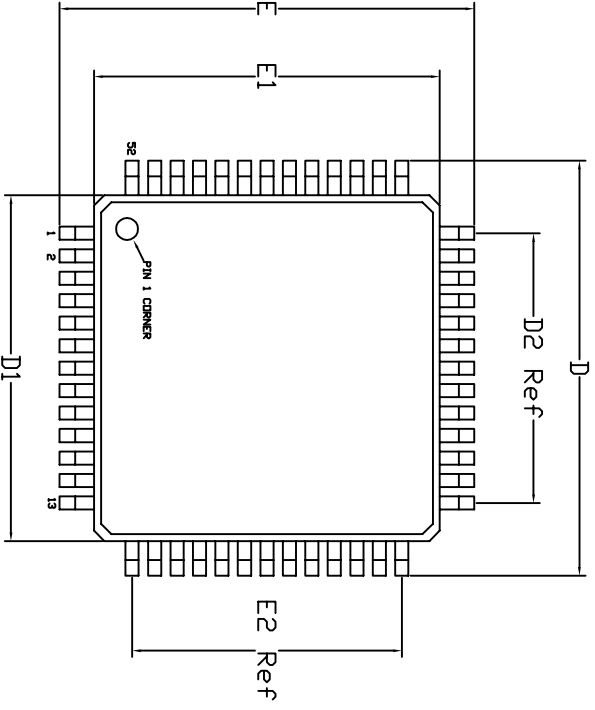
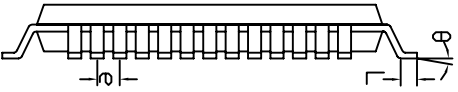
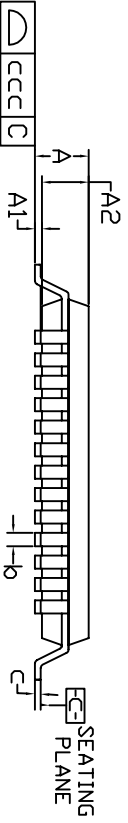


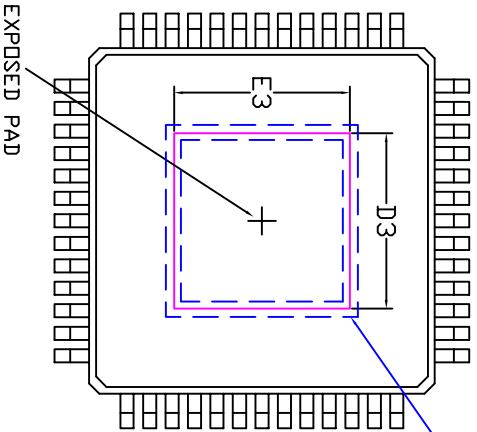
TOP VIEW



SIDE VIEW



BOTTOM VIEW



Design feature within the blue lines may vary.

JEDREC VARIATION SYMBOL	MIN	NOM	MAX
N	-	52	1.7
A	0.05	0.10	0.20
A1	1.30	1.40	1.50
A2	0.22	0.28	0.40
b	.09	0.10	0.20
D		12 BASIC	
D1		10 BASIC	
D2	4.58	7.80 Ref	4.78
D3		4.68	4.78
E		12 BASIC	
E1		10 BASIC	
E2		7.80 Ref	
E3	4.58	4.68	4.78
e		0.65 BASIC	
L	0.45	0.55	0.75
q	0'	3'	7'
ccc	-	-	0.10

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
00	INITIAL RELEASE	1/22/13	RC
01	ADD EPAD D3, E3 & Land Pattern	3/26/13	RC
02	ADD EPAD SHAPE OPTION IN SHEET 3	6/11/15	KLB

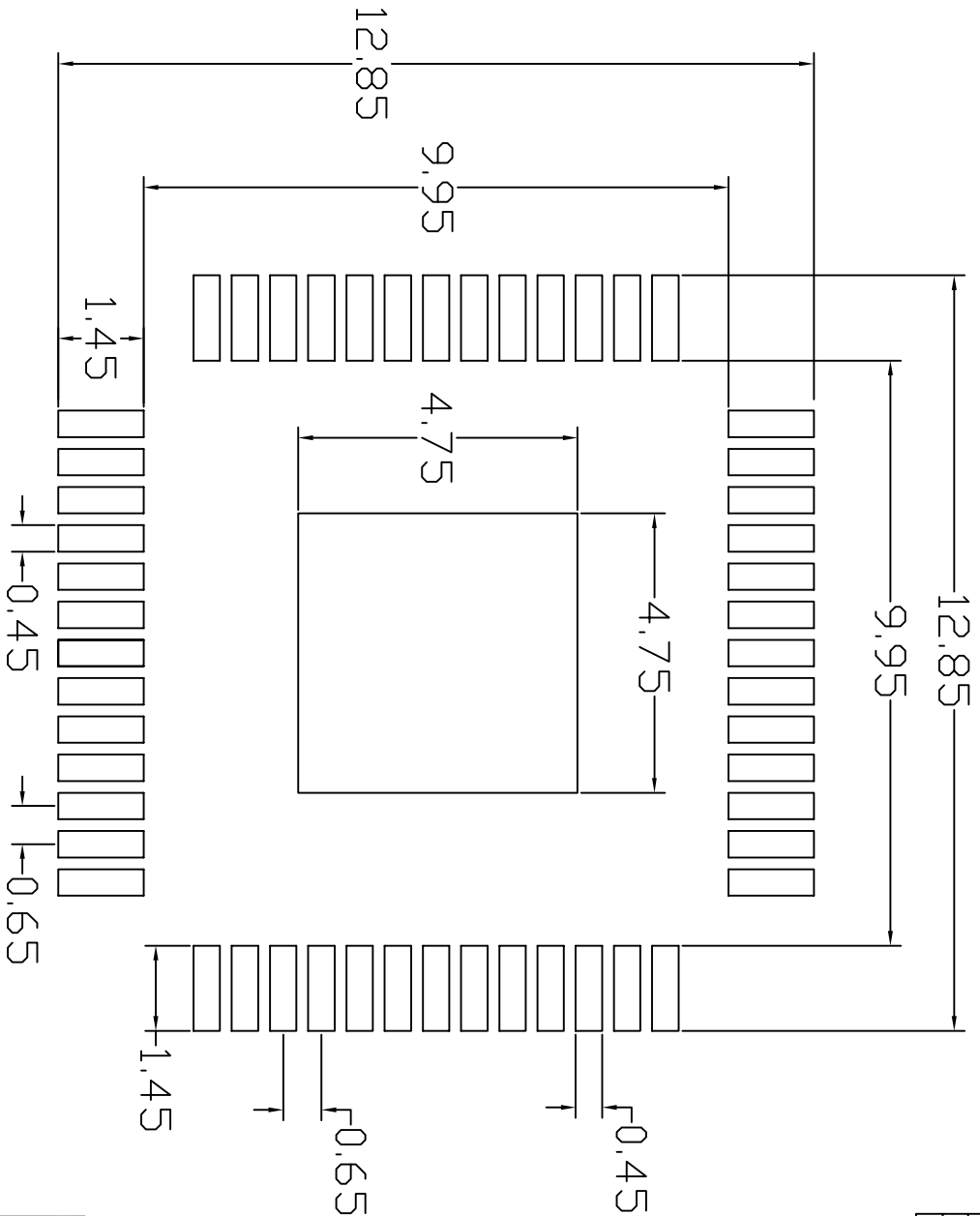
TOLERANCES UNLESS SPECIFIED	
DECIMAL	ANGULAR
XX±.1	±1°
XX±.05	
XXXX±.030	
APPROVALS	DATE
DRAWN <i>RAIG</i>	1/22/13
CHECKED	
SIZE	DRAWING No.
C	PSC-4173
DO NOT SCALE DRAWING	SHEET 1 OF 3




6024 SILVER CREEK
VALLEY ROAD, SAN JOSE,
CA 95138
PHONE: (408) 284-8200
FAX: (408) 284-3572

www.IDT.com
TITLE EP/EP652 PACKAGE OUTLINE
10.0 mm SQ BODY
1.4 mm Thick 0.65mm PITCH TQFP

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
00	INITIAL RELEASE	3/26/13	RC
01	Add D3, E3 & Land Pattern	3/26/13	RC
02	ADD EPAD SHAPE OPTION IN SHEET 3	6/11/15	KLB



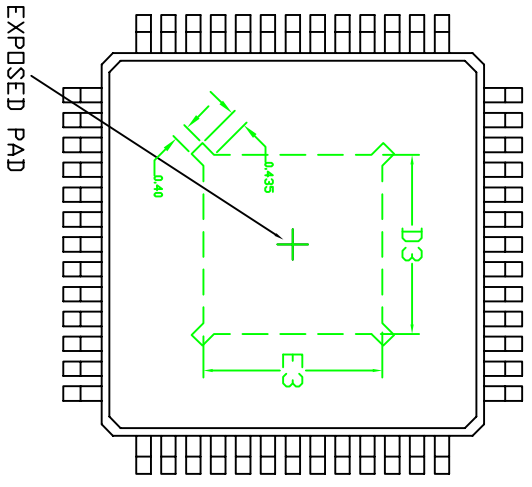
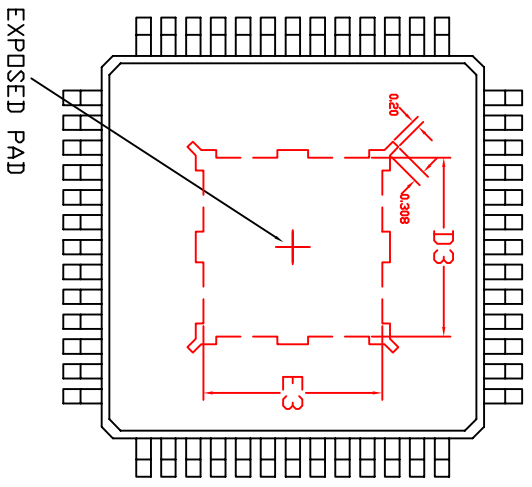
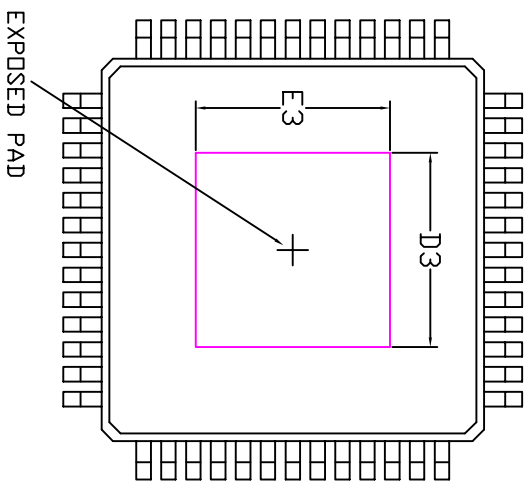
RECOMMENDED LAND PATTERN


TOLERANCES UNLESS SPECIFIED DECIMAL ANGULAR XX.X .1° ±1° XXX .05 XXXX .030		 www.IDT.com 6024 SILVER CREEK VALLEY ROAD, SAN JOSE, CA 95138 PHONE: (408) 284-8200 FAX: (408) 284-3572	
APPROVALS	DATE	TITLE	SIZE
DRAWN <i>BAIG</i>	3/26/13	EP/EPG52 PACKAGE OUTLINE	C
CHECKED		10.0 mm SQ BODY 1.4 mm Thick 0.65mm PITCH TQFP	DRAWING No. PSC-4173
			REV 02
DO NOT SCALE DRAWING			SHEET 2 OF 3

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
00	INITIAL RELEASE	3/26/13	RC
01	Add D3, E3 & Lond Pattern	3/26/13	RC
02	ADD EPAD SHAPE OPTION IN SHEET 3	6/11/15	KLB

BOTTOM VIEW

ACCEPTABLE E-PAD SHAPES



		6024 SILVER CREEK VALLEY ROAD, SAN JOSE, CA 95138 PHONE: (408) 284-8200 FAX: (408) 284-5572	
		www.IDT.com	
TITLE EP/EPG52 PACKAGE OUTLINE			
10.0 mm SQ BODY 1.4 mm Thick 0.65mm PITCH TQFP			
SIZE	DRAWING No.	PSC-4173	REV
C			02
DO NOT SCALE DRAWING			SHEET 3 OF 3