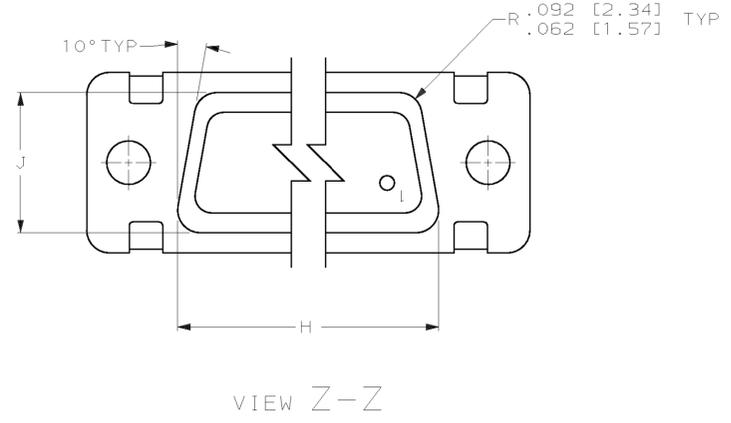
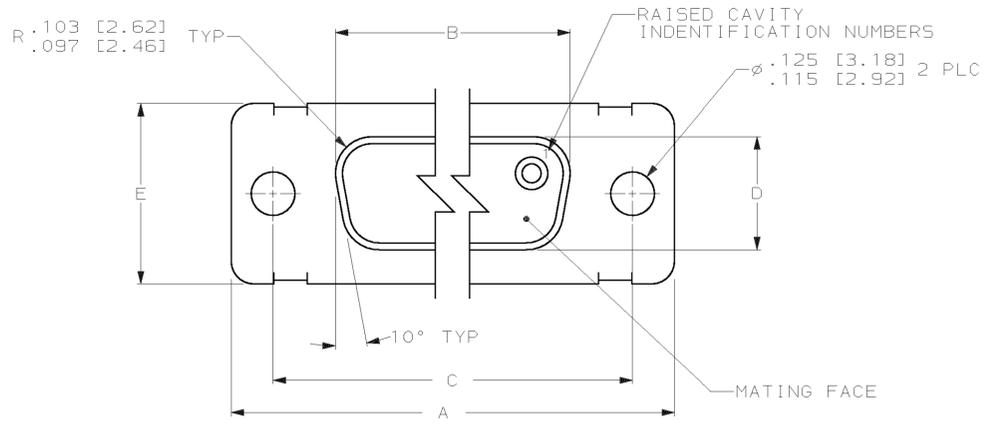
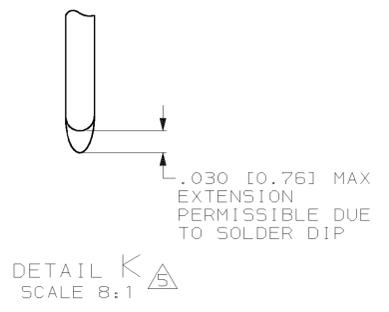
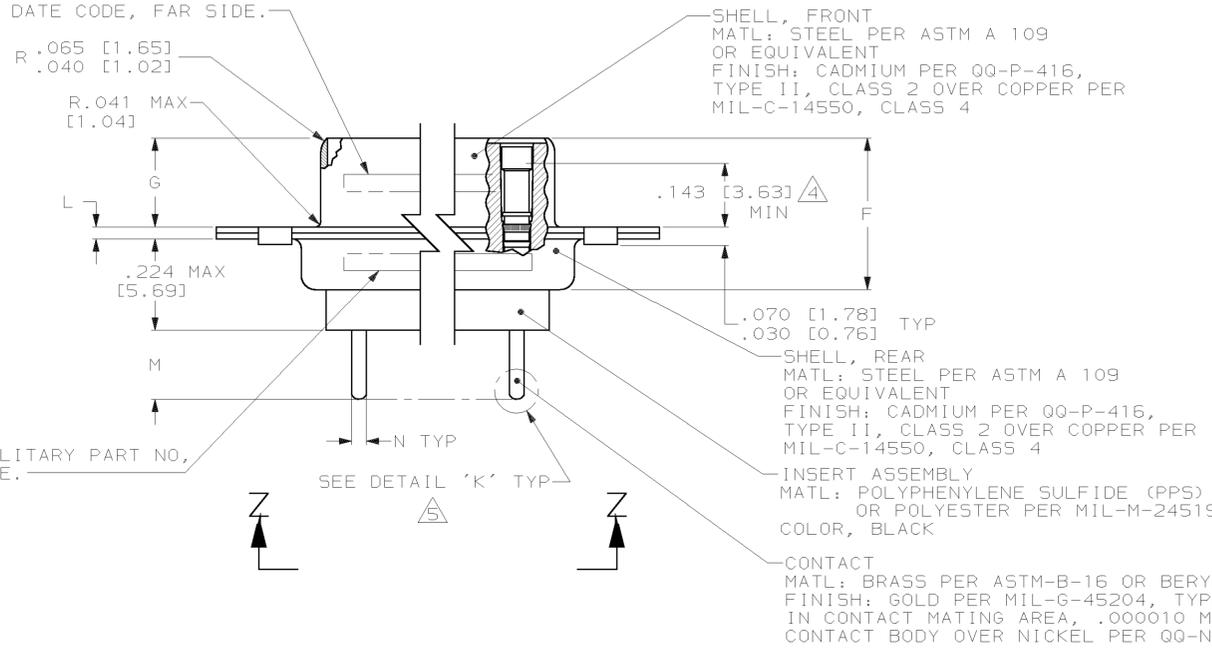


REVOLUTIONS		REVISIONS	
LOC	DIST	DESCRIPTION	DATE
DF	DO	REV PER 063D-0321-00	11-00
P	F	CT	CB



- △ 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 .125 [3.18]
- 2. THE CONNECTORS DESCRIBED IN THIS DOCUMENT MEET THE REQUIREMENTS OF MIL-C-24308 AND MATE WITH ANY PLUG CONNECTOR WITH SAME INSERT ARRANGEMENT.
- △ 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.

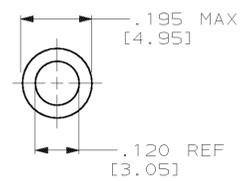
△ MARK AMP, AMP PART NO AND DATE CODE, FAR SIDE.



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

△ MARK MILITARY PART NO, FAR SIDE.

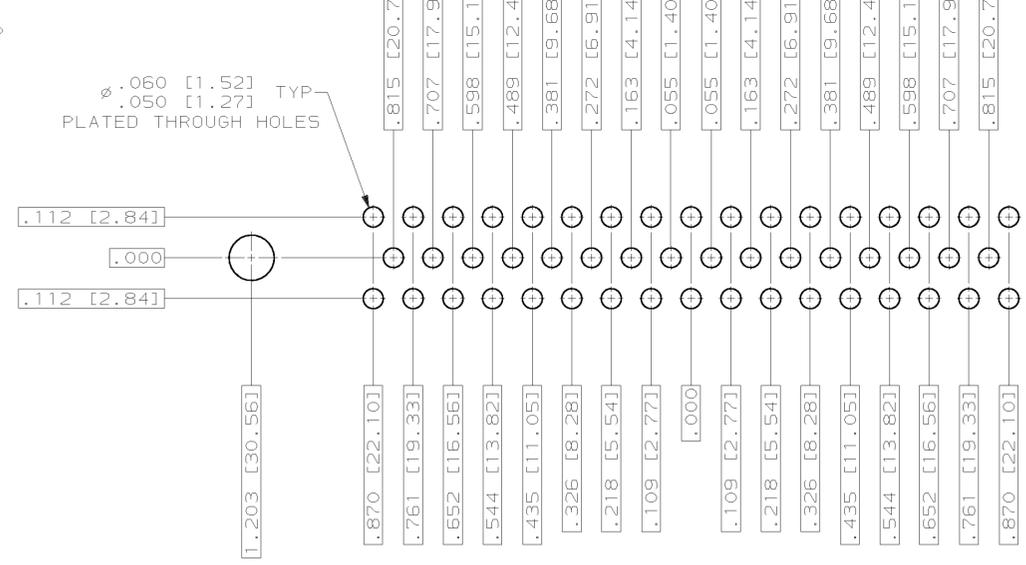
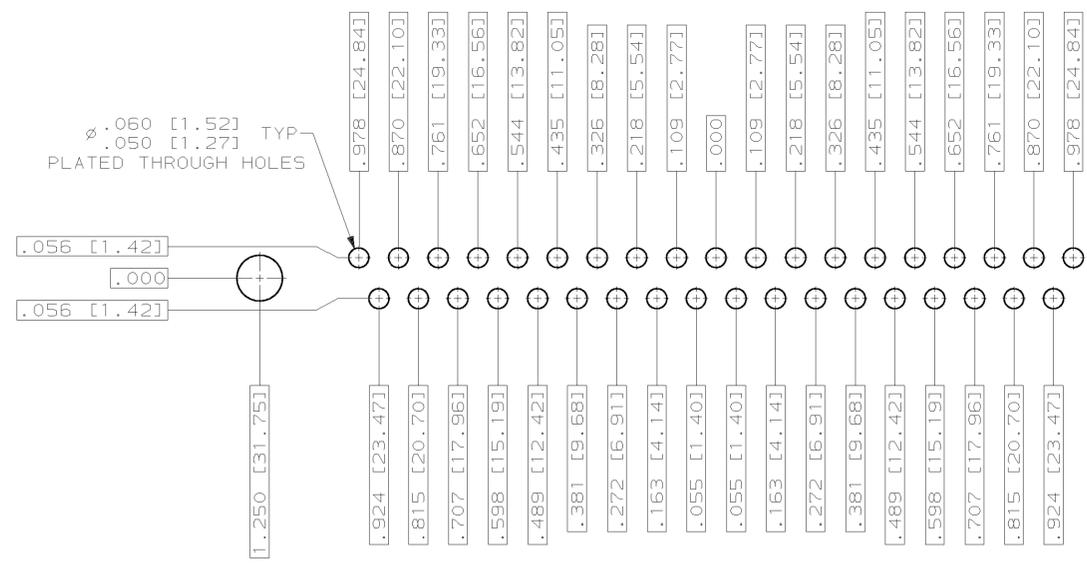
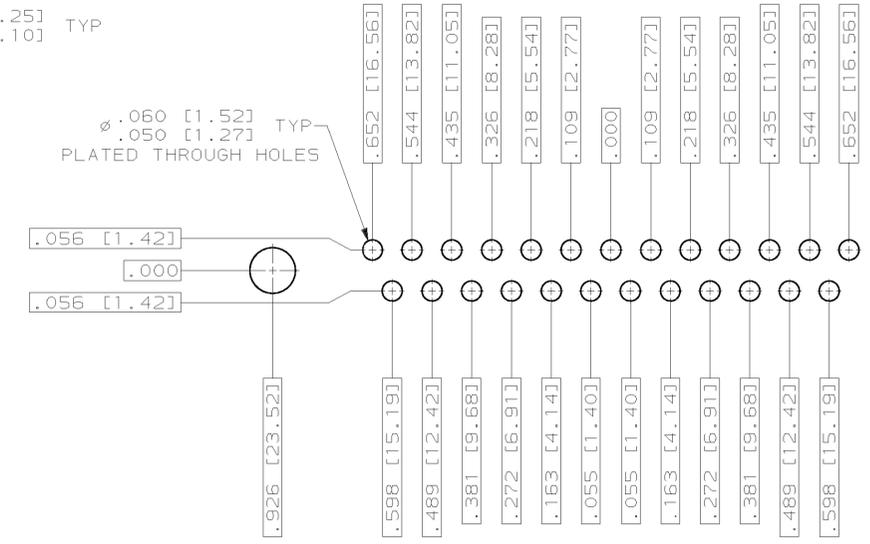
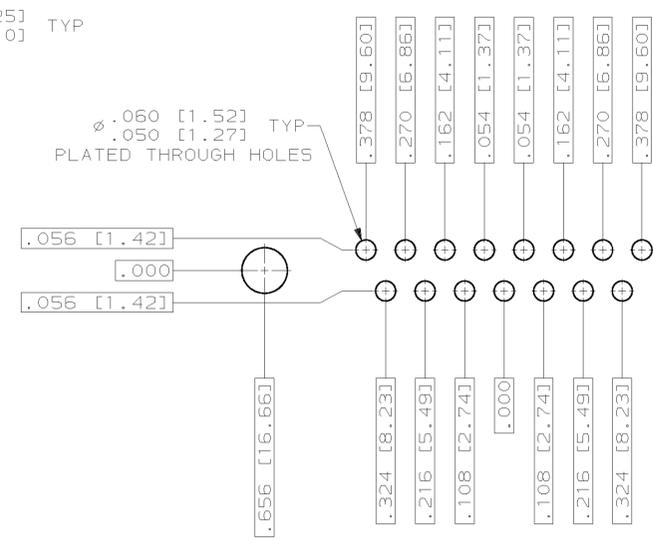
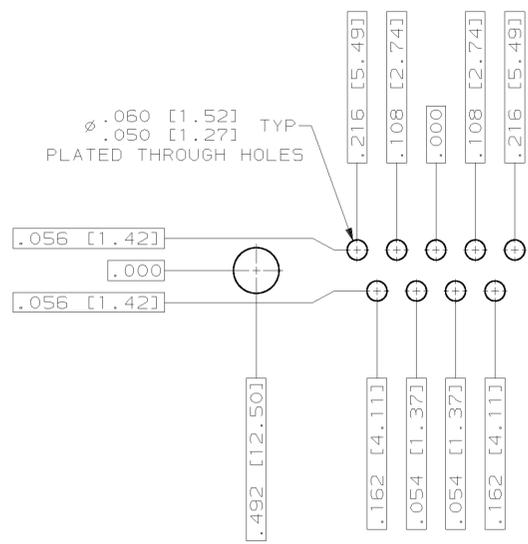
N	M	L	J	H	G	F	E	D	C	B	A	INSERT ARRANGEMENT	NO OF POS	SHELL SIZE	MILITARY P/N ON CONNECTOR	AMP P/N ON CONNECTOR	PART NUMBER
.043 [1.09] .037 [0.94]	.176 [4.47] .136 [3.45]	.040 [1.02] .020 [0.51]	.544 [13.82] .524 [13.31]	2.188 [55.58] 2.168 [55.07]	.248 [6.30] .238 [6.05]	.439 [11.15] .419 [10.64]	.620 [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	M24308/23-17F	443977-5	1-443977-0
			.432 [10.97] .412 [10.46]	1.635 [41.53] 1.615 [41.02]			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	M24308/23-16F	443977-4	443977-9		
.043 [1.09] .037 [0.94]	.176 [4.47] .136 [3.45]	.040 [1.02] .020 [0.51]	.544 [13.82] .524 [13.31]	2.188 [55.58] 2.168 [55.07]	.248 [6.30] .238 [6.05]	.439 [11.15] .419 [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	M24308/23-17F	443977-5	443977-5
			.432 [10.97] .412 [10.46]	1.635 [41.53] 1.615 [41.02]			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	M24308/23-16F	443977-4	443977-4		
.043 [1.09] .037 [0.94]	.176 [4.47] .136 [3.45]	.040 [1.02] .020 [0.51]	.432 [10.97] .412 [10.46]	1.635 [41.53] 1.615 [41.02]	.248 [6.30] .238 [6.05]	.439 [11.15] .419 [10.64]	.509 [12.93] .479 [12.17]	.316 [8.03] .306 [7.77]	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	M24308/23-15F	443977-3	443977-8
			.432 [10.97] .412 [10.46]	1.635 [41.53] 1.615 [41.02]			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	M24308/23-14F	443977-2	443977-7		
.043 [1.09] .037 [0.94]	.176 [4.47] .136 [3.45]	.040 [1.02] .020 [0.51]	.432 [10.97] .412 [10.46]	1.635 [41.53] 1.615 [41.02]	.248 [6.30] .238 [6.05]	.439 [11.15] .419 [10.64]	.509 [12.93] .479 [12.17]	.316 [8.03] .306 [7.77]	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	M24308/23-14F	443977-2	443977-7
			.432 [10.97] .412 [10.46]	1.635 [41.53] 1.615 [41.02]			1.317 [33.45] 1.307 [33.20]	.976 [24.79] .966 [24.54]	1.556 [39.52] 1.526 [38.76]	MS18273-1	9	1	M24308/23-13F	443977-1	443977-6		
.043 [1.09] .037 [0.94]	.176 [4.47] .136 [3.45]	.040 [1.02] .020 [0.51]	.544 [13.82] .524 [13.31]	2.188 [55.58] 2.168 [55.07]	.248 [6.30] .238 [6.05]	.439 [11.15] .419 [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	M24308/23-17F	443977-5	443977-5
			.432 [10.97] .412 [10.46]	1.635 [41.53] 1.615 [41.02]			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	M24308/23-16F	443977-4	443977-4		
.043 [1.09] .037 [0.94]	.176 [4.47] .136 [3.45]	.040 [1.02] .020 [0.51]	.432 [10.97] .412 [10.46]	1.635 [41.53] 1.615 [41.02]	.248 [6.30] .238 [6.05]	.439 [11.15] .419 [10.64]	.509 [12.93] .479 [12.17]	.316 [8.03] .306 [7.77]	1.847 [46.91] 1.837 [46.65]	1.506 [38.25] 1.496 [38.00]	2.073 [52.65] 2.043 [51.89]	MS18275-1	25	3	M24308/23-15F	443977-3	443977-3
			.432 [10.97] .412 [10.46]	1.635 [41.53] 1.615 [41.02]			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	M24308/23-14F	443977-2	443977-2		
.043 [1.09] .037 [0.94]	.176 [4.47] .136 [3.45]	.040 [1.02] .020 [0.51]	.432 [10.97] .412 [10.46]	1.635 [41.53] 1.615 [41.02]	.248 [6.30] .238 [6.05]	.439 [11.15] .419 [10.64]	.509 [12.93] .479 [12.17]	.316 [8.03] .306 [7.77]	1.307 [33.20] 1.297 [32.94]	.966 [24.54] .956 [24.28]	1.526 [38.76] 1.496 [38.00]	MS18274-1	15	2	M24308/23-14F	443977-2	443977-2
			.432 [10.97] .412 [10.46]	1.635 [41.53] 1.615 [41.02]			1.307 [33.20] 1.297 [32.94]	.966 [24.54] .956 [24.28]	1.526 [38.76] 1.496 [38.00]	MS18273-1	9	1	M24308/23-13F	443977-1	443977-1		



SPACER
 MATL: ALUMINUM ALLOY PER ASTM B 211
 FINISH: IRIDITE PER MIL-C-5541, CLASS 3, COLOR GOLD

DO NOT SCALE PRINT. UNLESS SPECIFIED DIMENSIONS IN INCHES [mm]	DR 05MAY97 J.A.Baker	AMP AMP INCORPORATED Harrisburg, Pa. 17105
TOLERANCES - IN : 2 PLC DEC ± 3 PLC DEC ± ANGLES ± 1°	CHK 15MAY98 G. OVER	
MATERIAL SEE CALLOUTS	APPD 15MAY98 G. OVER PRODUCT SPEC MIL-C-24308	
FINISH SEE CALLOUTS	APPLICATION SPEC -	NAME AMPLIMITE RECEPTACLE ASSY WITH SIZE 20 STRAIGHT POSTED P.C. BOARD CONTACTS, SERIES 109, SHELL SIZES 1 THRU 5
WEIGHT	SCALE 4:1	SIZE D FSCM NO 00779 DRAWING NO 443977 SHEET 1 of 2

REVISONS		DATE	APPD
LOC	DIST		
DF	DO		
P	F		
ZONE	LTR		
C		SEE SHEET 1	



DO NOT SCALE PRINT. UNLESS SPECIFIED DIMENSIONS IN INCHES [mm] TOLERANCES ON: 2 PLC DEC ± - 3 PLC DEC ± - ANGLES ± 1°		DR 05MAY97 J.A.Baker		AMP INCORPORATED Harrisburg, Pa. 17105	
SEE CALLOUTS		CHK 15MAY98 G. OVER			
SEE CALLOUTS		APPD 15MAY98 G. OVER		NAME AMPLIMITE RECEPTACLE ASSY WITH SIZE 20 STRAIGHT POSTED P.C. BOARD CONTACTS, SERIES 109, SHELL SIZES 1 THRU 5	
FINISH SEE CALLOUTS		APPLICATION SPEC -		SIZE D 00779	DRAWING NO 443977
WEIGHT		-		SCALE 4:1	SHEET 2 of 2