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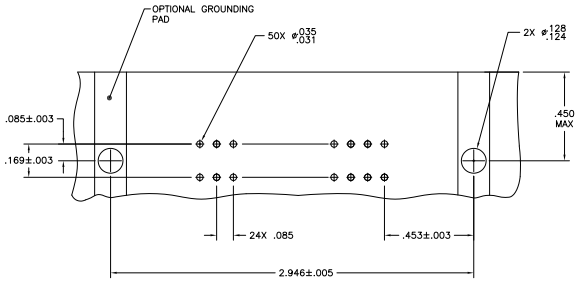
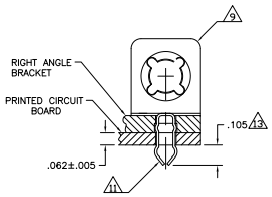
LOC	DIST
GP	00

REVISIONS

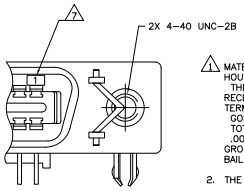
P	LTR	DESCRIPTION	DATE	DRN	APVD
	B	REVISED PER ECO-08-007327	09APR08	BM	WM



SUGGESTED PRINTED CIRCUIT BOARD MOUNTING DIMENSIONS

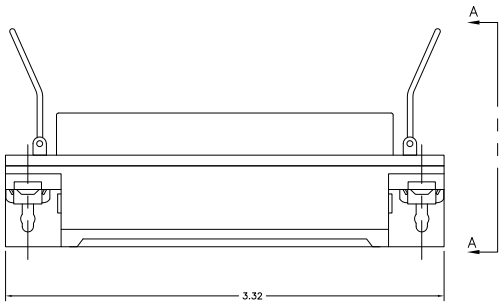


SECTION C–C

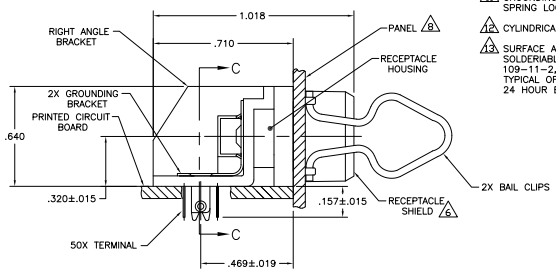


DETAIL A 5
STANDARD ORIENTATION

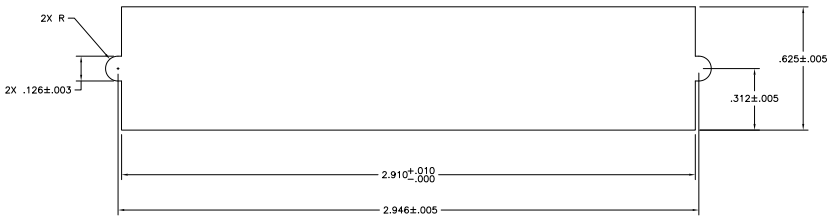
1. MATERIAL:
   HOUSING, RIGHT ANGLE BRACKET, ADAPTER COMB & TERMINAL SUPPORT PLATE – THERMOPLASTIC, BLACK.
   RECEPTACLE SHIELD – BRIGHT NICKEL OVER COPPER PLATED DIE CASTING.
   TERMINALS – HIGH STRENGTH COPPER ALLOY PLATED WITH EITHER .000030 MIN GOLD PLATE OR GOLD FLASH OVER PALLADIUM NICKEL PLATE, .000030 MIN TOTAL ON MATING SURFACE. .000120 MIN TIN PLATE ON TAILS. ALL OVER .000050 MIN NICKEL UNDERPLATE OVER ENTIRE TERMINAL.
   GROUND BRACKET – TIN PLATED CARBON STEEL.
   BAIL CLIPS – PASSIVATED STAINLESS STEEL.
2. THE CONTACT SURFACES OF THE TERMINALS ARE COATED WITH LUBRICANT.
3. CENTER TO CENTER SPACING OF TERMINALS IS .085 NOMINAL.
4. ALL DIMENSIONS ARE MAXIMUM UNLESS OTHERWISE SPECIFIED.
5. DETAIL "A" IS VIEWED FROM MATING SIDE OF THE RECEPTACLE ASSEMBLY.
6. SHIELD IS ASSEMBLED TO RECEPTACLE ASSEMBLY BEFORE SHIPMENT.
7. TERMINAL 1 IS LOCATED IN THIS ROW FOR STANDARD ORIENTAION, SEE DETAIL A.
8. PANEL THICKNESS RANGE: .062 MAXIMUM.
9. GROUNDING BRACKET RETAINS CONNECTOR IN .062 THICK PC BOARD WITHOUT ADDITIONAL HARDWARE.
10. IF TERMINALS DO NOT EXTEND BELOW COMB, THEN COMB SHALL BE PARTIALLY RETRACTED, BEFORE INSERTING CONNECTOR INTO THE PC BOARD.
11. GROUNDING BRACKET LOCATES CONNECTOR FLUSH WITH TOP OF PC BOARD AND SPRING LOCKS BENEATH.
12. CYLINDRICAL SHAPE OFFERS 180° OF SOLDERING SURFACE.
13. SURFACE AREA OF GROUNDING BRACKET BELOW PC BOARD SHALL PASS SOLDERIABLITY REQUIREMENTS IN ACCORDANCE WITH AMP SPECIFICATION 109–11–2, DISCOLORATION, SCRATHES, SPOTS AND OTHER COSMETIC DEFICIENCIES TYPICAL OF BARREL PLATING PROCESS ARE ACCEPTABLE PROVIDING PARTS PASS 24 HOUR EXPOSURE AT 95% RH AT 40°C, WITHOUT EVIDENCE OF CORROSION.



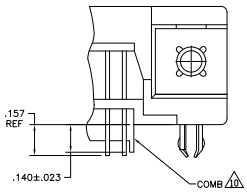
TOP VIEW



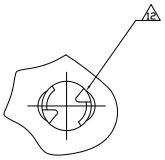
SIDE VIEW A–A
REAR PANEL MOUNTING DETAIL
SHOWN FOR REFERENCE ONLY



SUGGESTED REAR PANEL
MOUNTING CUTOUT DIMENSIONs



DETAIL B



A	STANDARD	5555057–1
DETAIL	ORIENTATION	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES

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

MATERIAL 1
FINISH 1

TYPE B. MCMASTER 24AUG05
CHK W. MILLHIMES 24AUG05
APVD W. MILLHIMES 24AUG05
PRODUCT SPEC —
APPLICATION SPEC —
WEIGHT —

Tyco Electronics
Tyco Electronics Corporation
Harrisburg, PA 17105–3608

NAME
RECEPTACLE ASSEMBLY, 50 POSITION, RIGHT ANGLE,SHIELDED, BAIL LOCK W/ GROUND, PANEL MOUNTING

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-5555057	—

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

AMP 4805 REV 31MAR2000

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