

4

3

2

1

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LOC
DWDIST
/

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	G1	REVISED. ECR-12-013026	22MAR13	K.M	E.T

PIN 1

DATE CODE

-Z-

-Y-

FOR 40,60,68,80,100,120,
140,160,180,200 POSITIONS ONLY

FOR 50, AND 130
POSITIONS ONLY

PIN 1

H POSITION

C ± 0.25
[± 0.010]

A ± 0.13
[± 0.005]

E

J POSITION

G POSITION

7.65
[.301]

RETENTION LEG
2 PLACES

CONTACT
AS REQUIRED
SEE TABLE

0.50 REF
[.020]

0.30
[.012] M X Z
TYP

0.30
[.012] M X Z
TYP

2 PLACES

1.10 MAX R
TYP

5.15 ± 0.15
[.2027 \pm .0060]

2.70 ± 0.20
[.106 \pm .008] TYP

4.01 ± 0.05
[.1578 \pm .0019] TYP

11.03 ± 0.28
[.434 \pm .011]

E ± 0.30
[.012] TYP

0.32
[.013] REF

0.30
[.012] M X Y
TYP

2.96 ± 0.11
[.116 \pm .004]

0.30
[.012] M X Y
TYP

2 PLACES

10.44
[.411]

H POSITION

J POSITION

G POSITION

1.905
[.075] TYP

HOUSING

TINE PLATE

PIN 1

1.27
[.050] TYP

5.60
[.221]

DIM B

1.90
[.075]

NOTE:

1. MATERIAL:

HOUSING: LIQUID CRYSTAL POLYMER (LCP), UL 94V-0, BLACK COLOR.
CONTACTS: PHOSPHOR BRONZE.
BOARDLOCKS: BRASS.

2. FINISH:

CONTACTS: (SEE TABLE) GOLD PLATED ON CONTACT AREA,
3.81 μ m [150 μ] MIN. MATTE-TIN ON SOLDER TAIL, OVER
1.27mm [50 μ] MIN. NICKEL UNDERPLATED.
BOARDLOCKS: 3.81 μ m [150 μ] MIN. TIN-Cu OVER
1.27mm [50 μ] MIN. UNDERPLATED.G, J, AND H INDICATES NUMBER OF POSITION MARKED ON ASSEMBLY.
ALSO SEE TABLE.CONNECTOR SOLDER TAILS WILL ACCOMMODATE PRINTED CIRCUIT BOARD
THICKNESS OF 0.80 TO 1.60 [.031 TO .063].
BOARDLOCKS NOT PRESENT.6. WAVE SOLDER CAPABLE TO 265°C PER TEST SPEC.
109-202, CONDITION B.GOLD FLASH OVER
0.762 μ m [30 μ] MIN. PALLADIUM-NICKEL PLATED.

OBSOLETE

J POSITION

G POSITION

E ± 0.30
[.012] TYP

0.32
[.013] REF

0.30
[.012] M X Y
TYP

WITHOUT RETENTION LEG

NOTES	E	D	C	B	A	G	J	H	GOLD PLATED	PART NUMBER	POS.
	3.10 [.122]	102.03 [4.017]	111.53 [4.391]	107.73 [4.242]	105.87 [4.168]	80	160	81	GOLD FLASH	5-1734037-6	160
									0.381 μ m [15u"]	3-1734037-6	
										1-1734037-6	
	3.10 [.122]	89.33 [3.517]	98.83 [3.891]	95.03 [3.742]	93.17 [3.668]	70	140	71	GOLD FLASH	5-1734037-4	140
									0.381 μ m [15u"]	3-1734037-4	
										1-1734037-4	
	3.10 [.122]	76.63 [3.017]	86.13 [3.391]	82.33 [3.242]	80.47 [3.168]	60	120	61	GOLD FLASH	2-1734037-0	120
									0.381 μ m [15u"]	1-1734037-8	
										1-1734037-2	
	3.10 [.122]	63.93 [2.517]	73.43 [2.891]	69.63 [2.742]	67.77 [2.668]	50	100	51	GOLD FLASH	5-1734037-1	100
									0.381 μ m [15u"]	3-1734037-1	
										1-1734037-1	
	3.10 [.122]	63.93 [2.517]	73.43 [2.891]	69.63 [2.742]	67.77 [2.668]	50	100	51	GOLD FLASH	5-1734037-0	100
									0.381 μ m [15u"]	3-1734037-0	
										1-1734037-0	
	3.10 [.122]	43.61 [1.717]	53.11 [2.091]	49.31 [1.941]	47.45 [1.868]	34	68	35	GOLD FLASH	4-1734037-7	68
									0.381 μ m [15u"]	2-1734037-7	
										1734037-7	
	3.10 [.122]	-	48.03 [1.891]	44.23 [1.742]	42.37 [1.668]	30	60	31	GOLD FLASH	4-1734037-6	60
									0.381 μ m [15u"]	2-1734037-6	
										1734037-6	
	3.10 [.122]	32.18 [1.267]	41.68 [1.641]	37.88 [1.492]	36.02 [1.418]	25	50	26	GOLD FLASH	4-1734037-5	50
									0.381 μ m [15u"]	2-1734037-5	
										1734037-5	
	3.10 [.122]	25.83 [1.017]	35.33 [1.391]	31.53 [1.242]	29.67 [1.168]	20	40	21	GOLD FLASH	4-1734037-4	40
									0.381 μ m [15u"]	2-1734037-4	
										1734037-4	
	2.40 [.094]	51.23 [2.017]	60.73 [2.391]	56.93 [2.242]	55.07 [2.168]	40	80	41	GOLD FLASH	6-1734037-2	80
									0.381 μ m [15u"]	4-1734037-2	
										1734037-2	
	2.40 [.094]	51.23 [2.017]	60.73 [2.391]	56.93 [2.242]	55.07 [2.168]	40	80	41	GOLD FLASH	4-1734037-2	80
									0.381 μ m [15u"]	2-1734037-2	
										1734037-2	
	3.10 [.122]	51.23 [2.017]	60.73 [2.391]	56.93 [2.242]	55.07 [2.168]	40	80	41	GOLD FLASH	4-1734037-1	80
									0.381 μ m [15u"]	2-1734037-1	
										1734037-1	

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN
F. YANG
31MAR2009CHK
S. CHIEN
31MAR2009APVD
W. KODAMA
31MAR2009

PRODUCT SPEC

108-57876

QUALIFICATION TEST REPORT

-

WEIGHT
-

CUSTOMER DRAWING

NAME

RECEPTACLE ASSEMBLY, R/A,
BTB, CHAMP.050, SERIES I

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A300779

C=1734037

SCALE

SHEET

1 OF 4

REV

G1

DIMENSIONS:
MM

TOLERANCES UNLESS
OTHERWISE SPECIFIED:

0 PLC \pm -

1 PLC ± 0.3

2 PLC ± 0.2

3 PLC \pm -

4 PLC \pm -

ANGLES $\pm 3^\circ$

MATERIAL

SEE NOTE

FINISH

SEE NOTE

AMP 1470-19 REV 31MAR2000