

4 3 2 1

THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION .19
 BY AMP INCORPORATED. ALL RIGHTS RESERVED.

LOC		DIST		REVISIONS		
ES	00	P	LTR	DESCRIPTION	DATE	DWN
				D4 REVISED ECR-17-010413	20JUL17	T.Z H.W

0.92 ±0.08 DIA
 $\oplus \varnothing 0.1 \text{ M A } \textcircled{3} \text{ B } \textcircled{3}$
 4 PLC

2.3 ±0.08 DIA
 $\oplus \varnothing 0.1 \text{ L X Y}$
 -A- 2 PLC

15.71 REF

12.04 REF

2.5

4.77

12.04

4.71

2.71

PIN2

PIN1

PIN3

PIN4

-X- 3

-Y- 3

-B- 3

PC BOARD MOUNTING DIMENSIONS 4

△ MATERIAL:
 ① SHELL : STAINLESS STEEL.
 CONTACTS: COPPER ALLOY.
 HOUSING: UL 94V-0 RATED, THERMOPLASTIC, BLACK.

△ PLATING:
 CONTACTS: 0.076μm MINIMUM GOLD OVER 0.76μm MINIMUM PALLADIUM-NICKEL ON MATING AREA.
 3.8μm MINIMUM MATTE TIN ON SOLDER TAILS.
 BOTH OVER 1.27μm MINIMUM NICKEL.
 CONTACT ALTERNATE PLATING: 0.76μm MIN GOLD ON MATING AREA, 3.8μm MIN MATTE TIN ON SOLDER TAILS, BOTH OVER 1.27μm MIN NICKEL.
 SHELL: 2.0~5.0μm MINIMUM TIN.

△ DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.

△ RECOMMENDED PC BOARD THICKNESS OF 1.57.

△ PLATING:
 CONTACTS: 0.76μm MINIMUM GOLD ON MATING AREA, 3.8μm MINIMUM MATTE TIN ON SOLDER TAILS, BOTH OVER 1.27μm MINIMUM NICKEL.
 SHELL: 2.0~5.0μm MINIMUM TIN.

△ PLATING:
 CONTACTS: 0.38μm MINIMUM GOLD ON MATING AREA, 3.8μm MINIMUM MATTE TIN ON SOLDER TAILS, BOTH OVER 1.27μm MINIMUM NICKEL.
 SHELL: 2.0~5.0μm MINIMUM TIN.

7 RECOMMEND:
 MATING FORCE: 35N MAX.
 UNMATING FORCE: 13N MIN.
 RECOMMENDED MATING PLUG SHOULD MEET USB2.0 STANDARD.

12.03

8.45

11.05

7.78

2.5 REF

HOUSING

CONTACT TYP

11.5 REF

3.93 REF
2 PLC

10.28 REF
2 PLC

3.01 ±0.25
2 PLC

SHELL

SOLDER TAIL TYP

6.98 ±0.25

SECTION X-X

△6	NO	BLACK	292304-5
△5	NO	BLACK	292304-4
△2	YES	BLACK	292304-3
△2	YES	NATURAL	292304-2
△2	NO	BLACK	292304-1
PLATING	HIGH TEMPERATURE COMPATIBLE	HOUSING COLOR	PART NUMBER

AMP 1471-9 REV 10/93 Translated 040217.101735 (YYMDD.HHMMSS) from Computervision, Inc., Medusa Revision 12.2.5T

DWN	J.JIANG	23FEB04	Tyco Electronics Tyco electronics coporation Shanghai, P.R.China, 200233
CHK	S.YAO	23FEB04	
APVD	T.SASAKI	23FEB04	
PRODUCT SPEC			
DIMENSIONS: mm			NAME
TOLERANCES UNLESS OTHERWISE SPECIFIED:			RECEPTACLE ASSEMBLY, RIGHT ANGLE, 4 POSITION, THRU-HOLE, TYPE B UNIVERSAL SERIAL BUS, LEAD FREE VERSION
0 PLC	±		SIZE
1 PLC	±		CAGE CODE
2 PLC	±0.1		DRAWING NO
3 PLC	±		A2 00779 C-292304
4 PLC	±		SCALE
ANGLES	±		5:1
FINISH	△2		SHEET
MATERIAL	△1		1 OF 1
CUSTOMER DRAWING			REV
			D4