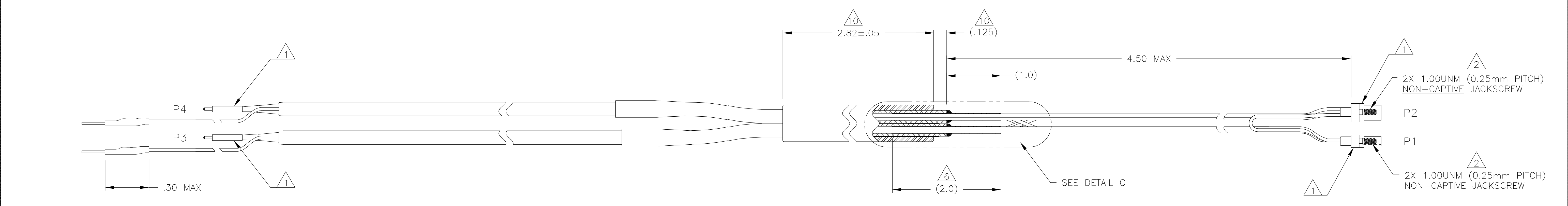
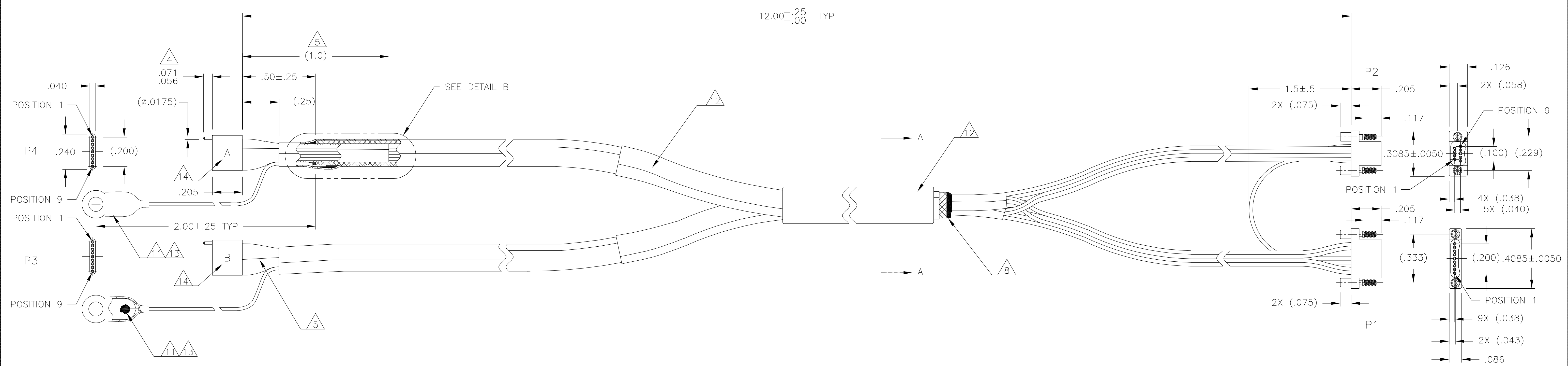


# CONNECTOR LAYOUT SHOWN FOR CLARITY ONLY, NO VERTICAL SPACING

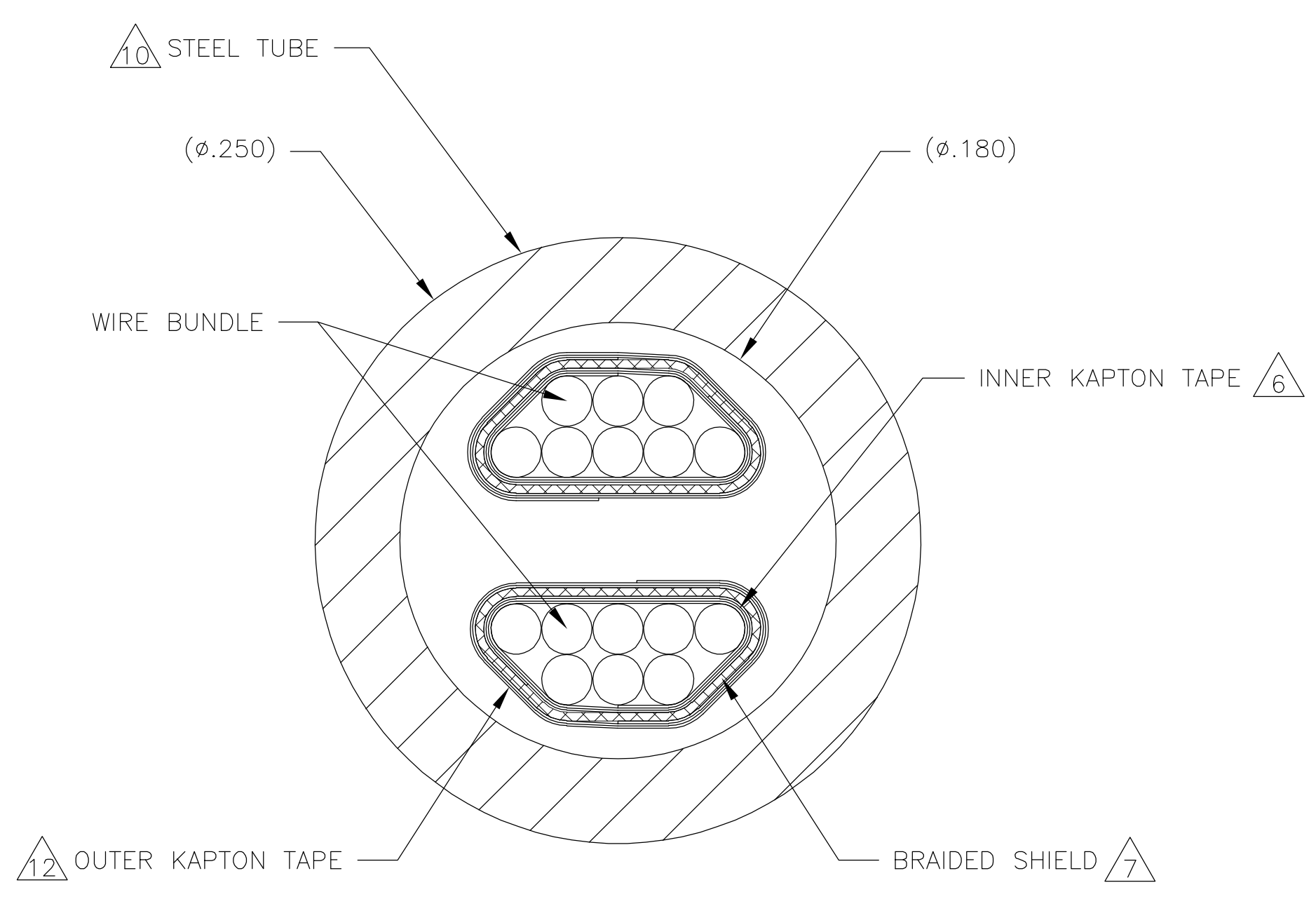
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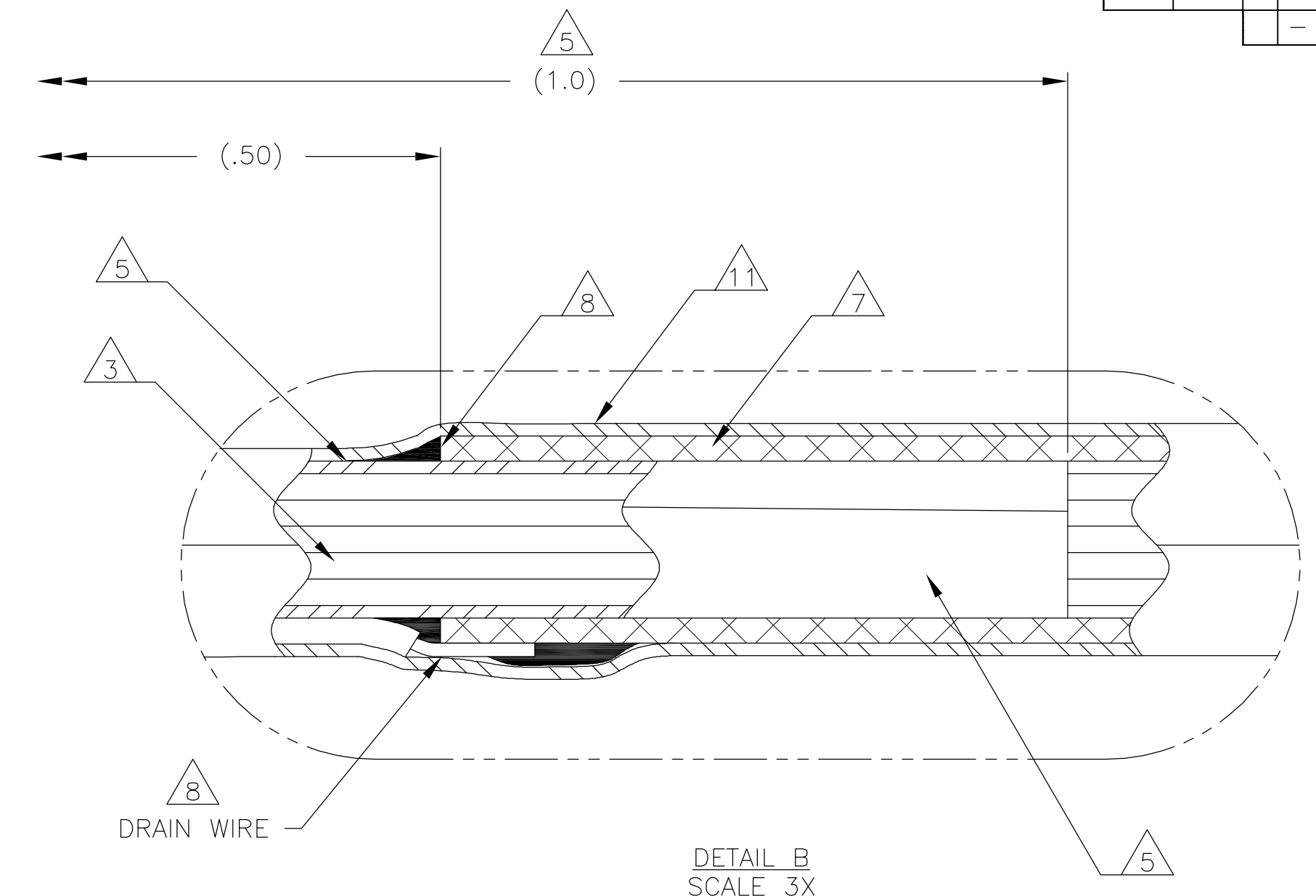
- 1 SHELL MATERIAL: LIQUID CRYSTAL POLYMER (LCP) PER MIL-M-24519 OR PER ASTM D5138
- 2 JACKSCREW MATERIAL: 303 STAINLESS STEEL, PASSIVATED PER SAE-AMS-2700, AND DRY LUBED PER DOD-L-85645. JACKSCREWS HAVE A .9mm HEX HEAD. JACKSCREWS ARE SHOWN IN THE SHELL FOR REFERENCE ONLY. JACKSCREWS ARE NON CAPTIVATED, AND ARE TO BE BAGGED SEPARATE FROM THE CONNECTOR AND SHIPPED WITH EACH ASSEMBLY.
- 3 THIS HARNESS TO BE TERMINATED WITH 30 AWG, 7 STRAND COLOR CODED TEFLON WIRE. SEE SCHEMATIC FOR DETAILS.
- 4 GUIDE POST MATERIAL IS 303 STAINLESS STEEL, PASSIVATED PER SAE-AMS-2700. GUIDE POSTS ARE TO BE BONDED INTO POSITION 1.
- 5 WRAP STRIP END OF CABLE ASSEMBLY WITH ONE 3/4" X 1" INCH LENGTH OF KAPTON TAPE, TYCO P/N 997997-9, TO DIMENSION SHOWN TO PROTECT WIRES FROM SOLDERED ENDS OF BRAIDED SHIELD. SEE SHEET 2 OF 2 FOR KAPTON TAPE WRAPPING METHOD.
- 6 WRAP BUNDLE AS SHOWN WITH ONE 3/4" X 2" INCH LENGTH OF KAPTON TAPE, TYCO P/N 997997-9 TO PROTECT WIRES FROM SOLDERED ENDS OF BRAIDED SHIELD. SEE SHEET 2 OF 2 FOR KAPTON TAPE WRAPPING METHOD.
- 7 COVER KAPTON TAPE AND WIRE BUNDLE WITH FLAT BRAIDED SHIELD AS SHOWN, TYCO P/N 22766-5
- 8 SOLDER BRAIDED SHIELD END WITH Sn96Ag04 SOLDER AND RMA FLUX TO PREVENT FRAYING AND TO ATTACH DRAIN WIRE
- 9 SOLDER BRAIDED SHIELD END WITH Sn96Ag04 SOLDER AND RMA FLUX TO PREVENT FRAYING
- 10 INSTALL 1/4" OD STEEL TUBING AS SHOWN, P/N 2-1589943-5. TUBE SHOULD SLIDE FREELY ALONG CABLE. INITIALLY LOCATE TUBE APPROX 1/8" FROM ENDS OF BRAID AS SHOWN. ENDS OF BRAIDED SHIELDS SHALL BE ALIGNED.
- 11 SOLDER WIRE LUG TO DRAIN WIRE AS SHOWN, P/N 2-1589943-6 USING Sn96Pb04 SOLDER AND RMA FLUX
- 12 WRAP EACH BUNDLE WITH AN OUTER LAYER OF KAPTON TAPE AS SHOWN USING TYCO P/N 997997-9. EACH LAYER SHALL OVERLAP APPROXIMATELY .25 OF AN INCH. SEE SHEET 2 OF 2 FOR OUTER KAPTON TAPE WRAPPING METHOD.
- 13 HIGH TEMPERATURE RAYCHEM RT-555 HEAT SHRINK IS APPLIED OVER THE RING LUG AND SOLDERED WIRE.
- 14 MARK PART WITH LETTER WHERE SHOWN WITH ENTHONE (HYSOL) M-9-N WHITE EPOXY INK, TYCO P/N 7-1589729-2.
- 15 DIMENSIONS TYPICAL FOR CONNECTORS P3 AND P4
- 16 NANONICS PART NUMBER: N12601

THIS DRAWING IS A CONTROLLED DOCUMENT.		DIN D. MORALES 16 MAR 06		Tyco Electronics Corporation Harrisburg, PA 17105													
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD M. STORRY 16 MAR 06													
<table border="1"> <tr><td>0 PLC</td><td>± .01</td></tr> <tr><td>1 PLC</td><td>± .01</td></tr> <tr><td>2 PLC</td><td>± .01</td></tr> <tr><td>3 PLC</td><td>± .005</td></tr> <tr><td>4 PLC</td><td>± .005</td></tr> <tr><td>ANGLES</td><td>± 1'</td></tr> </table>		0 PLC	± .01	1 PLC	± .01	2 PLC	± .01	3 PLC	± .005	4 PLC	± .005	ANGLES	± 1'	NAME: M. STORRY 16 MAR 06		HARNESS ASSY, TWO 9 POS UNSHROUDED STRIP PLUGS TO ONE 9 POS, 2 ROW PLUG AND ONE 9 POS, 1 ROW PLUG, PLASTIC, N12601	
0 PLC	± .01																
1 PLC	± .01																
2 PLC	± .01																
3 PLC	± .005																
4 PLC	± .005																
ANGLES	± 1'																
MATERIAL: SEE NOTES		FINISH: SEE NOTES		SIZE: A1													
SEE NOTES		SEE NOTES		WEIGHT: ---													
CUSTOMER DRAWING		SCALE: 3:1		SHEET 1 OF 3													
		DRAWING NO: A1		REV: A1													

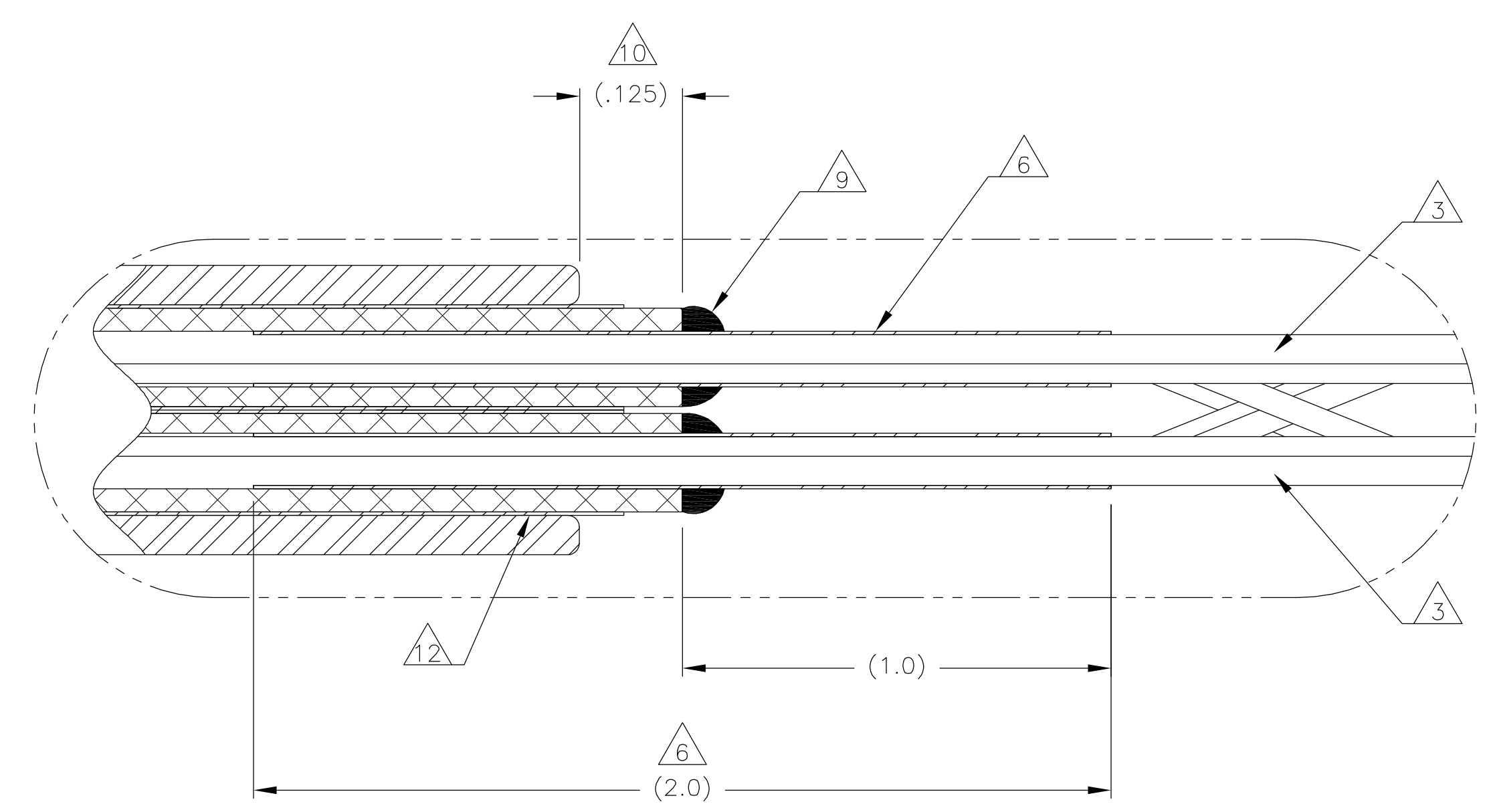
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P	LTR	DESCRIPTION	DATE	DNW	APVD		
-	-	SEE SHEET 1	-	-	-	-	-



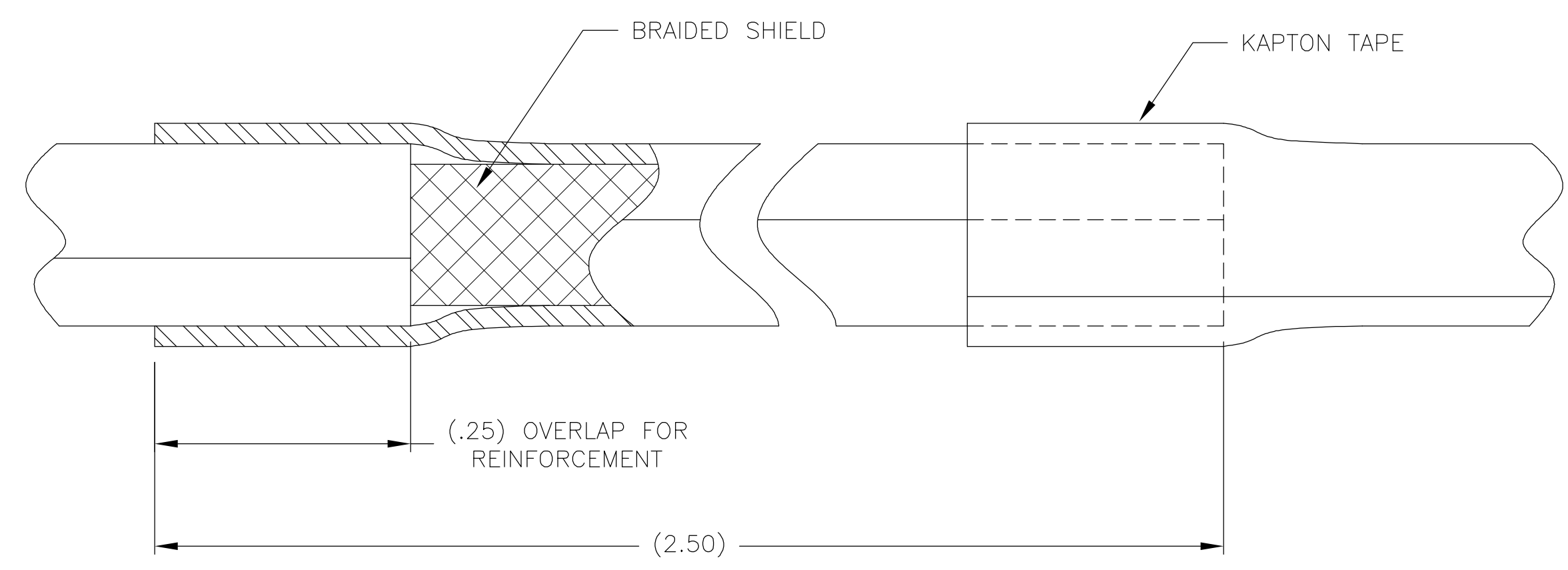
SECTION A-A  
SCALE 6X



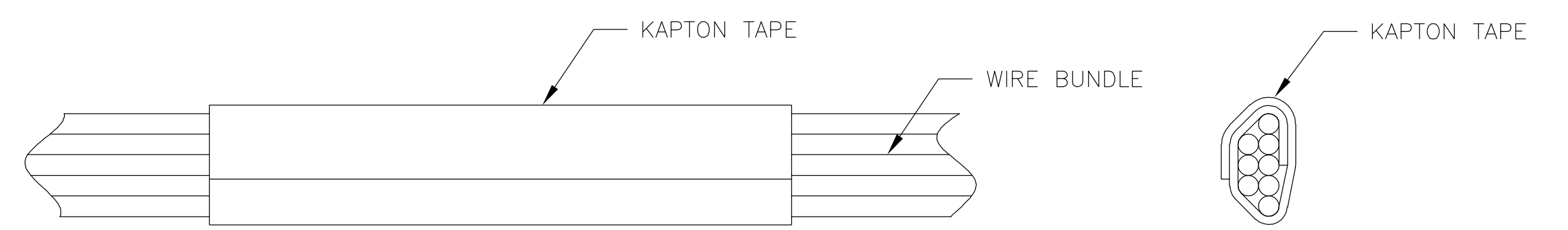
DETAIL B  
SCALE 3X



DETAIL C  
SCALE 3X



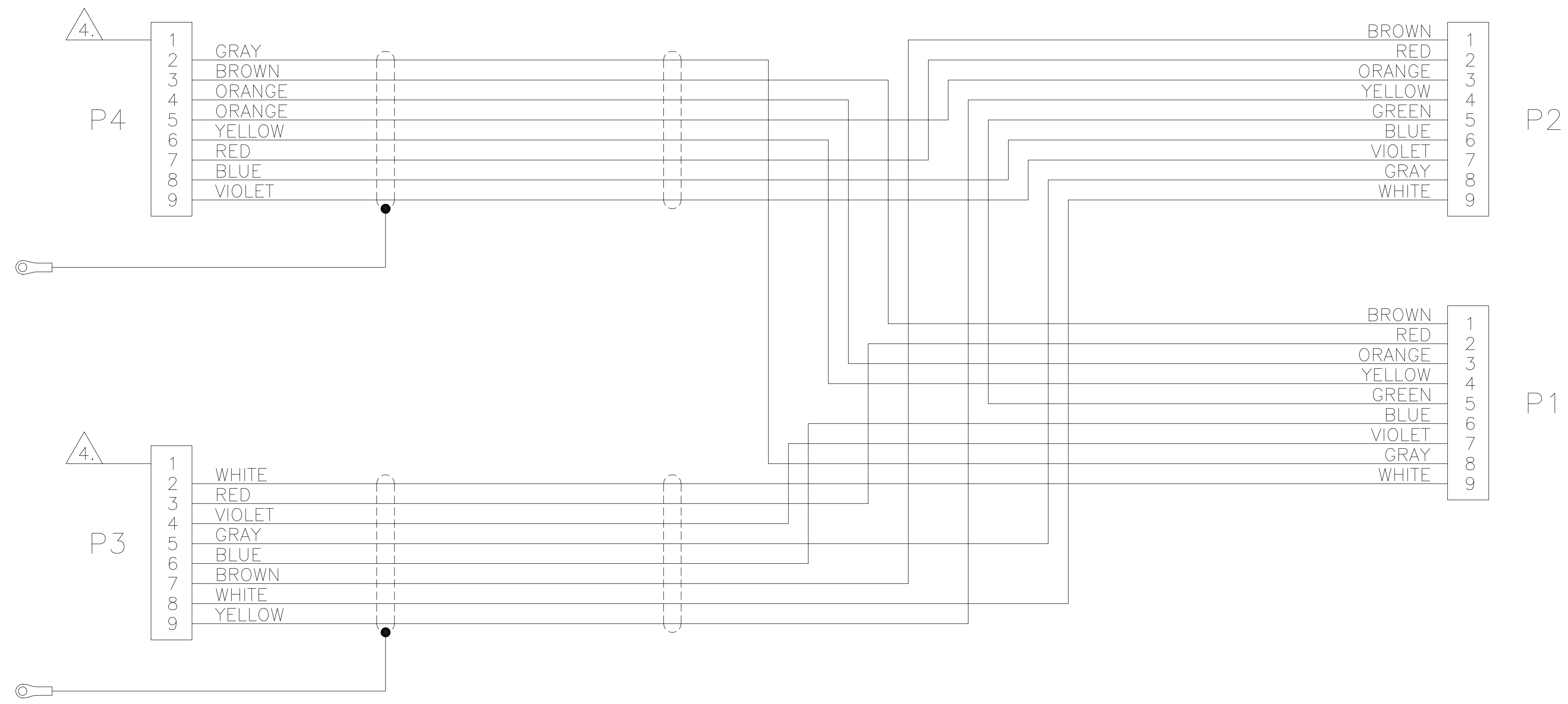
OUTER KAPTON TAPE  
WRAPPING METHOD 12



KAPTON TAPE  
WRAPPING METHOD 5 6

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN: D. MORALES 16 MAR 06 CHK: M. STORRY 16 MAR 06 APVD: M. STORRY 16 MAR 06	Tyco Electronics Corporation Harrisburg, PA 17105
DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0. PLC ± - 1. PLC ± - 2. PLC ± .010 3. PLC ± .005 4. PLC ± - ANGLES ± 1°	NAME: HARNES ASSY, TWO 9 POS UNSHROUDED STRIP PLUGS TO ONE 9 POS, 2 ROW PLUG AND ONE 9 POS, 1 ROW PLUG, PLASTIC, N12601 PRODUCT SPEC: - APPLICATION SPEC: -	SIZE: A1 CAGE CODE: 5-1589943-0 DRAWING NO: - WEIGHT: -
MATERIAL: SEE NOTES	FINISH: SEE NOTES	RESTRICTED TO: -	SCALE: NONE SHEET: 2 OF 3 REV: A1

LOC		DIST		REVISIONS			
P	LTR	DESCRIPTION	DATE	DNW	APVD		
--	--	SEE SHEET 1	-	-	-		



SCHEMATIC 3.

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN: D. MORALES 16 MAR 06 CHK: M. STORRY 16 MAR 06 APVD: M. STORRY 16 MAR 06	<b>tyco</b> Electronics Tyco Electronics Corporation Harrisburg, PA 17105
DIMENSIONS: INCHES 	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLG ± - 1 PLG ± - 2 PLG ± .010 3 PLG ± .005 4 PLG ± - ANGLES ± ± 1°	NAME: HARNES ASSY, TWO 9 POS UNSHROUDED STRIP PLUGS TO ONE 9 POS, 2 ROW PLUG AND ONE 9 POS, 1 ROW PLUG, PLASTIC, N12601 APPLICATION SPEC: - SIZE: A1 CAGE CODE: 0PUN9 DRAWING NO: 5-1589943-0	RESTRICTED TO: - SCALE: NONE SHEET: 3 OF 3 REV: A1
MATERIAL: SEE NOTES	FINISH: SEE NOTES	WEIGHT: -	CUSTOMER DRAWING