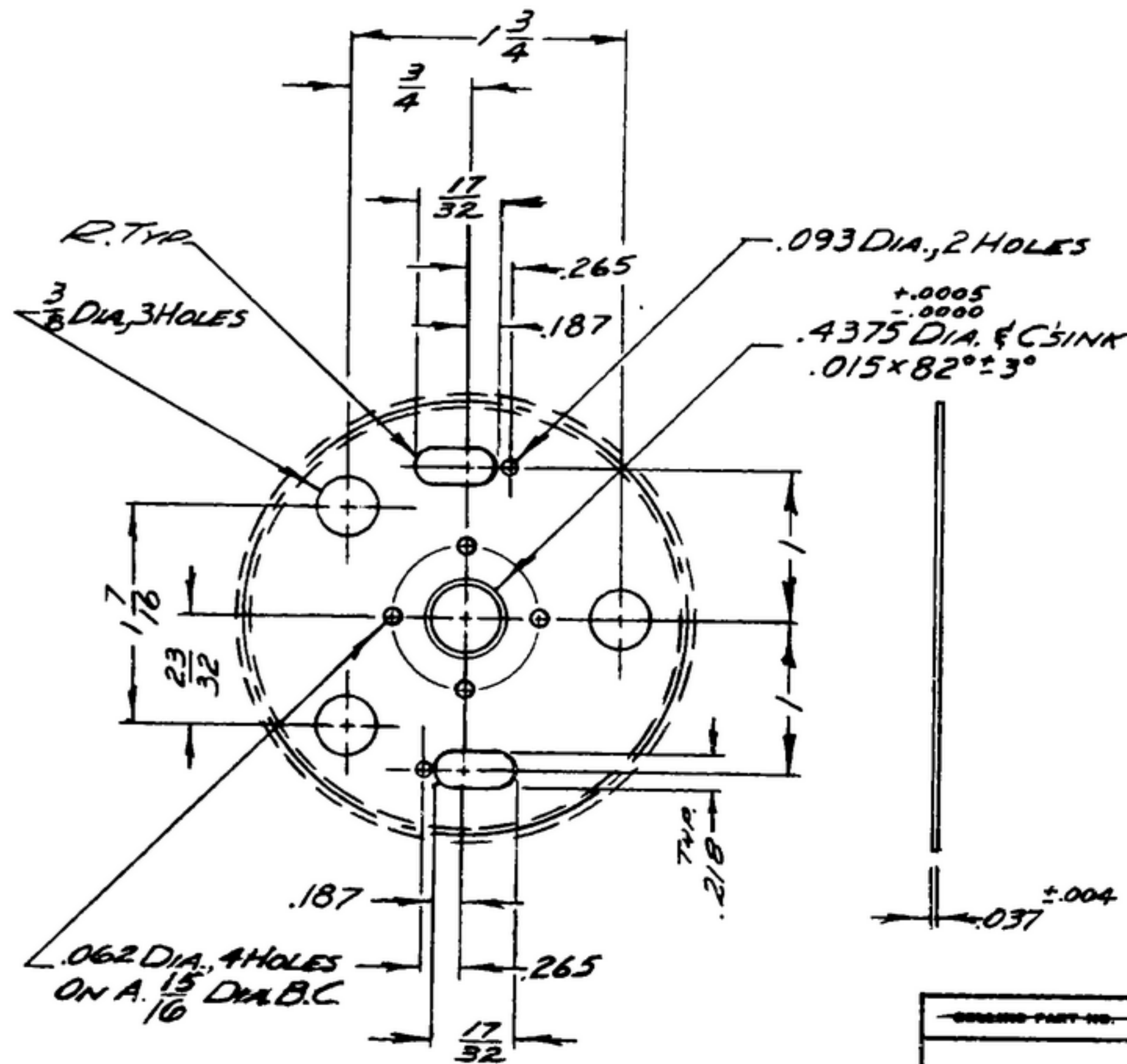
NOTICE: WHEN GOVERNMENT DRAWINGS, SPECIFICATIONS, OR OTHER DATA ARE USED FOR ANY PURPOSE OTHER THAN IN CONNECTION WITH A DEFINITELY RELATED GOVERNMENT PURCHASE OR OPERATION, THE UNITED STATES GOVERNMENT THEREBY MAKES NO REPRESENTATION FOR ANY CLAIMS OR PATENTS OR THE FACT THAT THE GOVERNMENT HAS FORMULATED, PURCHASED, OR IN ANY WAY SUPPLIED THE SAID DRAWINGS, SPECIFICATIONS, OR OTHER DATA IS NOT TO BE REGARDED BY IMPLICATION OR OTHERWISE AS IN ANY MANNER LIMITING THE RIGHTS OF ANY OTHER PERSON OR CORPORATION, OR CONVEYING ANY RIGHTS OR PERMISSIONS TO MANUFACTURE, 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 PURCHASE OR MANUFACTURE OPERATION.

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

~~* SWE APPROVAL~~
SYM PR10643-7

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
A ₁	A, COMP 301 WAS 302	1 OCT 59	42428-PC 59-A1-51 REV'D PME



(A₁)
 CRES, COMP 301, COND. 1/2 HARD, PER SPEC. MIL-S-5059
 FINISH: E300 PER SPEC. MIL-F-14072.
 * COLLINS 588-0025-00

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 AS DEFINED BY A.G.M.A. STANDARDS
- PART MUST BE FREE OF BURRS & SHARP EDGES.
- GEAR TO BE FLAT WITHIN .008 T.I.R.

ISSUE NO.	DATE	DESCRIPTION	BY	CHKD
LIST OF MATERIAL				
COLLINS PART NO. 558-0280-002				

COLLINS NO.	QTY	NEXT ASSY	USED ON
558-0317-003	1	SM-C-248968	SC-DL-248775

DRAWN *Mml* CHECKED *Rm* APPROVED

UNLESS OTHERWISE SPECIFIED:
 DECIMAL DIMENSIONS INCLUDING HOLE SIZES MAY VARY ±.005
 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.

COLLINS RADIO CO.
 CEDAR RAPIDS, IOWA
 14214-PH-51-93

SIGNAL CORPS
 REVIEWED *PME*
 APPROVED *HLY*
PME

DATE 8 DEC 55 SCALE 1/1

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

SM-B-248931