

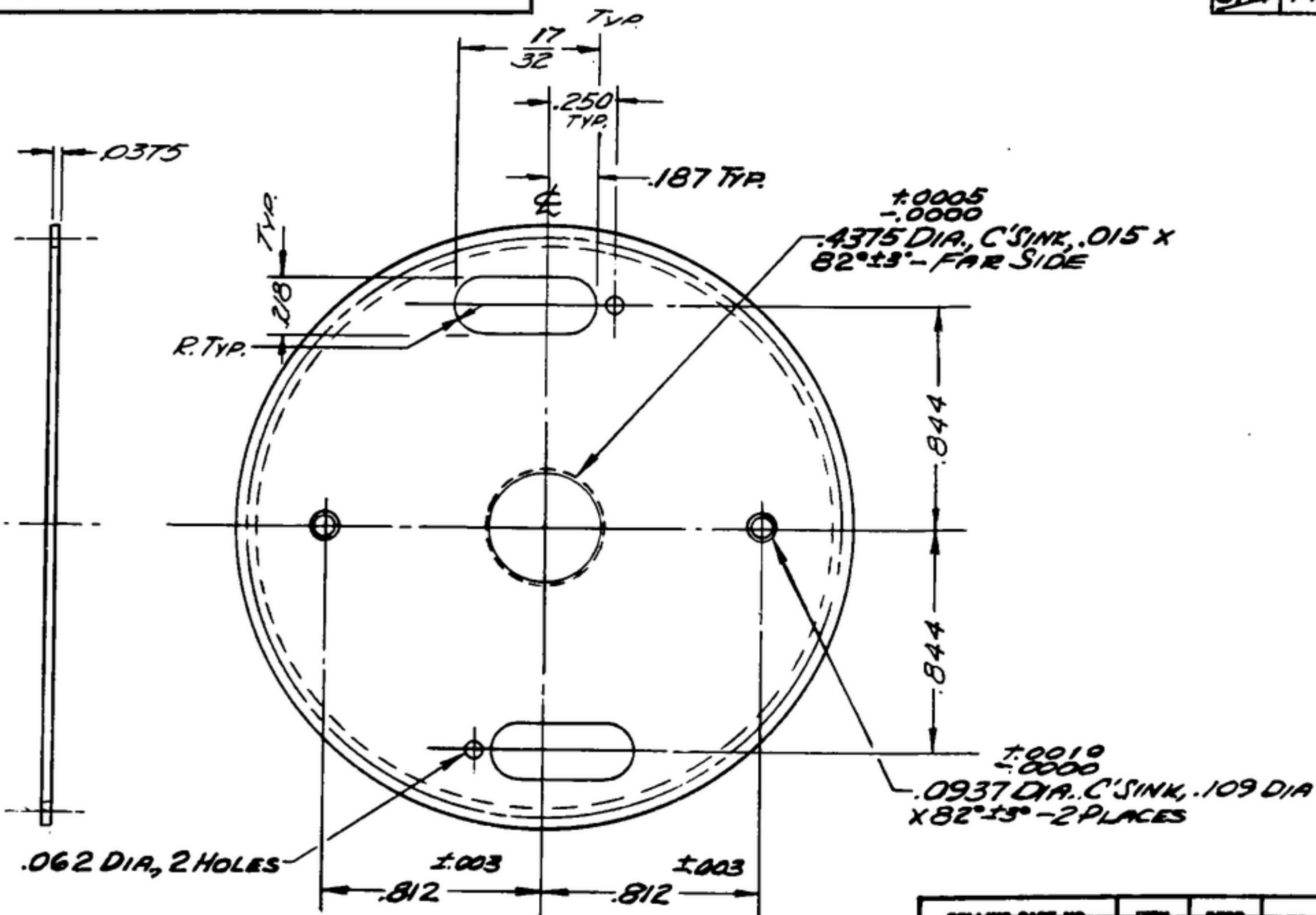
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*FOR INFORMATION ONLY. CONTRACTOR MAY AT HIS OPTION DEVIATE FROM THESE PROCESS DETAILS.

**SWE APPROVAL
SYM PR10042-2*

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
A ₁	A ₁ - COMP. 301 WAS 302	1 OCT. 59	42428-PC-59-AJ-51 REV'D FME



(A₁)

CRCS, COMP 301 COND. 1/2 H, PER SPEC MIL-S-5059

*FINISH: E300 PER SPEC MIL-F-14072
COLLINS 580-0025-00

- NOTES:
1. GEAR MUST BE FLAT WITHIN .008 T.I.R.
 2. REMOVE ALL BURRS.
 3. GEAR DATA
 NORMAL DIAMETRAL PITCH 48
 NORMAL PRESSURE ANGLE 20°
 NUMBER OF TEETH 135
 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. STDS.*

COLLINS PART NO.	TYPE	QTY	PART NO.	DESCRIPTION	DATE	DATE SPEC.
LIST OF MATERIAL						
-COLLINS PART NO. 580-0257-002						

COLLINS NO.	QTY	NEXT ASSY	USED ON
580-0297-002	1	SM-B-248948	SC-DL-248775

DRAWN *KENNY* CHECKED *AM* APPROVED

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.

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

SIGNAL CORPS
 REVIEWED *PME*
 APPROVED *HLY*
PME
 DATE *7 DEC 55* SCALE *2/1*

GEAR-CLUTCH

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

SM-B-248908