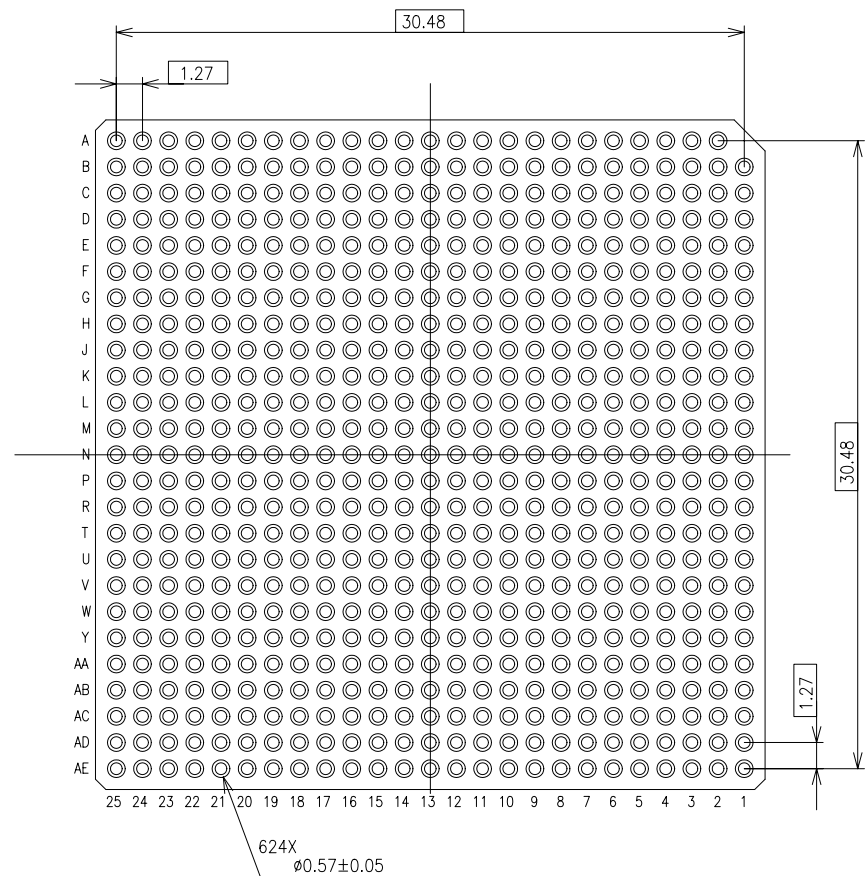
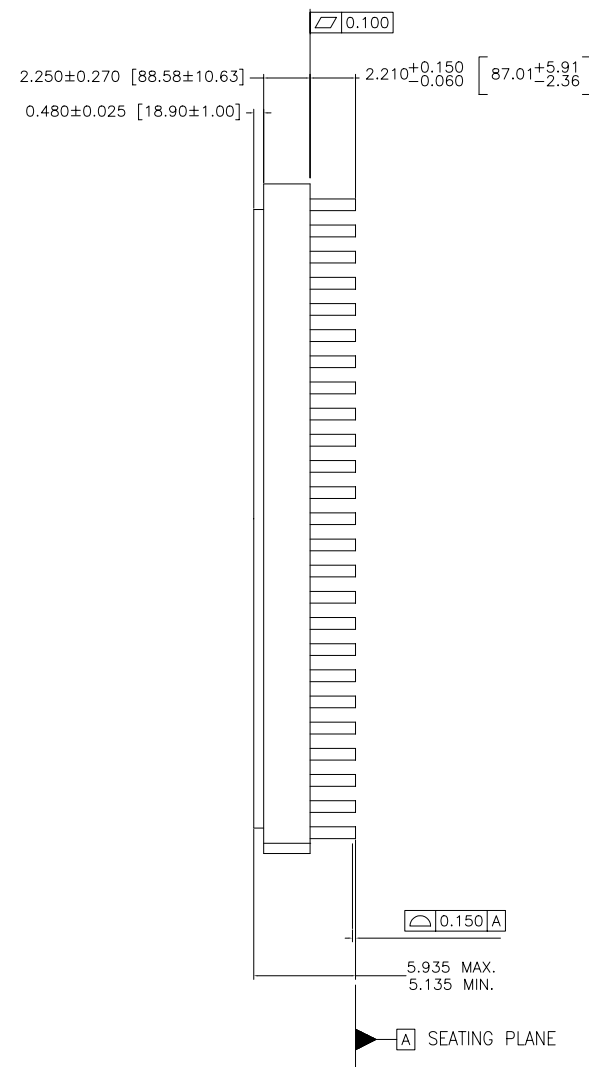
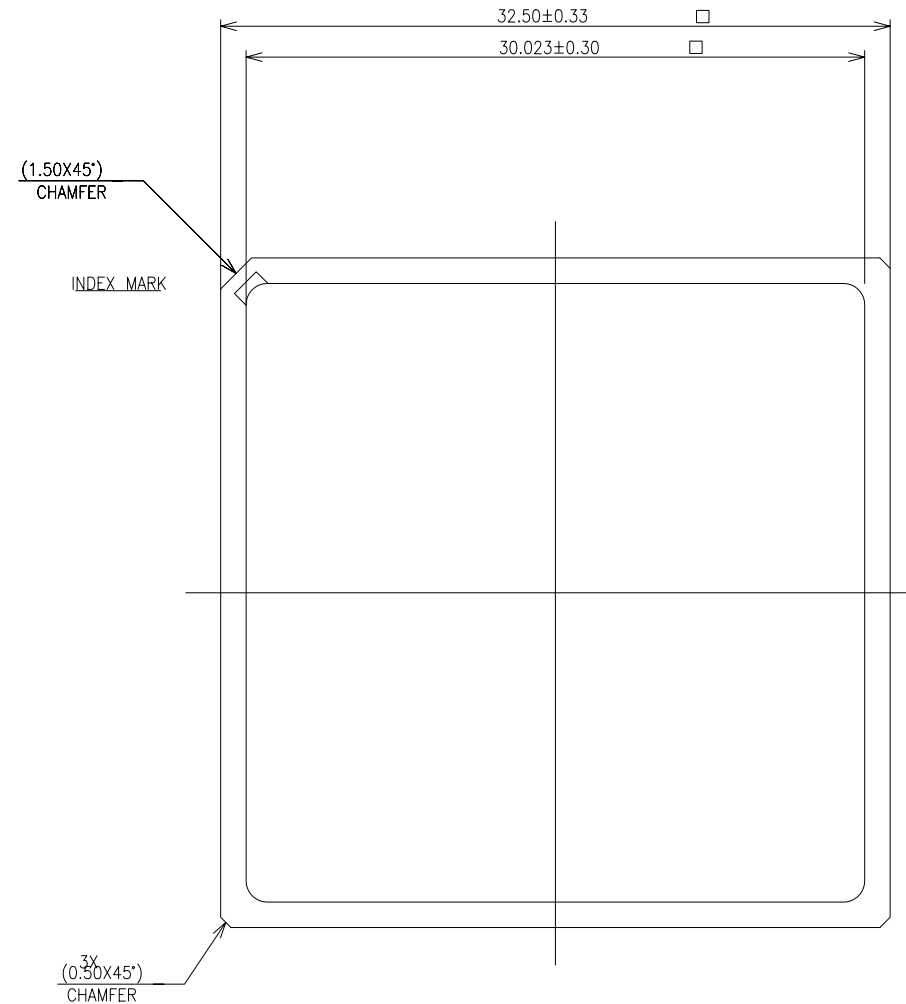


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ECN NO.	REV.	DESCRIPTION OF CHANGE	EFFECTIVE DATE	ORIGINATOR
2003284	0	New Release	6/10/2003	Lijie Zhao
2003327	1	Added Notes	7/10/2003	Lijie Zhao
2005044	2	Obsolete IBM package and tool up new daisy chain pkg. from Kyocera	1/26/2005	Erwin Q.
2005056	3	Added CG624 after column attached outline drawing (page 1) with Actel P/N: CG624 Daisy Chain-1	2/14/2005	Lijie Zhao
2005282	4	Added Part Number Summary	05/25/2005	Lijie Zhao
2005522	5	Edit part number summary and add column dimension tolerance	08/12/2005	Lijie Zhao



Part Number summary

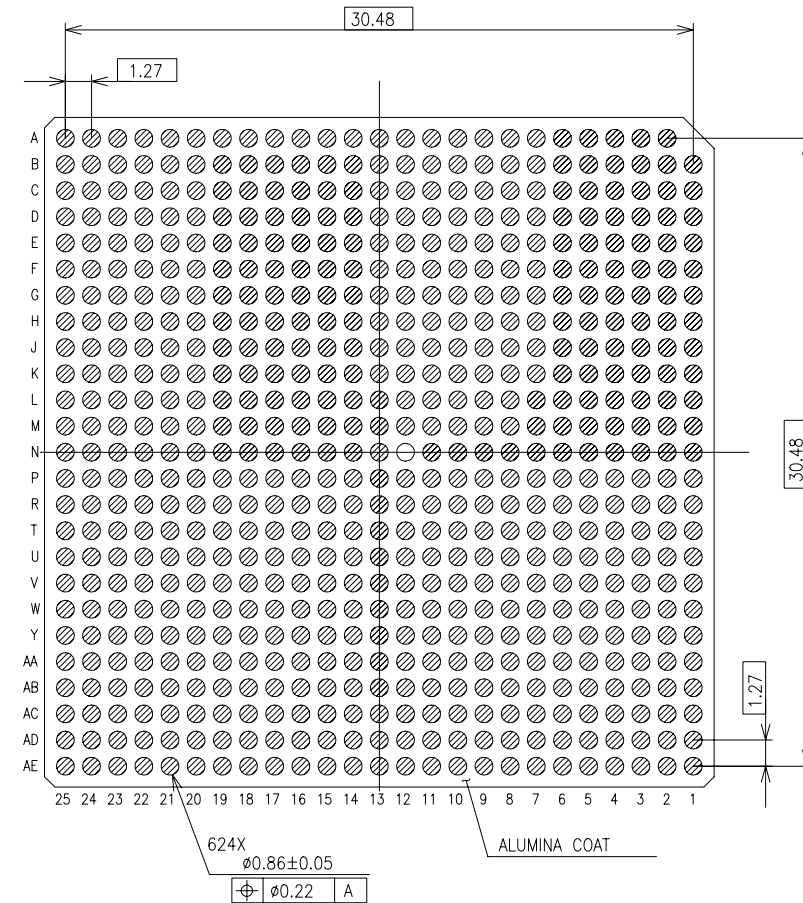
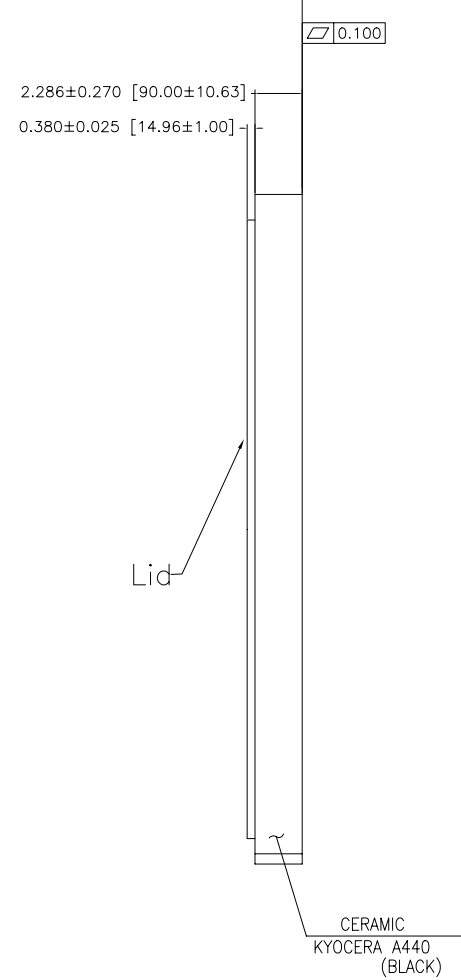
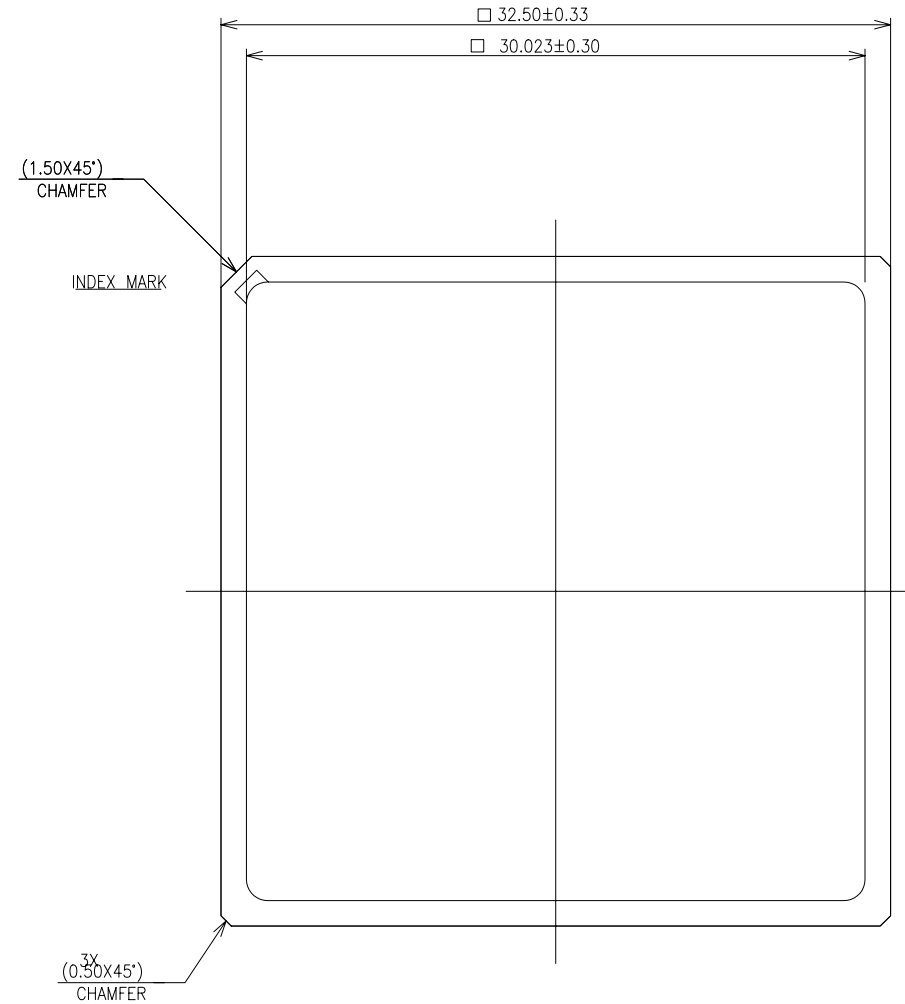
Actel Part Number	Kyocera Part number	Description
YPKG-62CG-7973DC	KD-NA5111	Blank LG624 (Refer page 3 to 8 for details)
LG624 Daisy Chain-1		Assembled LG624
CG624 Daisy Chain-1		Assembled CG624

Note: Solder Column Material , 10/90 Sn/Pb

GENERAL TOLERANCE X.XX ± 0.20 Unless Otherwise Specified	PROJECTION 		Actel ACTEL CORPORATION 2061 STIERLIN COURT MOUNTAIN VIEW, CA 94043-4655 TITLE CG624 32.5x32.5mm, 1.27mm pitch Daisy Chain Package Drawing		
	APPROVALS	DATE			
DIMENSIONS: Millimeters (mm)	DRAWN Erwin Quiobo	1/26/2005	VENDOR NAME: Kyocera	ACTEL DWG. NUMBER 1-21-11031	REV 5
	ENG'R		SIZE B	Actel Package Part Number Refer Part Number Summary	VENDOR DWG. NUMBER KD-NA5111
	RELEASED				SCALE: NONE SHEET 1 OF 8

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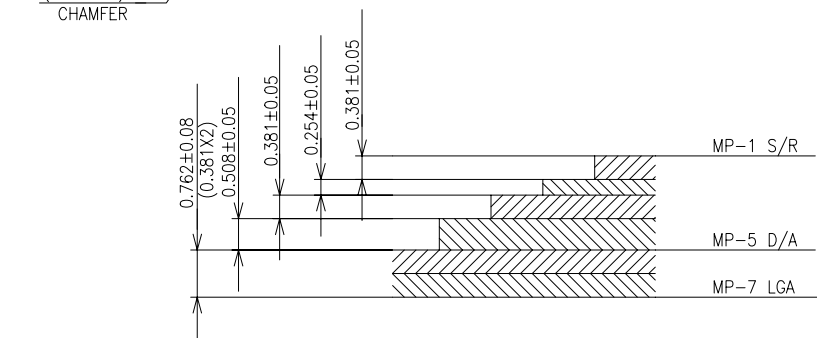
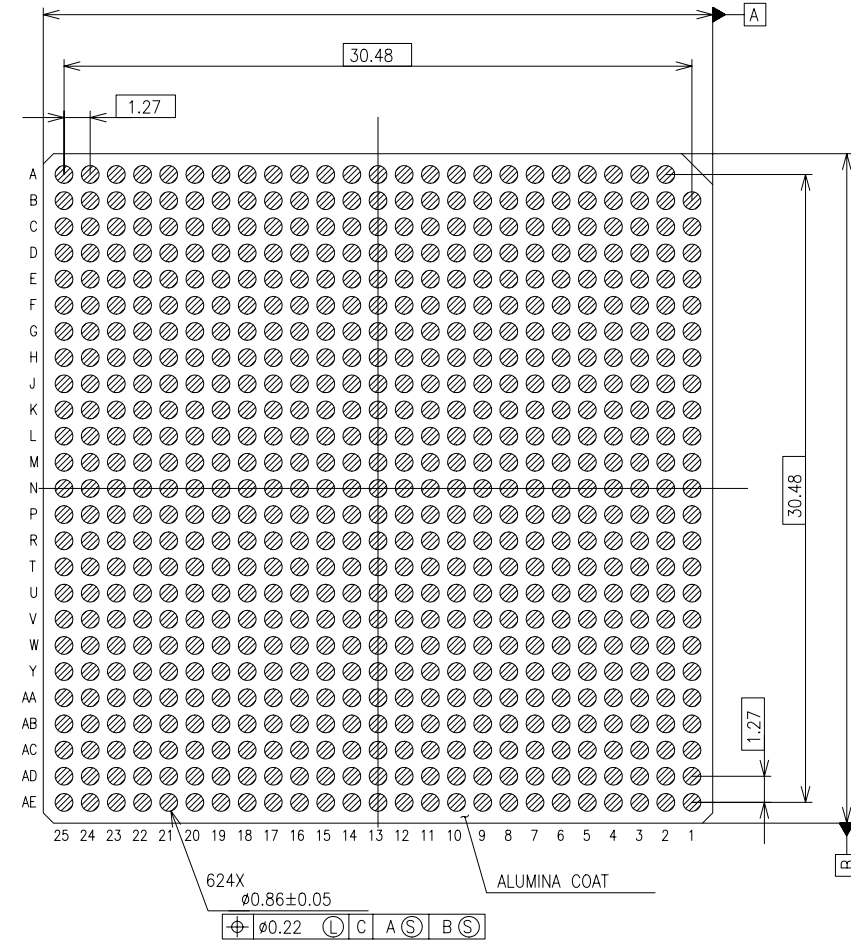
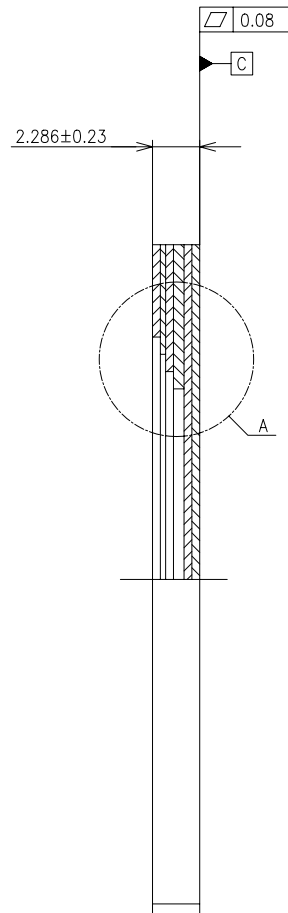
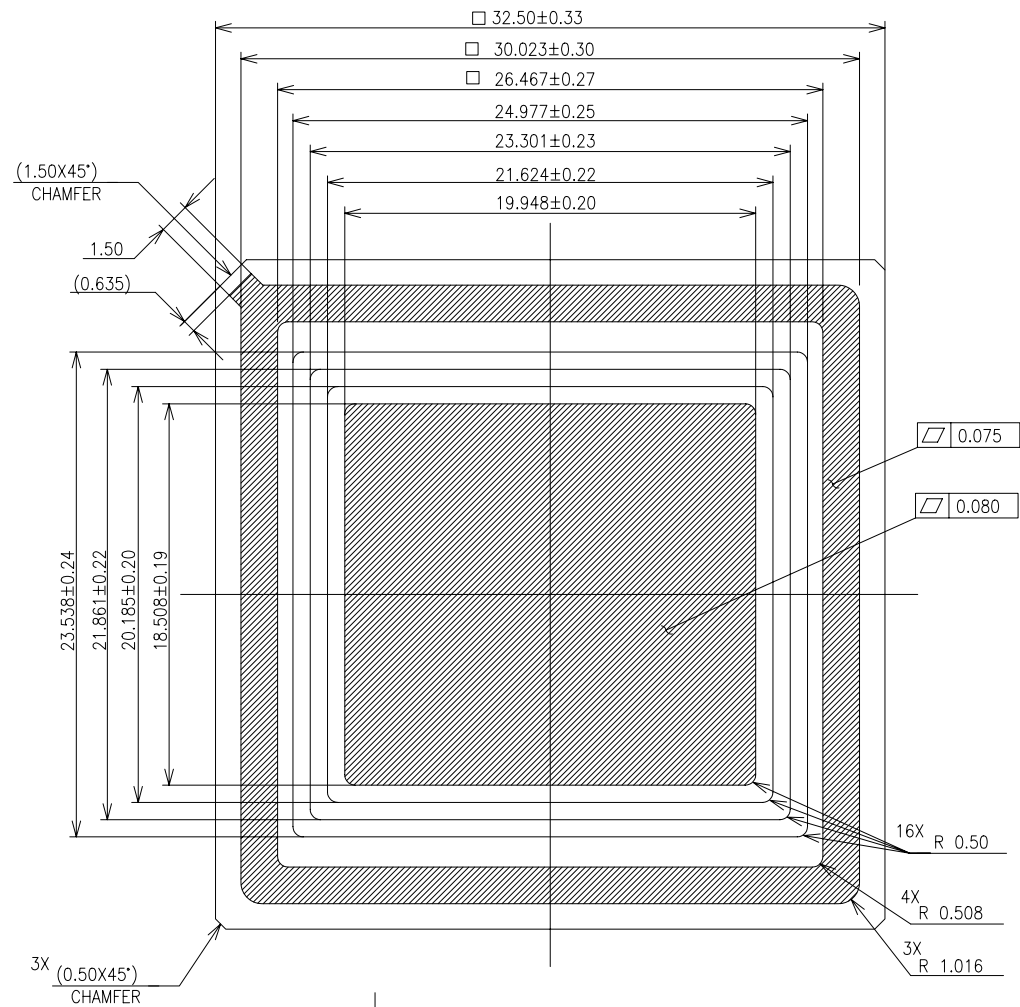
ECN NO.	REV.	DESCRIPTION OF CHANGE	EFFECTIVE DATE	ORIGINATOR
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2005522	5	Edit part number summary and add column dimension tolerance	08/12/2005	Lijie Zhao



LG624 outline drawing

GENERAL TOLERANCE X.XX ± 0.20 Unless Otherwise Specified	PROJECTION 		ACTEL CORPORATION 2061 STIERLIN COURT MOUNTAIN VIEW, CA 94043-4655 TITLE CG624 32.5x32.5mm, 1.27mm pitch Daisy Chain Package Drawing			
	APPROVALS DRAWN Erwin Quiobo	DATE 1/26/2005				
DIMENSIONS: Millimeters (mm)	CHECKED		VENDOR NAME: Kyocera	ACTEL DWG. NUMBER 1-21-11031	REV 5	
	ENG'R		SIZE B	Actel Package Part Number Refer Part Number Summary	VENDOR DWG. NUMBER KD-NA5111	REV 0
	RELEASED				SCALE: NONE	SHEET 2 OF 8

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- NOTES:
1. PLATING:
 TOP : ELECTROLESS Ni 3.20~8.89 MICRON.
 TOP : ELECTROLESS Au 2.50 MICRON MIN.
 BOTTOM : ELECTROLESS Ni 3.20~8.89 MICRON.
 BOTTOM : ELECTROLESS Au 0.03~0.10 MICRON.
 2. SEAL AREA TO BE METALLIZED.
 3. DIE ATTACH AREA TO BE METALLIZED.
 4. SEAL AREA AND DIE ATTACH AREA TO BE FLOATING FROM ANY PADS.

GENERAL TOLERANCE X.XX ± 0.20	PROJECTION 		ACTEL CORPORATION 2061 STIERLIN COURT MOUNTAIN VIEW, CA 94043-4655 TITLE CG624 32.5x32.5mm, 1.27mm pitch Daisy Chain Package Drawing		
	Unless Otherwise Specified				
DIMENSIONS: Millimeters (mm)	CHECKED		VENDOR NAME: Kyocera	ACTEL DWG. NUMBER 1-21-11031	REV 5
	ENG'R		SIZE B	Actel Package Part Number Refer Part Nubmer Summary	VENDOR DWG. NUMBER KD-NA5111
	RELEASED				SCALE: NONE SHEET 3 OF 8

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CONNECTION TABLE

LGA No.	LGA No.	LGA No.	LGA No.	LGA No.	LGA No.	LGA No.	LGA No.	LGA No.	LGA No.	LGA No.	LGA No.	LGA No.	LGA No.	LGA No.	LGA No.
A2	A3	AC6	AC7	B8	B9	E12	E13	H14	H15	L18	L19	P20	P21	U24	U25
A4	A5	AC8	AC9	B10	B11	E14	E15	H16	H17	L20	L21	P22	P23	V1	W1
A6	A7	AC10	AC11	B12	B13	E16	E17	H18	H19	L22	L23	P24	P25	V2	V3
A8	A9	AC12	AC13	B14	B15	E18	E19	H20	H21	L24	L25	R2	R3	V4	V5
A10	A11	AC14	AC15	B16	B17	E20	E21	H22	H23	M1	N1	R4	R5	V6	V7
A12	A13	AC16	AC17	B18	B19	E22	E23	H24	H25	M2	M3	R6	R7	V8	V9
A15	A14	AC18	AC19	B20	B21	E24	E25	J2	J3	M4	M5	R8	R9	V10	V11
A17	A16	AC20	AC21	B22	B23	F1	G1	J4	J5	M6	M7	R10	R11	V12	V13
A19	A18	AC23	AC22	B24	B25	F2	F3	J6	J7	M8	M9	R12	R13	V14	V15
A20	A21	AC24	AC25	C2	C3	F4	F5	J8	J9	M10	M11	R14	R15	V16	V17
A22	A23	AD1	AE1	C4	C5	F6	F7	J10	J11	M12	M13	R16	R17	V18	V19
A24	A25	AD2	AD3	C6	C7	F8	F9	J12	J13	M14	M15	R18	R19	V20	V21
AA2	AA3	AD4	AD5	C8	C9	F10	F11	J14	J15	M16	M17	R20	R21	V22	V23
AA4	AA5	AD6	AD7	C10	C11	F12	F13	J16	J17	M18	M19	R22	R23	V24	V25
AA6	AA7	AD8	AD9	C12	C13	F14	F15	J18	J19	M20	M21	R24	R25	W2	W3
AA8	AA9	AD10	AD11	C14	C15	F16	F17	J20	J21	M22	M23	T1	U1	W4	W5
AA10	AA11	AD13	AD12	C16	C17	F18	F19	J22	J23	M24	M25	T2	T3	W6	W7
AA12	AA13	AD14	AD15	C18	C19	F20	F21	J24	J25	N2	N3	T4	T5	W8	W9
AA14	AA15	AD16	AD17	C20	C21	F22	F23	K1	L1	N4	N5	T6	T7	W10	W11
AA16	AA17	AD18	AD19	C22	C23	F24	F25	K2	K3	N6	N7	T8	T9	W12	W13
AA18	AA19	AD20	AD21	C24	C25	G2	G3	K4	K5	N8	N9	T10	T11	W14	W15
AA20	AA21	AD22	AD23	D1	E1	G4	G5	K6	K7	N10	N11	T12	T13	W16	W17
AA22	AA23	AD24	AD25	D2	D3	G6	G7	K8	K9	N12	N13	T14	T15	W18	W19
AA24	AA25	AE2	AE3	D4	D5	G8	G9	K10	K11	N14	N15	T16	T17	W20	W21
AB1	AC1	AE4	AE5	D6	D7	G10	G11	K12	K13	N16	N17	T18	T19	W22	W23
AB2	AB3	AE6	AE7	D8	D9	G12	G13	K14	K15	N18	N19	T20	T21	W24	W25
AB4	AB5	AE8	AE9	D10	D11	G14	G15	K16	K17	N20	N21	T22	T23	Y1	AA1
AB6	AB7	AE10	AE11	D12	D13	G16	G17	K18	K19	N22	N23	T24	T25	Y2	Y3
AB8	AB9	AE12	AE13	D14	D15	G18	G19	K20	K21	N24	N25	U2	U3	Y4	Y5
AB10	AB11	AE14	AE15	D16	D17	G20	G21	K22	K23	P1	R1	U4	U5	Y6	Y7
AB12	AB13	AE16	AE17	D18	D19	G22	G23	K24	K25	P2	P3	U6	U7	Y8	Y9
AB14	AB15	AE18	AE19	D20	D21	G24	G25	L2	L3	P4	P5	U8	U9	Y10	Y11
AB16	AB17	AE20	AE21	D22	D23	H1	J1	L4	L5	P6	P7	U10	U11	Y12	Y13
AB18	AB19	AE22	AE23	D24	D25	H2	H3	L6	L7	P8	P9	U12	U13	Y14	Y15
AB20	AB21	AE24	AE25	E2	E3	H4	H5	L8	L9	P10	P11	U14	U15	Y16	Y17
AB23	AB22	B1	C1	E4	E5	H6	H7	L10	L11	P12	P13	U16	U17	Y18	Y19
AB24	AB25	B2	B3	E6	E7	H8	H9	L12	L13	P14	P15	U18	U19	Y20	Y21
AC2	AC3	B4	B5	E8	E9	H10	H11	L14	L15	P16	P17	U20	U21	Y22	Y23
AC4	AC5	B6	B7	E10	E11	H12	H13	L16	L17	P18	P19	U22	U23	Y24	Y25

S/R	NC
D/A	NC

SIZE B	ACTEL DWG. NUMBER 1-21-11031	REV 5
	VENDOR DWG. NUMBER KD-NA5111	REV 0
SCALE: NONE		SHEET 4 OF 8

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E

E

D

D

C

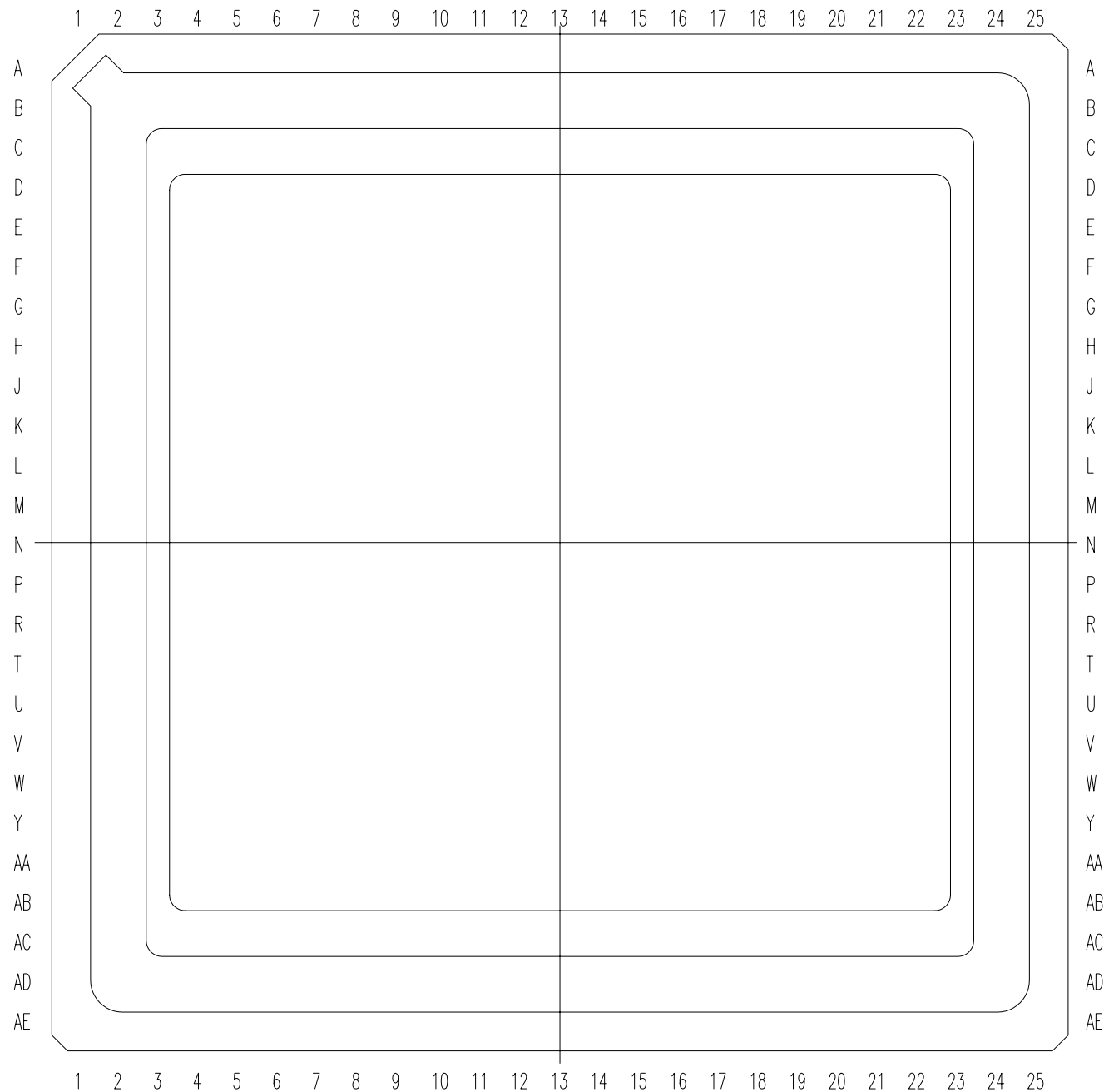
C

B

B

A

A



MP-1
S/R

SIZE B	ACTEL DWG. NUMBER 1-21-11031	REV 5
	VENDOR DWG. NUMBER KD-NA5111	REV 0
SCALE: NONE		SHEET 5 OF 8

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E

E

D

D

C

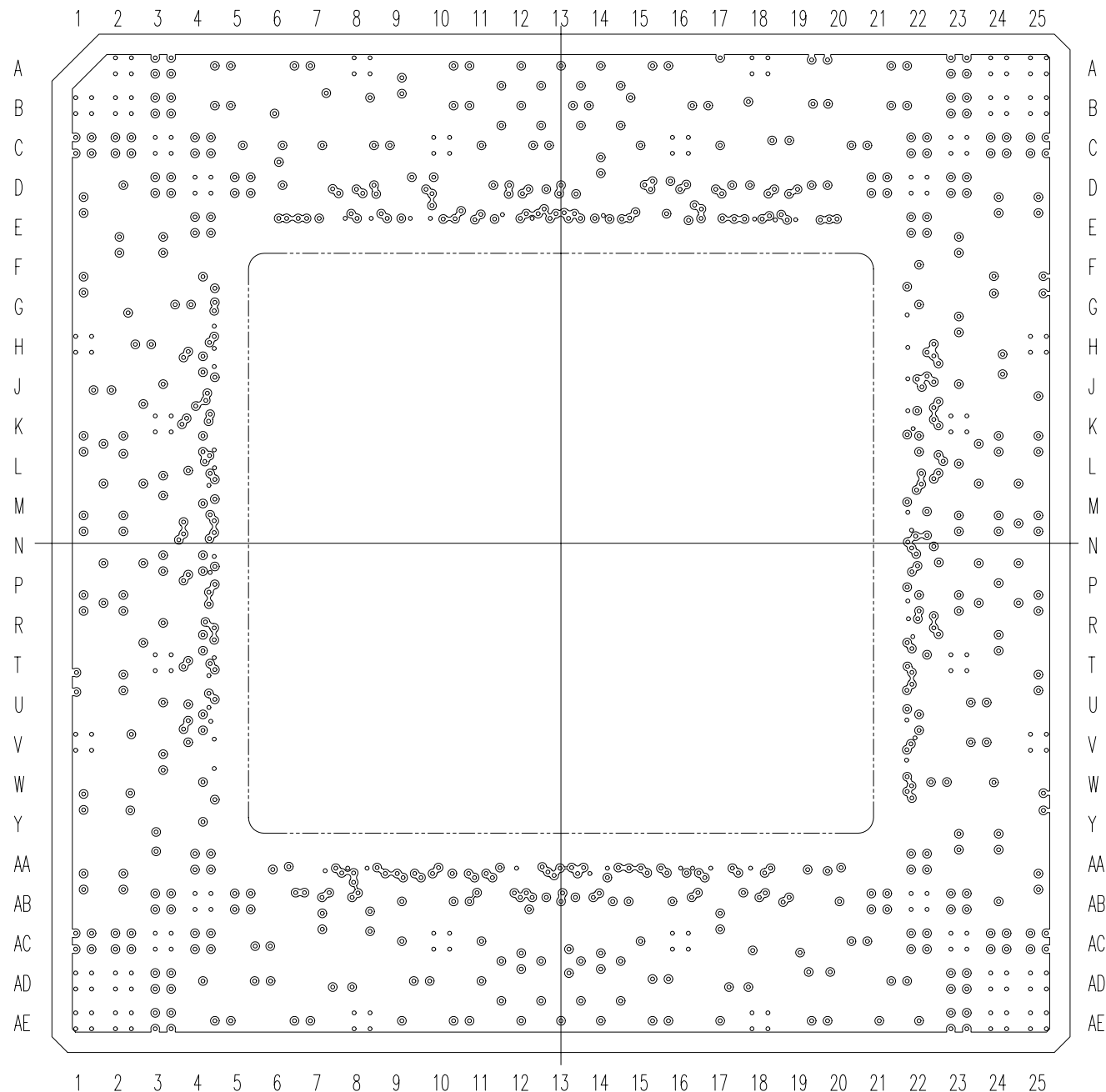
C

B

B

A

A



MP-5
GND

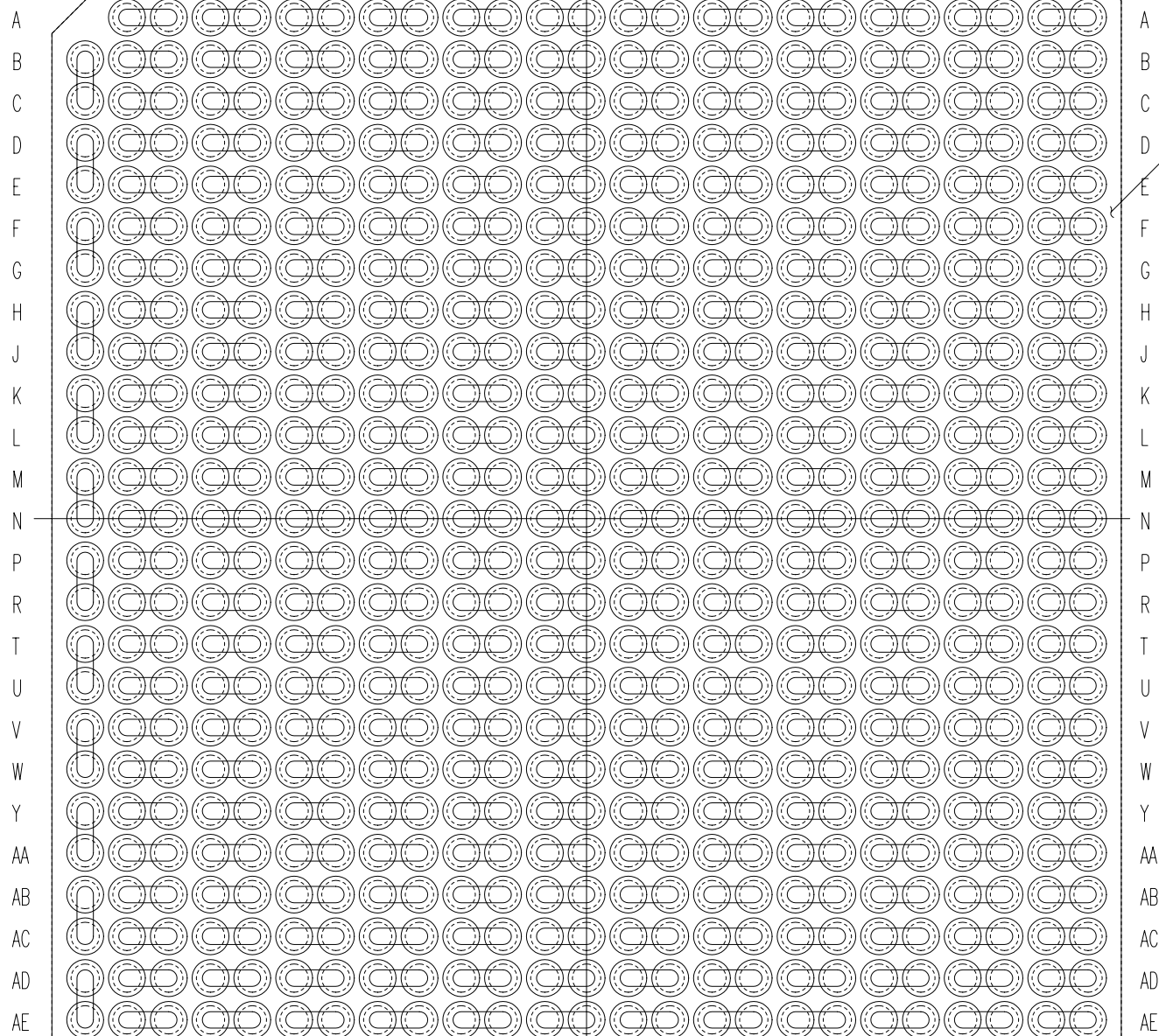
SIZE B	ACTEL DWG. NUMBER 1-21-11031	REV 5
	VENDOR DWG. NUMBER KD-NA5111	REV 0
SCALE: NONE		SHEET 6 OF 8

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E

E

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



ALUMINA COAT

MP-7
 LGA
 (TOP VIEW)

D

D

C

C

B

B

A

A

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

SIZE B	ACTEL DWG. NUMBER 1-21-11031	REV 5
	VENDOR DWG. NUMBER KD-NA5111	REV 0
SCALE: NONE		SHEET 7 OF 8

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E

E

D

D

C

C

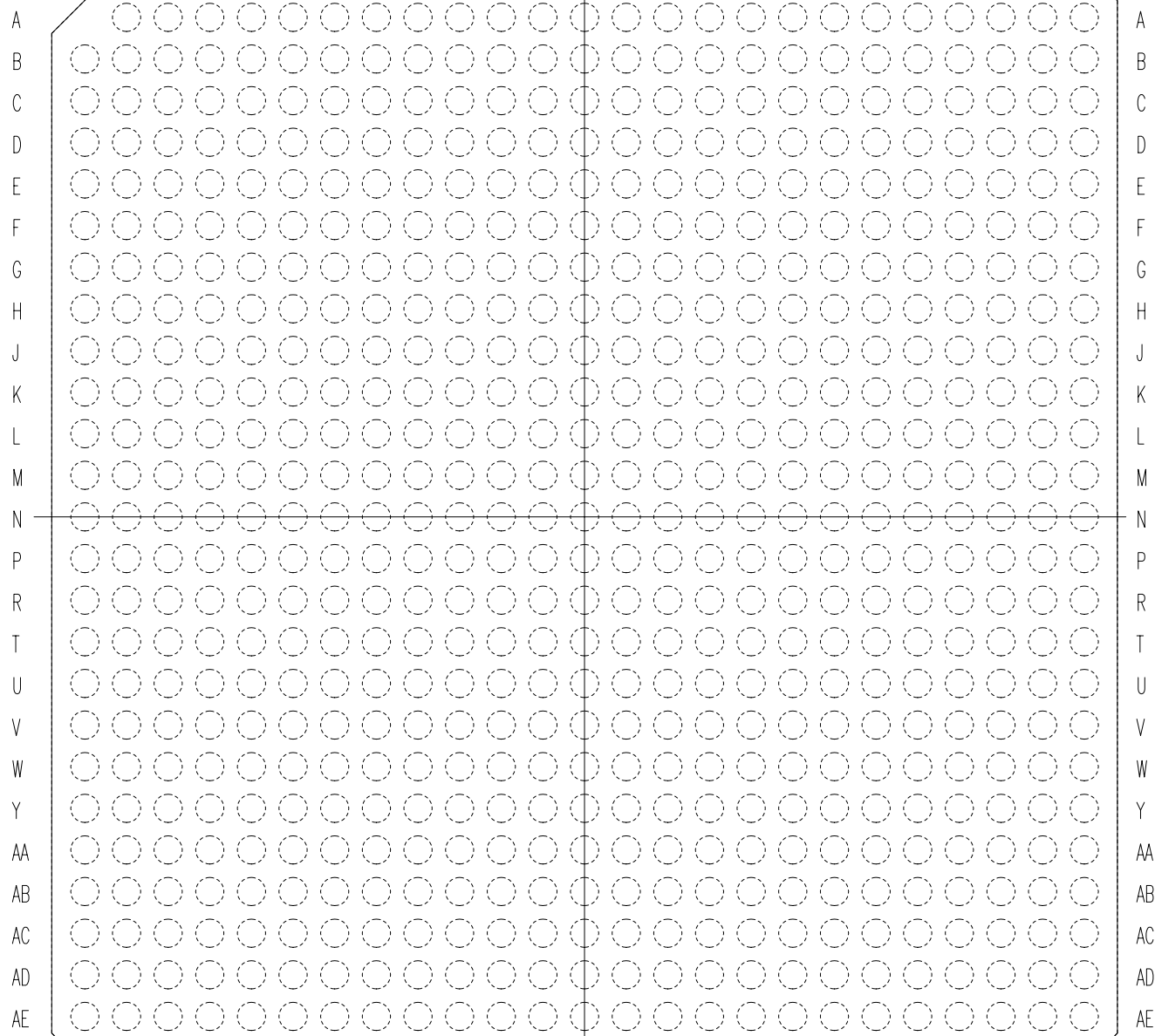
B

B

A

A

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



ALUMINA COAT
(MP-7)

SIZE B	ACTEL DWG. NUMBER 1-21-11031	REV 5
	VENDOR DWG. NUMBER KD-NA5111	REV 0
SCALE: NONE		SHEET 8 OF 8