

4

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2

1

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

15.71 REF  
12.04 REF

0.92 ±0.08 DIA  
 $\oplus \varnothing 0.1 \text{ (M) A (S) B (S)}$   
 4 PLC  
 2.3 ±0.08 DIA  
 $\oplus \varnothing 0.1 \text{ (L) X Y}$   
 -A- 2 PLC  
 PIN2 PIN1  
 PIN3 PIN4  
 2.5  
 X.XX 3  
 -B-  
 4.71  
 2.71  
 4.77  
 12.04  
 -X- 3  
 -Y- 3

PC BOARD MOUNTING DIMENSIONS 4

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

2 PLATING:  
 CONTACTS: 0.076 $\mu\text{m}$  MINIMUM GOLD OVER 0.76 $\mu\text{m}$  MINIMUM PALLADIUM-NICKEL ON MATING AREA.  
 3.8 $\mu\text{m}$  MINIMUM MATTE TIN ON SOLDER TAILS.  
 BOTH OVER 1.27 $\mu\text{m}$  MINIMUM NICKEL.  
 CONTACT ALTERNATE PLATING: 0.76 $\mu\text{m}$  MIN GOLD ON MATING AREA, 3.8 $\mu\text{m}$  MIN MATTE TIN ON SOLDER TAILS, BOTH OVER 1.27 $\mu\text{m}$  MIN NICKEL.  
 SHELL: 2.0~5.0 $\mu\text{m}$  MINIMUM TIN.

3 DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.

4 RECOMMENDED PC BOARD THICKNESS OF 1.57.

5 PLATING:  
 CONTACTS: 0.76 $\mu\text{m}$  MINIMUM GOLD ON MATING AREA, 3.8 $\mu\text{m}$  MINIMUM MATTE TIN ON SOLDER TAILS, BOTH OVER 1.27 $\mu\text{m}$  MINIMUM NICKEL.  
 SHELL: 2.0~5.0 $\mu\text{m}$  MINIMUM TIN.

6 PLATING:  
 CONTACTS: 0.38 $\mu\text{m}$  MINIMUM GOLD ON MATING AREA, 3.8 $\mu\text{m}$  MINIMUM MATTE TIN ON SOLDER TAILS, BOTH OVER 1.27 $\mu\text{m}$  MINIMUM NICKEL.  
 SHELL: 2.0~5.0 $\mu\text{m}$  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  
CONTACT TYP

SHELL  
 X  
 11.5 REF  
 3.93 REF  
 2 PLC  
 10.28 REF  
 2 PLC  
 3.01 ±0.25  
 2 PLC  
 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

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

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

292304

B

A

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[292304-4](#)