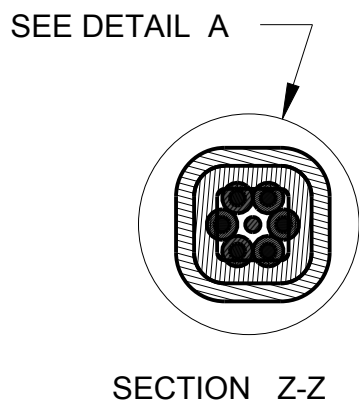
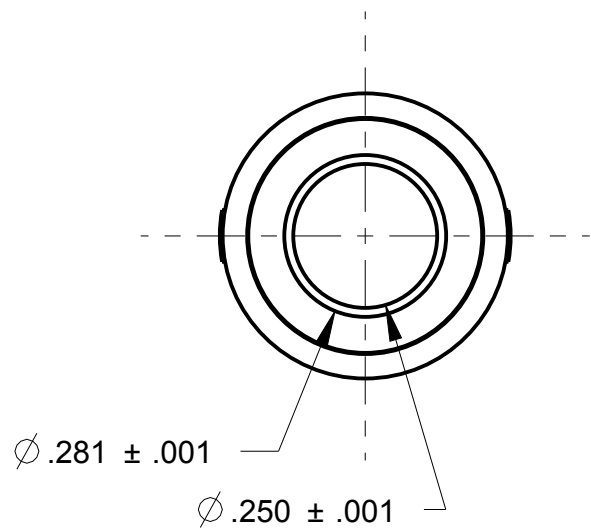


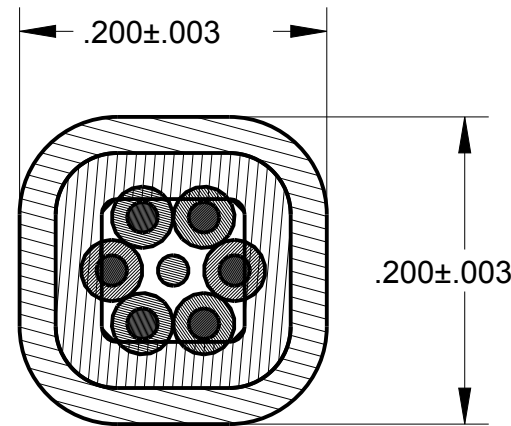
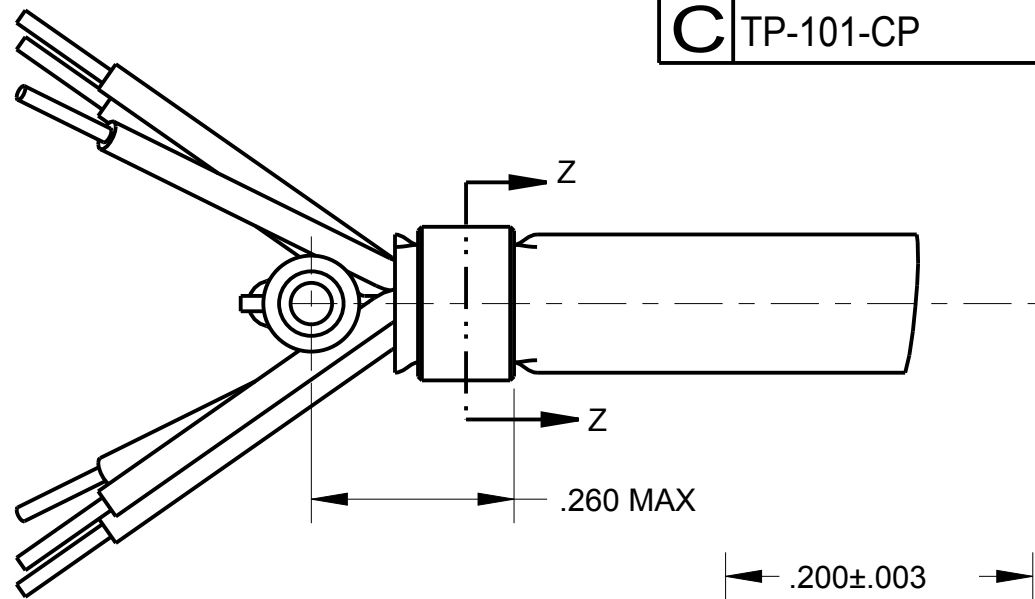
ITEM #	PART #	QTY	DESCRIPTION
1	TP-101-7	1	STACK & CABLE RETAINER ASSEMBLY
2	TP-101-9	1	CLAMP
3	TP-101-8	1	SHELL
4	TP-101-10	1	SPOOL
5	TP-101-11	1	RIVET

CONDENSED SPECIFICATIONS:

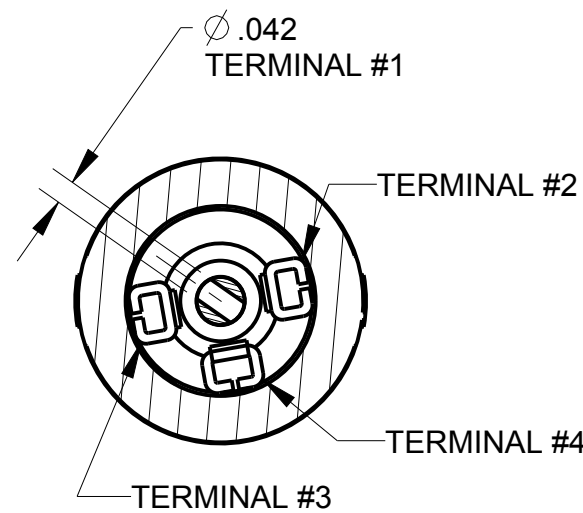
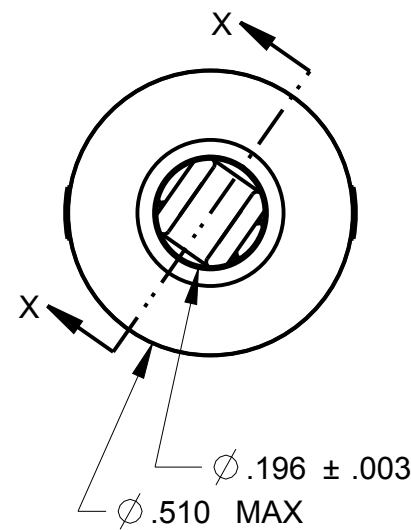
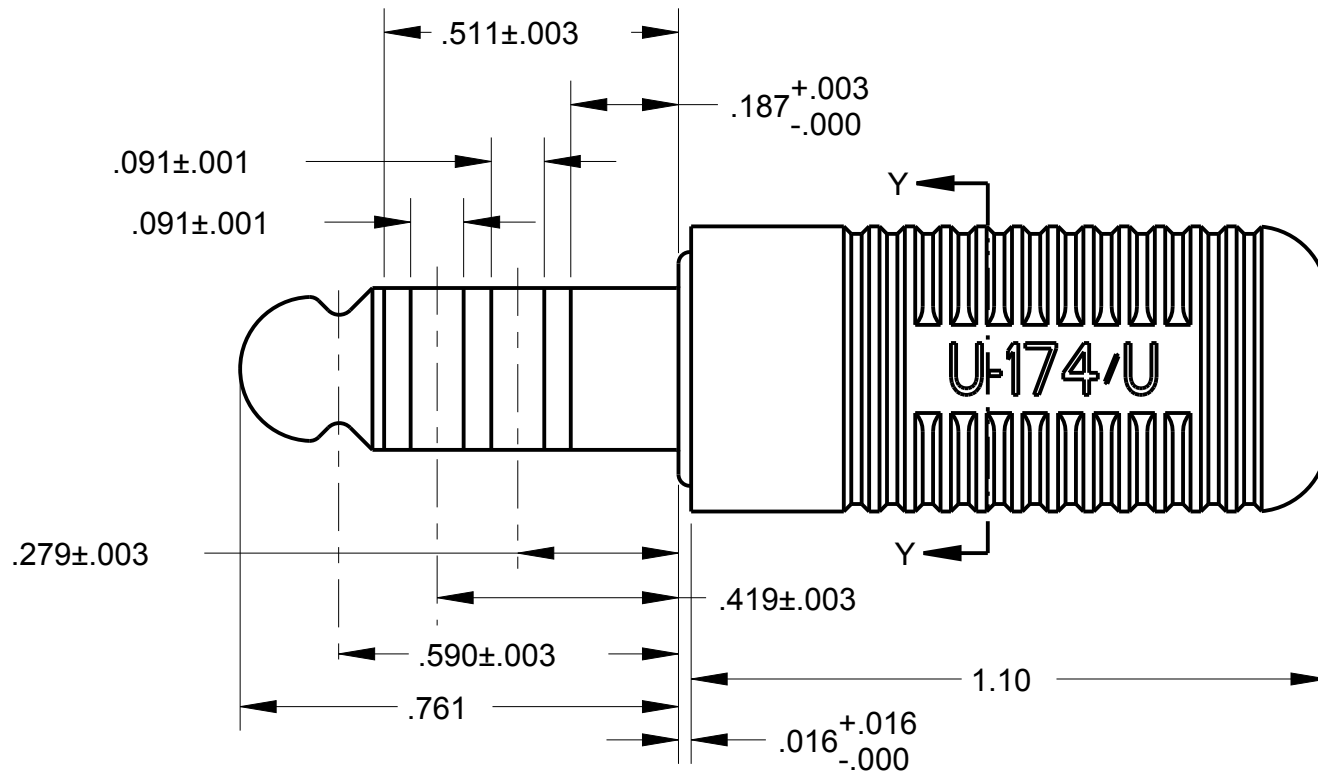
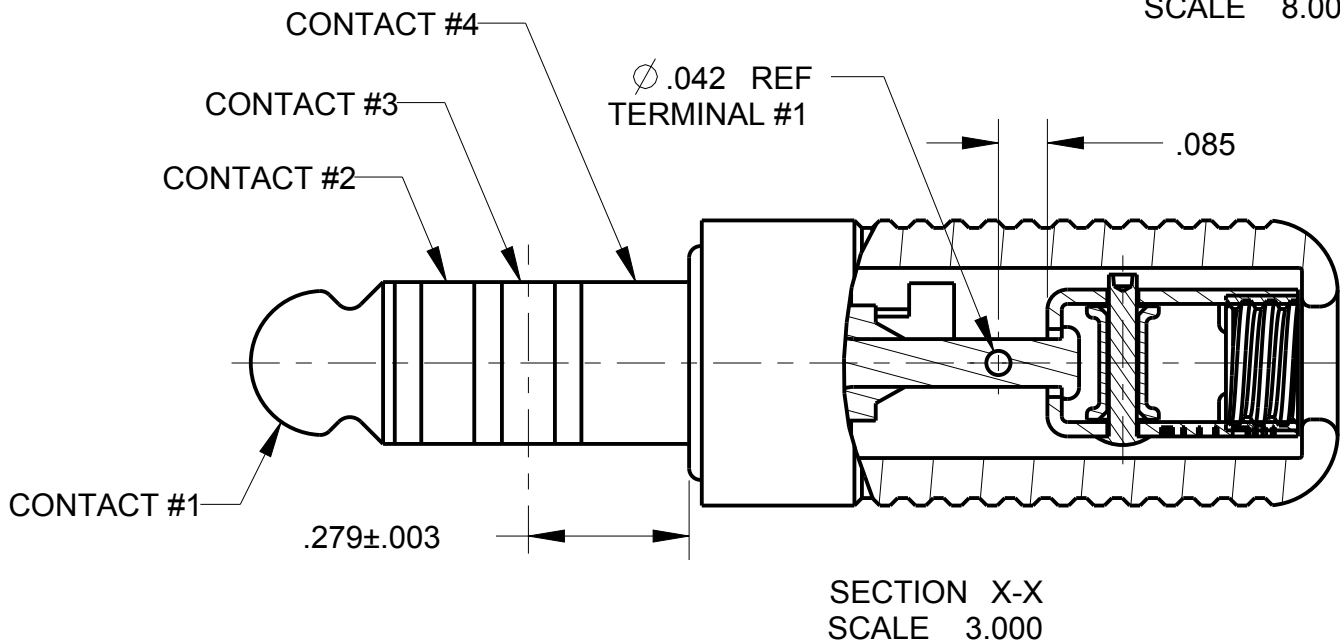
- 1) THIS PLUG MATES WITH TELEPHONE JACK U-92A/U PER MIL-T-9199
2) THE CABLE HARDWARE IS INTENDED FOR USE WITH CABLES SUCH AS THAT SHOWN ON AIR FORCE DWG #60C12501
3) THE SOLDER TERMINALS ARE TINNED & EACH WILL ACCEPT TWO STRANDED CONDUCTORS OF 320 CIRCULAR MILLS (37 BUNCH STRANDED AWG #40)
4) EACH CONDUCTOR IS OF ONE PIECE CONSTRUCTION (THERE ARE NO JOINTS OF ANY TYPE BETWEEN THE CONTACT AREA AND THE SOLDER TERMINALS)
5) THE $\varnothing .281$ STACK IS MACHINED AFTER INSERT MOLDING SO THE CONTACTS & INSULATION ARE FLUSH & CONCENTRIC
6) THE CABLE CLAMP WILL WITHSTAND A 25 LB PULL FOR AT LEAST 5 MINS
7) A SHOULDER IS FORMED AS AN INTEGRAL PART OF CONTACT #4 TO PERMIT MATING WITH OBSOLETE U-92/U JACKS
8) THE CONCENTRICITY OF THE BALL END OF THE PLUG TO THE $\varnothing .281$ IS SUCH THAT THE PLUG WILL FREELY ENTER A RING GAGE HAVING A MAX INTERNAL $\varnothing .284$ FOR A LENGTH OF .590 & A MAX INTERNAL DIAMETER OF $\varnothing .254$ FOR A LENGTH OF .175 WITH NO FORCE EXCEPT ITS OWN WEIGHT
9) MATERIALS:
A) CONTACTS: NICKEL-COPPER ALLOY PER FEDERAL SPEC QQ-N-281 (MONEL)
B) STACK INSULATION: MINN, MINING & MFG CO KEL-F
C) STRAIN RELIEF BRACKET: STAINLESS STEEL PER FEDERAL SPEC QQ-S-766, CLASS 4
D) CABLE HARDWARE: COPPER ALLOY, ZINC PLATED
E) SHELL: POLYIMIDE PLASTIC, BLACK PER MIL-P-17091, TYPE 1
10) ELECTRICAL:
A) DIELECTRIC STRENGTH: 500 VRMS MIN BETWEEN ANY PAIR OF CONTACTS
B) INSULATION RESISTANCE: 100 MEGAOHMS MIN BETWEEN ANY PAIR OF CONTACTS
C) CONTACT RESISTANCE: WHEN MATED WITH A U-92A/U TELEPHONE JACK & WITH A DIRECT CURRENT OF 100 MILLAMPERES @ 5 V (OPEN CIRCUIT VOLTAGE) FLOWING THRU THE CONTACTS, THE POTENTIAL DROP BETWEEN EACH PAIR OF CONTACTS WILL NOT EXCEED .005V
11) THIS TELEPHONE PLUG IS SUPPLIED IN A POLYTHYLENE BAG WITH THE CASE & CABLE HARDWARE UNASSEMBLED
12) USE CRIMP TOOL "HX4" & CRIMP DIE "Y1633" TO ATTACH "CLAMP", TP-101-9



DIMENSIONS FOR ATTACHING CABLE CLAMP



DETAIL A
SCALE 8.000



SECTION Y-Y

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						DWN.BY WHF	DATE 4/20/69	MATERIAL		
						CHECKED BY RKB	DATE	FINISH		
						APPR.BY WHF	DATE	WEIGHT	SCALE = 2.00 :1	<div>NEXUS</div> <div>STAMFORD,CONN</div> <div>SIZE</div> <div>C</div> <div>DWG. NO.</div> <div>TP-101-CP</div>
C	CHG: PLATING IN NOTE #9D	214	11/14 2014	HR	WHF	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES & OR (mm) TOLERANCES: DECIMAL: ±.XX(X.X) ±.XXX(X.XX) ±.XXXX(X.XXX) ±.0X(0.X) ±.00X(0.0X) ±.000X(0.0XX) FRACTION: ±X/XX ±X/XX ANGLES: ±X° ±X°		TITLE TELEPHONE PLUG U-174/U		
B	1) ADDED .050		11/19 1990							
A	REDRAWN		6/16 1965							
LET.	REVISION	CN #	DATE	CHK				DO NOT SCALE DWG.	SHEET 1 OF 1	

NEXUS
STAMFORD, CONN