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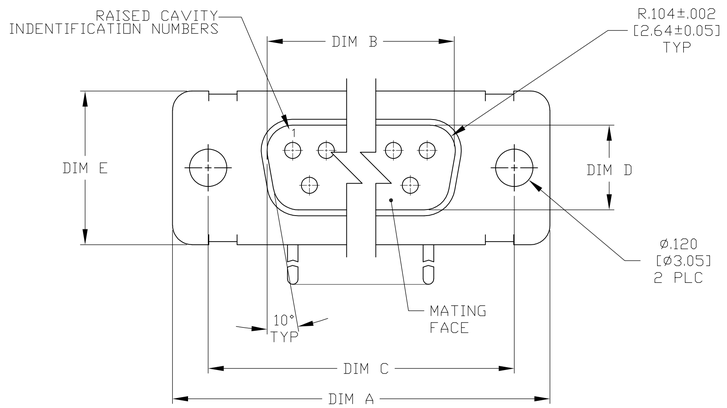
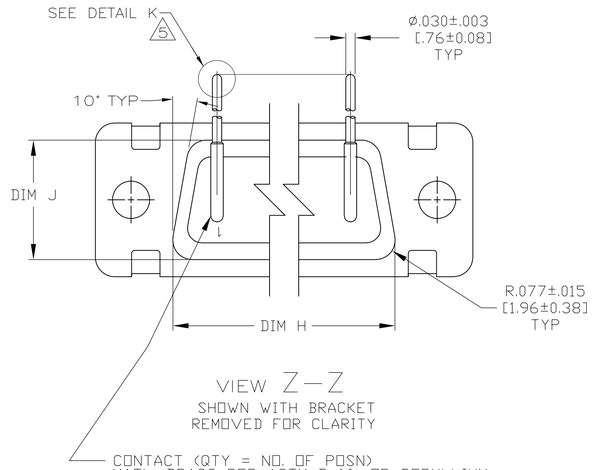
LOC	DIST
DF	A0

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	REVISED PER ECO-13-002054	05FEB2013	MGM	CT

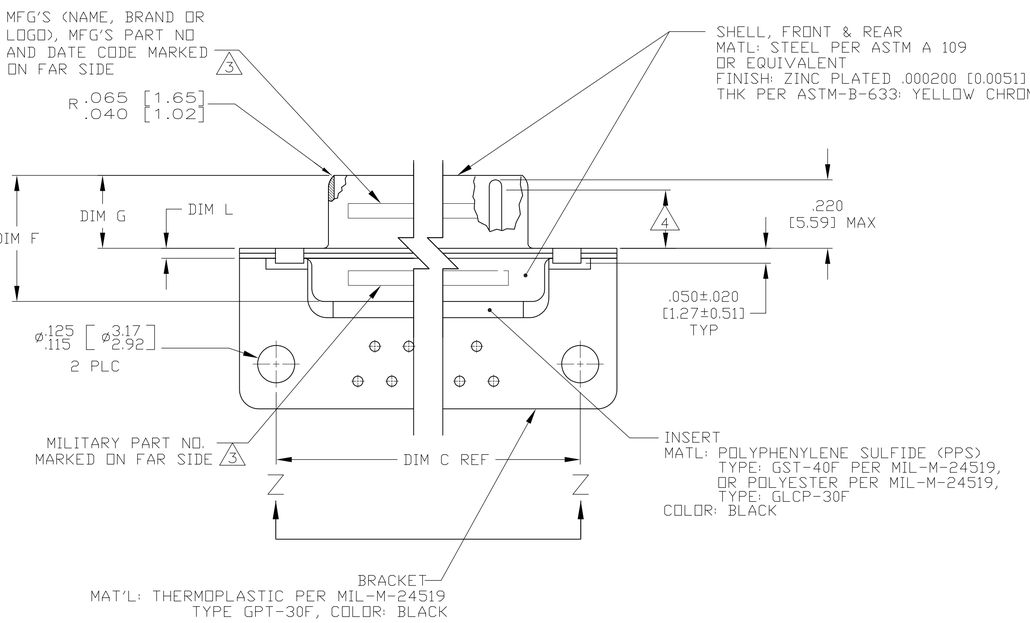




VIEW Z–Z
SHOWN WITH BRACKET REMOVED FOR CLARITY

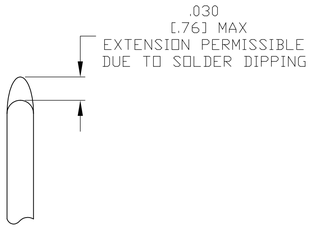
CONTACT (QTY = NO. OF POSN)
MATL: BRASS PER ASTM-B-16, OR BERYLLIUM COPPER PER ASTM-B-194
FINISH: GOLD PER ASTM-B-488, TYPE II, GRADE C, CLASS 1.27 IN CONTACT MATING AREA, .000010 [0.0003] MIN THK GOLD PER ASTM-B-488 OVER .000050 [0.0013] MIN THK NICKEL PER SAE-AMS-QQ-N-290 ON CONTACT BODY

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 .062 [1.57]
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. 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 SHELL IS TOO SMALL FOR THE ENTIRE MARKING MARKING SHALL BE SPLIT AS FOLLOWS:
   A. "M24308" ON FRONT SHELL, FAR SIDE.
   B. SLASH SHEET AND DASH NUMBER ON REAR SHELL, FAR SIDE.
   C. "MFG'S" (NAME, BRAND OR LOGO) AND DATE CODE ON FRONT SHELL, NEAR SIDE.
   D. MFG'S PART NUMBER ON REAR SHELL, NEAR SIDE.
4. REQUIREMENT FOR FULL PIN DIAMETER EXTENSION:
   .159 [4.04] MIN, SHELL SIZES 1 AND 2.
   .150 [3.81] MIN, SHELL SIZES 3 AND 4.
5. SOLDER DIPPED PER J-STD-001 WITH Sn63 SOLDER PER J-STD-006 IN THE ENTIRE AREA OF DIMENSION SHOWN. (1757839-6 THRU -10 ONLY.)
6. MEETS SOLDERABLITY PER MIL-STD-202 METHOD 208.



SHELL SIZES 1 THRU 4 CONTACT CONFIGURATION

SHELL SIZE 5 CONTACT CONFIGURATION



DETAIL K
SCALE 10:1
FOR 1757839-6 THRU -10 ONLY
5

DIM L	DIM J	DIM H	DIM G	DIM F	DIM E	DIM D	DIM C	DIM B	DIM A	INSERT ARRANGEMENT	NO OF POS	SHELL SIZE	MILITARY P/N 3 ON CONNECTOR	MFG'S P/N MARKED ON CONNECTOR 3	MFG'S PART NO.
.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 [52.55] 2.074 [52.30]	2.650 [67.31] 2.620 [66.55]	MS18277-1	50	5	M24308/24-53Z	1757839-5	1-1757839-0 5
.049 [1.24] .029 [0.74]	.432 [10.97] .412 [10.46]	2.282 [57.96] 2.262 [57.45]	.236 [5.99] .224 [5.69]	.436 [11.07] .416 [10.57]	.509 [12.93] .479 [12.17]	.334 [8.48] .324 [8.23]	2.505 [63.63] 2.495 [63.37]	2.187 [54.97] 2.177 [54.71]	2.744 [69.70] 2.714 [68.94]	MS18276-1	37	4	M24308/24-52Z	1757839-4	1757839-9 5
.049 [1.24] .029 [0.74]	.432 [10.97] .412 [10.46]	1.635 [41.53] 1.615 [41.02]	.236 [5.99] .224 [5.69]	.436 [11.07] .416 [10.57]	.509 [12.93] .479 [12.17]	.334 [8.48] .324 [8.23]	1.857 [47.17] 1.847 [46.91]	1.539 [38.51] 1.529 [38.25]	2.103 [53.42] 2.073 [52.65]	MS18275-1	25	3	M24308/24-51Z	1757839-3	1757839-8 5
.040 [1.02] .020 [0.51]	.432 [10.97] .412 [10.46]	1.093 [27.76] 1.073 [27.25]	.238 [6.05] .229 [5.82]	.432 [10.97] .412 [10.46]	.509 [12.93] .479 [12.17]	.334 [8.48] .324 [8.23]	1.317 [33.45] 1.307 [33.20]	.999 [24.79] .989 [24.54]	1.556 [39.52] 1.526 [38.76]	MS18274-1	15	2	M24308/24-50Z	1757839-2	1757839-7 5
.040 [1.02] .020 [0.51]	.432 [10.97] .412 [10.46]	.769 [19.53] .749 [19.02]	.238 [6.05] .229 [5.82]	.432 [10.97] .412 [10.46]	.509 [12.93] .479 [12.17]	.334 [8.48] .324 [8.23]	.989 [25.12] .979 [24.87]	.671 [16.46] .661 [16.21]	1.228 [31.19] 1.198 [30.43]	MS18273-1	9	1	M24308/24-49Z	1757839-1	1757839-6 5
.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 [52.55] 2.074 [52.30]	2.650 [67.31] 2.620 [66.55]	MS18277-1	50	5	M24308/24-53Z	1757839-5	1757839-5
.049 [1.24] .029 [0.74]	.432 [10.97] .412 [10.46]	2.282 [57.96] 2.262 [57.45]	.236 [5.99] .224 [5.69]	.436 [11.07] .416 [10.57]	.509 [12.93] .479 [12.17]	.334 [8.48] .324 [8.23]	2.505 [63.63] 2.495 [63.37]	2.187 [54.97] 2.177 [54.71]	2.744 [69.70] 2.714 [68.94]	MS18276-1	37	4	M24308/24-52Z	1757839-4	1757839-4
.049 [1.24] .029 [0.74]	.432 [10.97] .412 [10.46]	1.635 [41.53] 1.615 [41.02]	.236 [5.99] .224 [5.69]	.436 [11.07] .416 [10.57]	.509 [12.93] .479 [12.17]	.334 [8.48] .324 [8.23]	1.857 [47.17] 1.847 [46.91]	1.539 [38.51] 1.529 [38.25]	2.103 [53.42] 2.073 [52.65]	MS18275-1	25	3	M24308/24-51Z	1757839-3	1757839-3
.040 [1.02] .020 [0.51]	.432 [10.97] .412 [10.46]	1.093 [27.76] 1.073 [27.25]	.238 [6.05] .229 [5.82]	.432 [10.97] .412 [10.46]	.509 [12.93] .479 [12.17]	.334 [8.48] .324 [8.23]	1.317 [33.45] 1.307 [33.20]	.999 [24.79] .989 [24.54]	1.556 [39.52] 1.526 [38.76]	MS18274-1	15	2	M24308/24-50Z	1757839-2	1757839-2
.040 [1.02] .020 [0.51]	.432 [10.97] .412 [10.46]	.769 [19.53] .749 [19.02]	.238 [6.05] .229 [5.82]	.432 [10.97] .412 [10.46]	.509 [12.93] .479 [12.17]	.334 [8.48] .324 [8.23]	.989 [25.12] .979 [24.87]	.671 [16.46] .661 [16.21]	1.228 [31.19] 1.198 [30.43]	MS18273-1	9	1	M24308/24-49Z	1757839-1	1757839-1

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± –
1 PLC ± –
2 PLC ± –
3 PLC ± .005 [0.13]
4 PLC ± –
ANGLES ± 1°

MATERIAL: SEE CALLOUTS
FINISH: SEE CALLOUTS

DWN	C.C.THOMAS	2-23-06
CHK	D.MILLER	2-23-06
APVD	D.MILLER	2-23-06
PRODUCT SPEC	—	
APPLICATION SPEC	—	
WEIGHT	—	

TE Connectivity

NAME: PLUG ASSEMBLY,AMPLIMITE,RT ANGLE, SERIES 109,SIZE 1 THRU 5

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C 1757839	—

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

4805 (3/11)

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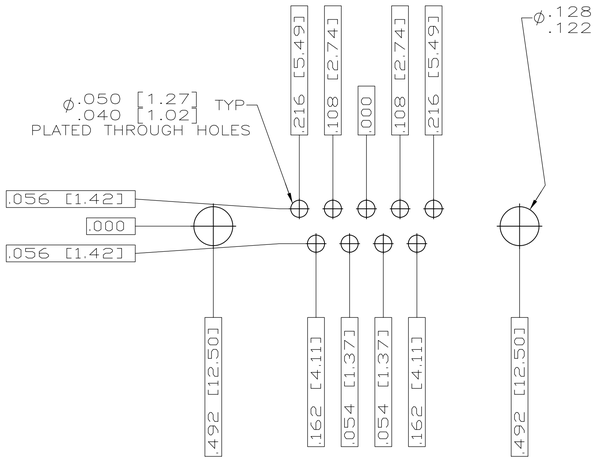
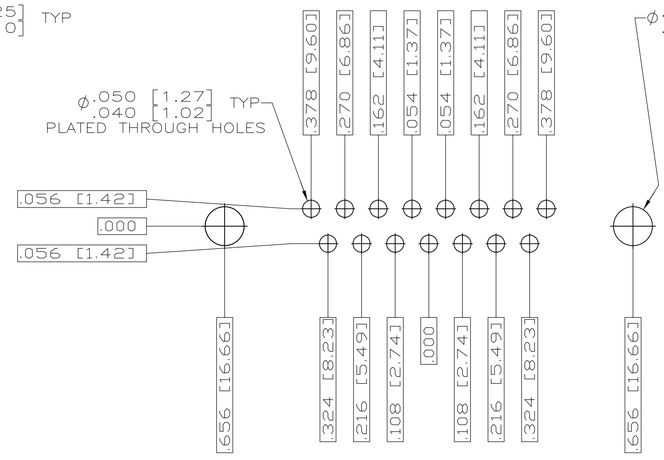
LOC	DIST
DF	D0

REVISIONS

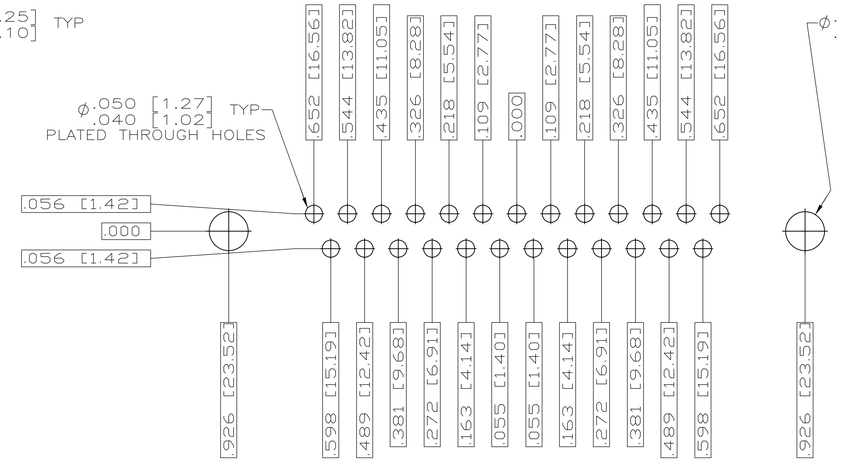
P	LTR	DESCRIPTION	DATE	DWN	APVD
	–	SEE SHEET 1	–	—	—



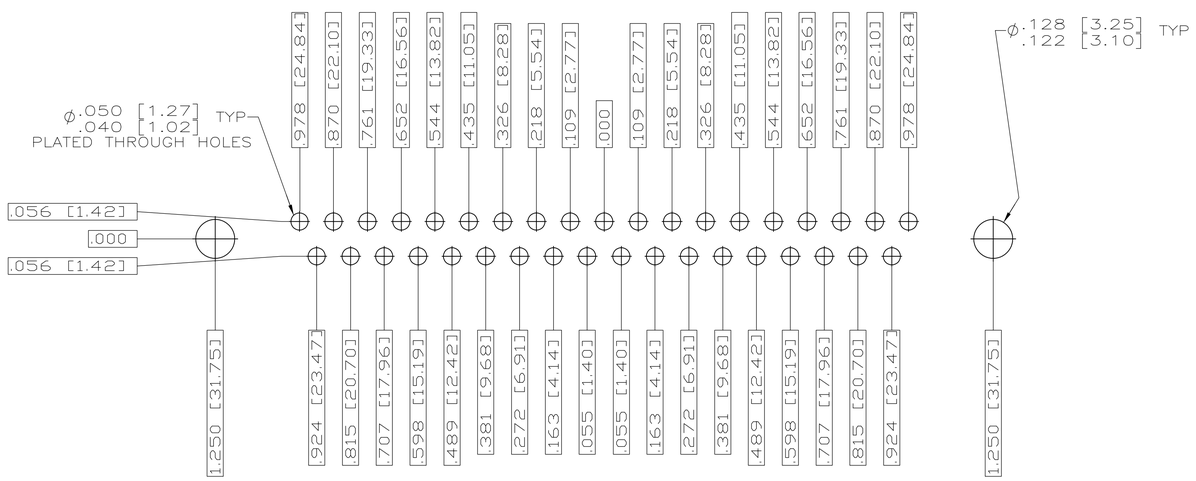
RECOMMENDED P.C. BOARD LAYOUT
SHELL SIZE 1 (9 POSITION) 1



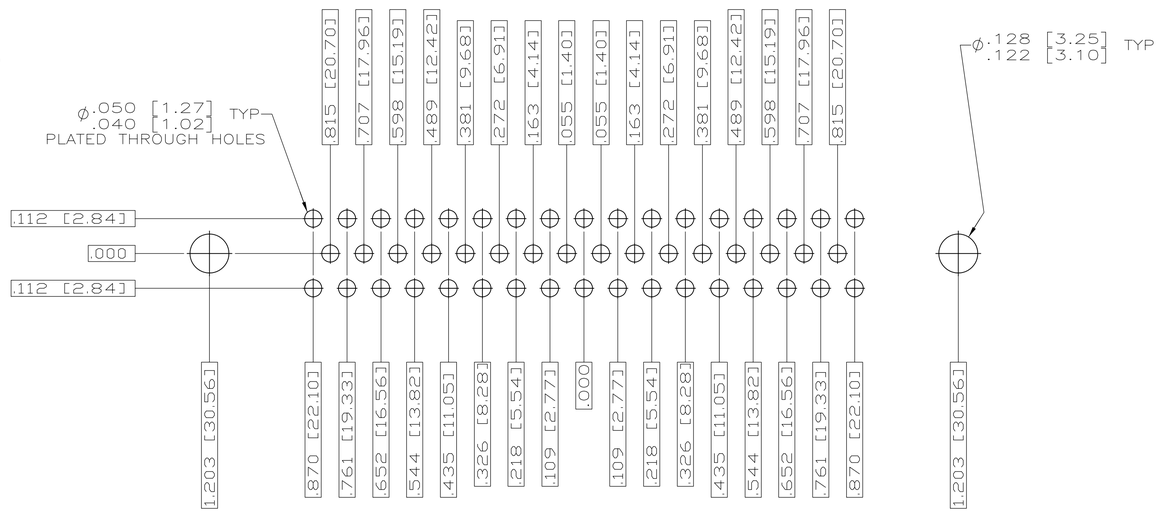
RECOMMENDED P.C. BOARD LAYOUT
SHELL SIZE 2 (15 POSITION) 1



RECOMMENDED P.C. BOARD LAYOUT
SHELL SIZE 3 (25 POSITION) 1



RECOMMENDED P.C. BOARD LAYOUT
SHELL SIZE 4 (37 POSITION) 1



RECOMMENDED P.C. BOARD LAYOUT
SHELL SIZE 5 (50 POSITION) 1

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± –
1 PLC ± –
2 PLC ± –
3 PLC ± –
4 PLC ± –
ANGLES ± 1°

MATERIAL SEE CALLOUTS
FINISH SEE CALLOUTS

DWN C.C.THOMAS 2-23-06
CHK D.HOFFMAN 2-23-06
APVD D.MILLER 2-23-06
PRODUCT SPEC —
APPLICATION SPEC —
WEIGHT —

TE Connectivity

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

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-1757839	—

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

4805 (3/11)