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LOC	DIST	REVISIONS			
P	LTR	DESCRIPTION	DATE	DWN	APVD
GP	00	REVISED PER ECO-06-028339	18/DEC/06	ZMR	EDB

10°
 55.47 ± 0.15 [2.184 ± .006]
 8.38 [.330]
 AMP
 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19
 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37
 63.50 [2.500]
 69.39 ± 0.38 [2.732 ± .015]
 2x #4-40 SCREWLOCK

1 HOUSING: BLACK POLYESTER, UL 94V-0 RATED; CONTACTS: BRASS
 SCREWLOCKS: BRASS.
 2 CONTACTS: SEE TABLE
 SCREWLOCKS: $1.27 \mu\text{m}$ [.000050] MIN NICKEL OVER COPPER FLASH.
 3 GOLD PLATED FOR A LENGTH OF 3.81 [.150] MIN FROM MATING END,
 GOLD FLASH IN MATED AREA, $2.54 \mu\text{m}$ [.000100] MIN TIN ON OPPOSITE
 END, ALL OVER $1.27 \mu\text{m}$ [.000050] MIN NICKEL.
 4 GOLD PLATED FOR A LENGTH OF 3.81 [.150] MIN FROM MATING END,
 $0.76 \mu\text{m}$ [.000030] MIN GOLD IN MATED AREA, $2.54 \mu\text{m}$ [.000100] MIN TIN
 ON OPPOSITE END, ALL OVER $1.27 \mu\text{m}$ [.000050] MIN NICKEL
 -OR-
 GOLD FLASH OVER PALLADIUM NICKEL PLATED FOR LENGTH OF 3.81
 [.150] MIN FROM MATING END, $0.76 \mu\text{m}$ [.000030] MIN PALLADIUM NICKEL
 IN MATED AREA, $2.54 \mu\text{m}$ [.000100] MIN TIN ON OPPOSITE END, ALL OVER
 $1.27 \mu\text{m}$ [.000050] MIN NICKEL.

MATING FACE
 $2 \times \phi 4.37$ [.172]
 5.84 ± 0.15 [.230 ± .006] TYP
 TYCO, PART NO AND DATE CODE MARKED IN AREA INDICATED, ON EITHER SIDE
 0.38 MAX [.015]
 1.91 ± 0.25 [.075 ± .010] TYP
 ϕ OF 4-40 HOLE
 6.91 ± 0.38 [.272 ± .015]
 2.77 ± 0.25 TYP [.109 ± .010]

10.41 ± 0.38 [.410 ± .015]
 HOUSING
 12.09 ± 0.38 [.476 ± .015]
 37x CONTACT
 $\phi 0.66$ [.026] TYP
 A $+0.51$
 -0.38
 $+0.020$
 -0.015
 TYP
 2.84 ± 0.25 [.112 ± .010] TYP

63.50 [2.500]
 6.91 [.272]
 2.77 TYP [.109]
 $2 \times \phi 3.05$ [.120]
 1.42 [.056] TYP
 1.384 [.0545]
 $37 \times \phi 1.04$ [.041]
 2.84 [.112] TYP

RECOMMENDED PC BOARD MOUNTING DIMENSIONS

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4.32 [.170]	4	5745074-4
3.18 [.125]	4	5745074-2
3.18 [.125]	3	5745074-1
A	CONTACT FINISH	PART NO

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	13SEP05	tyco Electronics	Tyco Electronics Corporation	
DIMENSIONS: mm [INCHES]		G.PETERS			Harrisburg, PA 17105-3608	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		CHK	13SEP05	NAME		
0 PLC	± -	S.BOLASH		PLUG ASSEMBLY, SIZE 4, 37 POSN, VERTICAL, AMPLIMITE HD-20		
1 PLC	± -	APVD	13SEP05	SIZE		
2 PLC	± 0.13 [.005]	M.WALMSLEY		CAGE CODE		
3 PLC	± -	PRODUCT SPEC		DRAWING NO		
4 PLC	± -	APPLICATION SPEC		RESTRICTED TO		
ANGLES	± 2°	108-40025		SCALE		
FINISH		-		SHEET		
MATERIAL		WEIGHT	-	REV		
		CUSTOMER DRAWING		A		

AMP 1471-9 REV 31MAR2000

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