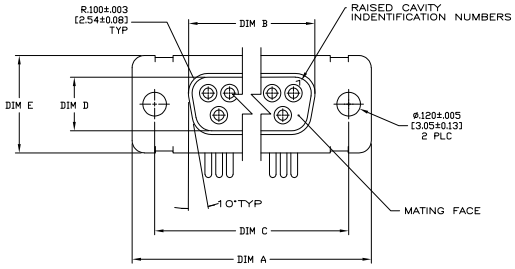
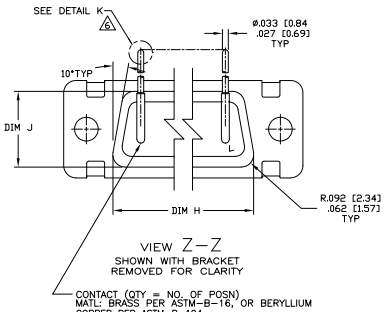
UCC	DIST
DF	AO

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	REV PER 0H14-0178-05	2-28-05	CT	JM

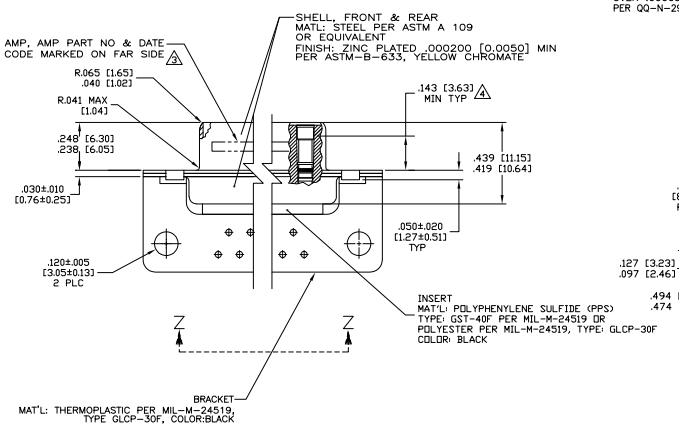


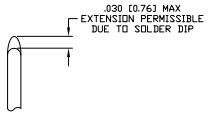


VIEW Z–Z
SHOWN WITH BRACKET
REMOVED FOR CLARITY

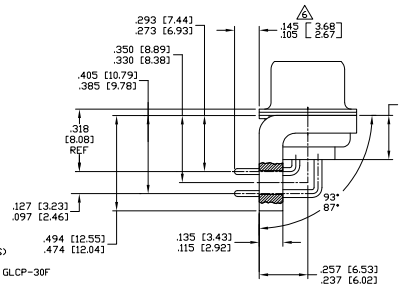
CONTACT (QTY = NO. OF POSN)
MATL: BRASS PER ASTM-B-16, OR BERYLLIUM
COPPER PER ASTM-B-194
FINISH: GOLD PER MIL-G-45204, TYPE II,
GRADE C, CLASS 1 IN CONTACT MATING AREA,
.000010 [0.0003] MIN THK GOLD PER MIL-G-45204
OVER .000050 [0.0013] MIN THK NICKEL
PER QQ-N-290 ON CONTACT BODY

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 .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.
3. MARKED 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 FRONT SHELL IS TOO SMALL FOR "AMP", AMP PART NUMBER AND DATE CODE, MARKING SHALL BE SPLIT AS FOLLOWS:
   A. AMP PART NUMBER ON REAR SHELL, FAR SIDE.
   B. "AMP" AND DATE CODE ON FRONT SHELL, FAR SIDE.
4. POINT OF ELECTRICAL ENGAGEMENT – AS MEASURED WITH A .0390 [0.991]–.0393 [0.998] DIA SQUARE ENDED TEST PIN.
5. THIS DRAWING SHALL BE INTERPRETED IN ACCORDANCE WITH APPLICABLE STANDARDS LISTED IN MIL-STD-100.
6. SOLDER DIP PER MIL-STD-2000 COMPOSITION Sn63 CONFORMING TO QQ-S-571 IN THE ENTIRE AREA OF DIMENSION SHOWN. 1218843-6 THRU -10 ONLY.

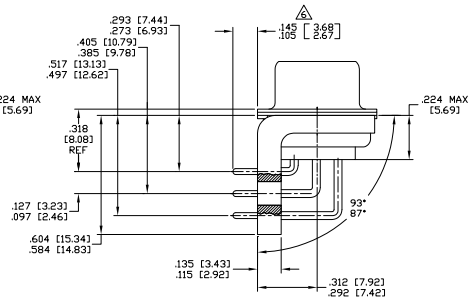




DETAIL K
SCALE 8:1 3
FOR 1218843-6 THRU -10 ONLY



SHELL SIZES 1 THRU 4 CONTACT CONFIGURATION



SHELL SIZE 5 CONTACT CONFIGURATION

DIM J	DIM H	DIM E	DIM D	DIM C	DIM B	DIM A	INSERT ARRANGEMENT	NO OF POS	SHELL SIZE	AMP PART NO.
.544 [13.82] .524 [13.31]	2.188 [55.58] 2.168 [55.07]	.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	1-1218843-0 6
.432 [10.97] .412 [10.46]	2.282 [57.96] 2.262 [57.45]	.509 [12.93] .479 [12.17]	.316 [8.03] .306 [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	1218843-9 6
.432 [10.97] .412 [10.46]	1.635 [41.53] 1.615 [41.02]	.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	1218843-8 6
.432 [10.97] .412 [10.46]	1.093 [27.76] 1.073 [27.25]	.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	1218843-7 6
.432 [10.97] .412 [10.46]	.769 [19.53] .749 [19.02]	.509 [12.93] .479 [12.17]	.316 [8.03] .306 [7.77]	.989 [25.12] .979 [24.87]	.648 [16.46] .638 [16.21]	1.228 [31.19] 1.198 [30.43]	MS18273-1	9	1	1218843-6 6
.544 [13.82] .524 [13.31]	2.188 [55.58] 2.168 [55.07]	.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	1218843-5
.432 [10.97] .412 [10.46]	2.282 [57.96] 2.262 [57.45]	.509 [12.93] .479 [12.17]	.316 [8.03] .306 [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	1218843-4
.432 [10.97] .412 [10.46]	1.635 [41.53] 1.615 [41.02]	.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	1218843-3
.432 [10.97] .412 [10.46]	1.093 [27.76] 1.073 [27.25]	.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	1218843-2
.432 [10.97] .412 [10.46]	.769 [19.53] .749 [19.02]	.509 [12.93] .479 [12.17]	.316 [8.03] .306 [7.77]	.989 [25.12] .979 [24.87]	.648 [16.46] .638 [16.21]	1.228 [31.19] 1.198 [30.43]	MS18273-1	9	1	1218843-1

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES [mm]

TOLERANCE UNLESS OTHERWISE SPECIFIED:
0 PLC ± –
1 PLC ± –
2 PLC ± –
3 PLC ± .010 [0.25]
4 PLC ± –
ANGLES ± –

MATERIAL: SEE CALLOUTS
FINISH: SEE CALLOUTS

DR	C.C.THOMAS	110CT00
DES	CHAD BAKER	1-19-01
APP	CHAD BAKER	1-19-01
PRODUCT SPEC	—	
APPLICATION SPEC	—	
WEIGHT	—	

Tyco Electronics Corporation
Harrisburg, Pa 17105-3608

NAME: RECEPTACLE ASSY,AMPLIMITE,RIGHT ANGLE,SERIES 109,SIZE 1 THRU 5

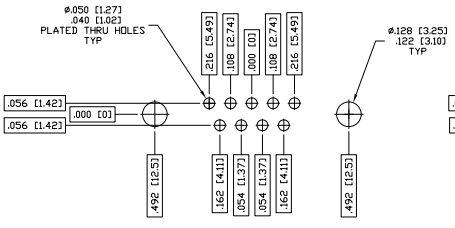
SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-1218843	—

CUSTOMER DRAWING | SCALE 4:1 | SHEET 1 OF 2 | REV B

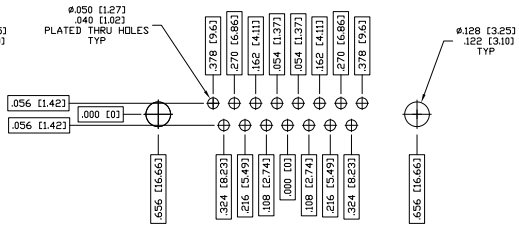
LOC	DIST
DF	D0

REVISIONS

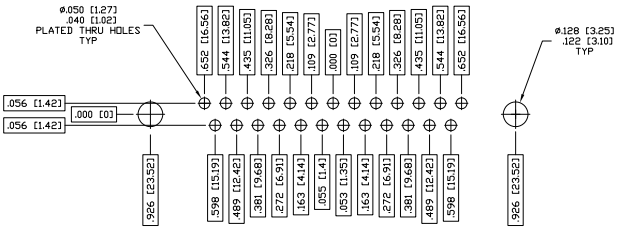
P	LTR	DESCRIPTION	DATE	DWN	APVD
–		SEE SHEET 1	–	–	–



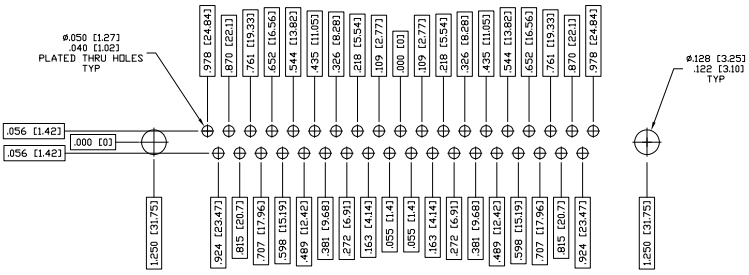
RECOMMENDED P.C. BOARD LAYOUT
SHELL SIZE 1 (9 POSITION)



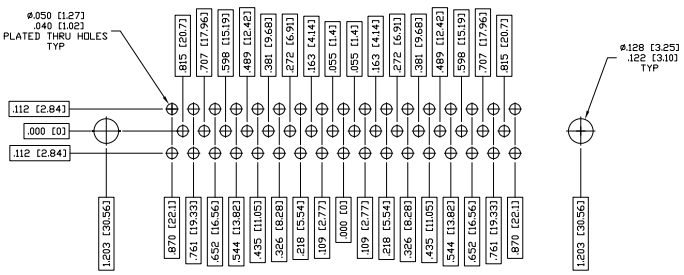
RECOMMENDED P.C. BOARD LAYOUT
SHELL SIZE 2 (15 POSITION)



RECOMMENDED P.C. BOARD LAYOUT
SHELL SIZE 3 (25 POSITION)



RECOMMENDED P.C. BOARD LAYOUT
SHELL SIZE 4 (37 POSITION)



RECOMMENDED P.C. BOARD LAYOUT
SHELL SIZE 5 (50 POSITION)

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES
TOLERANCES UNLESS OTHERWISE SPECIFIED:
ANGLES ± –
.X ± –
.XX ± –
.XXX ± .010 [0.25]
ANGLES ± –°

MATERIAL: SEE CALLOUTS
FINISH: SEE CALLOUTS

DRN	C.C.THOMAS	2005FEB
CHK	CHAD BAKER	1-19-01
APVD	CHAD BAKER	1-19-01
PRODUCT SPEC	–	
APPLICATION SPEC	–	
WEIGHT	–	

CUSTOMER DRAWING

Tyco Electronics Corporation
Harrisburg, Pa 17105-3608

TITLE: RECEPTACLE ASSY,AMPLIMITE
RIGHT ANGLE,SERIES 109,SIZE
1 THRU 5

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-1218843	–

SCALE 4:1 SHEET 2 OF 2 REV B