

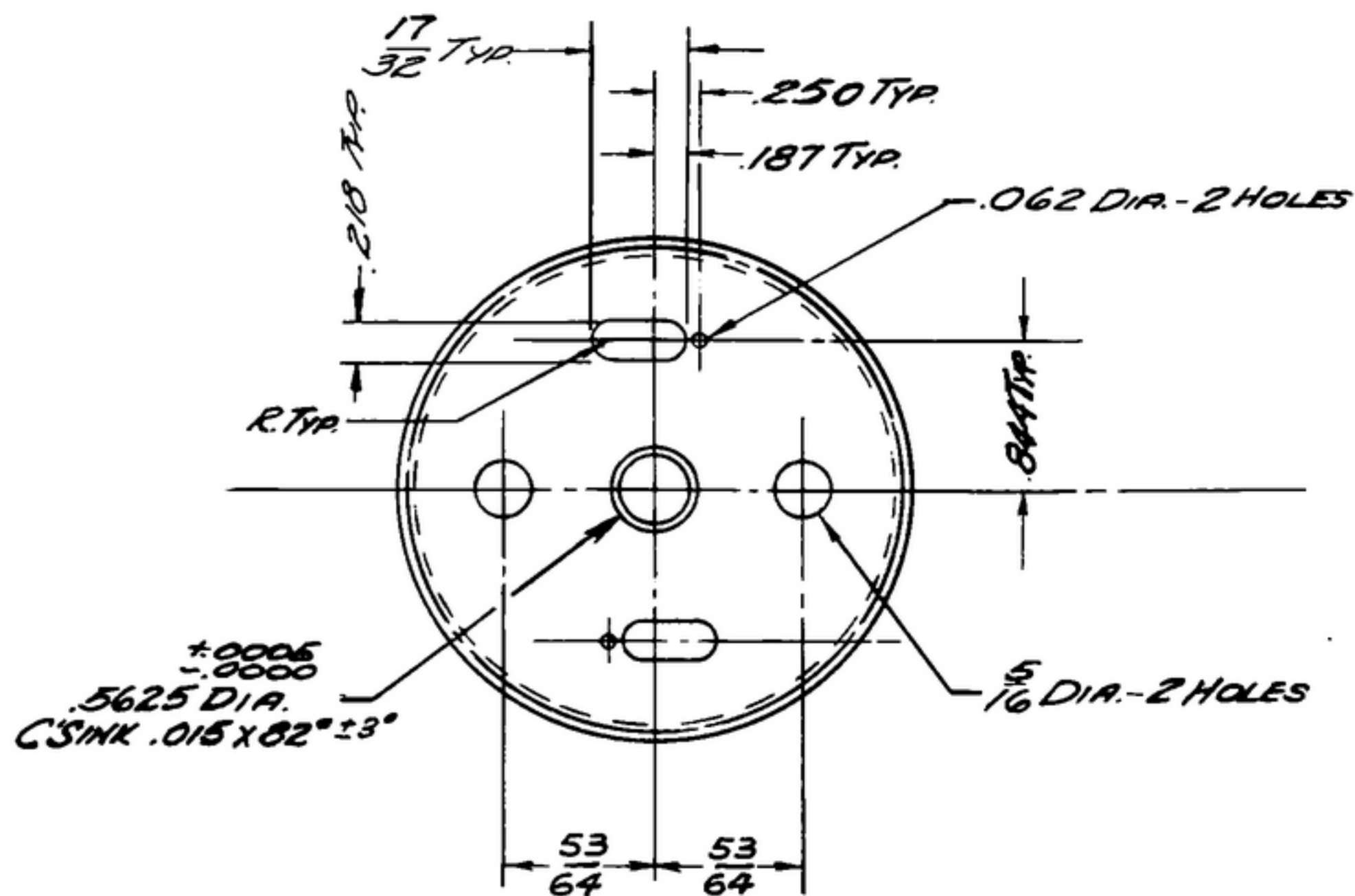
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*FOR INFORMATION ONLY. CONTRACTOR MAY AT HIS OPTION DEVIATE FROM THESE PROCESS DETAILS.

~~*SWE APPROVAL~~
~~SYM PR10042-2~~

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



(A₁)
 CRES, COMP 301, COND 1/2 H, PER
 SPEC MIL-5-5059, .0375 THICK.
 FINISH: E300 PER SPEC MIL-F-14072
 *~~COLLINS 558-0025-00~~

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. STANDARDS

COLLINS PART NO.	QTY	REQD	PART NO.	DESCRIPTION	MATL	MATL SPEC
LIST OF MATERIAL						
-COLLINS PART NO. 558-0260-002						

DRAWN <i>NUGEN</i>				CHECKED <i>Plm</i>		APPROVED		COLLINS RADIO CO. OSCAR RAPIDS, IOWA 142 K-PH 51-93		DEPARTMENT OF THE ARMY SIGNAL CORPS ENGINEERING LABORATORIES FORT MONMOUTH NEW JERSEY SM-B-248911	
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 ±.55° 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			
558-0316-003 + SM-C-248967 SGL-248775								REVIEWED <i>PME</i>			
COLLINS NO. QTY NEXT ASSY USED ON								APPROVED <i>HLV</i> <i>PME</i>			
APPLICATION								DATE <i>20 DEC 55</i> SCALE <i>1/1</i>			