



CONDENSED SPECIFICATIONS:

- 1) THIS PLUG MATES WITH TELEPHONE JACK U-92A/U PER MIL-T-9199
- 2) THE HARDWARE IS INTENDED FOR USE WITH CABLES SUCH AS SHOWN ON AIR FORCE DWG. NO. 60C12501
- 3) THE SOLDER TERMINALS ARE TINNED AND EACH WILL ACCEPT TWO STRANDED CONDUCTORS OF 320 CIRCULAR MILS (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 .281 STACK DIAMETER IS MACHINED AFTER INSERT MOLDING SO THE CONTACTS AND INSULATION ARE FLUSH AND CONCENTRIC.
- 6) THE ANCHOR WILL WITHSTAND A 25 POUND PULL FORCE
- 7) A SHOULDER IS FORMED AS AN INTEGRAL PART OF CONTACT NO. 4 TO PERMIT MATING WITH OBSOLETE U-92/U JACKS.
- 8) THE CONCENTRICITY OF THE BALL END OF THE PLUG TO THE .281 DIA. IS SUCH THAT THE PLUG WILL FREELY ENTER A RING GAGE HAVING A MAX INTERNAL DIA. OF .284 FOR A LENGTH OF .590 AND A MAX INTERNAL DIA. OF .254 FOR A LENGTH OF .175 WITH NO FORCE EXCEPT ITS OWN WEIGHT.
- 9) MATERIAL:
 - A) CONTACTS - NICKEL-COPPER ALLOY PER FEDERAL SPEC. QQ-S-281 (MNL).
 - B) STACK INSULATION - MINN MINING & MFG CO. "KEL-F".
 - C) STRAIN RELIEF - STAINLESS STEEL PER FEDERAL SPEC. QQ-S-766 CLASS 4.
 - D) SHELL - POLYAMIDE BLACK PER MIL-P-17091 TYPE I.
- 10) ELECTRICAL:
 - A) DIELECTRIC STRENGTH - 500 VOLTS RMS MIN. BETWEEN ANY PAIR OF CONTACTS.
 - B) INSULATION RESISTANCE - 100 MEG OHMS MIN. BETWEEN ANY PAIR OF CONTACTS.
 - C) CONTACT RESISTANCE - WHEN MATED WITH A U-92/U TELEPHONE JACK AND WITH A DIRECT CURRENT OF 100 MILLIAMPERES AT 5 VOLTS (OPEN CIRCUIT VOLTAGE) FOLLOWING THROUGH THE CONTACTS, THE POTENTIAL DROP BETWEEN EACH PAIR OF CONTACTS WILL NOT EXCEED .005 VOLTS.
- 11) THIS TELEPHONE PLUG IS SUPPLIED IN A POLYETHYLENE BAG WITH THIS CASE AND CABLE HARDWARE UNASSEMBLED.

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OWN BY	HR	DATE	12/16/10	MATERIAL	SEE DRAWING
CHECKED BY		DATE		FINISH	N/A
APPR. BY		DATE		WEIGHT	SCALE 4:1
TITLE				TELEPHONE PLUG U-174/U	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON				NEXUS STAMFORD, CONN.	
.XX ±.003 ANGLES ±.5°				SIZE DWG. NO.	
DO NOT SCALE DWG.				SHEET 1 OF 1	

B	CHG. 7-5/8 TO 1-29/32; 4.456 TO 1.114	166	4/18 2013	HR
A	NEW RELEASE		12/16 2010	HR
LET.	REVISION	CN #	DATE	CHK.

C TP-101S