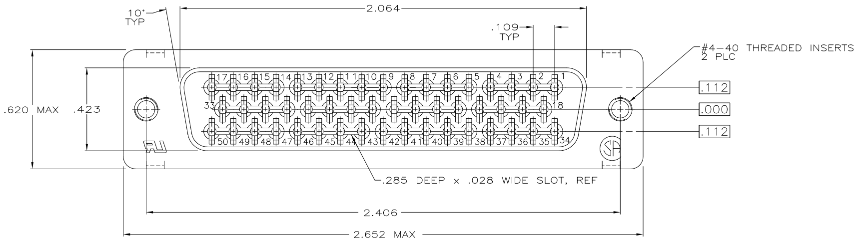
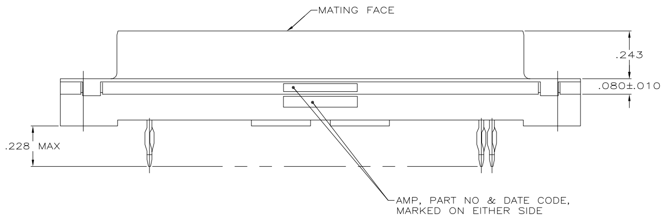
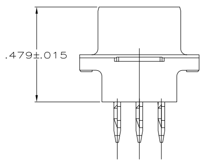
LOC	DIST
GP	00

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	L	REVISED PER ECO-10-019804	03NOV10	HMR	JL







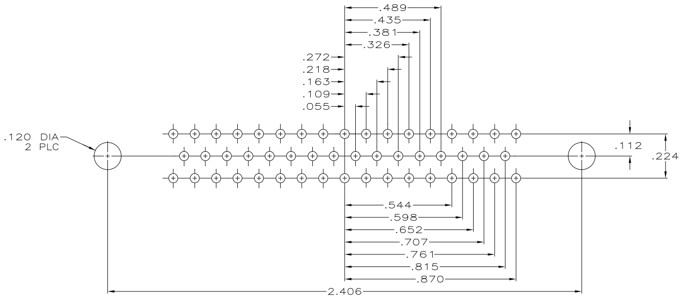
△1 PC BOARD RECOMMENDATIONS:
- A. HOLES SHOULD BE DRILLED WITH A 1.15 mm DRILL.
- B. MINIMUM PCB TIN/LEAD PLATING TO BE .0003 THICK OVER .002±1.001 THICK COPPER.
- C. RECOMMENDED HOLE SIZE AFTER TIN/LEAD PLATING IS .037 TO .043 FOR PCB .093 TO .125 THICK.
- D. IF HOLE IS REFLOWED AFTER PLATING, DIA TO BE .036 TO .043.

△2 DUPLEX PLATED: GOLD FLASH ON MATING SURFACE, BRIGHT TIN OR BRIGHT TIN LEAD ON COMPLIANT PIN, ALL OVER NICKEL.

△3 0.76 MICRO METERS [.000030] MINIMUM GOLD IN MATING AREA.
2.54 MICRO METERS [.000100] MINIMUM TIN OR TIN-LEAD ON COMPLIANT PIN.
ALL OVER 1.27 MICRO METERS [.000050] MINIMUM NICKEL.
OR
GOLD FLASH OVER PALLADIUM NICKEL.
0.76 MICRO METERS [.000030] MINIMUM TOTAL IN MATING AREA.
2.54 MICRO METERS [.000100] MINIMUM TIN OR TIN-LEAD ON COMPLIANT PIN.
ALL OVER 1.27 MICRO METERS [.000050] MINIMUM NICKEL.

△4 PLATED .0002-.0004 BRIGHT TIN

5. CONNECTOR MATES WITH ANY SIZE 5, 50 POSITION PLUG IN AMPLIMITE SERIES & COMPLIES WITH AMP SPEC 108-40014 WHERE APPLICABLE.



RECOMMENDED PC BOARD HOLE LAYOUT △1

	INSERT THREAD LENGTH	CONTACT FINISH	PART NUMBER
OBSOLETE	FULL	△3	747144-3
	HALF	△3	747144-2
OBSOLETE	HALF	△2	747144-1

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES

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

MATERIAL –
FINISH △4

DWN D.HARDY 04-12-94
CHK R.STONE 04-26-94
APVD – –
PRODUCT SPEC –
APPLICATION SPEC –
WEIGHT –

Tyco Electronics
Tyco Electronics Corporation
Harrisburg, PA 17105-3608

NAME
RCPT ASSY, SIZE 5, 50 POSN, AMPLIMITE
HDP, MDM PROFILE, W/ ACTION PIN CONT &
METAL SHELL. (PCB .093/.125)

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-747144	–

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