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LOC	DIST	REVISIONS			
P	LTR	DESCRIPTION	DATE	DWN	APVD
GP	00	B1	REVISED PER ECO-11-004835	11MAR11	RK HMR

Top view dimensions:
 Overall width: 1.213 ± .015
 Contact pitch: .666
 Left mounting hole offset: .494 ± .015
 Right mounting hole offset: .329
 Contact positions: 1, 2, 3, 4, 5 (top row); 6, 7, 8, 9 (bottom row)
 Overall width to center: .984 ± .010

1 HOUSING: FLAME RETARDANT THERMOPLASTIC, 94V-0 RATED, COLOR BLACK.
 SHELL: CARBON STEEL.
 CONTACTS: BRASS.
 INSERT/BOARDLOCKS: BRASS.

2 SHELL: 0.00508[.000200] MIN TIN OVER 0.00254[.000100] MIN COPPER.
 CONTACTS: 0.00076 [0.000030] MIN GOLD ON MATING END,
 0.00254 [0.000100] MIN TIN ON SOLDER END, ALL OVER 0.00127
 [0.000050] MIN NICKEL ON ENTIRE CONTACT.
 -OR-
 GOLD FLASH OVER 0.00076 [0.000030] MIN PALLADIUM NICKEL ON
 MATING END, 0.00254 [0.000100] MIN TIN ON SOLDER END, ALL
 OVER 0.00127 [0.000050] MIN NICKEL ON ENTIRE CONTACT.
 INSERT/BOARDLOCKS: 0.00381[.000150] MIN TIN OVER 0.00254[.000100] MIN
 COPPER.

3 POSITION NUMBERS SHOWN FOR REFERENCE ONLY.
 4 DATUMS AND BASIC DIMENSIONS TO BE ESTABLISHED BY CUSTOMER.
 5. RECOMMENDED SCREWLOCK FOR #4-40 INSERT/BOARDLOCK IS 5747877-3.

TYCO, PART NUMBER & DATE CODE
 MARKED IN AREAS INDICATED,
 ON EITHER SIDE

GROUNDING INDENTS

Side view dimensions:
 Mating face height: .236 ± .010
 Housing height: .235 ± .006
 Contact height: .110 MAX
 Contact length: .135 ± .015
 Contact diameter: $\phi .026$
 Contact pitch: .108 ± .010
 Contact offset: .276 ± .015

Cross-sectional view dimensions:
 Shell thickness: .112 ± .010
 Contact diameter: $\phi .125^{+.020}_{-.010}$
 Contact length: .110 MAX
 Housing thickness: .112 ± .010
 4-40 INSERT/BOARDLOCK

Recommended PC Board Layout Dimensions:
 Overall width: .984
 Contact pitch: .108
 Contact offset: .276
 Contact diameter: $\phi .121 \pm .002$
 Contact diameter: $\phi .004(M) X Y$
 Contact diameter: $\phi .041$
 Contact diameter: $\phi .006(M) A(M) B(M)$
 Contact offset: .054
 Contact offset: .112
 Contact offset: .056
 PC BOARD EDGE
 Datum X: X.XX
 Datum Y: -Y-
 Datum Z: -X-
 Datum 3: 3
 Datum 4: 4

RECOMMENDED PC BOARD LAYOUT
 .062 PC BOARD
 (VIEWED FROM CONNECTOR SIDE)

2-5748003-0
 PART NUMBER

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THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	J.GERACE	23MAR05	 TE Connectivity	NAME		PLUG ASSEMBLY, SIZE 1, 9 POS, VERTICAL, FRONT METAL SHELL, AMPLIMITE HD-20		
DIMENSIONS: INCHES		CHK	S.BOLASH	23MAR05		PRODUCT SPEC		108-40025	SIZE	A2
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD	M.WALMSLEY	23MAR05		APPLICATION SPEC		114-40023	CAGE CODE	00779
0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± 0.13[.005] 4 PLC ± - ANGLES ± -		MATERIAL		FINISH		WEIGHT		-	DRAWING NO	C=5748003
 1		 2		CUSTOMER DRAWING		SCALE		4:1	SHEET	1 of 1
								RESTRICTED TO	REV	B1

1471-9 (3/11)