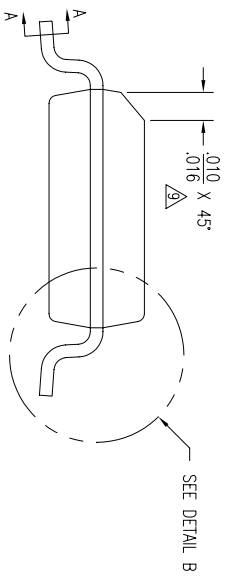
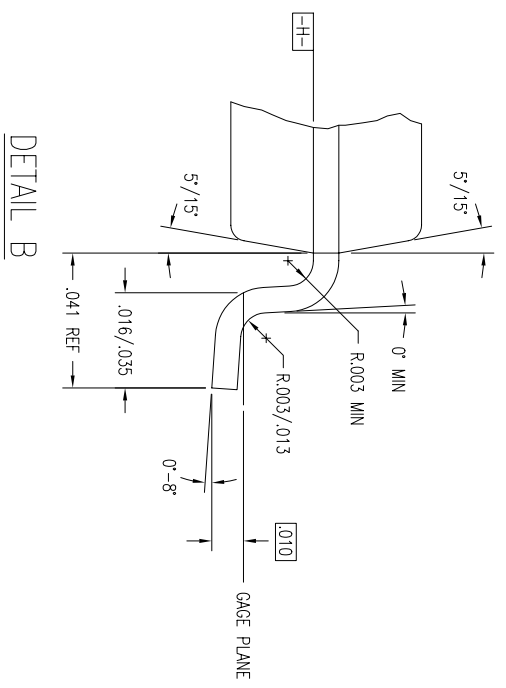
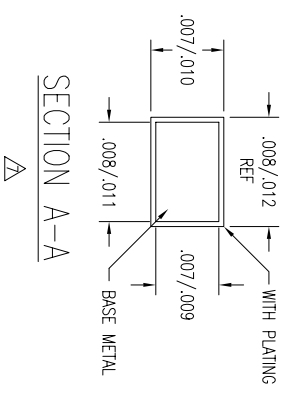
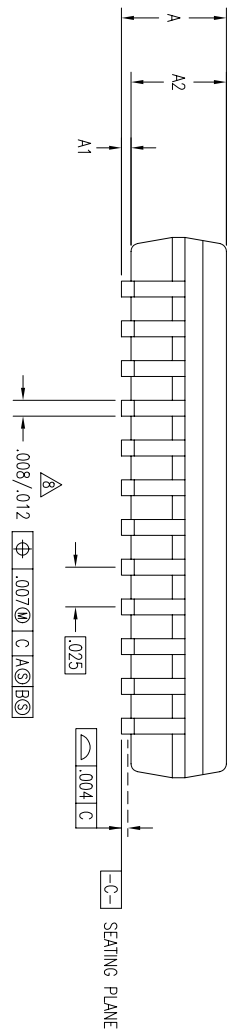
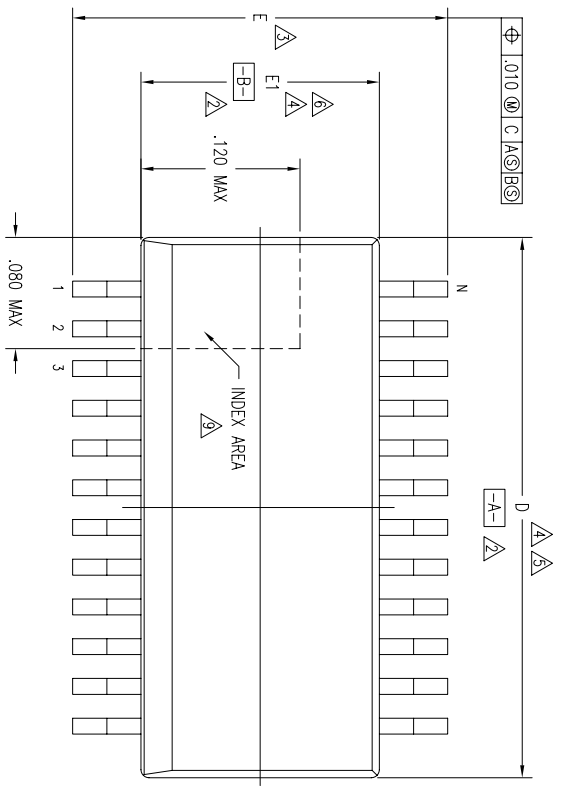



REVISIONS		DCN	REV	DESCRIPTION	DATE	APPROVED
27495	01	REDRAW TO JEDEC FORMAT	03/10/95	T. VU		
28047	02	ADD 28 LD	08/15/95	T. VU		
	03	CHANGE TO QSOP	12/15/99	S.SUE		
	04	ADD "GREEN" PCG NOMENCLATURE	10/08/04	TU VU		
	05	CHANGE RADIUS DIM	11/15/11	CK LEE		



TOLERANCES UNLESS SPECIFIED		DECIMAL ANGULAR	
XXX±	±	XXXX±	±
APPROVALS	DATE	TITLE	PC/PCG PACKAGE OUTLINE
DRAWN		SIZE	.150" BODY WIDTH QSOP
CHECKED		DRAWING No.	PSC-4040
		DO NOT SCALE DRAWING	SHEET 1 OF 2


  
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 PC/PCG PACKAGE OUTLINE
   
 .150" BODY WIDTH QSOP
   
 .025" PITCH

SIZE C
   
 DRAWING No. PSC-4040
   
 REV 05

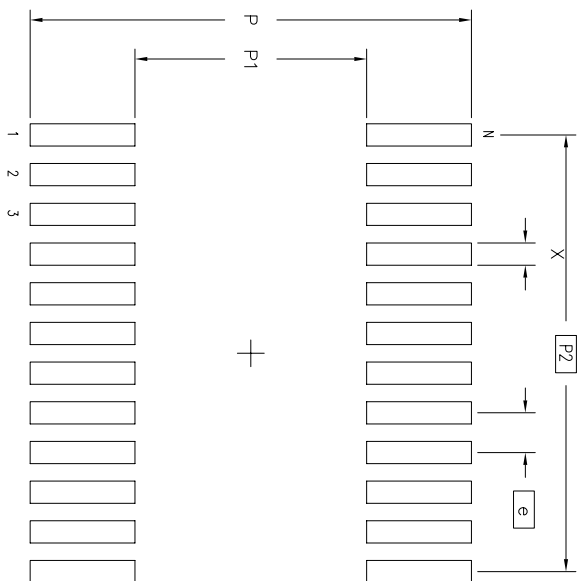
REVISIONS				
DCN	REV	DESCRIPTION	DATE	APPROVED
28047	02	ADD 28 LD	08/15/95	T. VU
	03	CHANGE TO Q50P	12/15/99	S. SUE
	04	ADD "GREEN" PGC NOMENCLATURE	10/08/04	TU VU
	05	CHANGE RADIUS DIM	11/15/11	CK LEE

### LAND PATTERN DIMENSIONS

SYMBOL	JEDEC VARIATION AB			NPT E	JEDEC VARIATION AD			NPT E	JEDEC VARIATION AE			NPT E	JEDEC VARIATION AF			NPT E
	MIN	NOM	MAX		MIN	NOM	MAX		MIN	NOM	MAX		MIN	NOM	MAX	
A	.061	.064	.068		.061	.064	.068		.061	.064	.068		.061	.064	.068	
A1	.004	.006	.010		.004	.006	.010		.004	.006	.010		.004	.006	.010	
A2	.055	.058	.061	11	.055	.058	.061	11	.055	.058	.061	11	.055	.058	.061	11
D	.189	.194	.196	4,5	.337	.342	.344	4,5	.337	.342	.344	4,5	.386	.390	.394	4,5
E	.230	.236	.244	3	.230	.236	.244	3	.230	.236	.244	3	.230	.236	.244	3
E1	.150	.155	.157	4,6	.150	.155	.157	4,6	.150	.155	.157	4,6	.150	.155	.157	4,6
N	16				20				24				28			

### NOTES:

- ALL DIMENSIONING AND TOLERANCING CONFORM TO ANSI Y14.5M-1982
- DATUMS **-A-** AND **-B-** TO BE DETERMINED AT DATUM PLANE **-H-**
- DIMENSION E TO BE DETERMINED AT SEATING PLANE **-C-**
- DIMENSIONS D AND E1 ARE TO BE DETERMINED AT DATUM PLANE **-H-**
- DIMENSION D DOES NOT INCLUDE MOLD FLASH, PROTRUSIONS OR GATE BURRS. MOLD FLASH, PROTRUSIONS AND GATE BURRS SHALL NOT EXCEED .006 PER SIDE
- DIMENSION E1 DOES NOT INCLUDE INTERLEAD FLASH OR PROTRUSIONS. INTERLEAD FLASH OR PROTRUSIONS SHALL NOT EXCEED .010 PER SIDE
- THESE DIMENSIONS APPLY TO THE FLAT SECTION OF THE LEAD BETWEEN .005 AND .010 FROM LEAD TIP
- LEAD WIDTH DIMENSION DOES NOT INCLUDE DAMBAR PROTRUSION. ALLOWABLE DAMBAR PROTRUSION IS .004 IN EXCESS OF THE LEAD WIDTH DIMENSION AT MAXIMUM MATERIAL CONDITION. DAMBAR CANNOT BE LOCATED ON THE LOWER RADIUS OR THE FOOT
- THE CHAMFER ON THE PACKAGE BODY IS OPTIONAL. IF IT IS NOT PRESENT, A VISUAL INDEX FEATURE MUST BE LOCATED WITHIN THE ZONE INDICATED
- ALL DIMENSIONS ARE IN INCHES
- THIS OUTLINE CONFORMS TO JEDEC PUBLICATION 95 REGISTRATION MO-137, VARIATION AB, AD, AE & AF. EXCEPTIONS: JEDEC DIMENSION A2 MAX IS .059



	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
P	.274	.282	.274	.282	.274	.282	.274	.282	.274	.282
P1	.142	.150	.142	.150	.142	.150	.142	.150	.142	.150
P2	.175 BSC		.225 BSC		.275 BSC		.325 BSC			
X	.010	.018	.010	.018	.010	.018	.010	.018	.010	.018
e	.025 BSC		.025 BSC		.025 BSC		.025 BSC		.025 BSC	
N	16		20		24		28			

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DECIMAL ANGULAR ±

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APPROVALS DATE TITLE PC/PGC PACKAGE OUTLINE  
DRAWN .150" BODY WIDTH Q50P  
CHECKED .025" PITCH  
SIZE DRAWING No. PSC-4040  
DO NOT SCALE DRAWING SHEET 2 OF 2