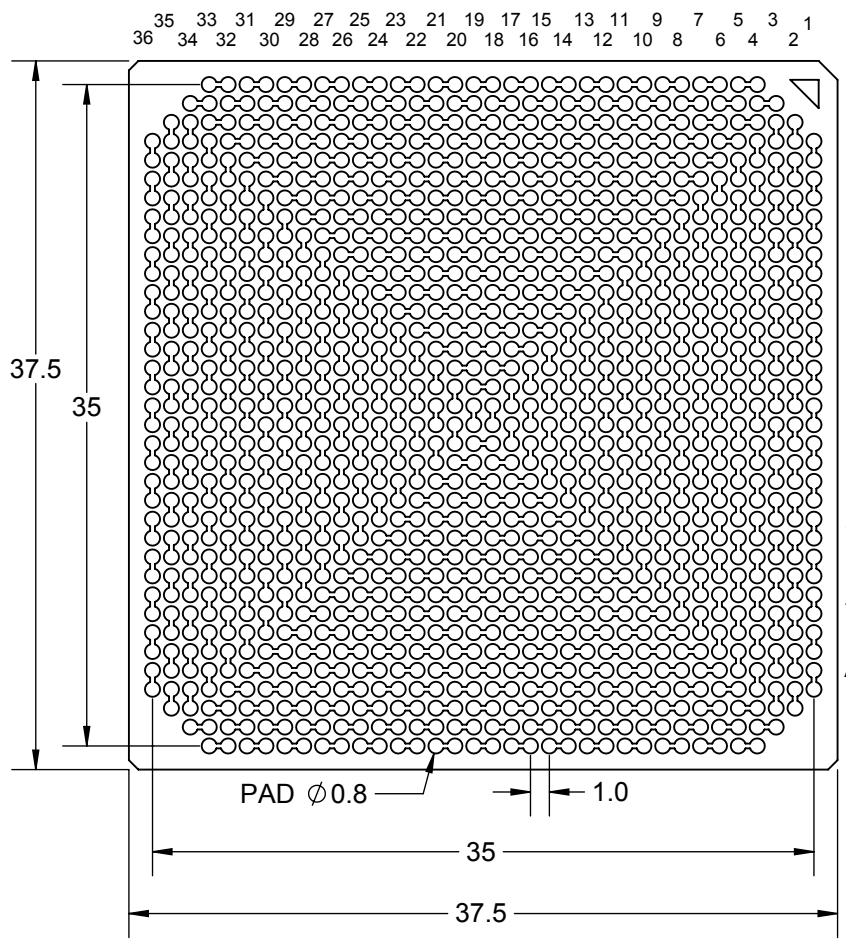
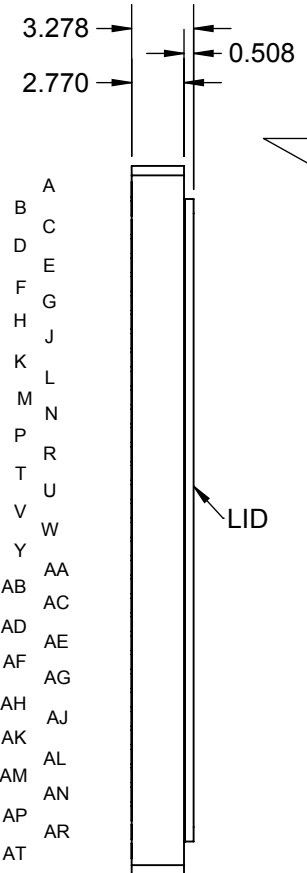


6 CHCA J9K

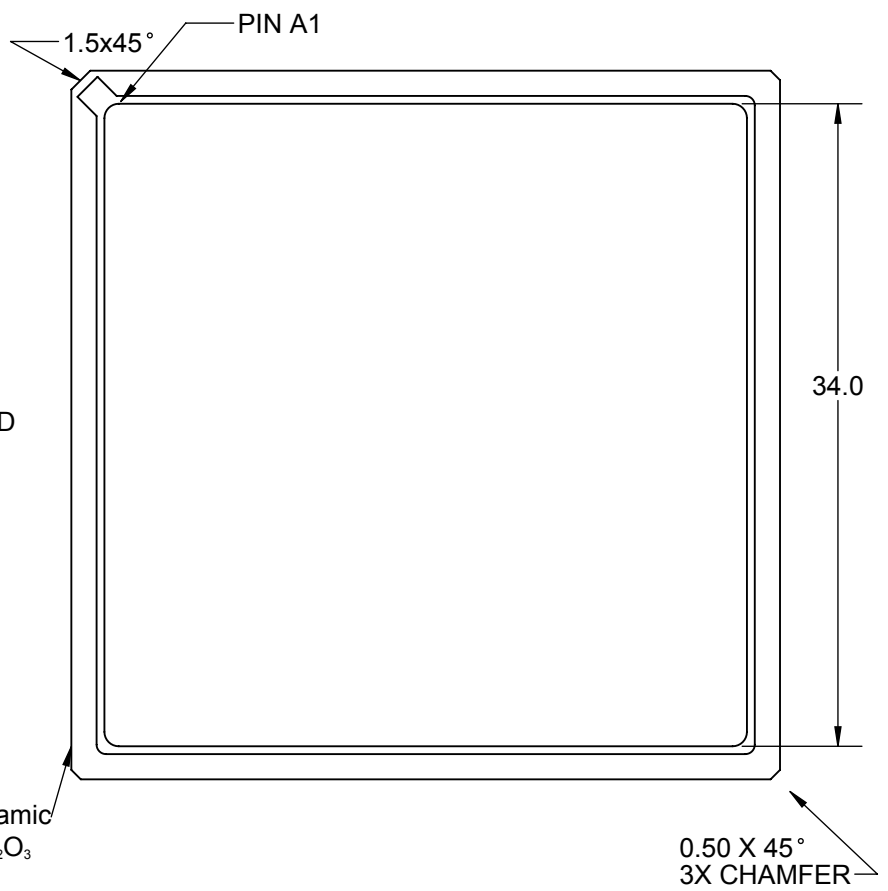


- Notes:
- 1) PLATING TOP
ELECTROLESS Ni 3.20~ 8.89um (125 ~350 micro-inch)
ELECTROLESS Au 2.50um Min (100 micro-inch)
 - 2) PLATING BOTTOM
ELECTROLESS Ni 3.20~ 8.89um (125 ~350 micro-inch)
ELECTROLESS Au 2.50um Max (100 micro-inch)

D5 FH'BI A69F'CDHCBG		
PART NUMBER	DUMMY DIE	SOLDER PIN
CLGA1272T1.0-DC367D	YES	NONE



HCD J9K



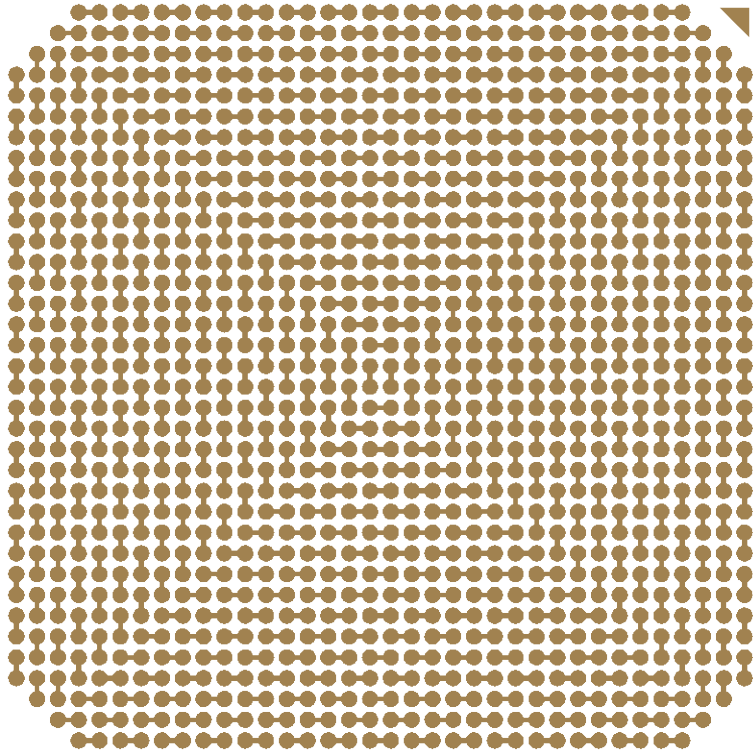
- Notes: (Unless Otherwise Specified).
- 1) DIMENSIONS ARE IN mm.
 - 2) SHOWN WITHOUT COLUMNS
 - 3) SHOWN WITH LID COVER ATTACHED.
 - 4) PART NUMBER CLGA1272T1.0-DC367D

APPROVALS	DATE	TopLine®			
DRAWN T.Au	5/25/2019				
ENG M. Hart	5/25/2019	TITLE CLGA1272T1.0-DC367D DUMMY COLUMN GRID ARRAY			
MFG		SCALE	SIZE	DRAWING NO.	REV
QA		2.5:1	A	160171	A
CUST		DO NOT SCALE DRAWING			SHEET 1 OF 5
REVISED					

85 =GM7 < 5 =B'D5 HH9 FB

7C@ AB'f5 @@LJ=9K

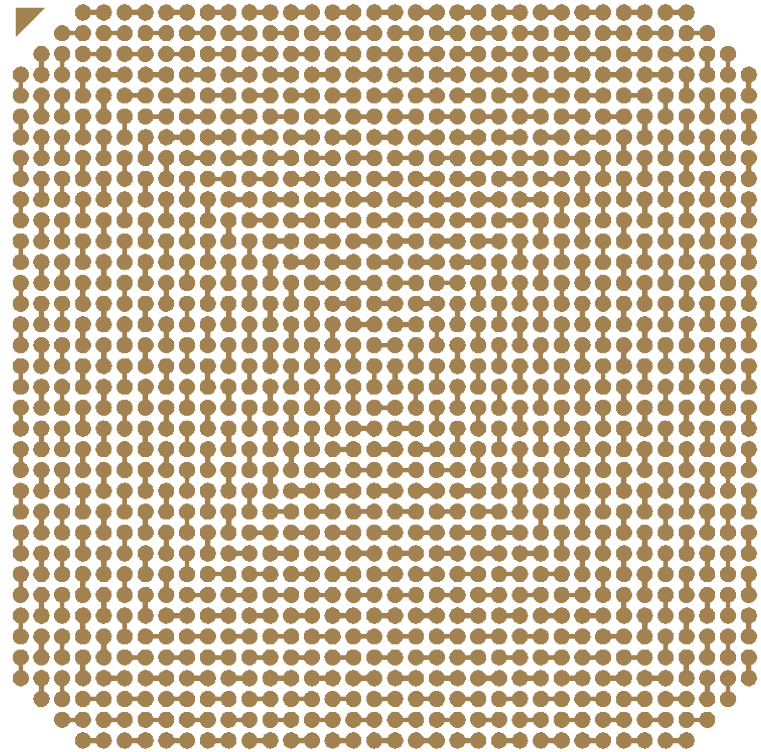
36 34 32 30 28 26 24 22 20 18 16 14 12 10 8 6 4 2
35 33 31 29 27 25 23 21 19 17 15 13 11 9 7 5 3 1



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6CHCA 'L!F5 MJ=9K 98': FCA'HCD

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1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35



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TopLine®

TITLE CLGA1272T1.0-DC367D
DUMMY COLUMN GRID ARRAY

SCALE 2.75:1	SIZE A	DRAWING NO. 160171	REV A
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DO NOT SCALE DRAWING

SHEET 2 OF 5

B9H'@GH'85-GM7<5-B
7CBB97H-CB'H56 @ f/18L

From	To	From	To	From	To	From	To	From	To	From	To
A4	A5	AB16	AB17	AE32	AF32	AJ11	AJ12	AM26	AM27	AT16	AT17
A6	A7	AB18	AB19	AE34	AF34	AJ13	AJ14	AM28	AM29	AT18	AT19
A8	A9	AB20	AB21	AE35	AF35	AJ15	AJ16	AM30	AM31	AT20	AT21
A10	A11	AB23	AC23	AF1	AG1	AJ17	AJ18	AM33	AN33	AT22	AT23
A12	A13	AB25	AC25	AF4	AG4	AJ19	AJ20	AM36	AN36	AT24	AT25
A14	A15	AB27	AC27	AF6	AG6	AJ21	AJ22	AN2	AP2	AT26	AT27
A16	A17	AB29	AC29	AF8	AG8	AJ23	AJ24	AN3	AP3	AT28	AT29
A18	A19	AB31	AC31	AF10	AG10	AJ25	AJ26	AN5	AP6	AT30	AT31
A20	A21	AB33	AC33	AF12	AF13	AJ27	AJ28	AN7	AN8	AT32	AT33
A22	A23	AB36	AC36	AF14	AF15	AJ30	AK30	AN9	AN10	B3	B4
A24	A25	AC2	AD2	AF16	AF17	AJ32	AK32	AN11	AN12	B5	B6
A26	A27	AC3	AD3	AF18	AF19	AJ34	AK34	AN13	AN14	B7	B8
A28	A29	AC5	AD5	AF20	AF21	AJ35	AK35	AN15	AN16	B9	B10
A30	A31	AC7	AD7	AF22	AF23	AK1	AL1	AN17	AN18	B11	B12
A32	A33	AC9	AD9	AF24	AF25	AK4	AL4	AN19	AN20	B13	B14
AA2	AB2	AC11	AD11	AF27	AG27	AK6	AL6	AN21	AN22	B15	B16
AA3	AB3	AC13	AD13	AF29	AG29	AK8	AK9	AN23	AN24	B17	B18
AA5	AB5	AC15	AC16	AF31	AG31	AK10	AK11	AN25	AN26	B19	B20
AA7	AB7	AC17	AC18	AF33	AG33	AK12	AK13	AN27	AN28	B21	B22
AA9	AB9	AC19	AC20	AF36	AG36	AK14	AK15	AN29	AN30	B23	B24
AA11	AB11	AC21	AC22	AG2	AH2	AK16	AK17	AN31	AN32	B25	B26
AA13	AB13	AC24	AD24	AG3	AH3	AK18	AK19	AN34	AP34	B27	B28
AA15	AB15	AC26	AD26	AG5	AH5	AK20	AK21	AN35	AP35	B29	B30
AA17	AA18	AC28	AD28	AG7	AH7	AK22	AK23	AP4	AP5	B31	B32
AA19	AA20	AC30	AD30	AG9	AH9	AK24	AK25	AP6	AP7	B33	B34
AA22	AB22	AC32	AD32	AG11	AG12	AK26	AK27	AP8	AP9	C2	D2
AA24	AB24	AC34	AD34	AG13	AG14	AK28	AK29	AP10	AP11	C3	D3
AA26	AB26	AC35	AD35	AG15	AG16	AK31	AL31	AP12	AP13	C4	C5
AA28	AB28	AD1	AE1	AG17	AG18	AK33	AL33	AP14	AP15	C6	C7
AA30	AB30	AD4	AE4	AG19	AG20	AK36	AL36	AP16	AP17	C8	C9
AA32	AB32	AD6	AE6	AG21	AG22	AL2	AM2	AP18	AP19	C10	C11
AA34	AB34	AD8	AE8	AG23	AG24	AL3	AM3	AP20	AP21	C12	C13
AA35	AB35	AD10	AE10	AG25	AG26	AL5	AM5	AP22	AP23	C14	C15
AB1	AC1	AD12	AE12	AG28	AH28	AL7	AL8	AP24	AP25	C16	C17
AB4	AC4	AD14	AD15	AG30	AH30	AL9	AL10	AP26	AP27	C18	C19
AB6	AC6	AD16	AD17	AG32	AH32	AL11	AL12	AP28	AP29	C20	C21
AB8	AC8	AD18	AD19	AG34	AH34	AL13	AL14	AP30	AP31	C22	C23
AB10	AC10	AD20	AD21	AG35	AH35	AL15	AL16	AP32	AP33	C24	C25
AB12	AC12	AD22	AD23	AH1	AJ1	AL17	AL18	AR3	AR4	C26	C27
AB14	AC14	AD25	AE25	AH4	AJ4	AL19	AL20	AR5	AR6	C28	C29
AA11	AB11	AD27	AE27	AH6	AJ6	AL21	AL22	AR7	AR8	C30	C31
AA13	AB13	AD29	AE29	AH8	AJ8	AL23	AL24	AR9	AR10	C32	C33
AA15	AB15	AD31	AE31	AH10	AH11	AL25	AL26	AR11	AR12	C34	D34
AA17	AA18	AD33	AE33	AH12	AH13	AL27	AL28	AR13	AR14	C35	D35
AA19	AA20	AD36	AE36	AH14	AH15	AL20	AL30	AR15	AR16	D1	E1
AA22	AB22	AE2	AF2	AH16	AH17	AL32	AM32	AR17	AR18	D4	E4
AA24	AB24	AE3	AF3	AH18	AH19	AL34	AM34	AR19	AR20	D5	D6
AA26	AB26	AE5	AF5	AH20	AH21	AL35	AM35	AR21	AR22	D7	D8
AA28	AB28	AE7	AF7	AH22	AH23	AM1	AN1	AR23	AR24	D9	D10
AA30	AB30	AE9	AF9	AH24	AH25	AM4	AN4	AR25	AR26	D11	D12
AA32	AB32	AE11	AF11	AH26	AH27	AM6	AM7	AR27	AR28	D13	D14
AA34	AB34	AE13	AE14	AH29	AJ29	AM8	AM9	AR29	AR30	D15	D16
AA35	AB35	AE15	AE16	AH31	AJ31	AM10	AM11	AR31	AR32	D17	D18
AB1	AC1	AE17	AE18	AH33	AJ33	AM12	AM13	AR33	AR34	D19	D20
AB4	AC4	AE19	AE20	AH36	AJ36	AM14	AM15	AT4	AT5	D21	D22
AB6	AC6	AE21	AE22	AJ2	AK2	AM16	AM17	AT6	AT7	D23	D24
AB8	AC8	AE23	AE24	AJ3	AK3	AM18	AM19	AT8	AT9	D25	D26
AB10	AC10	AE26	AF26	AJ5	AK5	AM20	AM21	AT10	AT11	D27	D28
AB12	AC12	AE28	AF28	AJ7	AK7	AM22	AM23	AT12	AT13	D29	D30
AB14	AC14	AE30	AF30	AJ9	AJ10	AM24	AM25	AT14	AT15	D31	D32

B9H'@GH'7CBHBI 98'B9LH'D5; 9

TopLine®			
TITLE CLGA1272T1.0-DC367D DUMMY COLUMN GRID ARRAY			
SCALE NONE	SIZE A	DRAWING NO. 160171	REV A
DO NOT SCALE DRAWING			SHEET 3 OF 5

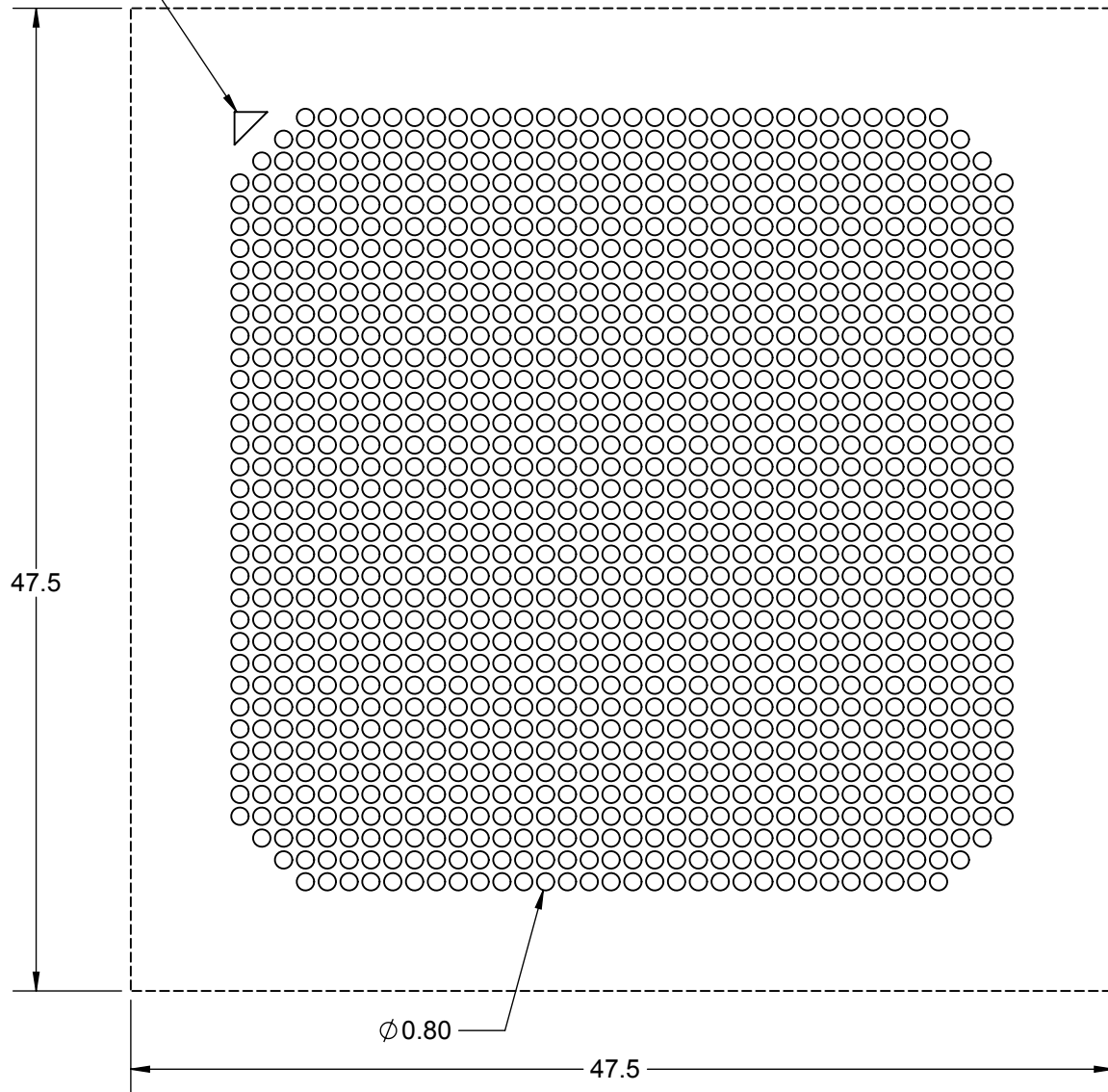
B9H' @GH'85 -GM7 < 5 -B
 7 CBB97 HCB H56 @ FB&L

From	To	From	To	From	To	From	To	From	To
D33	E33	G3	H3	L14	L15	P23	R23	U32	V32
D36	E36	G5	H5	L16	L17	P25	R25	U34	V34
E2	F2	G7	H7	L18	L19	P27	R27	U35	V35
E3	F3	G8	G9	L20	L21	P29	R29	V1	W1
E5	F5	G10	G11	L22	L23	P31	R31	V4	W4
E6	E7	G12	G13	L24	L25	P33	R33	V6	W6
E8	E9	G14	G15	L26	M26	P36	R36	V8	W8
E10	E11	G16	G17	L28	M28	R2	T2	V10	W10
E12	E13	G18	G19	L30	M30	R3	T3	V12	W12
E14	E15	G20	G21	L32	M32	R5	T5	V14	W14
E16	E17	G22	G23	L34	M34	R7	T7	V16	W16
E18	E19	G24	G25	L35	M35	R9	T9	V18	W18
E20	E21	G26	G27	M1	N1	R11	T11	V19	W19
E22	E23	G28	G29	M4	N4	R13	T13	V21	W21
E24	E25	G30	H30	M6	N6	R15	T15	V23	W23
E26	E27	G32	H32	M8	N8	R16	R17	V25	W25
E28	E29	G34	H34	M10	N10	R18	R19	V27	W27
E30	E31	G35	H35	M12	N12	R20	R21	V29	W29
E32	F32	H1	J1	M13	M14	R22	T22	V31	W31
E34	F34	H4	J4	M15	M16	R24	T24	V33	W33
H6	J6	J9	K9	M17	M18	R26	T26	V36	W36
H8	J8	J10	J11	M19	M20	R28	T28	W2	Y2
H9	H10	J12	J13	M21	M22	R30	T30	W3	Y3
H11	H12	J14	J15	M23	M24	R32	T32	W5	Y5
H13	H14	J16	J17	M25	N25	R34	T34	W7	Y7
H15	H16	J18	J19	M27	N27	R35	T35	W9	Y9
H17	H18	J20	J21	M29	N29	T1	U1	W11	Y11
H19	H20	J22	J23	M31	N31	T4	U4	W13	Y13
H21	H22	J24	J25	M33	N33	T6	U6	W15	Y15
H23	H24	J26	J27	M36	N36	T8	U8	W17	Y17
H25	H26	J28	K28	N2	P2	T10	U10	W20	Y20
H27	H28	J30	K30	N3	P3	T12	U12	W22	Y22
H29	J29	J32	K32	N5	P5	T14	U14	W24	Y24
H31	J31	J34	K34	N7	P7	T16	U16	W26	Y26
H33	J33	J35	K35	N9	P9	T17	T18	W28	Y28
H36	J36	K1	L1	N11	P11	T19	T20	W30	Y30
J2	K2	K4	L4	N13	P13	T21	U21	W32	Y32
J3	K3	K6	L6	N14	N15	T23	U23	W34	Y34
J5	K5	K8	L8	N16	N17	T25	U25	W35	Y35
J7	K7	K10	L10	N18	N19	T27	U27	Y1	AA1
E35	F35	K11	K12	N20	N21	T29	U29	Y4	AA4
F1	G1	K13	K14	N22	N23	T31	U31	Y6	AA6
F4	G4	K15	K16	N24	P24	T33	U33	Y8	AA8
F6	G6	K17	K18	N26	P26	T36	U36	Y10	AA10
F7	F8	K19	K20	N28	P28	U2	V2	Y12	AA12
F9	F10	K21	K22	N30	P30	U3	V30	Y14	AA14
F11	F12	K23	K24	N32	P32	U5	V5	Y16	AA16
F13	F14	K25	K26	N34	P34	U7	V7	Y18	Y19
F15	F16	K27	L27	N35	P35	U9	V9	Y21	AA21
F17	F18	K29	L29	P1	R1	U11	V11	Y23	AA23
F19	F20	K31	L31	P4	R4	U13	V13	Y25	AA25
F21	F22	K33	L33	P6	R6	U15	V15	Y27	AA27
F23	F24	K36	L36	P8	R8	U17	V17	Y29	AA29
F25	F26	L2	M2	P10	R10	U18	U19	Y31	AA31
F27	F28	L3	M3	P12	R12	U20	V20	Y33	AA33
F29	F30	L5	M5	P14	R14	U22	V22	Y36	AA36
F31	G31	L7	M7	P15	P16	U24	V24		
F33	G33	L9	M9	P17	P18	U26	V26		
F36	G36	L11	M11	P19	P20	U28	V28	S/R	NC
G2	H2	L12	L13	P21	P22	U30	V30	D/A	NC

TopLine®			
TITLE CLGA1272T1.0-DC367D DUMMY COLUMN GRID ARRAY			
SCALE NONE	SIZE A	DRAWING NO. 160171	REV A
DO NOT SCALE DRAWING			SHEET 4 OF 5

PIN A1

1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35
 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36



D76 @ B8 '5 FF5 M
 SHOWN WITHOUT DAISY CHAIN

SOLDER PASTE STENCIL	
Thickness	190~203µm 7.5~8.0 mil
Aperture	1:1

SOLDER PASTE VOLUME	
Nominal	0.06mm ³ 4000 mils ³
Maximum	0.078mm ³ 5000 mils ³
Minimum	0.031mm ³ 2000 mils ³

SOLDER PASTE	
Sn63/Pb37 90% solder by weight 50% solids by volume Type T3 Particle Size Flux ROL0 No Clean Paste (optional)	

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CLEARANCE 5.0 MIN
 ADJACENT COMPONENTS

NOTES:

1. DIMENSIONS IN mm UNLESS OTHERWISE SPECIFIED.
2. SOLDERABLE SURFACE $\phi 0.67$ IS THE FUNCTIONAL SURFACE OF Cu PAD.
3. $\phi 0.70$ IS THE DESIGN DIMENSION OF Cu PAD.
4. PCB BOARD DIMENSIONS ARE PRESENTED ONLY AS A GUIDELINE.
 DESIGNERS SHOULD USE THEIR OWN EXPERIENCE WHEN DESIGNING PCB.

TopLine®			
TITLE CLGA1272T1,0-DC367D DUMMY COLUMN GRID ARRAY			
SCALE	SIZE	DRAWING NO.	REV
3:1	A	160171	A
DO NOT SCALE DRAWING			SHEET 5 OF 5