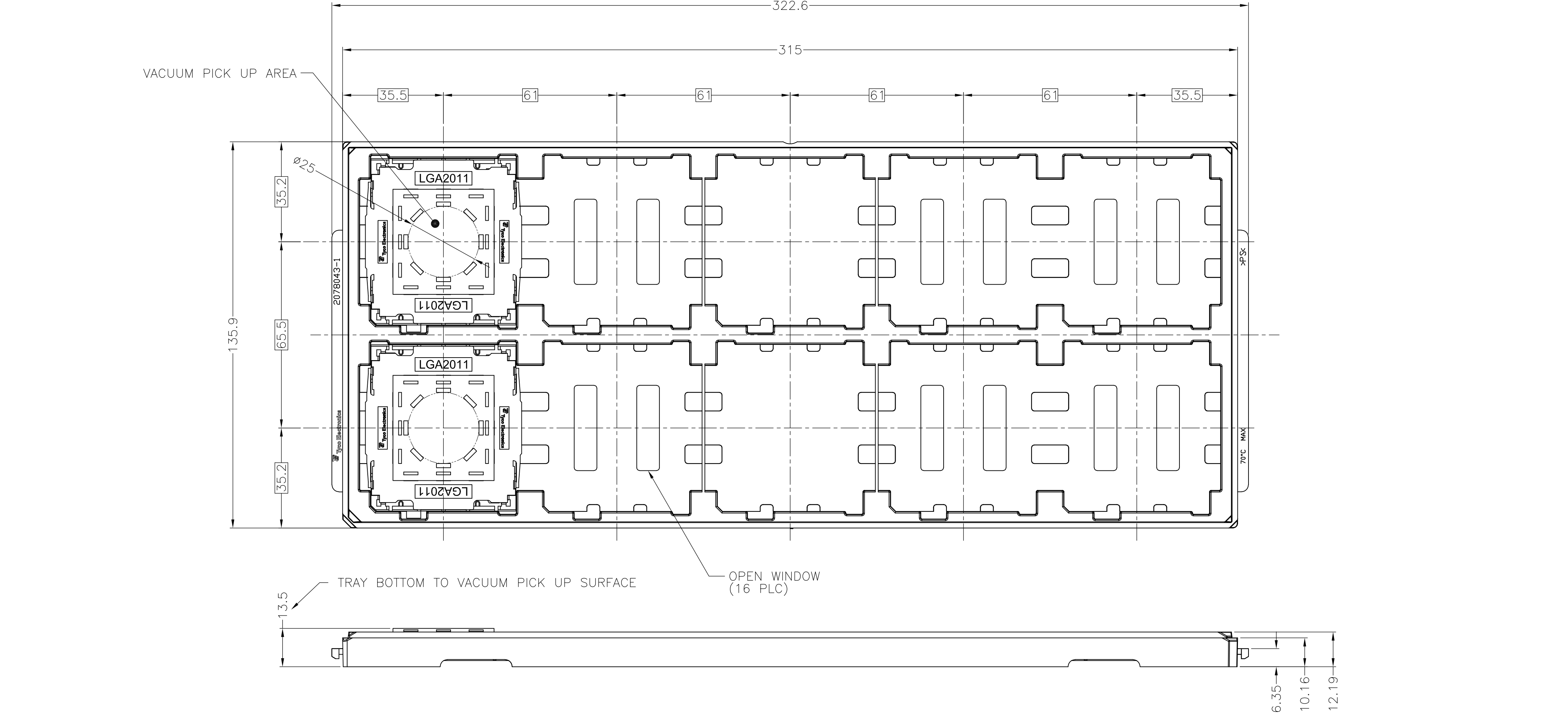
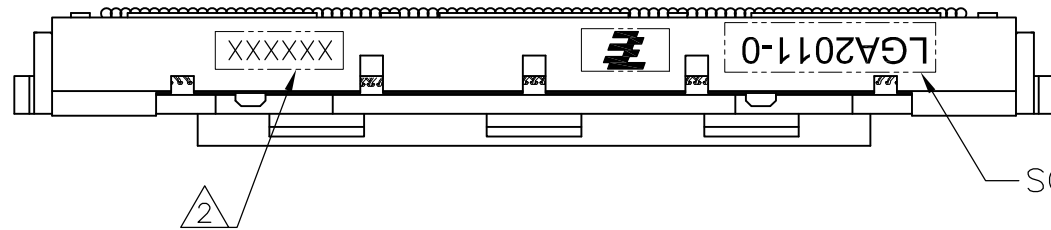




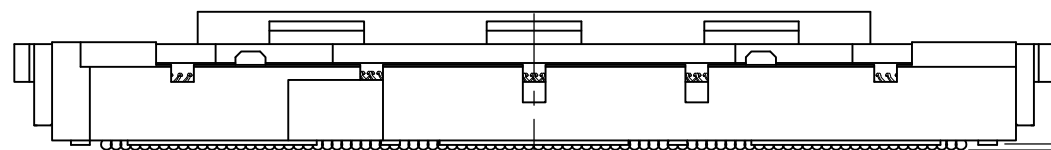
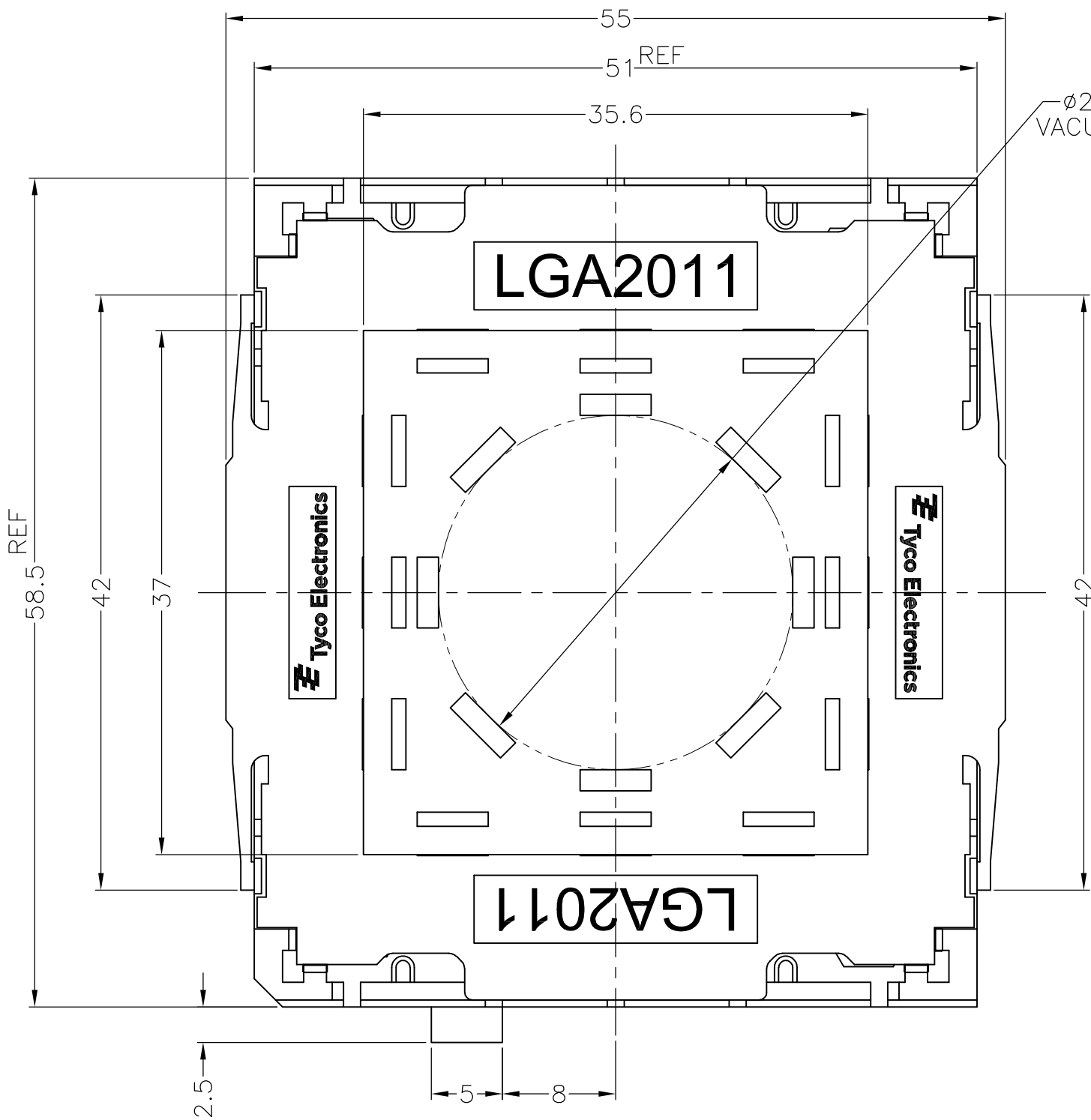
1. MATERIAL ① HOUSING : HIGH TEMP, THERMO-PLASTIC, UL94V-0, BLACK ② CONTACT : COPPER ALLOY FINISH : Au PL. AT CONTACT AREA ON OVERALL OVER Ni UNDER PL. 0.00127 MIN. ③ SOLDER BALL : Sn/Ag/Cu ④ CAP : HIGH TEMP. THERMO-PLASTIC, UL94V-0, BLACK △ INDICATED DATE CODE ON THE HSG △ Au PL. ON Pd-Ni ALLOY PL. AT CONTACT AREA ON OVERALL OVER Ni UNDER PL. 0.00127 MIN.	2-1554653-1	LGA2011-0	Au PL ON Pd-Ni PL △
	1-1554653-1	LGA2011-0	0.76 um MIN Au PL
	1554653-1	LGA2011-0	0.38 um MIN Au PL
	PART NUMBER	SOCKET NAME	DESCRIPTION

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN J.MIZUSHIMA 05JUL2010	TE Connectivity	
DIMENSIONS: 単位: 桁 mm		CHK H.TAGUCHI 05JUL2010		
		APVD T.NAKASHIMA 05JUL2010	NAME 名称 SOCKET ASSY LGA2011-X	
		PRODUCT SPEC 製品規格 108-78750		
		APPLICATION SPEC 取付適用規格 114-5474	SIZE A2 CAGE CODE 00779 DRAWING NO 番号 C=1554653	
		WEIGHT 19.1g		
MATERIAL 材料		CUSTOMER DRAWING		RESTRICTED TO —
		SCALE 尺度 NTS		SHEET 1 OF 6
				REV E2

LOC	DIST	REVISIONS				
		P	LTR	DESCRIPTION	DATE	DWN
J	—	—	—	SEE SHEET 1	—	—

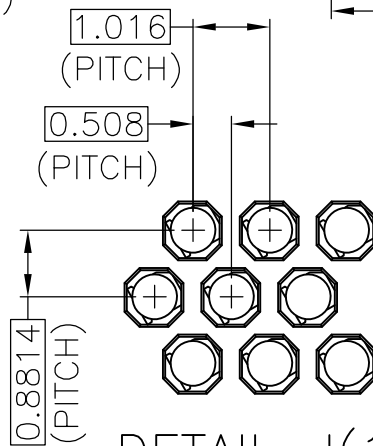
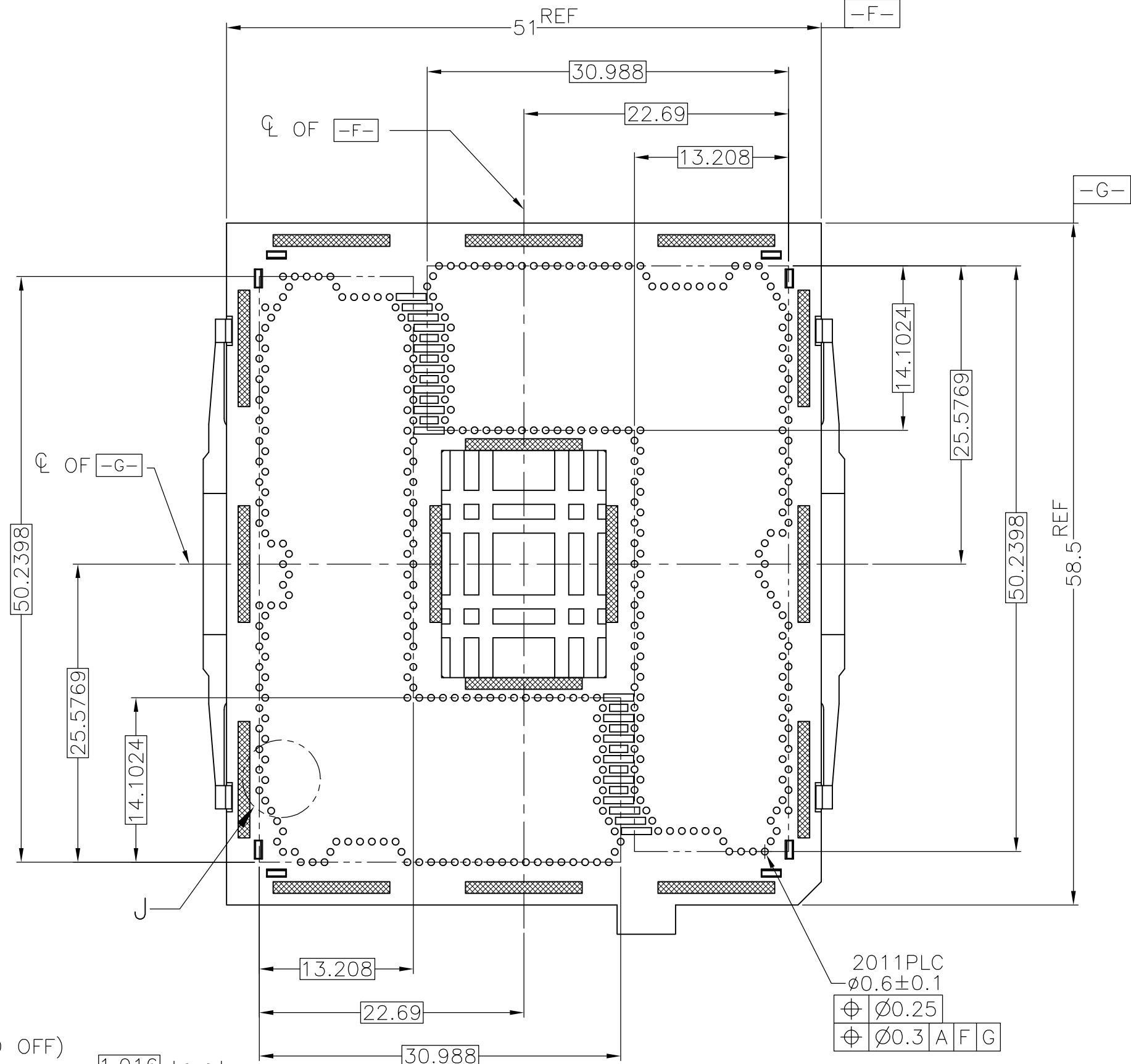
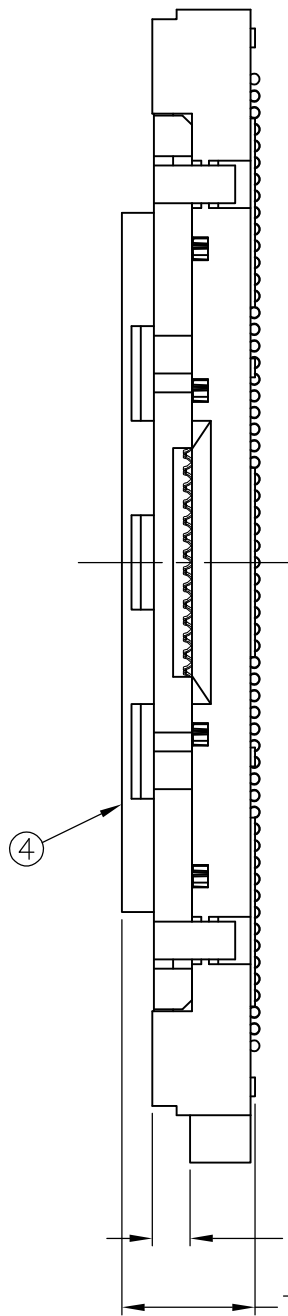


SOCKET NAME



0.15~0.375
(STAND-OFF GAP
BEFORE REFLOW)

0.2
(SOLDER BALL COPLANARITY)



DETAIL J(10:1)

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	—	 TE Connectivity		
DIMENSIONS: 単位: 寸 mm		CHK	—			
TOLERANCES UNLESS OTHERWISE SPECIFIED: 一般公差		APVD	—	NAME 名称		
PRODUCT SPEC 製品規格		APPLICATION SPEC 取付適用規格	—	SIZE 寸法		
MATERIAL 材料		WEIGHT	—	CAGE CODE 番号		
FINISH 仕上		CUSTOMER DRAWING	—	DRAWING NO 番号		
		SCALE 尺度	NTS	RESTRICTED TO		
		SHEET	2 of 6	REV		
				E2		

D

C

B

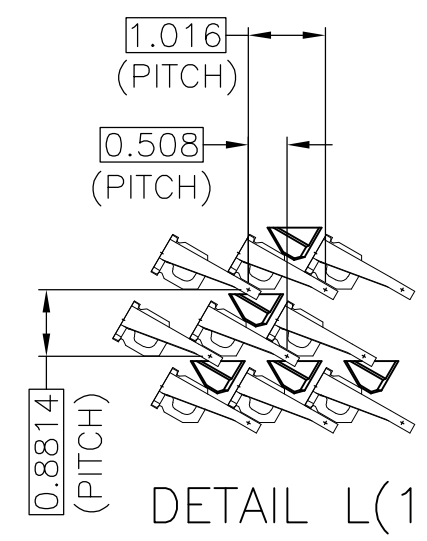
A

D

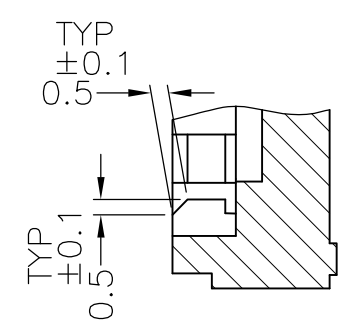
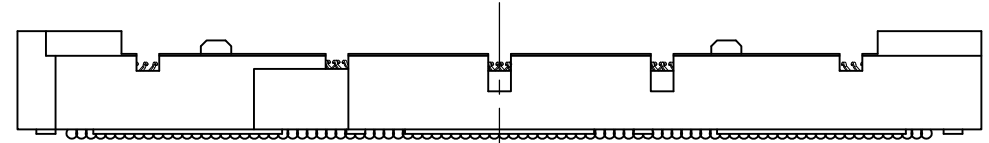
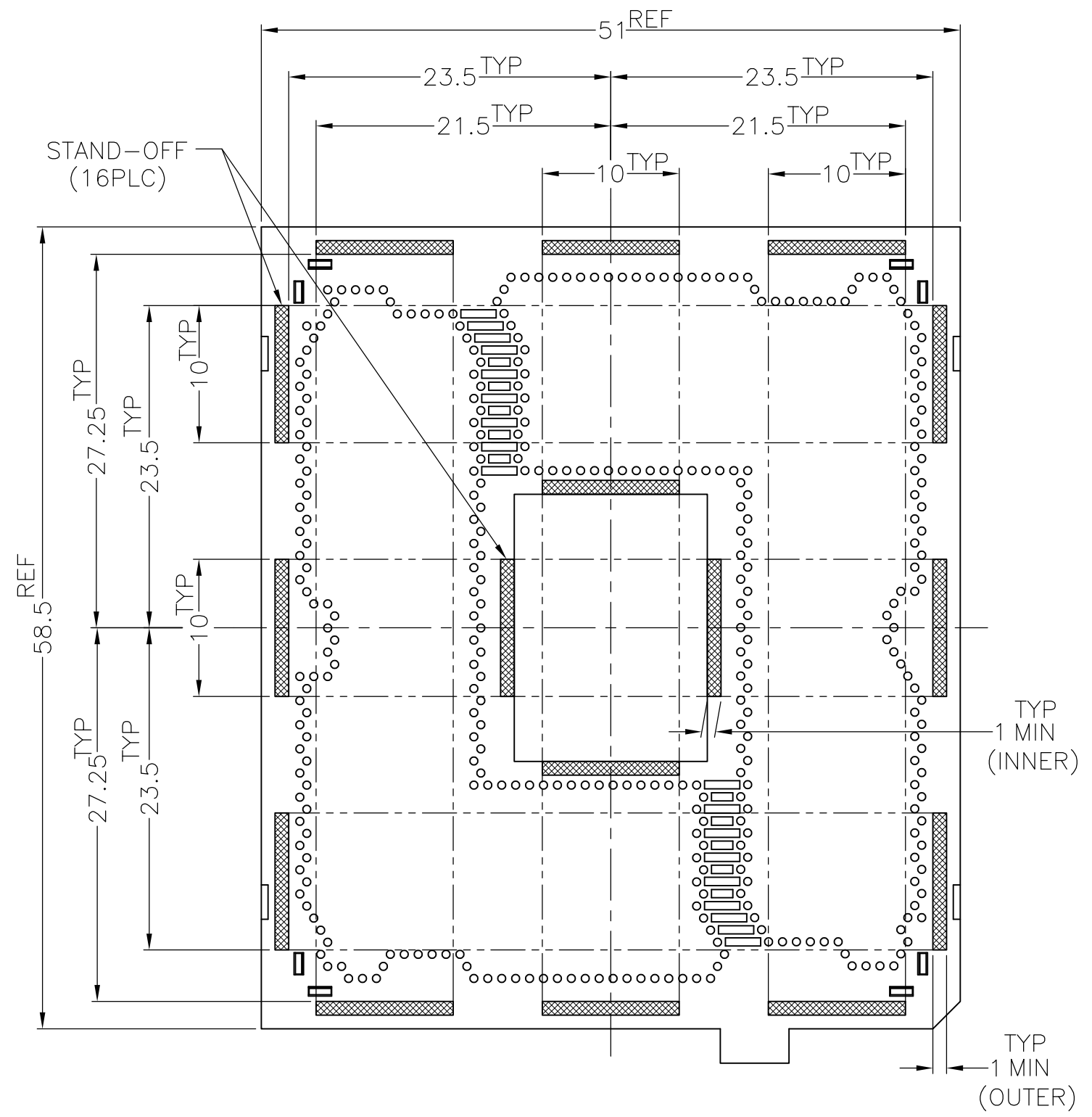
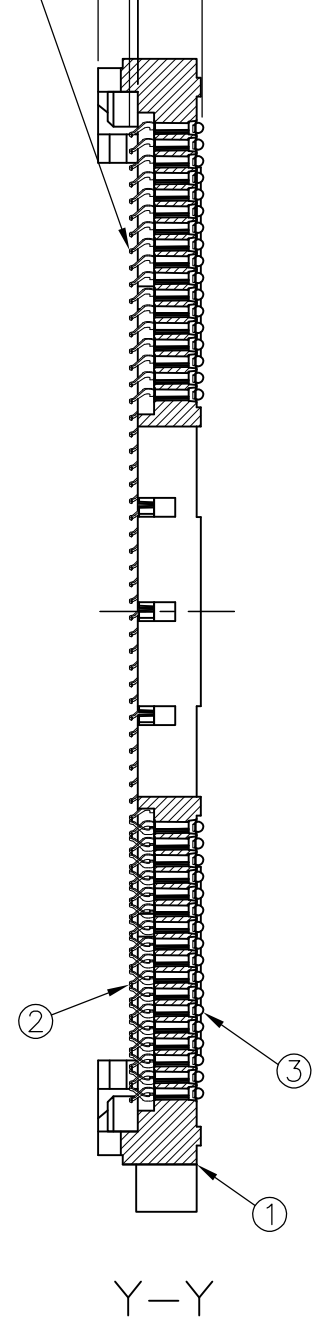
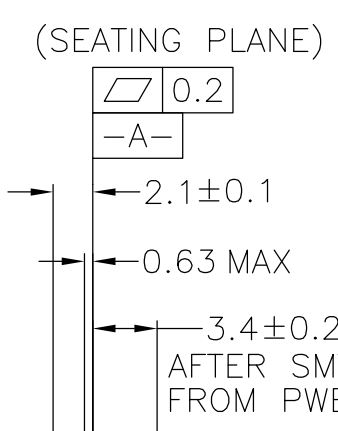
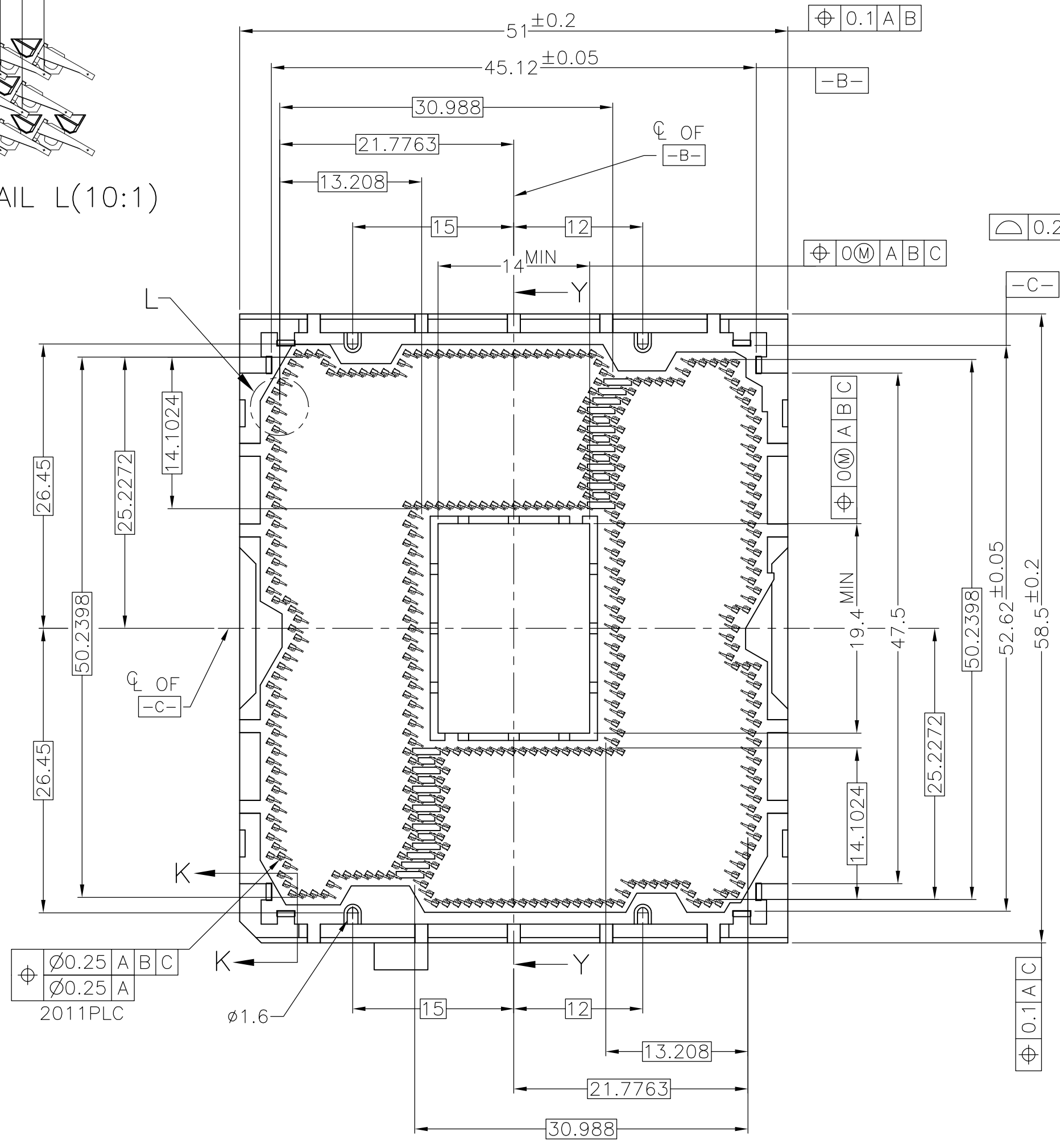
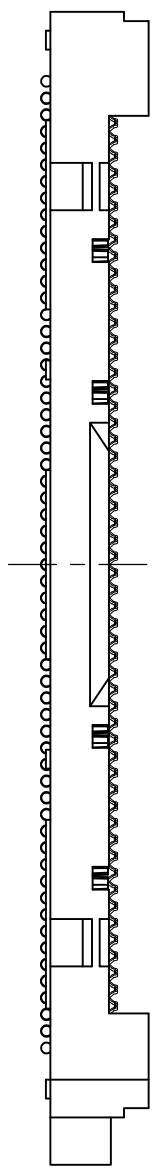
C

B

A



DETAIL L(10:1)



K-K (4:1)
DATUM WALL CHAMFER
8 LOCATIONS

THESE VIEWS DON'T SHOW CAP

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
単位: 寸
mm

TOLERANCES, UNLESS
OTHERWISE SPECIFIED:
一般公差

Ø PLG ± ±0.3
+ PLG ± ±3
2 PLG ± ±3
3 PLG ± ±3
4 PLG ± ±3
ANGLES ± ±
FINISH 仕上

DWN
—
CHK
—
APVD
—

PRODUCT SPEC
製品規格
—
APPLICATION SPEC
取付適用規格
—
WEIGHT
—

CUSTOMER DRAWING

NAME
名称

SIZE
A2

CAGE CODE
00779

DRAWING NO
番号
C=1554653

RESTRICTED TO
—

SCALE
尺度
NTS

SHEET
3 OF 6

REV
E2

TE Connectivity

SOCKET ASSY
LGA2011-X



FOR GENERAL BOARD DESIGN, PLEASE REFER TO THE THERMAL AND MECHANICAL DESIGN GUIDELINES(TMDG) PROVIDED BY INTEL CORPORATION

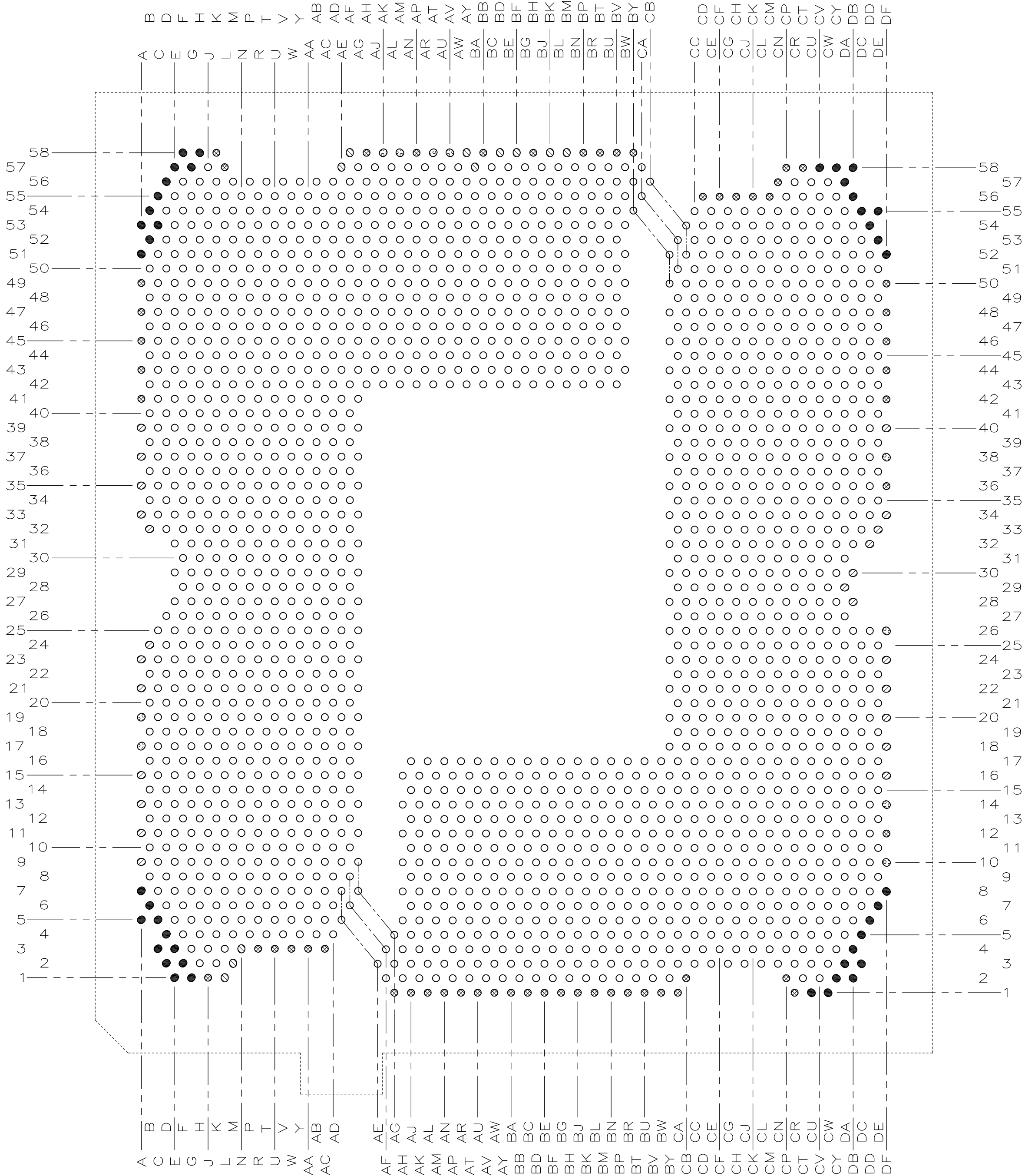
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN — CHK — APVD —		 TE Connectivity	
DIMENSIONS: 单位: 耗 mm		TOLERANCES UNLESS OTHERWISE SPECIFIED: 一般公差		NAME 名称	
		0-PLC ± 0.3 1-PLC ± 2-PLC ± 3° 3-PLC ± 4-PLC ± ANGLES ±		SOCKET ASSY LGA2011-X	
MATERIAL 材料		FINISH 仕上		SIZE A2	
		WEIGHT —		CAGE CODE 00779	
		PRODUCT SPEC 製品規格 —		DRAWING NO 番号 C-1554653	
		APPLICATION SPEC 取付適用規格		RESTRICTED TO —	
CUSTOMER DRAWING				SCALE 尺度 NTS	
				SHEET 4 of 6	
				REV E2	

D

C

B

A



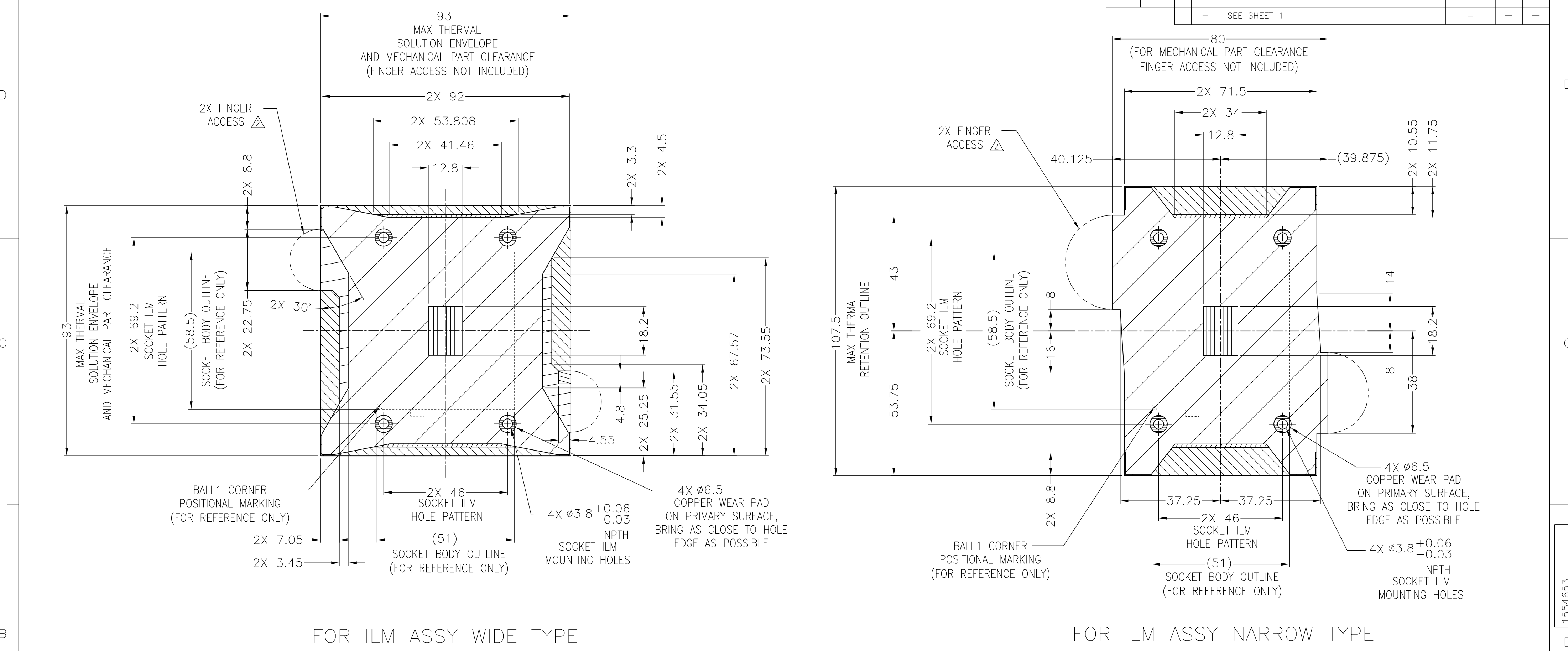
LOCATION ID AND REFFERENCE LAND PATTERN GUIDANCE

- NOTE(APPLIED TO SHEET 5 OF 5):
- NON-CRITICAL TO FUNCTION PADS IN THE FOUR CORNER:
0.43X0.51 OBLONG SMD(SOLDER MASK DEFINED) PAD WHICH IS ORIENTED AT 45° TO THE SOCKET EDGE. THE PAD END CLOSEST TO THE CENTER OF THE SOCKET SHOULD HAVE $\varnothing 0.43\pm 0.025$ SRO(SOLDER RESIST OPENING) WHICH IS A CRITICAL TO FUNCTION DIMENSION.
 - CRITICAL TO FUNCTION PADS ORIENTED AT 90°:
0.43X0.51 OBLONG SMD PAD WHICH IS ORIENTED AT 90° TO THE SOCKET EDGE. THE PAD END CLOSEST TO THE CENTER OF THE SOCKET SHOULD HAVE $\varnothing 0.43\pm 0.025$ SRO.
 - CRITICAL TO FUNCTION PADS ORIENTED AT 45°:
0.43X0.51 OBLONG SMD PAD WHICH IS ORIENTED AT 45° TO THE SOCKET EDGE. THE PAD END CLOSEST TO THE CENTER OF THE SOCKET SHOULD HAVE $\varnothing 0.43\pm 0.025$ SRO.
 - CRITICAL TO FUNCTION PADS EXCEPT FOR DEFINED IN :
CIRCULAR MD(METAL DEFINED) OR SMD IF POWER/GROUND PAD IN A FLOOD PLANE. $\varnothing 0.43\pm 0.025$ SRO. FOR MD PADS ONLY A THICK TRANCE 0.25 MIN WIDTH, NO GREATER THAN 0.43.
 - ALL PADS EXCEPT FOR DEFINED IN :
CIRCULAR MD PAD WITH $\varnothing 0.43\pm 0.025$ SRO

MARK	DESCRIPTION	LOCATION ID	PAD
	NON-CRITICAL TO FUNCTION PADS IN THE FOUR CORNER (43PCS)	A53,B54,C55,D56,E57,F58,A51,B52 C53,G57,H58,CU1,CW1,CY2DA3,DB4 DC5,DD6,DE7,DF8,DB2,DC3,E1,D2, C3,A5,G1,F2,E3,D4,C5,B6,A7,DF52, DE53,DD54,DC55,DB56,DA57,CY58, CV58,DE55,DB58	 THICK TRACE SRO ± 0.025 $\varnothing 0.43$ 0.43 REF 0.51 REF 0.25 MIN SMD PAD
	CRITICAL TO FUNCTION PADS ORIENTED AT 90° (34PCS)	L1,M2,N3,AE57,AF58,AY58,BA57 BD58,BF58,BK58,BM58,DF40,DF34 DE33,DD32,DB30,DA29,DB28,DF24 DF22,DF20,DF18,DF16,A9,A11,A13 A15,A21,A23,B24,B32,A35,A37,A39	
	CRITICAL TO FUNCTION PADS ORIENTED AT 45° (11PCS)	AM58,AV58,DF38,DF26,DF14,DF10 A33,A19,A17,AK58,AT58	
	CRITICAL TO FUNCTION PADS EXCEPT FOR DEFINED IN (57PCS)	CT58,CP58,CN57,CM56,CK56,CH56 CF56,CD56,BY58,BV58,BT58,BP58 BH58,BB58,AP58,AH58,K58,L57,J1 R3,U3,W3,AA3,AC3,AG1,AJ1,AL1,AN1 AR1,AU1,AW1,BA1,BC1,BE1,BG1,BJ1 BL1,BN1,BR1,BU1,BW1,CA1,CB2,CP2 CR1,A49,A47,A45,A43,A41,DF12 DF36,DF42,DF44,DF46,DF48,DF50	 MD OR SMD PAD $\varnothing 0.43\pm 0.025$
	ALL PADS EXCEPT FOR DEFINED IN	ALL PADS EXCEPT FOR DEFINED IN	 MD PAD $\varnothing 0.43\pm 0.025$

FOR GENERAL BOARD DESIGN, PLEASE REFER TO THE THERMAL AND MECHANICAL DESIGN GUIDELINES(TMDG) PROVIDED BY INTEL CORPORATION

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	—	TE Connectivity			
DIMENSIONS: 単位： 寸 mm		CHK	—	NAME 名称			
TOLERANCES UNLESS OTHERWISE SPECIFIED: 一般公差		APVD	—	SOCKET ASSY LGA2011-X			
0 PLG ±		PRODUCT SPEC	製品規格	SIZE	CAGE CODE	DRAWING NO 番号	RESTRICTED TO
1 PLG ±		APPLICATION SPEC	取付適用規格	A2	00779	C=1554653	—
2 PLG ±		WEIGHT	—	SCALE 尺度	NTS	SHEET 5 of 6	REV E2
3 PLG ±		CUSTOMER DRAWING					
4 PLG ±							
ANGLES 仕上							
FINISH 仕上							



D

C

B

FOR ILM ASSY NARROW TYPE

COMPONENT KEEP-INS AND MECHANICAL COMPONENT KEEP-OUTS

FOR REFERENCE ONLY, PLEASE REFER TO THE THERMAL AND MECHANICAL DESIGN GUIDELINES(TMDG) PROVIDED BY INTEL CORPORATION

LEGEND

	0.0MM MAX COMPONENT HEIGHT, NO COMPONENT PLACEMENT, SOCKET, ILM, AND FINGER ACCESS KEEPIN ZONE
	7.2MM MAX COMPONENT HEIGHT.
	0.0MM MAX COMPONENT HEIGHT, NO COMPONENT PLACEMENT, NO ROUTE ZONE
	1.67MM MAX COMPONENT HEIGHT AFTER REFLOW 1.50MM MAX (MMC) COMPONENT HEIGHT BEFORE REFLOW
	1.6MM MAX COMPONENT HEIGHT.
	1.5MM MAX COMPONENT HEIGHT.
	1.9MM MAX COMPONENT HEIGHT.

NOTES (APPLIED TO SHEET 6 OF 6):

1. DIMENSIONS STATED IN MILLIMETERS AND DEFINE ZONES, FOR UNDEFINED DIMENSINS, REFER TO THERMAL AND MECHANICAL DESIGN GUIDELINE PROVIDED BY INTEL CORPORATION.

SIZE & HEIGHT OF FINGER ACCESS TO BE DETERMINED BY SYSTEM/BOARD ARCHITECT. THIS IS ILM MECHANICAL CLEARANCE ONLY AND FINGER AND/OR TOOL. ACCESS SHOULD BE DETERMINED SEPARATELY.

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: 單位： 轉 mm

MATERIAL 材料

TOLERANCES UNLESS OTHERWISE SPECIFIED: 一般公差

Ø PLG	±
1 PLG	±
2 PLG	±
3 PLG	±
4 PLG	±
ANGLES	±
FINISH 仕上	±

DWN

CHK

APVD

PRODUCT SPEC 製品規格

APPLICATION SPEC 取付適用規格

WEIGHT

CUSTOMER DRAWING

TE Connectivity

SOCKET ASSY LGA2011-X

SIZE A2

CAGE CODE 00779

DRAWING NO 番号 C=1554653

RESTRICTED TO

SCALE 尺度 NTS

SHEET 6 of 6

REV E2