

4

3

2

1

THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION
 © COPYRIGHT 2005 BY TYCO ELECTRONICS CORPORATION. ALL RIGHTS RESERVED.

LOC	DIST	REVISIONS			
P	LTR	DESCRIPTION	DATE	DWN	APVD
GP	00	B	REVISED PER ECO-06-028339	3/JAN/07	ZMREDB

Top view of the connector assembly. Dimensions include overall width 1.541 ± 0.015 , inner width 1.312 ± 0.010 , and a distance of $.994$ between contact centers. Contact positions are numbered 1 through 15. Grounding indents are shown on the left and right sides. A 10° chamfer is indicated on the top edge. Mounting holes are dimensioned as $.494 \pm 0.015$ and $.329$.

1 HOUSING: POLYESTER, UL 94V-0 RATED, COLOR BLACK.
 SHELL: CARBON STEEL.
 CONTACTS: BRASS.
 RETENTION SCREWLOCKS: BRASS.

2 SHELL: .000200 MIN TIN OVER .000100 MIN COPPER.
 RETENTION SCREWLOCKS: .000100 MIN TIN OVER .000050 MIN NICKEL OVER COPPER FLASH.
 CONTACTS: GOLD PLATED FOR A LENGTH OF .150 MIN FROM MATING END, .000030 MIN GOLD IN MATED AREA, .000100 MIN TIN ON SOLDER END, ALL OVER .000050 MIN NICKEL ON ENTIRE CONTACT.
 -OR-
 GOLD FLASH OVER PALLADIUM NICKEL PLATED FOR A LENGTH OF .150 FROM MATING END, .000030 MIN PALLADIUM NICKEL IN MATED AREA, .000100 MIN TIN ON SOLDER END, ALL OVER .000050 MIN NICKEL ON ENTIRE CONTACT.

3 DATUMS AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.

4 .110 MAX IN SHELL TAB CLINCH AREAS.

Side view of the connector assembly. Dimensions include $2X \phi .169$ for the mounting holes, $2X .253 \pm 0.010$ for the shell thickness, and $.125^{+.020}_{-.010}$ for the contact height. Features include the mating face, grounding indents, and 2X 4-40 retention screwlocks. The distance between contact centers is $.108 \pm 0.010$ TYP. The overall width is $.278 \pm 0.015$. The contact diameter is $\phi .026$ POST. The text "TYCO, PART NO & DATE CODE, MARKED ON EITHER SIDE" is present.

Detail view of the screwlock area. Dimensions include $.235 \pm 0.006$ for the shell thickness, $.085^{+.015}_{-.005}$ for the contact height, and $.236 \pm 0.010$ for the contact width. The distance between screwlocks is $.112 \pm 0.010$. The text "SCREWLOCKS OMITTED FOR CLARITY" is present.

PC board mounting dimensions diagram. Dimensions include $2X \phi .121 \pm 0.002$ for the mounting holes, $\phi .004$ for the hole diameter, and $.054$ TYP for the hole offset. Contact positions are labeled POSN 1, POSN 8, POSN 9, and POSN 15. The distance between POSN 1 and POSN 8 is 1.312 . The distance between POSN 9 and POSN 15 is $.112$. The distance between POSN 1 and POSN 9 is $.278$. The distance between POSN 8 and POSN 15 is $.108$ TYP. The distance between POSN 9 and POSN 15 is $.056$. The contact diameter is $15X \phi .041$. The text "PC BOARD MOUNTING DIMENSIONS" and ".062 PC BOARD THICKNESS" is present.

PC BOARD MOUNTING DIMENSIONS
 CONNECTOR SIDE OF BOARD
 .062 PC BOARD THICKNESS

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	29SEPT05	tyco		Tyco Electronics Corporation	
DIMENSIONS: INCHES		B. LATTUCA	29SEPT05	Electronics		Harrisburg, PA 17105-3608	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		CHK	29SEPT05	NAME		PLUG ASSEMBLY, SIZE 2, 15 POS., VERTICAL, .026 DIA. POSTS, FRONT SHELL, W/ RETENTION SCREWLOCKS, AMPLIMITE HD-20	
0 PLC	± -	APVD	29SEPT05	M. WALMSLE		SIZE	RESTRICTED TO
1 PLC	± -	PRODUCT SPEC		108-40025		CAGE CODE	
2 PLC	± -	APPLICATION SPEC		114-40023		DRAWING NO	
3 PLC	± .005	MATERIAL		WEIGHT		SCALE	
4 PLC	± -	FINISH		-		SHEET	
ANGLES	± -	1		2		REV	
CUSTOMER DRAWING		A2		00779		C=5748026	
SCALE		4:1		SHEET		1 of 1	

5748026-1
 PART NUMBER

AMP 1471-9 REV 31MAR2000

5748026

A