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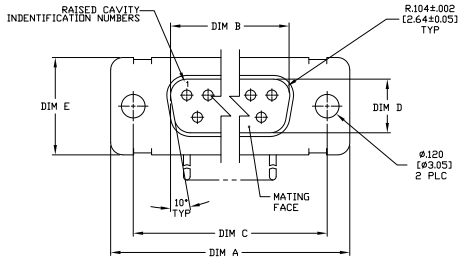
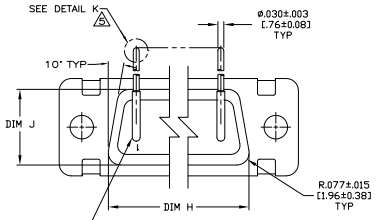
UOM	DIST
DF	AO

REVISIONS

#	LTR	DESCRIPTION	DATE	DRN	APVD
	O	RELEASED	2-23-06	CT	DM
	A	REV PER ECO-08-018752	8-21-08	PK	BW

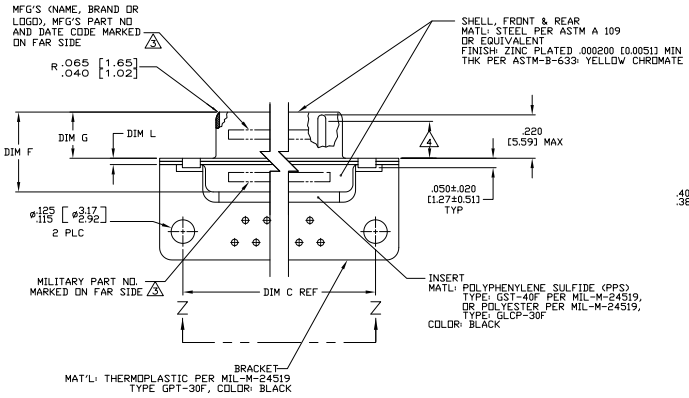


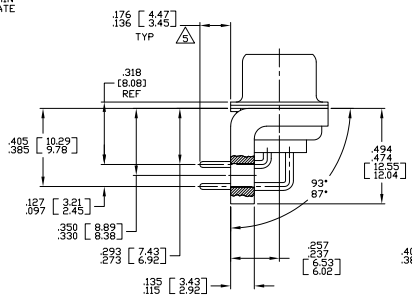


VIEW Z–Z
SHOWN WITH BRACKET REMOVED FOR CLARITY

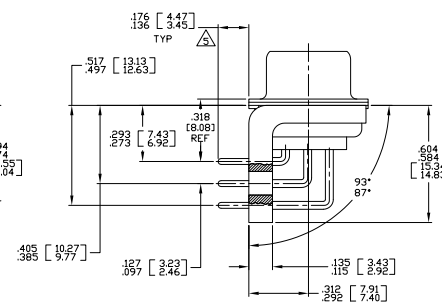
CONTACT (QTY = NO. OF POSN)
MATL: BRASS PER ASTM-B-16, OR BERYLLIUM COPPER PER ASTM-B-194
FINISH: GOLD PER ASTM-B-488, TYPE II, GRADE C, CLASS 1.27 IN CONTACT MATING AREA, .000010 [0.0003] MIN THK GOLD PER ASTM-B-488 OVER .000050 [0.0013] MIN THK NICKEL PER SAE-AMS-QQ-N-290 ON CONTACT BODY

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. (1757837-6 THRU -10 ONLY.)
6. MEETS SOLDERABLITY PER MIL-STD-202 METHOD 208.

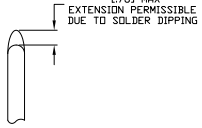




SHELL SIZES 1 THRU 4
CONTACT CONFIGURATION



SHELL SIZE 5 CONTACT CONFIGURATION



DETAIL K
SCALE 10:1
FOR 1757837-6 THRU -10 ONLY

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 ON CONNECTOR	MFG'S P/N MARKED ON CONNECTOR	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	M24308/24-35	1757837-5	1-1757837-0
.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	M24308/24-34	1757837-4	1757837-9
.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	M24308/24-33	1757837-3	1757837-8
.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	M24308/24-32	1757837-2	1757837-7
.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	M24308/24-31	1757837-1	1757837-6
.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	M24308/24-35	1757837-5	1757837-5
.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	M24308/24-34	1757837-4	1757837-4
.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	M24308/24-33	1757837-3	1757837-3
.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	M24308/24-32	1757837-2	1757837-2
.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	M24308/24-31	1757837-1	1757837-1

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES [mm]

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

MATERIAL: SEE CALOUTS
FINISH: SEE CALOUTS

DR C.C.THOMAS 2-23-06
CK D.MILLER 2-23-06
APD D.MILLER 2-23-06
PRODUCT SPEC —
APPLICATION SPEC —
WEIGHT —

Tyco Electronics — Tyco Electronics Corporation, Harrisburg, PA 17105-3608

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

SIZE A1 | CAGE CODE 00779 | DRAWING NO C-1757837 | RESTRICTED TO —

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

ABP 4805 REV 31MAR2000

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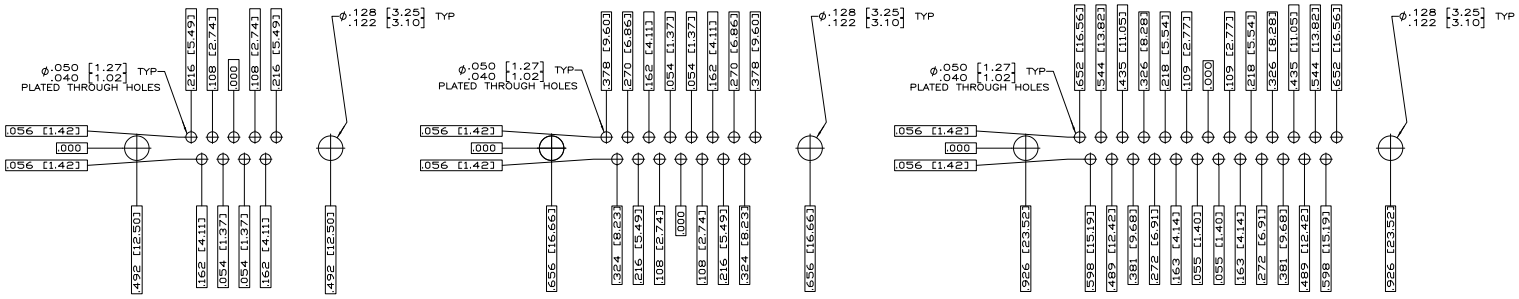
REVISIONS

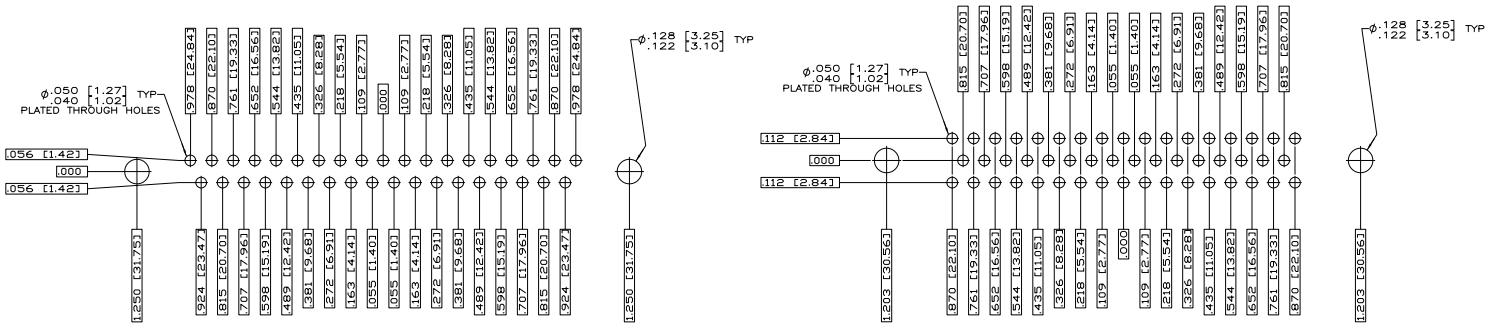
P	LTR	DESCRIPTION	DATE	DWN	APVD
	–	SEE SHEET 1	–	–	–



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

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DIMENSIONS: INCHES
TOLERANCE UNLESS OTHERWISE SPECIFIED: 0 PLC ± – ; 1 PLC ± – ; 2 PLC ± – ; 3 PLC ± – ; 4 PLC ± – ; ANGLES ± 1°
MATERIAL: SEE CALLOUTS
FINISH: SEE CALLOUTS

DR: C.C.THOMAS 2-23-06
CK: D.HOFFMAN 2-23-06
APVD: D.MILLER 2-23-06
PRODUCT SPEC: –
APPLICATION SPEC: –
WEIGHT: –

Tyco Electronics
Tyco Electronics Corporation
Harrisburg, PA 17105-3608

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

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-1757837	–

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

AMP 4805 REV 31MAR2000

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