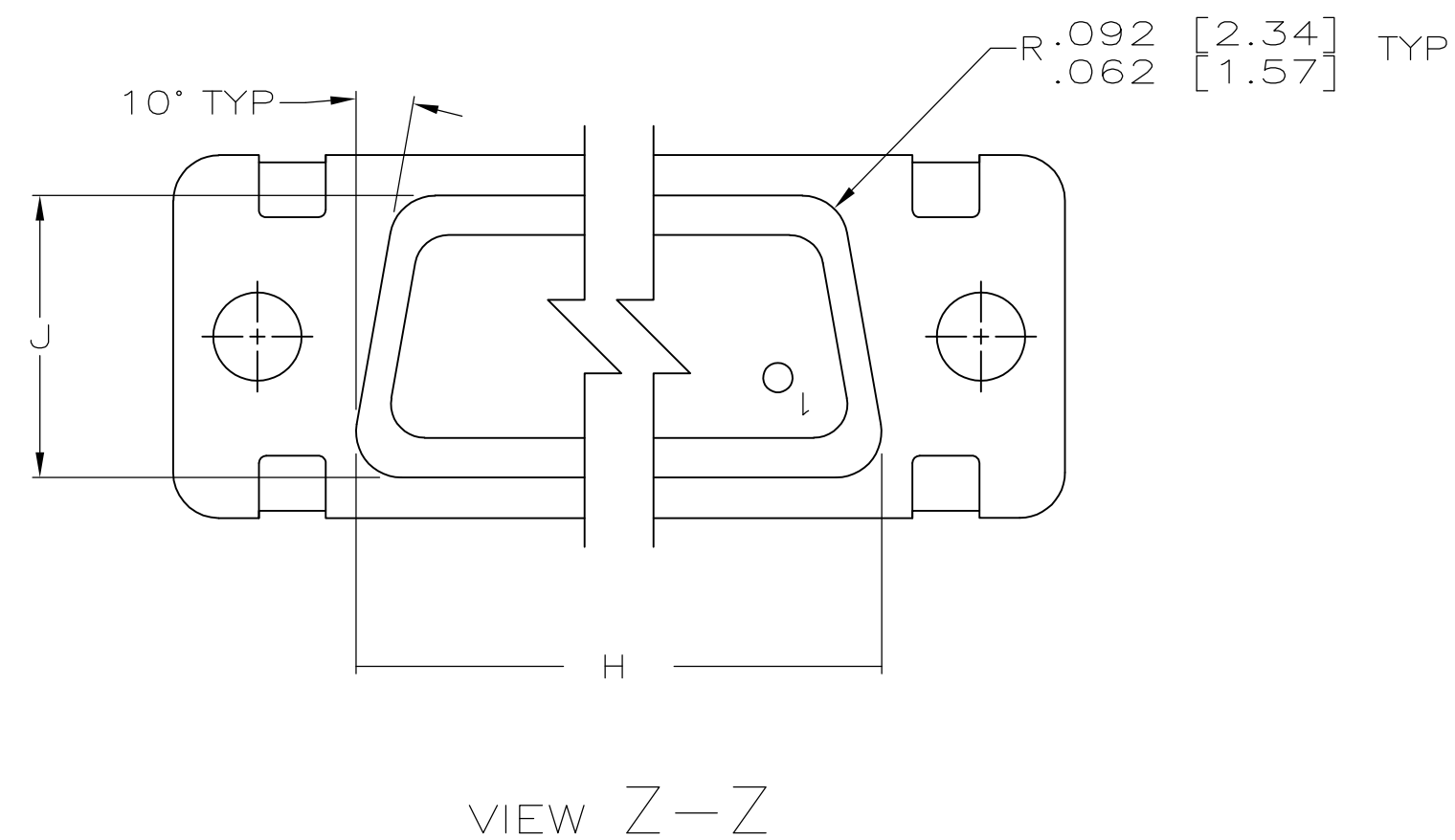




2. THE CONNECTORS DESCRIBED IN THIS DOCUMENT MEET THE REQUIREMENTS OF MIL-C-24308 AND MATE WITH ANY PLUG CONNECTOR WITH SAME INSERT ARRANGEMENT.

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. PART NUMBER ON REAR SHELL, NEAR SIDE.

IF THE FRONT SHELL IS TOO SMALL FOR "AMP", PART NUMBER AND DATE CODE, THEN SPLIT AS FOLLOWS:

A. 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 POINT OF ELECTRICAL ENGAGEMENT – AS MEASURED WITH
A .0390 [0.991]–.0393 [0.998] DIA SQUARE ENDED TEST PIN.

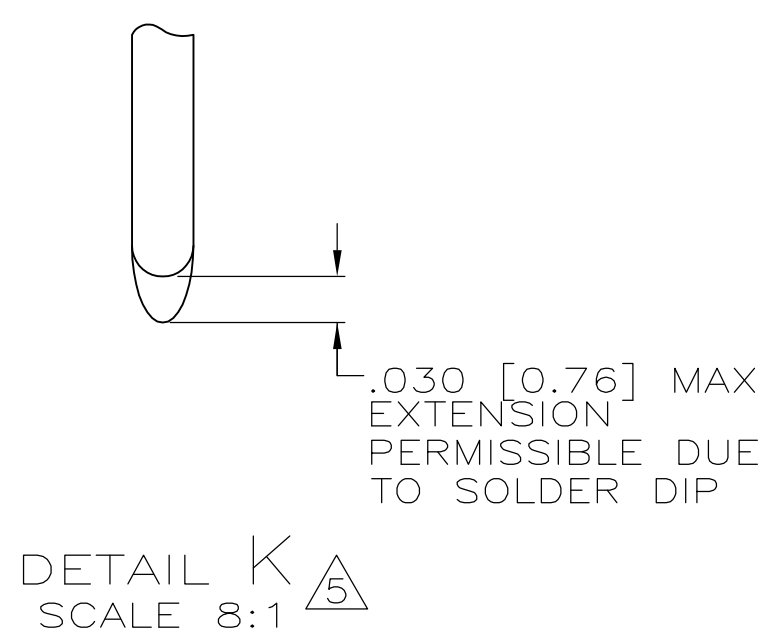
⑤ SOLDER DIP PER MIL-STD-2000 COMPOSITION Sn63 CONFORMING TO QQ-S-571.
COVERAGE SHALL BE COMPLETE TO A DISTANCE .020 [0.51] MAX FROM
INSERT ASSEMBLY.

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

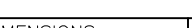
△ SPACERS (QTY 2) ARE SUPPLIED WITH CONNECTORS
(NOT ATTACHED TO THE CONNECTOR).

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	.208 .168	[5.28 4.27	.040 .020	[1.02 0.51	.544 [13.82 .524 [13.31	2.188 [55.58 2.168 [55.07	.248 .238	[6.30 6.05	.439 .419	[11.15 10.64	.620 [15.75 .590 [14.99	.428 [10.87 .418 [10.62	2.411 [61.24 2.401 [60.99	2.069 [52.55 2.059 [52.30	2.650 [67.31 2.620 [66.55	MS18277-1	50	5	M24308/23-11F	443976-5	1-443976-0					
						.432 .412	[10.97 10.46					2.282 [57.96 2.262 [57.45	.509 .479	[12.93 12.17	.316 .306	[8.03 7.77	2.505 [63.63 2.495 [63.37	2.164 [54.97 2.154 [54.71	2.744 [69.70 2.714 [68.94	MS18276-1	37	4	M24308/23-10F	443976-4	443976-9		
												1.635 [41.53 1.615 [41.02					1.857 [47.17 1.847 [46.91	1.516 [38.51 1.506 [38.25	2.103 [53.42 2.073 [52.65	MS18275-1	25	3	M24308/23-9F	443976-3	443976-8		
												1.093 [27.76 1.073 [27.25					1.317 [33.45 1.307 [33.20	.976 [24.79 .966 [24.54	1.556 [39.52 1.526 [38.76	MS18274-1	15	2	M24308/23-8F	443976-2	443976-7		
												.769 [19.53 .749 [19.02					.989 [25.12 .979 [24.87	.648 [16.46 .638 [16.21	1.228 [31.19 1.198 [30.43	MS18273-1	9	1	M24308/23-7F	443976-1	443976-6		
						.432 .412	[10.97 10.46					.544 [13.82 .524 [13.31	2.188 [55.58 2.168 [55.07	.509 .479	[12.93 12.17	.316 .306	[8.03 7.77	2.411 [61.24 2.401 [60.99	2.069 [52.55 2.059 [52.30	2.650 [67.31 2.620 [66.55	MS18277-1	50	5	M24308/23-11F	443976-5	443976-5	
												2.282 [57.96 2.262 [57.45	2.505 [63.63 2.495 [63.37					2.164 [54.97 2.154 [54.71	2.744 [69.70 2.714 [68.94	MS18276-1	37	4	M24308/23-10F	443976-4	443976-4		
												1.635 [41.53 1.615 [41.02	1.857 [47.17 1.847 [46.91					1.516 [38.51 1.506 [38.25	2.103 [53.42 2.073 [52.65	MS18275-1	25	3	M24308/23-9F	443976-3	443976-3		
												1.093 [27.76 1.073 [27.25	1.317 [33.45 1.307 [33.20					.976 [24.79 .966 [24.54	1.556 [39.52 1.526 [38.76	MS18274-1	15	2	M24308/23-8F	443976-2	443976-2		
																.769 [19.53 .749 [19.02						.989 [25.12 .979 [24.87	.648 [16.46 .638 [16.21	1.228 [31.19 1.198 [30.43	MS18273-1	9	1
N	M	L	J		H		G		F		E		D		B		A	INSERT ARRANGEMENT	NO OF POS	SHELL SIZE	MILITARY P/N ON CONNECTOR		P/N ON CONNECTOR		PART NUMBER		

THIS DRAWING IS A CONTROLLED DOCUMENT.				DWN J.A.BAKER	05MAY97	 TE Connectivity	
DIMENSIONS: INCHES		TOLERANCES, UNLESS OTHERWISE SPECIFIED:		DWG —	APVD —	NAME	AMPLIMITE RECEPTACLE ASSY W/ SIZE 20 POSTED PC BOARD CONTACTS SERIES 109, SHELL SIZES 1 THRU 5
		Ø PLG ± — 1 PLG ± — 2 PLG ± — 3 PLG ± — 4 PLG ± — ANGLES FINISH ± —		PRODUCT SPEC —		APPLICATION SPEC	
MATERIAL	—			WEIGHT —		SIZE CAGE CODE DRAWING NO	
				CUSTOMER DRAWING		A1 00779 C=443976	
						SCALE 4:1	SHEET 1 OF 2
						REV D	

LOC	DIST	REVISIONS					
DF	DO	P	LTR	DESCRIPTION	DATE	DWN	APVD
			—	SEE SHEET 1	—	—	—

