

THIS DRAWING IS UNPUBLISHED.

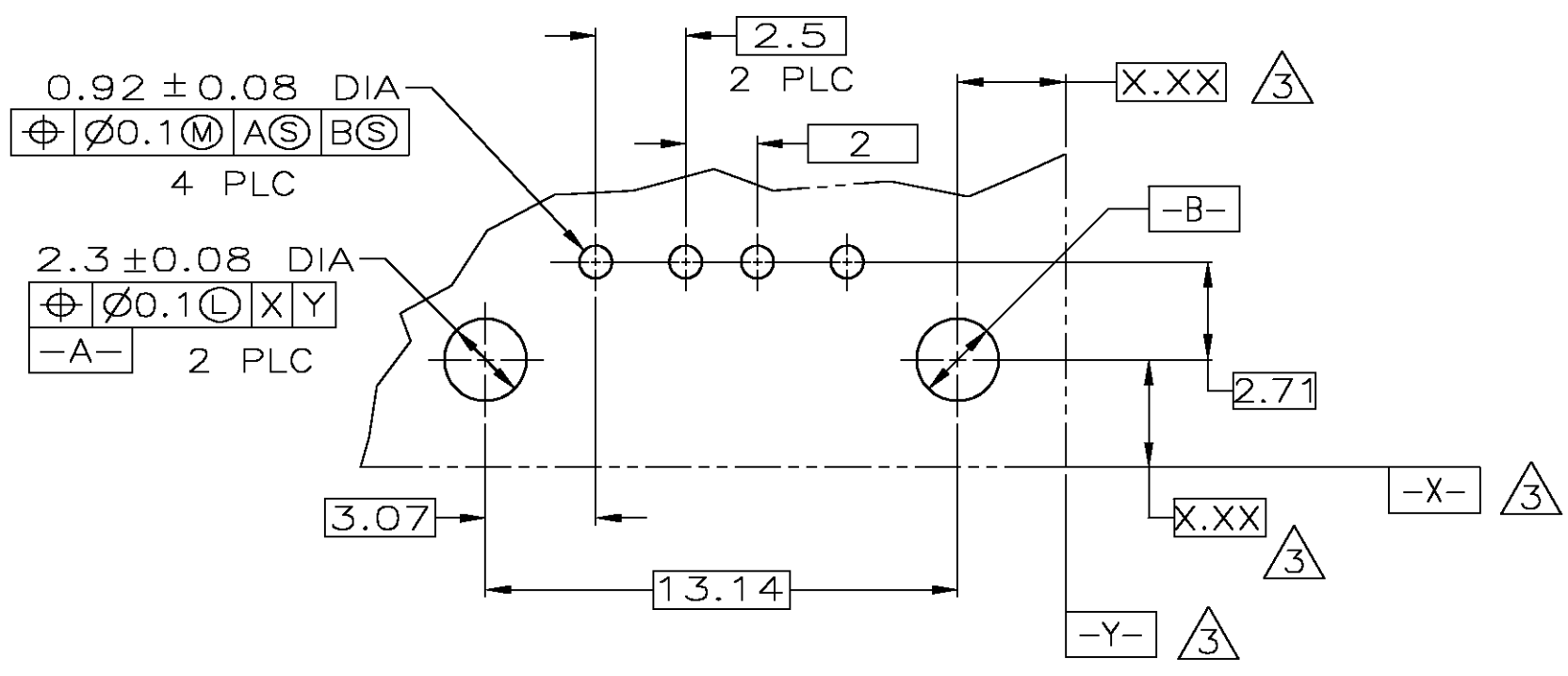
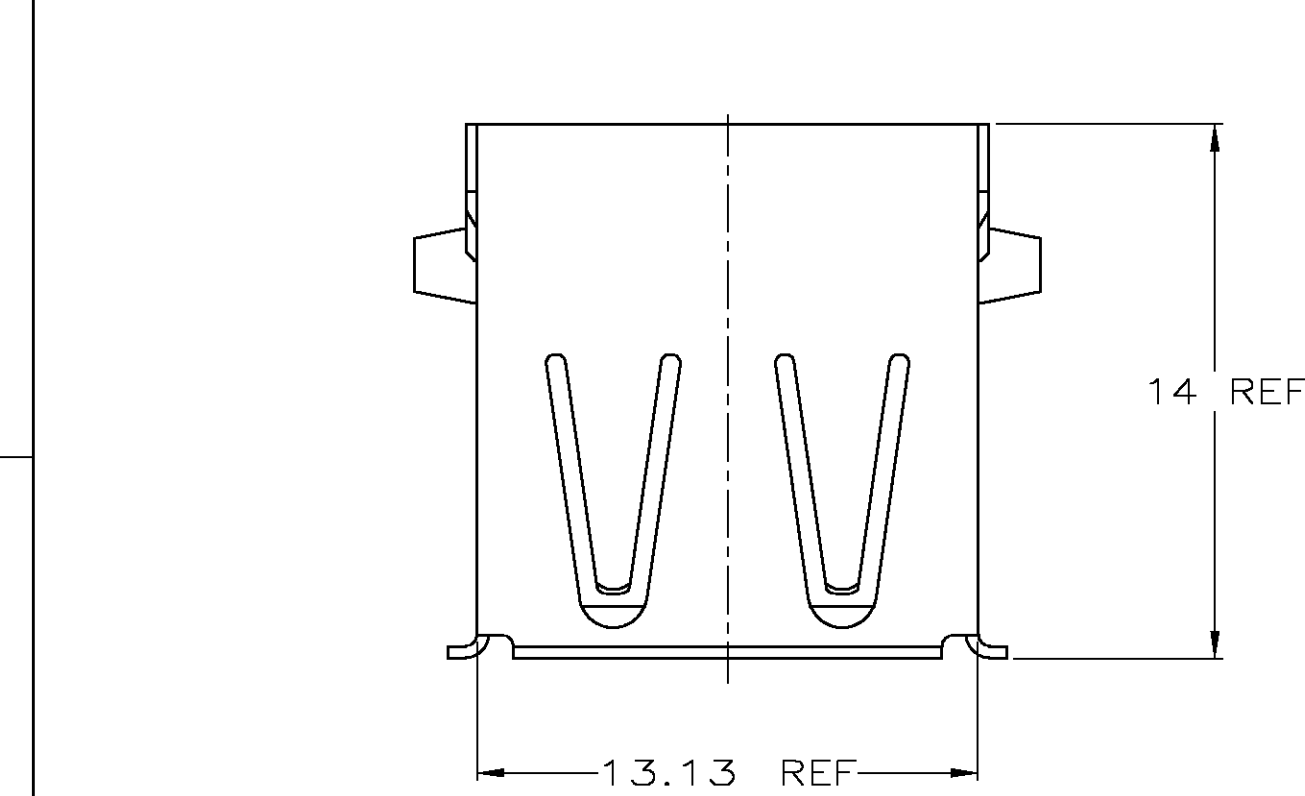
RELEASED FOR PUBLICATION

19

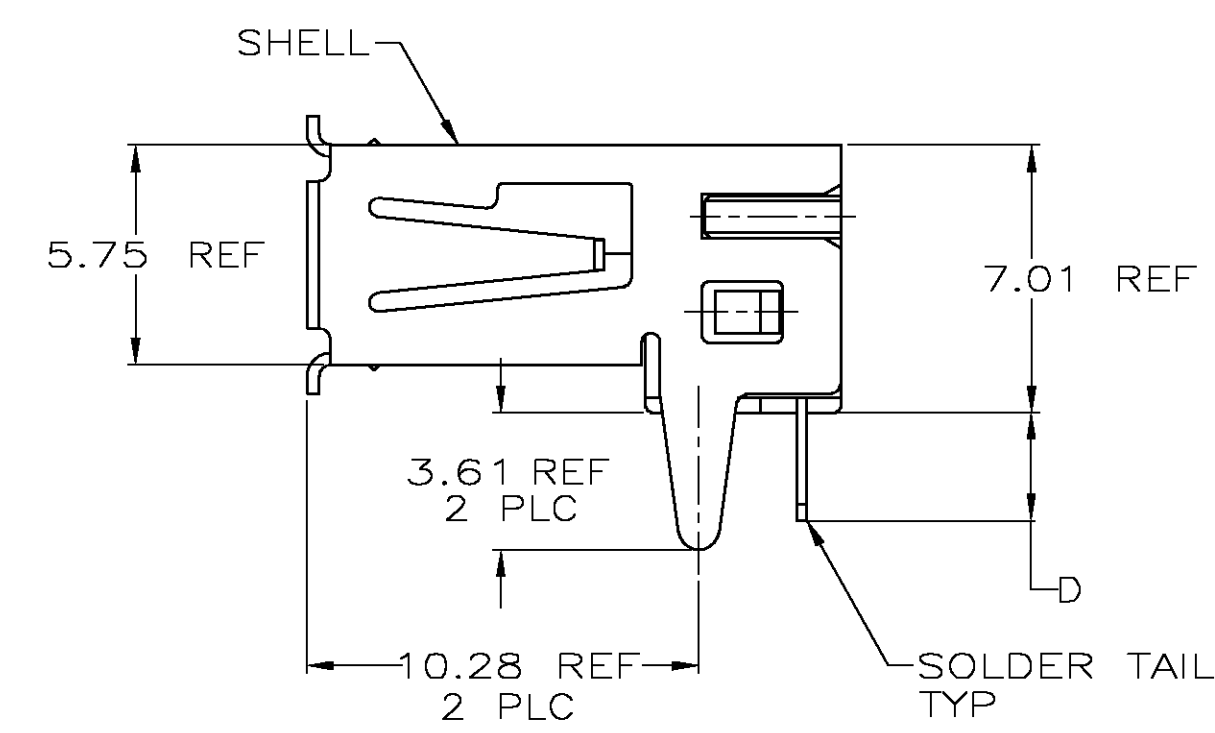
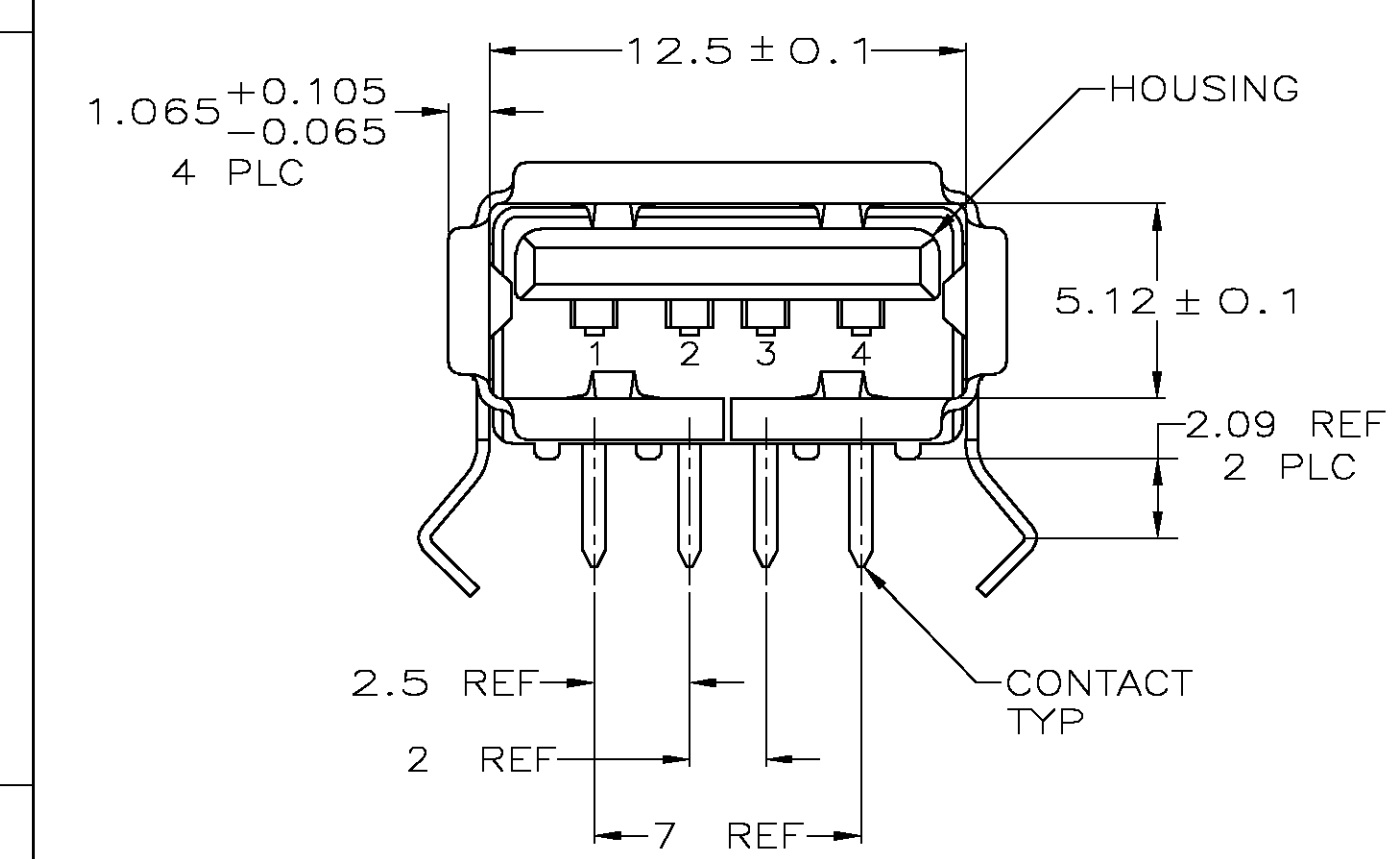
© COPYRIGHT 19

BY AMP INCORPORATED. ALL RIGHTS RESERVED.

LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
ES	00		E2	REVISED ECR-08-019470	04AUG08	AZ	SY



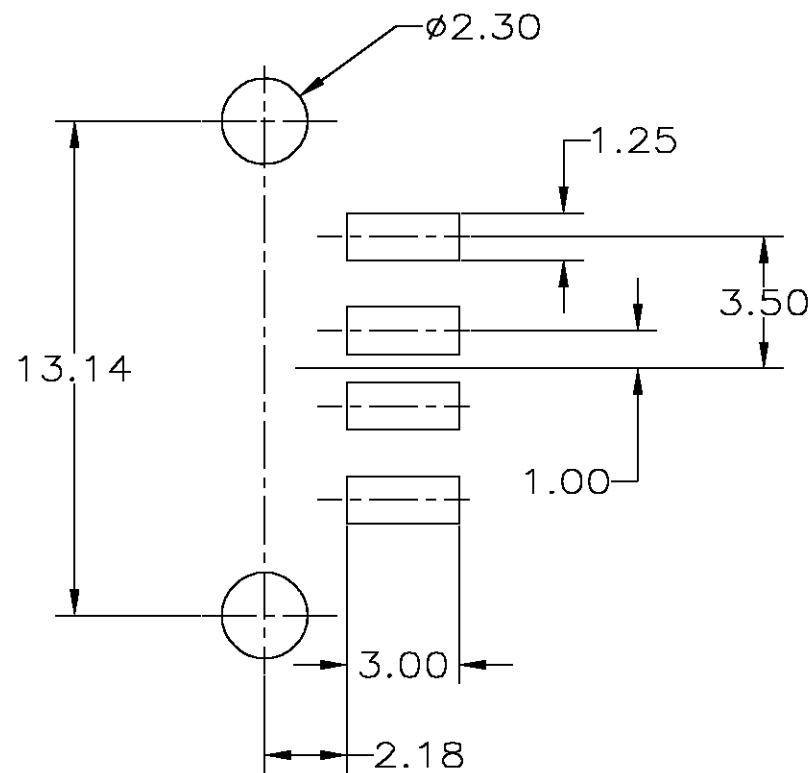
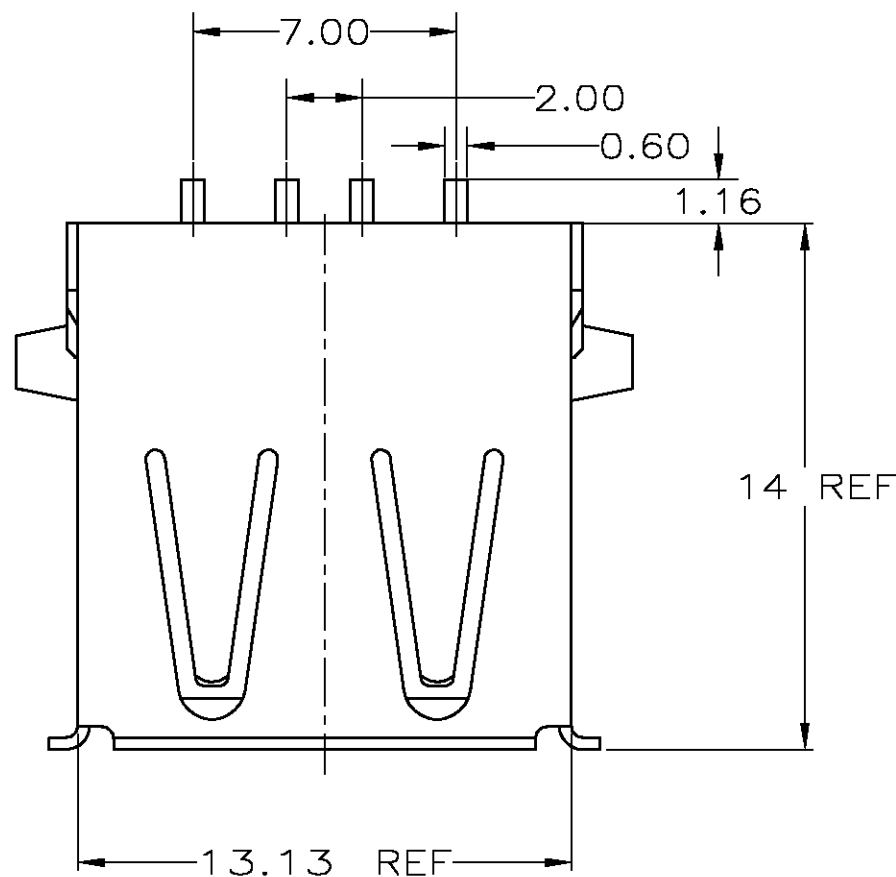
PC BOARD MOUNTING DIMENSIONS ④



- ① MATERIAL:
SHELL & CONTACTS- COPPER ALLOY.
HOUSING: UL 94V-0 RATED, THERMOPLASTIC, COLOR SEE TABLE.
- ② PLATING:
CONTACTS: 0.076 μm MINIMUM GOLD OVER 0.76 μm MINIMUM PALLADIUM-NICKEL ON MATING AREA.
3.8 μm MINIMUM MATTE TIN ON SOLDER TAILS.
BOTH OVER 1.27 μm MINIMUM NICKEL.
CONTACT ALTERNATE PLATING: 0.76 μm MIN GOLD ON MATING AREA, 3.80 μm MIN MATTE TIN ON SOLDER TAILS, BOTH OVER 1.27 μm MIN NICKEL.
SHELL: 2~5 μm MINIMUM BRIGHT TIN
- ③ DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.
- ④ RECOMMENDED PC BOARD THICKNESS OF 1.57.

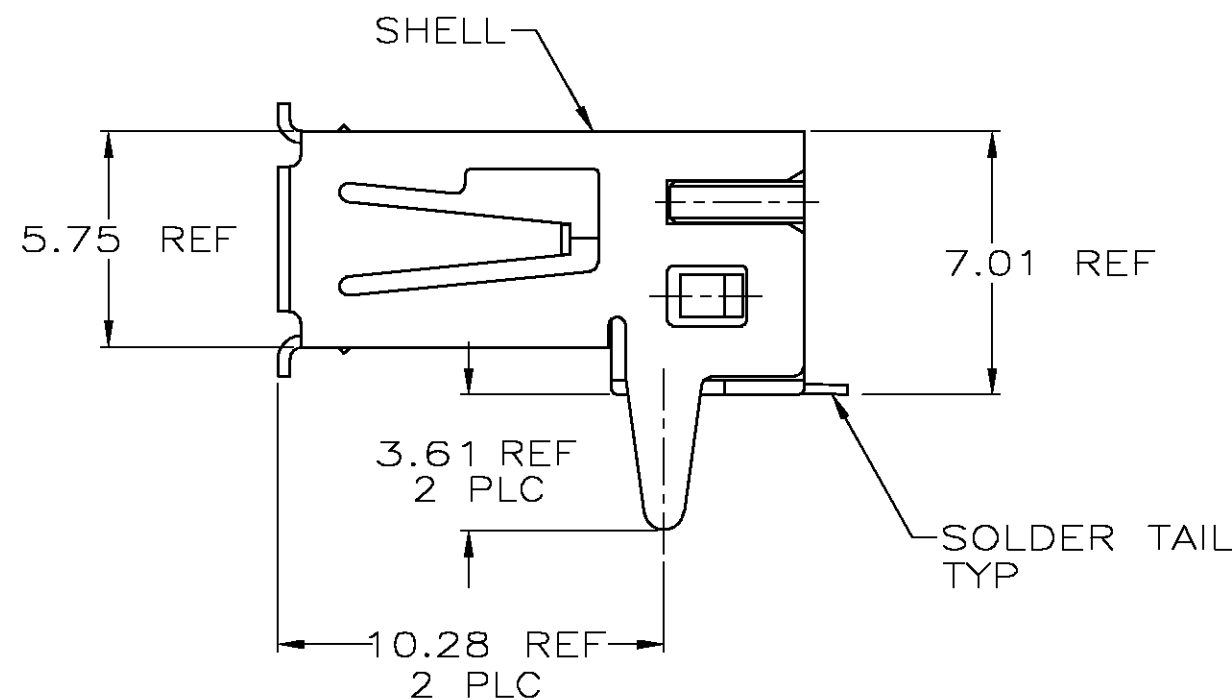
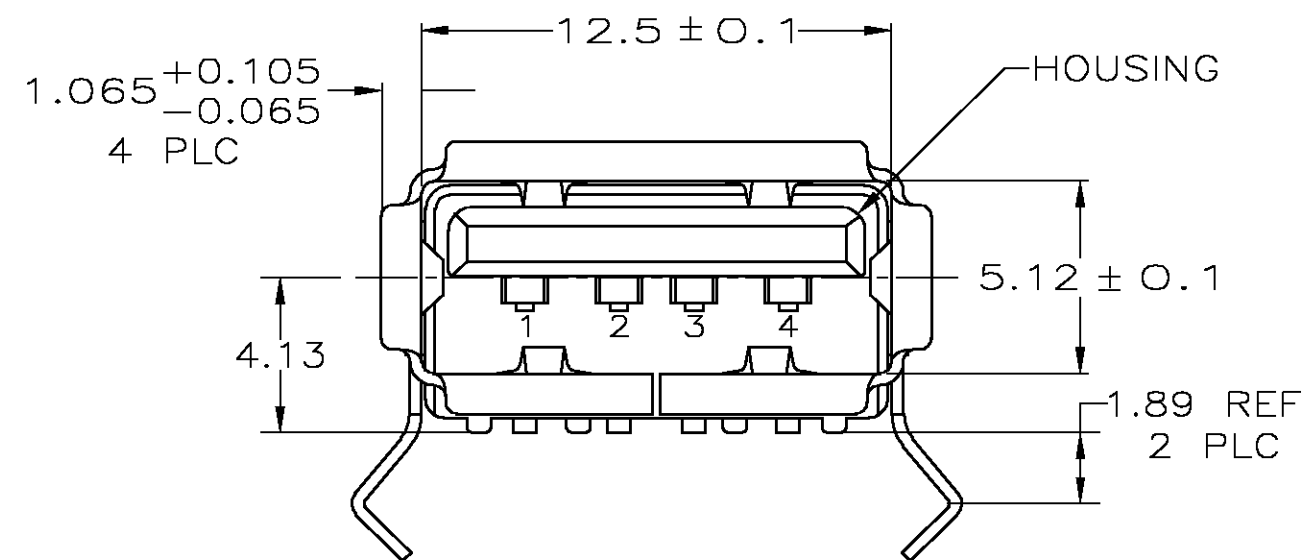
YES	2.29	BLACK	292303-6
YES	2.84	NATURAL	292303-5
YES	2.84	BLACK	292303-4
NO	2.84	NATURAL	292303-3
NO	2.29	BLACK	292303-2
NO	2.84	BLACK	292303-1
HIGH TEMPERATURE COMPATIBLE		D	HOUSING COLOR
			PART NUMBER

LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
ES	00		—	SEE SHEET 1	—	—	—



- 1 MATERIAL:
SHELL & CONTACTS- COPPER ALLOY.
HOUSING: UL 94V-0 RATED, THERMOPLASTIC, COLOR SEE TABLE.
- 2 PLATING:
CONTACTS: 0.076 μm MINIMUM GOLD OVER 0.76 μm MINIMUM PALLADIUM-NICKEL ON MATING AREA.
3.8 μm MINIMUM MATTE TIN ON SOLDER TAILS.
BOTH OVER 1.27 μm MINIMUM NICKEL.
CONTACT ALTERNATE PLATING: 0.76 μm MIN GOLD ON MATING AREA, 3.80 μm MIN MATTE TIN ON SOLDER TAILS, BOTH OVER 1.27 μm MIN NICKEL.
SHELL: 2~5 μm MINIMUM BRIGHT TIN
- 3 RECOMMENDED PC BOARD THICKNESS OF 1.42.

RECOMMENDED PC BOARD MOUNTING LAYOUT 3
(TOLERANCE= ± 0.05)



YES	BLACK	1-292303-1
YES	NATURAL	292303-7
HIGH TEMPERATURE COMPATIBLE	HOUSING COLOR	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT FOR AMP INCORPORATED. IT IS SUBJECT TO CHANGE AND THE CONTROLLING ENGINEERING ORGANIZATION SHOULD BE CONTACTED FOR THE LATEST REVISION.		DWN J.JIANG 19FEB04	Tyco Electronics Corporation Shanghai, P.R.China, 200233		
DIMENSIONS:		CHK S.YAO 19FEB04			
mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD T.SASAKI 19FEB04	NAME		
	0 PLC ±- 1 PLC ±- 2 PLC ±0.25 3 PLC ±- 4 PLC ±- ANGLES ±- FINISH	PRODUCT SPEC 108-60034	RECEPTACLE ASSEMBLY RIGHT ANGLE, 4 POSITION, T/H & SMT USB, LEAD FREE VERSION		
MATERIAL 1	2	APPLICATION SPEC -	SIZE	CAGE CODE	DRAWING NO
		WEIGHT -	A2	00779	C=292303
CUSTOMER DRAWING			SCALE 5:1	SHEET 2 OF 4	REV E2

D

D

C

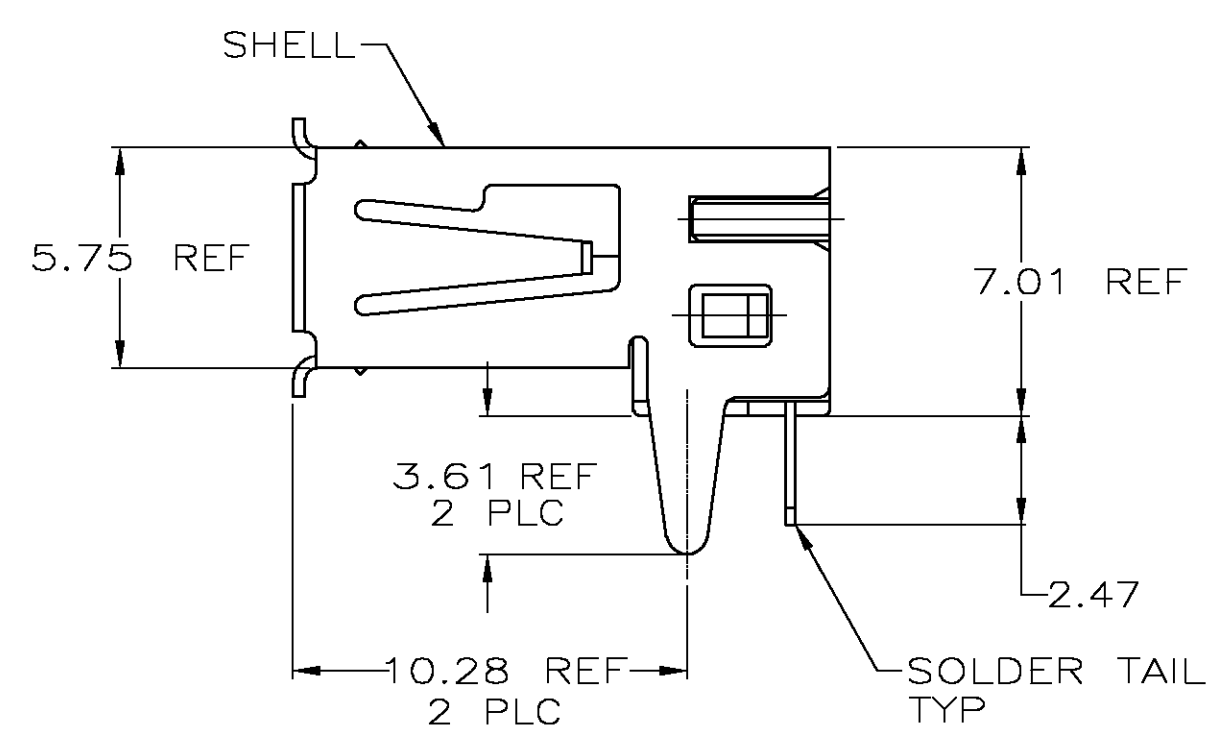
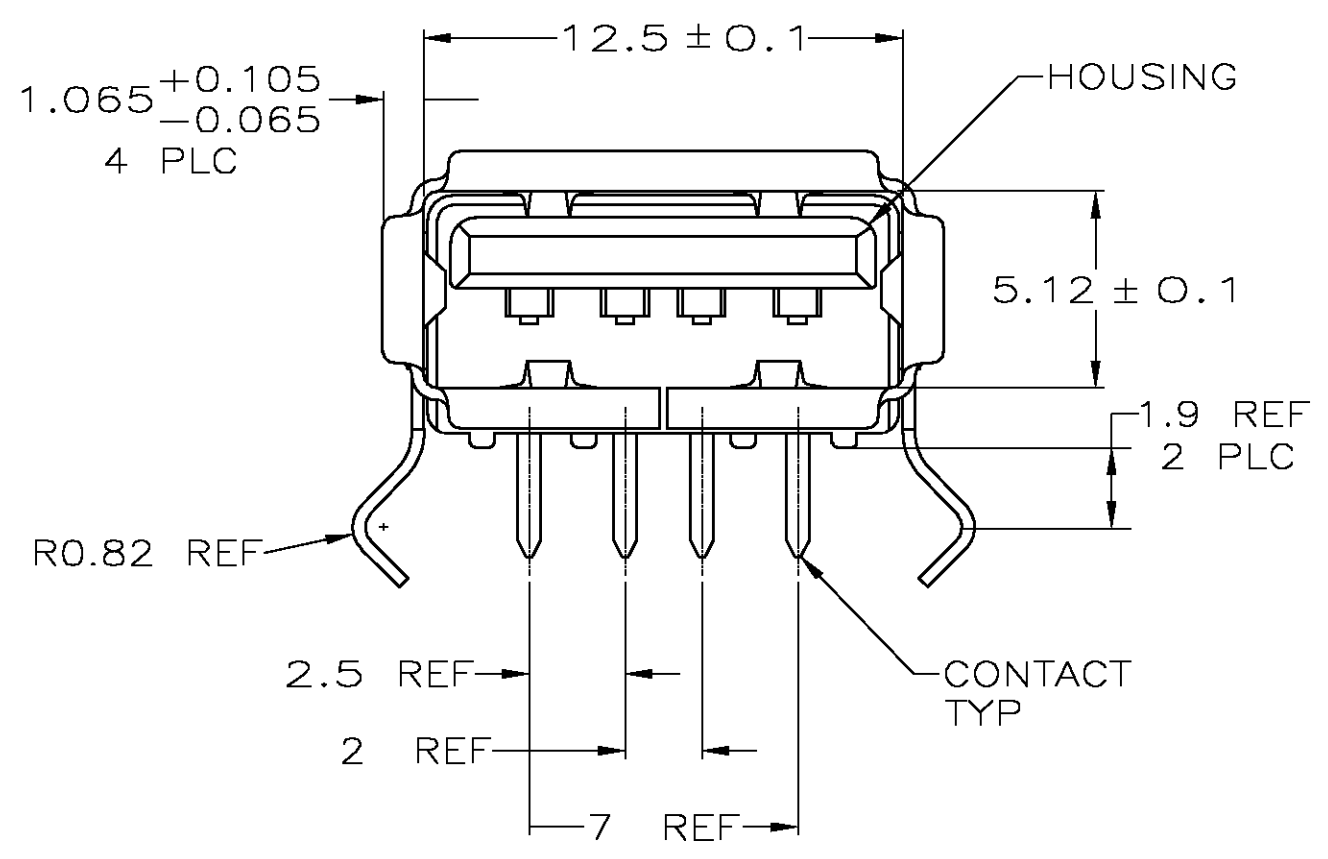
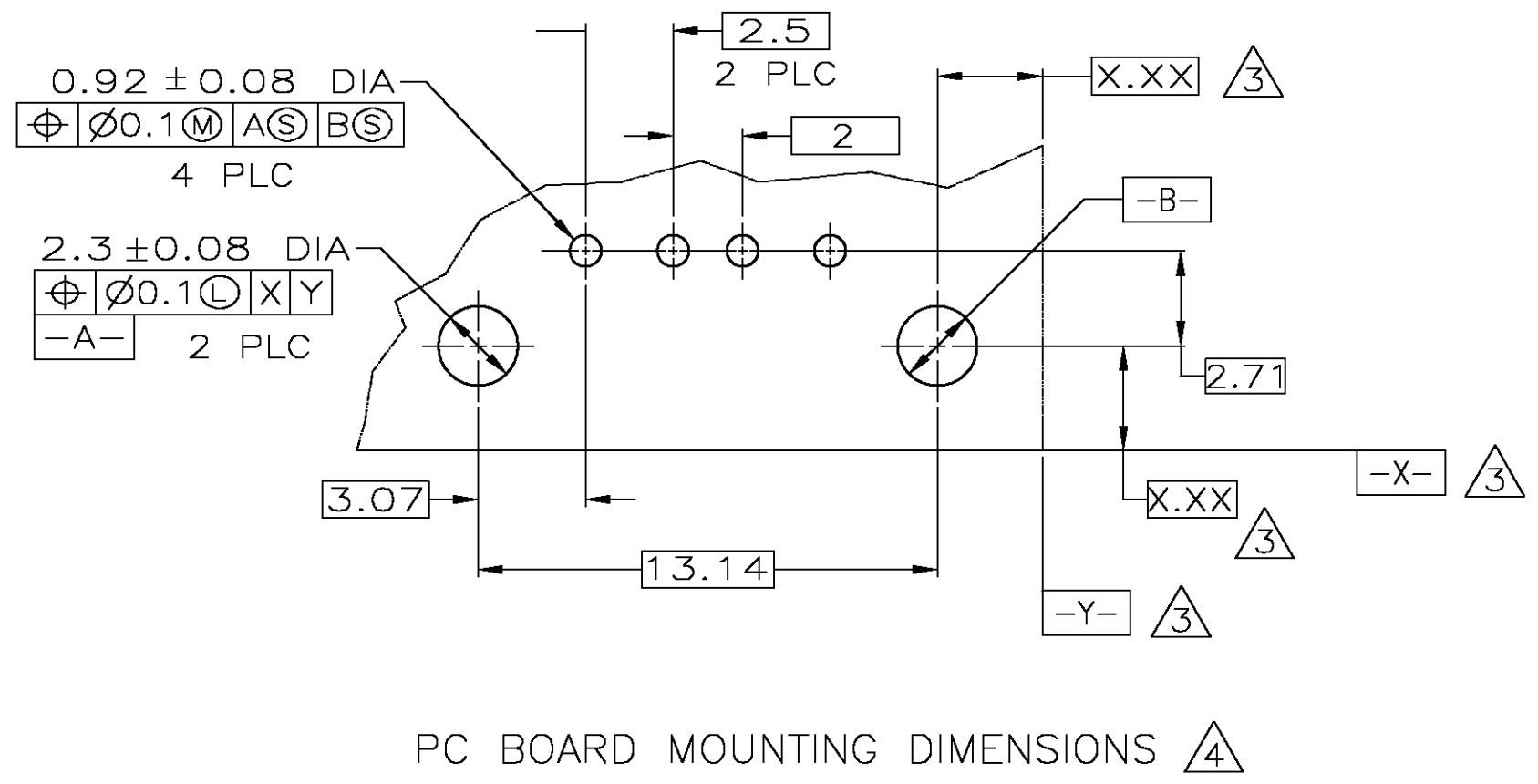
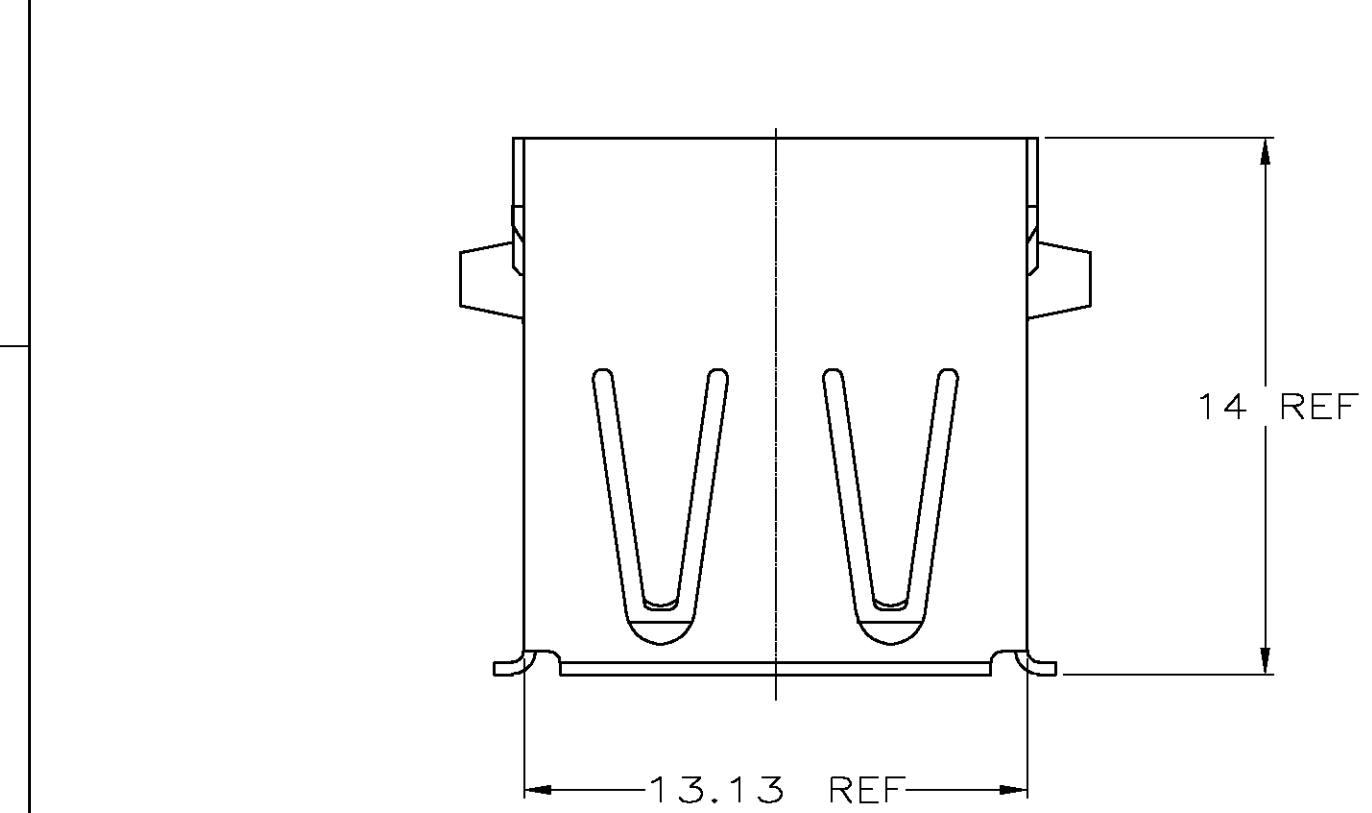
C

B

B

A

A



- MATERIAL:
SHELL & CONTACTS- COPPER ALLOY.
HOUSING: UL 94V-0 RATED, THERMOPLASTIC, COLOR SEE TABLE.
- PLATING:
CONTACTS: 0.076 μm MINIMUM GOLD OVER 0.76 μm MINIMUM PALLADIUM-NICKEL ON MATING AREA.
3.8 μm MINIMUM MATTE TIN ON SOLDER TAILS.
BOTH OVER 1.27 μm MINIMUM NICKEL.
CONTACT ALTERNATE PLATING: 0.76 μm MIN GOLD ON MATING AREA, 3.80 μm MIN MATTE TIN ON SOLDER TAILS, BOTH OVER 1.27 μm MIN NICKEL.
SHELL: 2~5 μm MINIMUM BRIGHT TIN
- DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.
- RECOMMENDED PC BOARD THICKNESS OF 1.2.

NO	NATURAL	292303-8
HIGH TEMPERATURE COMPATIBLE	HOUSING COLOR	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT FOR AMP INCORPORATED. IT IS SUBJECT TO CHANGE AND THE CONTROLLING ENGINEERING ORGANIZATION SHOULD BE CONTACTED FOR THE LATEST REVISION.

DIMENSIONS:
mm

0 PLC ±

1 PLC ±

2 PLC ±0.25

3 PLC ±

4 PLC ±

ANGLES ±

FINISH

DWN
MARTIN LI
22OCT07

CHK
MARTIN LI
23OCT07

APVD
STEVEN YAO
23OCT07

PRODUCT SPEC
108-60034

APPLICATION SPEC
-

WEIGHT
-

CUSTOMER DRAWING

Tyco Electronics

Tyco Electronics Corporation
Shanghai, P.R.China, 200233

NAME
RECEPTACLE ASSEMBLY RIGHT
ANGLE, 4 POSITION, T/H & SMT
USB, LEAD FREE VERSION

SIZE
A2

CAGE CODE
00779

DRAWING NO
C=292303

SCALE
5:1

SHEET
3 OF 4

REV
E2

LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
ES	00		—	SEE SHEET 1	—	—	—

D

C

B

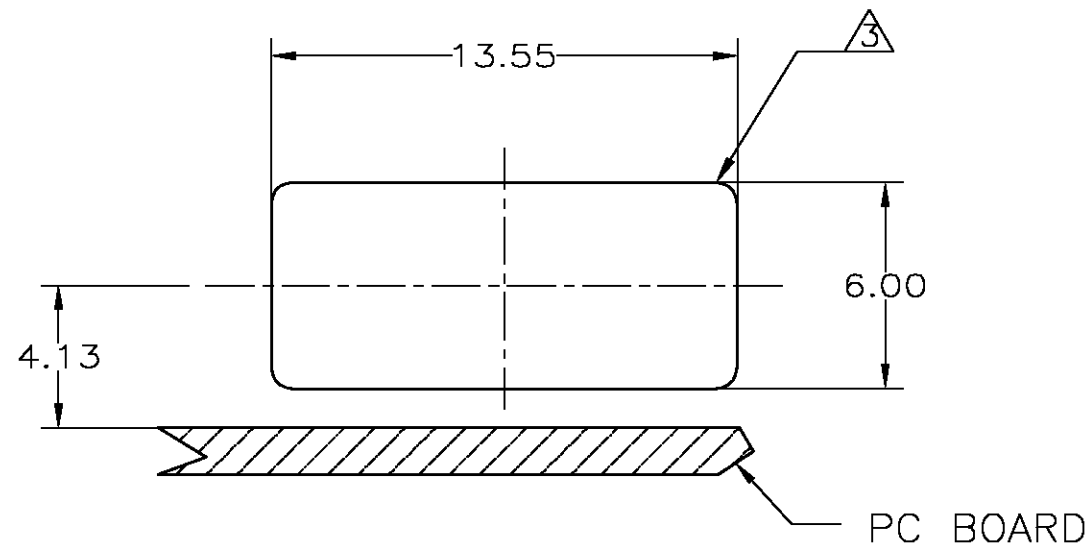
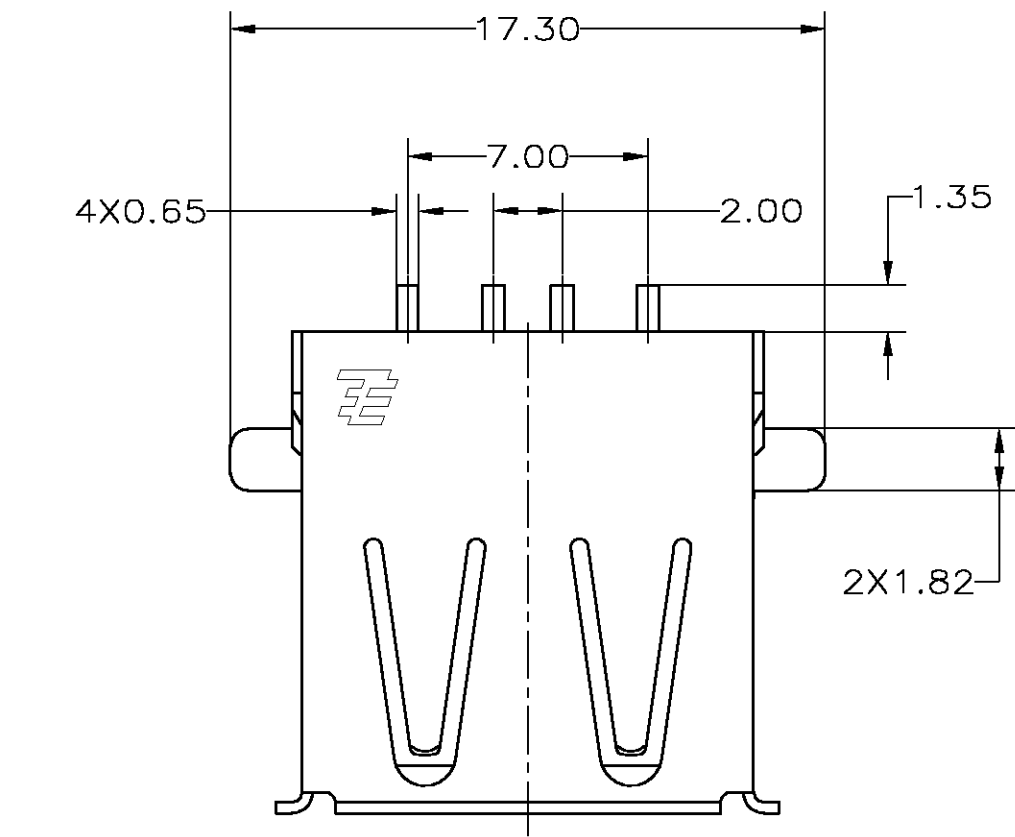
A

D

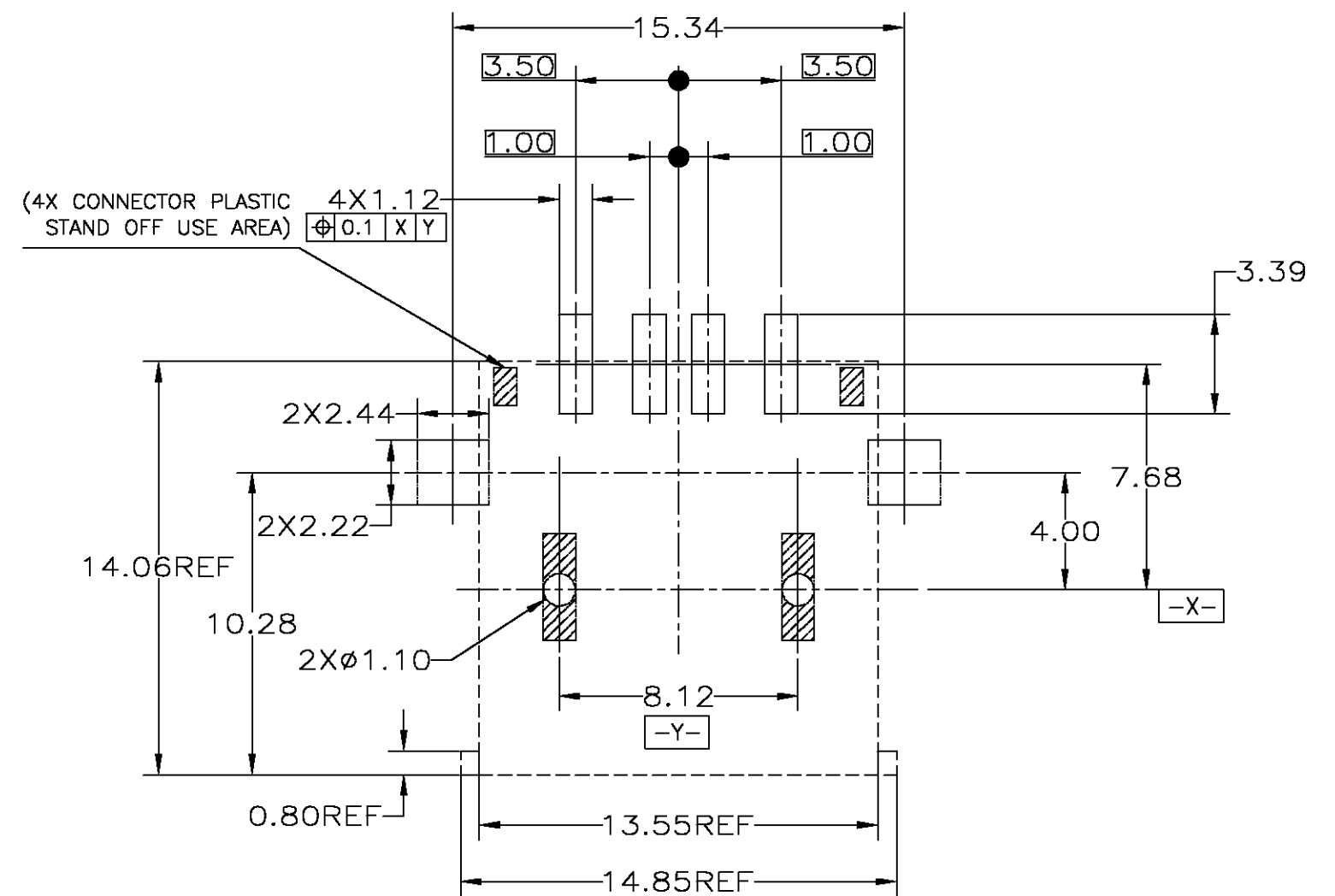
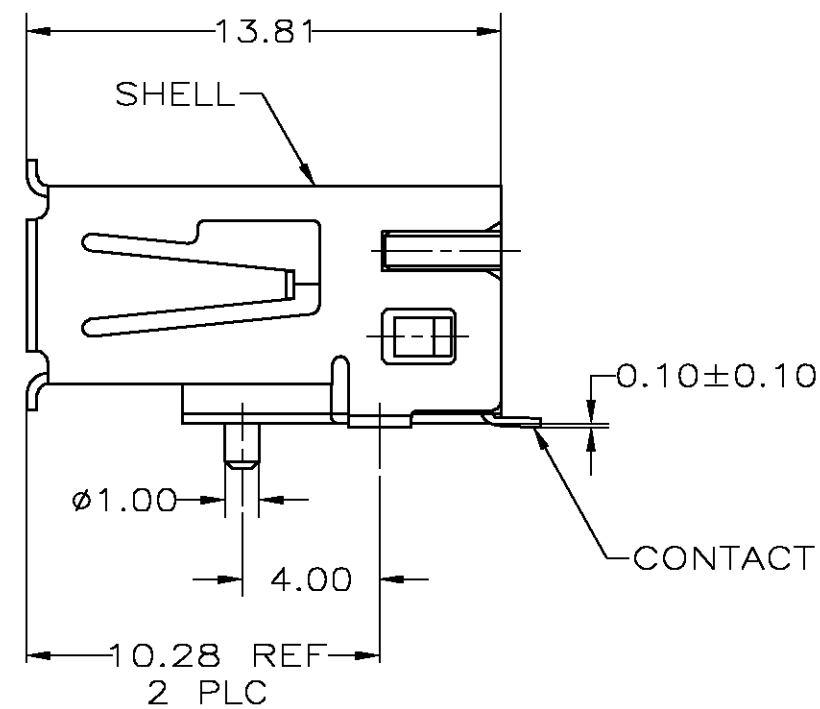
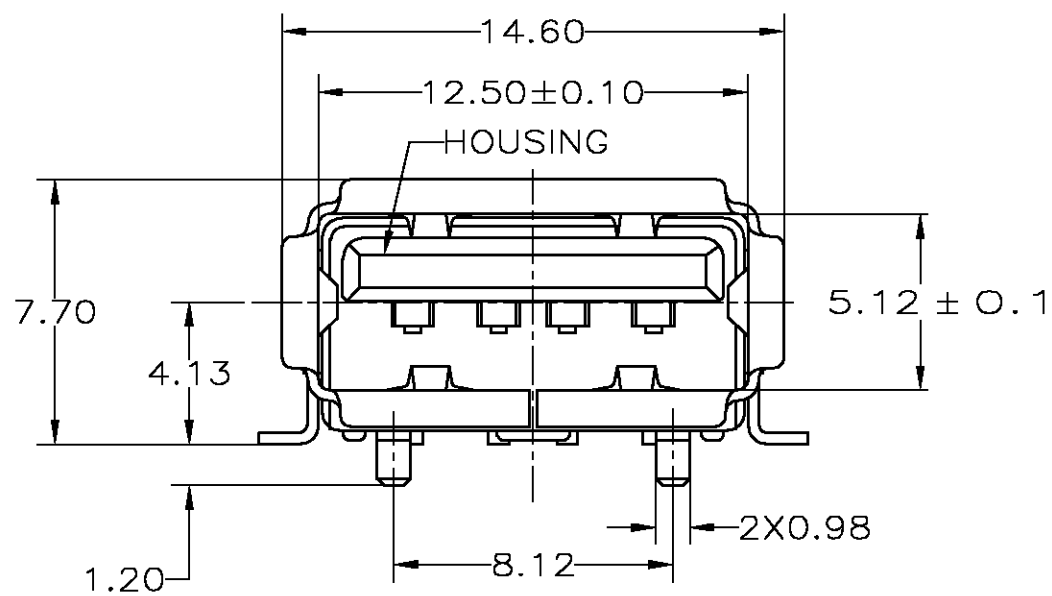
C

B

A



RECOMMENDED MOUNTING PANEL CUTOUT



RECOMMENDED PC BOARD MOUNTING LAYOUT (TOLERANCE=±0.05)

YES	NATURAL	292303-9
HIGH TEMPERATURE COMPATIBLE	HOUSING COLOR	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT FOR AMP INCORPORATED. IT IS SUBJECT TO CHANGE AND THE CONTROLLING ENGINEERING ORGANIZATION SHOULD BE CONTACTED FOR THE LATEST REVISION.		DWN J.JIANG 19FEB04	Tyco Electronics Corporation Shanghai, P.R.China, 200233		
DIMENSIONS: mm		CHK S.YAO 19FEB04			
		APVD T.SAKAKI 19FEB04	NAME RECEPTACLE ASSEMBLY RIGHT ANGLE, 4 POSITION, T/H & SMT USB, LEAD FREE VERSION		
		PRODUCT SPEC 108-60034			
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPLICATION SPEC -	SIZE A2	CAGE CODE 00779	DRAWING NO C=292303
MATERIAL 		WEIGHT -	SCALE 5:1		
FINISH 		CUSTOMER DRAWING	SHEET 4	OF 4	REV E2