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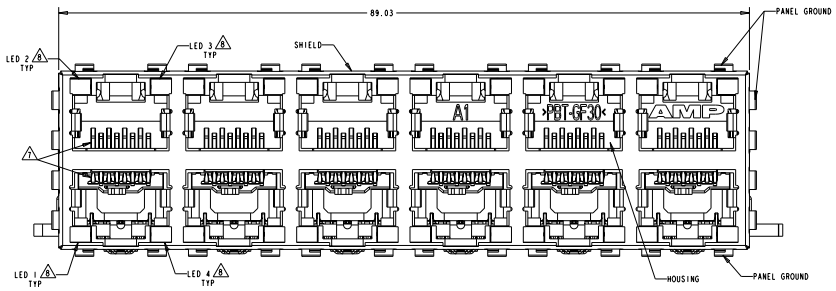
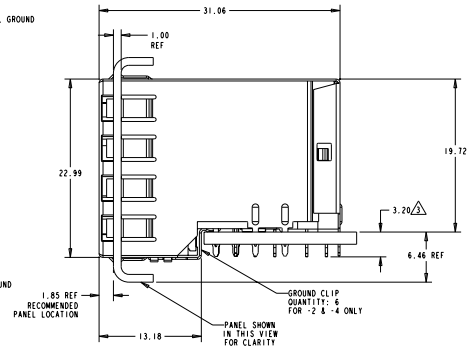
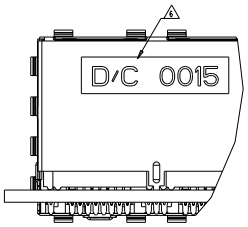
LOC	DIST
AA	00

REVISIONS

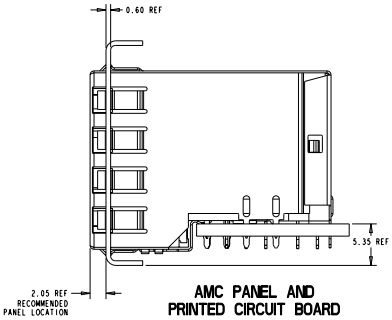
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	RELEASED	25JAN2006	LAM	JW
	B	REV PER ECO-07-001858	20MAR2007	RG	JW
	B1	ADDED NEW DASH NUMBER	23MAY2008	DZ	SY
	B2	ECR-08-020353	13AUG2008	AL	SY







ATCA PANEL AND PRINTED CIRCUIT BOARD ASSEMBLY LAYOUT



AMC PANEL AND PRINTED CIRCUIT BOARD ASSEMBLY LAYOUT

1. MATERIAL:
   HOUSING:
   PBT POLYESTER, BLACK, UL 94V-0
   TERMINALS:
   0.33 THICK PHOSPHOR BRONZE PLATED WITH 1.27µm MINIMUM THICK HARD GOLD IN LOCALIZED AREA AND 2.0µm MINIMUM THICK MATTE TIN IN COMPLIANT PIN TERMINAL AREA OVER 1.27µm MINIMUM THICK NICKEL UNDERPLATE

   SHIELD:
   0.25 THICK COPPER ALLOY PLATED WITH 2.03µm MINIMUM TIN OVER 1.27 µm MINIMUM NICKEL

   GROUND CLIP: 0.25 THICK COPPER ALLOY PRE-PLATED WITH 2.03µm MINIMUM MATTE TIN OVER 1.27µm MINIMUM NICKEL

   LIGHT EMITTING DIODE (LED):
   DIFFUSED EPOXY LENS, 12.95 CARBON STEEL WIREFRAME LEADS PREPLATED WITH 8.89µm THICK Sn/Cu OVER 2.03µm THICK Ag OVER 1.02µm THICK Cu OVER 3.56µm THICK Ni OVER 1.02µm THICK Cu UNDERPLATE

   LED COMPLIANT PIN CONTACTS:
   0.3 THICK BRASS PLATED WITH 2-4µm BRIGHT TIN.

2. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS, PART 68 SUBPART F.

3. MAXIMUM PIN LENGTH 3.40 FROM TOP SURFACE OF PC BOARD

4. FINISHED PLATED THROUGH HOLE DIAMETER - ANNULAR RING DIAMETER 1.3 TO 1.5

5. DATUMS AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER

6. DATE CODE LOCATED ON REAR OF PART APPROXIMATELY AS SHOWN

7. CONTACTS ARE NOT INTENDED TO BE ALIGNED WITH EACH OTHER

8. SUGGESTED OPERATING CURRENT FOR LEDS IS 20mA

9. NO PANEL GROUNDS.

9	M DIM	LED #4 (LOWER-RIGHT)	LED #3 (UPPER-RIGHT)	LED #2 (UPPER-LEFT)	LED #1 (LOWER-LEFT)	DESCRIPTION	PART NUMBER
	15.88	GREEN/YELLOW	GREEN/YELLOW	GREEN/YELLOW	GREEN/YELLOW	WITH GROUND CLIP	1888509-5
	15.88	GREEN/YELLOW	GREEN/YELLOW	GREEN/YELLOW	GREEN/YELLOW	WITH GROUND CLIP	1888509-4
	16.13	YELLOW	YELLOW	GREEN	GREEN	WITHOUT GROUND CLIP	1888509-3
	15.88	GREEN	GREEN	GREEN	GREEN	WITH GROUND CLIP	1888509-2
	16.13	GREEN	GREEN	GREEN	GREEN	WITHOUT GROUND CLIP	1888509-1

DR	L.A.MAYER	28OCT2006	Tyco Electronics Corporation, Harrisburg, PA 17105-3608
CH	J.WESTMAN	28OCT2006	
APP	S.FLICKINGER	28OCT2006	
DIMENSIONS: MM	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±1° 1 PLC ±0.13 2 PLC ±0.1 3 PLC ±0.05 ANGLES ±1°	PRODUCT SPEC 108-1854 APPLICATION SPEC 114-2168 WEIGHT -	NAME: STACKED MOD JACK ASSEMBLY, 2 X 6, 8 POSN, W/LEDS, RJ45, SHIELDED, PANEL GROUND, OFFSET, CAT 5
MATERIAL SEE NOTE 1	FINISH SEE NOTE 1	SIZE A1	CAGE CODE 00779 DRAWING NO C-1888509
		CUSTOMER DRAWING	SCALE 3:1 SHEET 1 OF 2

RESTRICTED TO -

REV B2

AMP 4805 REV 31MAR2000

PrintENGINEER DRAWING

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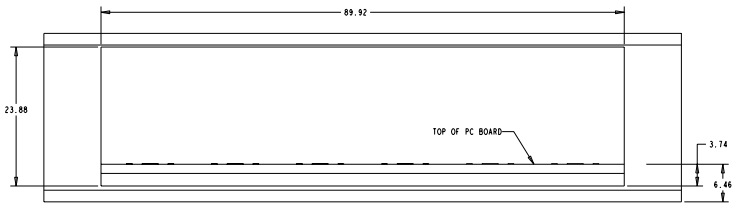
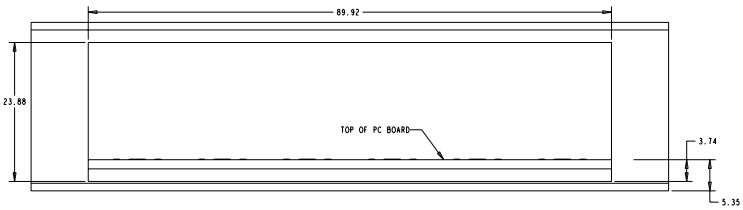
REVISIONS					
LOC	DIST	P	LTR	DESCRIPTION	DATE	DWN	APVD
AA	00		-	SEE SHEET 1			



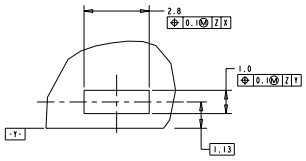
ATCA PANEL AND PRINTED CIRCUIT BOARD LAYOUT

SCALE 3:1

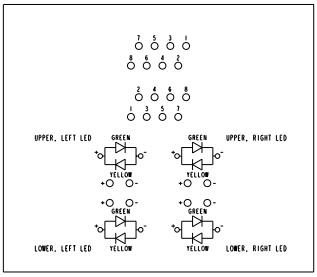


AMC PANEL AND PRINTED CIRCUIT BOARD LAYOUT

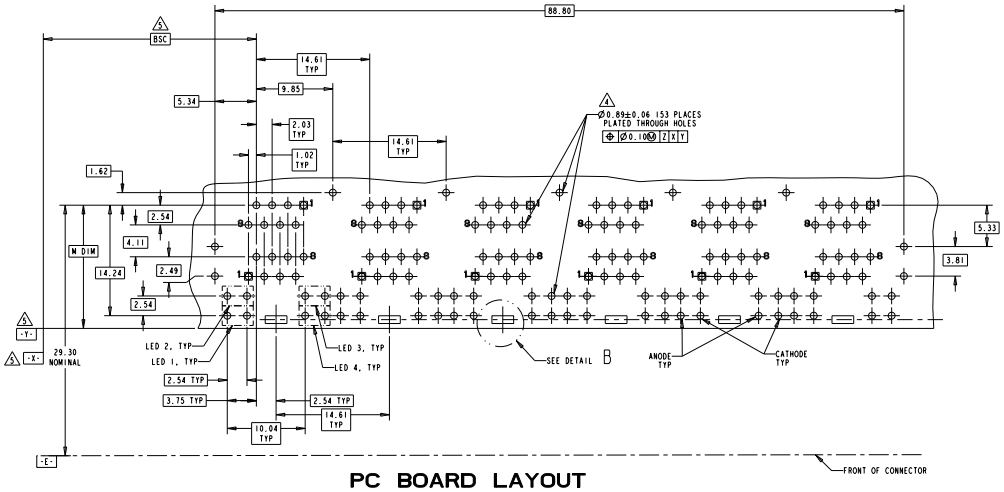
SCALE 3:1



DETAIL B
SCALE 12:1
PLATED PADS REQUIRED FOR 1888509-2 & -4 (PRODUCT WITH GROUNDING CLIPS)



BI-COLOR LED SCHEMATIC FOR 1888509-4,5
SCALE 4:1



PC BOARD LAYOUT (COMPLIANT SIDE)

DWN	28OCT2006	Tyco Electronics Corporation Harrisburg, PA 17105-3608	
CH L.A.MAYER	28OCT2006		
APP J.WESTMAN	28OCT2006		
DATE	28OCT2006	NAME STACKED MOD JACK ASSEMBLY, 2 X 6, 8 POSN, W/LEDS, RJ45, SHIELDED, PANEL GROUND, OFFSET, CAT 5	
DIMENSIONS: MM	TOLERANCES UNLESS OTHERWISE SPECIFIED: 6 PLC ±1°, 3 PLC ±0.13, 2 PLC ±1°, 4 PLC ±1°, ANGLES ±1°	PRODUCT SPEC 108-1854	
		APPLICATION SPEC 114-2169	
MATERIAL SEE NOTE 1	FINISH SEE NOTE 1	WEIGHT -	SIZE A1 CAGE CODE 00779 DRAWING NO C-1888509
		CUSTOMER DRAWING	SCALE 3:1 SHEET 2 OF 2

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