

4 3 2 1

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

0.92 ± 0.08 DIA
 4 PLC
 2.3 ± 0.08 DIA
 2 PLC

2.5
 4.77
 12.04
 4.71
 2.71
 PIN1
 PIN2
 PIN3
 PIN4
 -X-
 -Y-
 -B-
 X.XX

PC BOARD MOUNTING DIMENSIONS ④

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

② PLATING:
 CONTACTS: 0.076μm 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.

③ DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.

④ RECOMMENDED PC BOARD THICKNESS OF 1.57.

⑤ 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.

⑥ 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	NAME RECEPTACLE ASSEMBLY, RIGHT ANGLE, 4 POSITION, THRU-HOLE, TYPE B UNIVERSAL SERIAL BUS, LEAD FREE VERSION
PRODUCT SPEC			
APPLICATION SPEC			SIZE A2
MATERIAL	①	②	CAGE CODE 00779
			DRAWING NO C-292304
			SCALE 5:1
			SHEET 1 OF 1
			REV D4

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