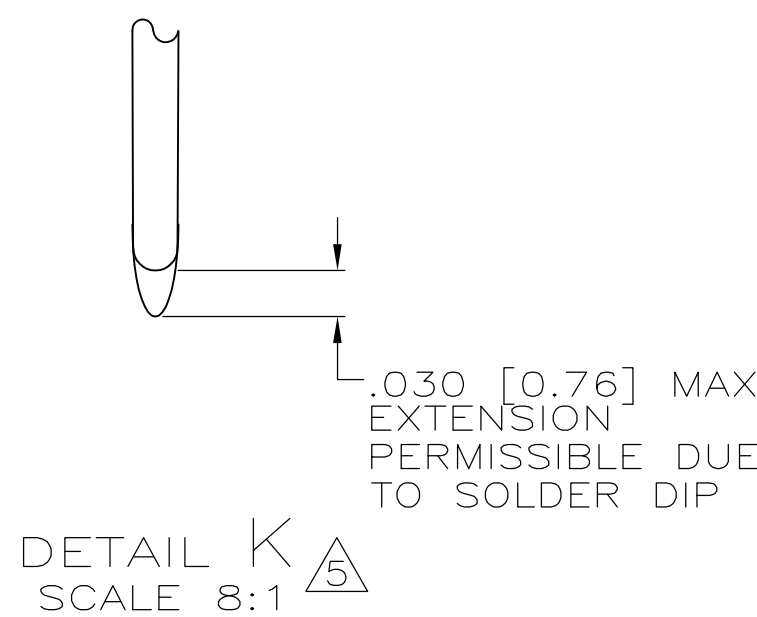
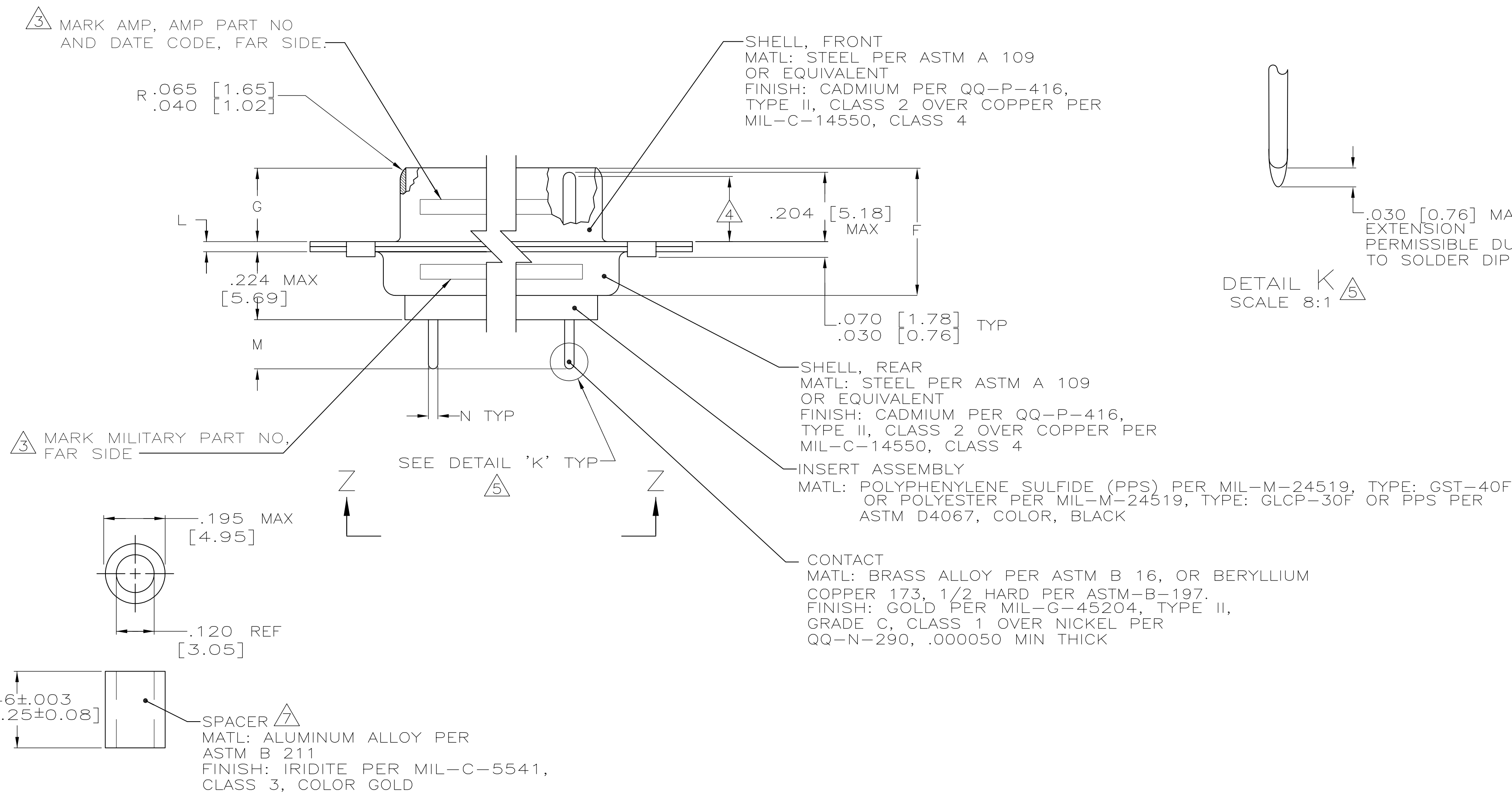
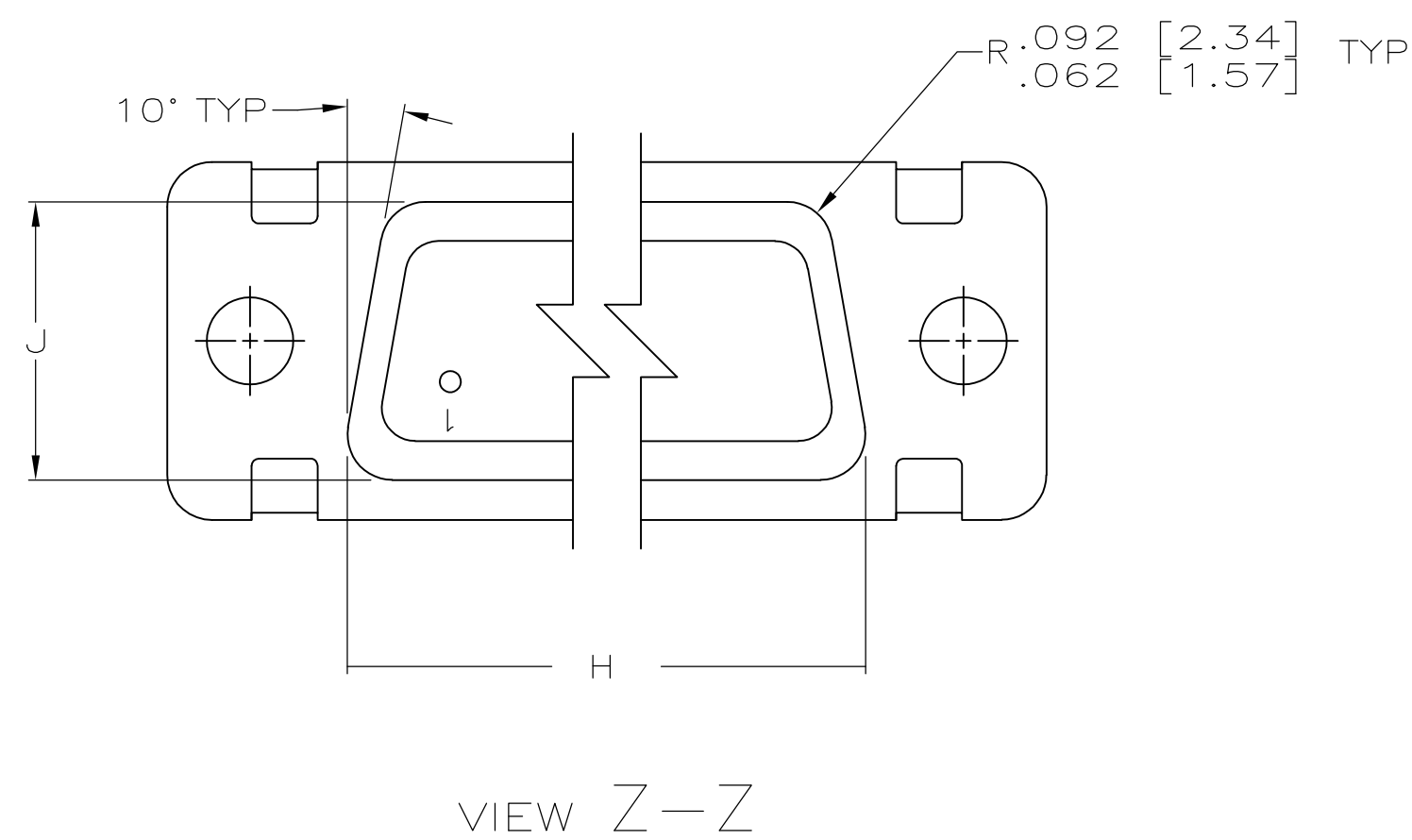
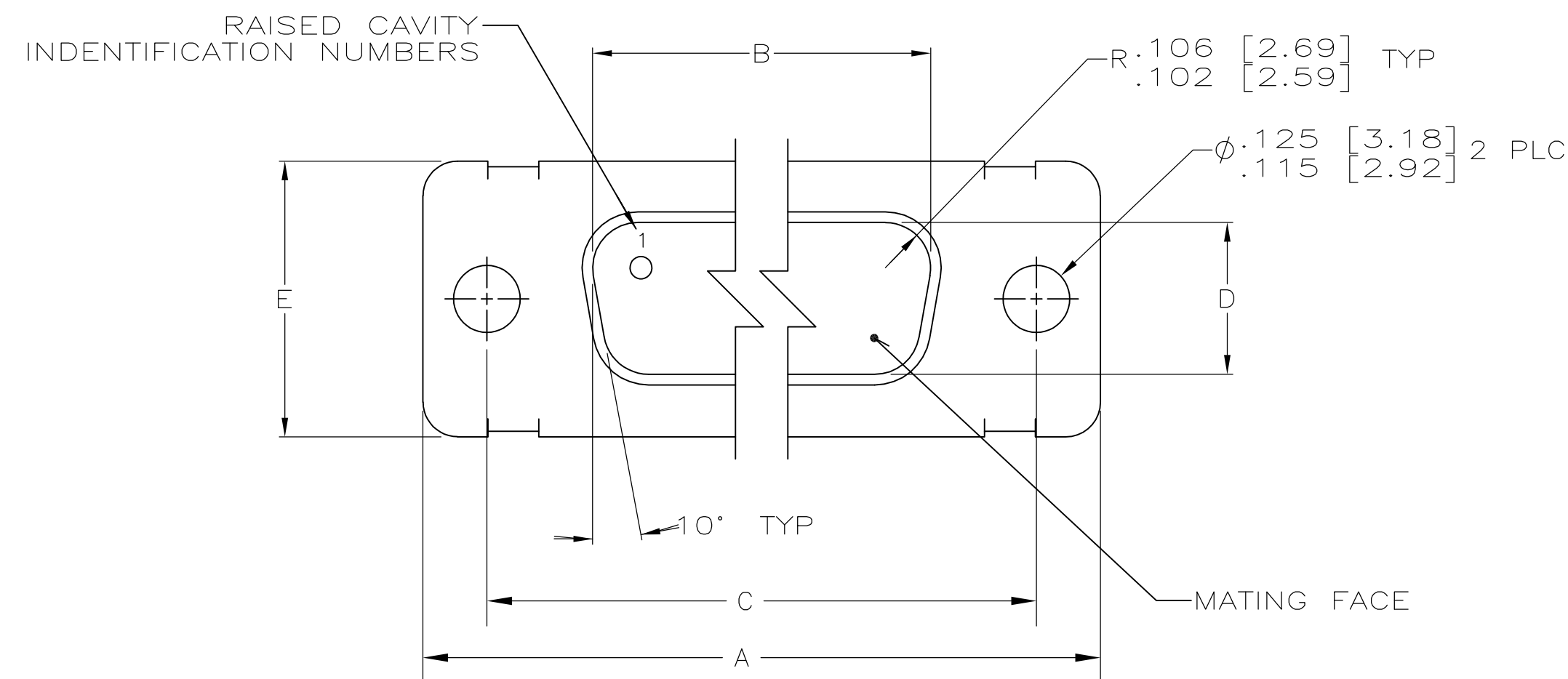




- ① SEE SHEET 2 FOR RECOMMENDED P.C. BOARD LAYOUT. TRUE POSITION TOLERANCE FOR P.C. BOARD LAYOUT IS .010 [0.25] AT MAX MATERIAL CONDITION. SUGGESTED BOARD THICKNESS IS .094 [2.39]
- ② THE CONNECTORS DESCRIBED IN THIS DOCUMENT MEET THE REQUIREMENTS OF MIL-C-24308 AND MATE WITH ANY RECEPTACLE CONNECTOR WITH SAME INSERT ARRANGEMENT.
- ③ MARK WITH .047 [1.19]—.062 [1.57] HIGH CHARACTERS.
FAR SIDE REFERS TO THE WIDE SIDE OF THE KEYSTONE.
NEAR SIDE REFERS TO THE NARROW SIDE OF THE KEYSTONE.
IF THE REAR SHELL IS TOO SMALL FOR THE ENTIRE MILITARY PART NUMBER, MARKING SHALL BE LOCATED AS FOLLOWS:
 - A. "M24308" ON FRONT SHELL, FAR SIDE.
 - B. SLASH SHEET AND DASH NUMBER ON REAR SHELL, FAR SIDE.
 - C. "AMP" AND DATE CODE ON FRONT SHELL, NEAR SIDE.
 - D. AMP PART NUMBER ON REAR SHELL, NEAR SIDE.

- IF THE FRONT SHELL IS TOO SMALL FOR "AMP", AMP PART NUMBER AND DATE CODE, THEN SPLIT AS FOLLOWS:
- A. AMP PART NUMBER ON REAR SHELL, NEAR SIDE.
 - B. "AMP" AND DATE CODE ON FRONT SHELL, NEAR SIDE.
 - C. MILITARY PART NUMBER ON REAR SHELL, FAR SIDE.

- ④ REQUIREMENT FOR FULL PIN DIAMETER EXTENSION:
 .159 [4.04] MIN, SHELL SIZES 1 AND 2.
 .150 [3.81] MIN, SHELL SIZES 3, 4, AND 5.
- ⑤ SOLDER DIP PER MIL-STD-2000 COMPOSITION Sn63 CONFORMING TO QQ-S-571.
 COVERAGE SHALL BE COMPLETE TO A DISTANCE .020 [0.51] MAX FROM
 INSERT ASSEMBLY.

6. THE SOLDER DIP PROCESS IS PERFORMED SUBSEQUENT TO THE COMPLETION OF PRODUCTION OF THE MILITARY QUALIFIED CONNECTOR. DIMENSIONS APPLY PRIOR TO SOLDER DIPPING.

- △ SPACERS (QTY 2) ARE SUPPLIED WITH CONNECTORS
(NOT ATTACHED TO THE CONNECTOR).

8. DIMENSIONS AND TOLERANCES PER ANSI Y14.5M-1982.

9. THIS DRAWING SHALL BE INTERPRETED IN ACCORDANCE WITH APPLICABLE STANDARDS LISTED IN MIL-STD-100.

.033 .027 [0.84 0.69]	.176 .136 [4.47 3.45]	.049 [1.24 .029 [0.74]]	.544 [13.82 .524 [13.31]]	2.188 [55.58 2.168 [55.07]]	.236 [5.99 .224 [5.69]]	.436 [11.07 .416 [10.57]]	.620 [15.75 .590 [14.99]]	.446 [11.33 .436 [11.07]]	2.411 [61.24 2.401 [60.99]]	2.084 [52.93 2.074 [52.68]]	2.650 [67.31 2.620 [66.55]]	MS18277-1	50	5	M24308/24-5F	1218124-5	1-1218124-0 [△] ₅
			2.282 [57.96 2.262 [57.45]]	2.505 [63.63 2.495 [63.37]]			2.187 [55.55 2.177 [55.30]]	2.744 [69.70 2.714 [68.94]]	MS18276-1	37	4	M24308/24-4F	1218124-4	1218124-9 [△] ₅			
			.432 [10.97 .412 [10.46]]	1.635 [41.53 1.615 [41.02]]			1.857 [47.17 1.847 [46.91]]	1.539 [39.09 1.529 [38.84]]	2.103 [53.42 2.073 [52.65]]	MS18275-1	25	3	M24308/24-3F	1218124-3	1218124-8 [△] ₅		
			1.093 [27.76 1.073 [27.25]]	1.317 [33.45 1.307 [33.20]]			.999 [25.37 .989 [25.12]]	1.556 [39.52 1.526 [38.76]]	MS18274-1	15	2	M24308/24-2F	1218124-2	1218124-7 [△] ₅			
		.040 [1.02 .020 [0.51]]	.769 [19.53 .749 [19.02]]	.989 [25.12 .979 [24.87]]	.671 [17.04 .661 [16.79]]	1.228 [31.19 1.198 [30.43]]	MS18273-1	9	1	M24308/24-1F	1218124-1	1218124-6 [△] ₅					
			.544 [13.82 .524 [13.31]]	2.188 [55.58 2.168 [55.07]]	.620 [15.75 .590 [14.99]]	.446 [11.33 .436 [11.07]]	2.411 [61.24 2.401 [60.99]]	2.084 [52.93 2.074 [52.68]]	2.650 [67.31 2.620 [66.55]]	MS18277-1	50	5	M24308/24-5F	1218124-5	1218124-5		
			2.282 [57.96 2.262 [57.45]]	2.505 [63.63 2.495 [63.37]]	2.187 [55.55 2.177 [55.30]]	2.744 [69.70 2.714 [68.94]]	MS18276-1	37	4	M24308/24-4F	1218124-4	1218124-4					
			.432 [10.97 .412 [10.46]]	1.635 [41.53 1.615 [41.02]]	1.857 [47.17 1.847 [46.91]]	1.539 [39.09 1.529 [38.84]]	2.103 [53.42 2.073 [52.65]]	MS18275-1	25	3	M24308/24-3F	1218124-3	1218124-3				
.040 [1.02 .020 [0.51]]	.769 [19.53 .749 [19.02]]	.989 [25.12 .979 [24.87]]	.671 [17.04 .661 [16.79]]	1.228 [31.19 1.198 [30.43]]	MS18273-1	9	1	M24308/24-1F	1218124-1	1218124-1							
N	M	L	J	H	G	F	E	D	C	B	A	INSERT ARRANGEMENT	NO OF POS	SHELL SIZE	MILITARY P/N ON CONNECTOR [△] ₃	AMP P/N ON CONNECTOR [△] ₃	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.				DIN P. YEAGER	50DEC97	Tyco Electronics		Tyco Electronics Corporation Harrisburg, PA 17105-3608	
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED:		AWR H. WYNKOOP	50C9C97	NAME			
		0 PLG ± — 1 PLG ± — 2 PLG ± — 3 PLG ± — 4 PLG ± — ANGLES ± —		PRODUCT SPEC 		AMPLIMITE PLUG ASSY, LOW PROFILE SIZE 20 POSTED, .030 DIA SHORT POST SERIES 109, SHELL SIZES 1 THRU 5			
MATERIAL SEE CALLOUTS		FINISH SEE CALLOUTS		WEIGHT —		SIZE CAGE CODE DRAWING NO		RESTRICTED TO	
				CUSTOMER DRAWING		A100779 C=1218124		SCALE 4:1 SHEET 1 OF 2 REV F	

