

EQUIP. TYPE *A320A/AN* EXP. NO.

*COL-152-1510/1513-00*

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

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL

NOTES:  
 1. PART MAY BE #66878 SUPPLIED BY SUPPLEMENT MFG CO, BOSTON, MASS, OR EQUAL, PROVIDING IT MEETS THE FOLLOWING REQUIREMENTS & DIMENSIONS SHOWN.

DESCRIPTION: HIGH TEMPERATURE, EXTRUDED, FLEXIBLE THERMOPLASTIC TUBING.  
 MATERIAL: POLYTRIFLUOROCHLOROETHYLENE WHICH SHALL BE HOMOGENEOUS, FREE FROM FLAWS, DEFECTS, PINHOLES, BUBBLES, REAMS, CRACKS, OR INCLUSIONS.  
 COLOR: CLEAR OR TRANSLUCENT.  
 PLASTICIZER: AMOUNT CONSISTANT WITH TEMPERATURE RANGE AND FLEXIBILITY REQUIREMENTS.  
 AMBIENT TEMPERATURE RANGE: -55°C TO +150°C; SHORT TIME EXPOSURES (2 HOURS) UP TO +200°C. FAILURE SHALL NOT OCCUR DUE TO CRAZING AT -55°C WITH LIMITED FLEXURE APPLIED.  
 INFLAMMABILITY: NON-INFLAMMABLE  
 CORROSION: TUBING SHALL NOT ACCELERATE CORROSION OF ANY METALS WITH WHICH IT MAY COME IN CONTACT.  
 MILDEW RESISTANCE: FUNGI INERT.  
 DIELECTRIC STRENGTH: 450 VOLTS/MIL, LONG TIME RATING FOR THICKNESS SPECIFIED HEREIN.

COLLINS PART NO.	DASH NUMBER	GAUGE	WALL THICKNESS (INCHES)	INSIDE DIA. (INCHES) (NOM.) (MIN.) (MAX.)
<del>559 0187 002</del>	<del>SM-B-249213-1</del>	<del>20</del>	<del>.008<sup>±.002</sup></del>	<del>.034 .032 .039</del>
<del>559 0188 002</del>	<del>SM-B-249213-2</del>	<del>18</del>	<del>.009<sup>±.002</sup></del>	<del>.042 .040 .049</del>
<del>559 0189 002</del>	<del>SM-B-249213-3</del>	<del>16</del>	<del>.009<sup>±.002</sup></del>	<del>.053 .051 .061</del>

SM-B-148611	558 0333 004	SM-E-148387
SM-E-148675	558 0340 004	SM-C-148371 SC-DL-148280
SM-D-148528	558 0351 002	SM-D-248784
SM-C-148628	558 0364 005	SM-D-248801
SM-D-148708	558 0387 003	SM-B-249001
SM-E-148908 SC-DL-148300	558 0395 003	SM-E-249014
SM-D-148221	558 0396 004	SM-C-249037
SM-C-148395 SC-DL-148280	558 0452 005	SM-C-249045
NEXT ASSY	USED ON	SM-D-249008
		SM-E-249104
		SM-D-249104 SC-DL-248784

*WHEN PART NO. A320A/AN-152-1510-002 IS USED 2-2 MIL. SOURCE INSPECTION IS REQUIRED*

DRAWN	CHECKED	APPROVED	COLLINS RADIO-CEAS. DEPT. FORM 51-93
<i>L BAGGS</i>	<i>ES</i>		REVIEWED <i>PME</i>
UNLESS OTHERWISE SPECIFIED: DECIMAL DIMENSIONS INCLUDING HOLE SIZES MAY VARY ±.008 FRACTIONAL DIMENSIONS INCLUDING HOLE SIZES MAY VARY ±1/64 ROUNDED 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.			APPROVED <i>HLV</i> <i>PME</i>
DATE <i>2 MAR 56</i>			SCALE

LIST OF MATERIAL

**TUBING**

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

*SM-C-249213*

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