

CTC APPROVAL CODE		020609PC8		DWG NO		PKGS00001		REV		J		SCALE		NTS	
J	---	DRAFT ANGLE 9±2° BOTTOM VDI #12-27		TOLERANCES (INCH/MM)		FINISHING		ORIGINATOR		J					
I	---	ADD BLD EP		FRAC		DECIMALS		REQUESTOR							
H	---	ADD PIN ONE AREA		ANGLE		SYMBOL		ENGINEERING MANAGER							
REV	POS	DESCRIPTION		DATE		BY		APPD		QA DEPT MANAGER		CTC DESIGN DEPT MANAGER		TITLE	
														SOIC 8-14-16LD NARROW BODY PACKAGE OUTLINE	
														REF NO : CUSTOMER SPECIFICATION	
														SHEET NO : 1 OF 3	



SYMBOL	SOIC-8LD	
	MILLIMETERS	
	MIN	MAX
A1	0.10	0.25
B	0.36	0.46
C	0.19	0.25
D	4.80	4.98
E	3.81	3.99
e	1.27 BSC	
H	5.80	6.20
h	0.25	0.50
L	0.41	1.27
A	1.52	1.72
α	0°	8°
ZD	0.53 REF	
A2	1.37	1.57

SYMBOL	SOIC-8-EP1	
	MILLIMETERS	
	MIN	MAX
A1	0.10	0.25
B	0.36	0.46
C	0.19	0.25
D	4.80	4.98
E	3.81	3.99
e	1.27 BSC	
H	5.80	6.20
h	0.25	0.50
L	0.41	1.27
A	1.52	1.72
α	0°	8°
ZD	0.53 REF	
A2	1.37	1.57
D2	3.00	3.50
E2	2.00	2.50


SYMBOL	SOIC-14LD	
	MILLIMETERS	
	MIN	MAX
A1	0.10	0.25
B	0.36	0.46
C	0.19	0.25
D	8.56	8.74
E	3.81	3.99
e	1.27 BSC	
H	5.80	6.20
h	0.25	0.50
L	0.41	1.27
A	1.52	1.72
α	0°	8°
ZD	0.51 REF	
A2	1.37	1.57

SYMBOL	SOIC-16LD	
	MILLIMETERS	
	MIN	MAX
A1	0.10	0.25
B	0.36	0.46
C	0.19	0.25
D	9.80	9.98
E	3.81	3.99
e	1.27 BSC	
H	5.80	6.20
h	0.25	0.50
L	0.41	1.27
A	1.52	1.72
α	0°	8°
ZD	0.51 REF	
A2	1.37	1.57

NOTES :

1. LEAD COPLANARITY SHOULD BE 0 TD 0.10MM (<004") MAX.
2. PACKAGE SURFACE FINISHING :
 - <2.1> TOP : MATTE (CHARMILLES #18~30),
 - <2.2> BOTTOM : MATTE (CHARMILLES #12~27).

3. ALL DIMENSIONS EXCLUDING MOLD FLASHES AND END FLASH FROM THE PACKAGE BODY SHALL NOT EXCEED 0.25MM (<010") PER SIDE(D).
4. DETAIL OF PIN #1 IDENTIFIER ARE OPTIONAL BUT MUST BE LOCATED WITHIN THE ZONE INDICATED.
5. EXPOSED PAD FEATURE IS PRESENT ON VARIATIONS DESIGNATED WITH "-EP"
6. REFERENCE TO JEDEC MS-012.

CTC APPROVAL CODE		020609PC8	
J	DRAFT ANGLE 9±2° BOTTOM VDI #12~27	8000-490-07	881 100
I	ADD BLD EP	8000-440-05	881 100
H	ADD PIN ONE AREA	8000-490-03	881 100
REV POS	DESCRIPTION	DATE	BY APPD
DWG NO		PKGSO0001	
TOLERANCES (INCH)		FINISHING	
FRAC		DECIMALS	
±		X	
ANGLE		XXX	
±		XXXX	
SYMBOL		SYMBOL	
ORIGINATOR		J	SCALE
REQUESTOR			NTS
TOOLING DEPT MANAGER			
ENGINEERING MANAGER			
QA DEPT MANAGER			
CTC DESIGN DEPT MANAGER			
 Carsem Your Technology Partner		TITLE SOIC 8-14-16LD NARROW BODY PACKAGE OUTLINE	
REF NO : CUSTOMER SPECIFICATION		SHEET NO : 2 OF 3	

SOIC-8LD		
SYMBOL	INCHES	
	MIN	MAX
A1	.0040	.0098
B	.014	.018
C	.0075	.0098
D	.189	.196
E	.150	.157
e	.050 BSC	
H	.2284	.2440
h	.0099	.0196
L	.016	.050
A	.060	.068
α	0°	8°
ZD	.021 REF	
A2	.054	.062

SOIC-8-EP1		
SYMBOL	INCHES	
	MIN	MAX
A1	.0040	.0098
B	.014	.018
C	.0075	.0098
D	.189	.196
E	.150	.157
e	.050 BSC	
H	.2284	.2440
h	.0099	.0196
L	.016	.050
A	.060	.068
α	0°	8°
ZD	.021 REF	
A2	.054	.062
D2	.118	.138
E2	.080	.098

SOIC-14LD		
SYMBOL	INCHES	
	MIN	MAX
A1	.0040	.0098
B	.014	.018
C	.0075	.0098
D	.337	.344
E	.150	.157
e	.050 BSC	
H	.2284	.2440
h	.0099	.0196
L	.016	.050
A	.060	.068
α	0°	8°
ZD	.020 REF	
A2	.054	.062

SOIC-16LD		
SYMBOL	INCHES	
	MIN	MAX
A1	.0040	.0098
B	.014	.018
C	.0075	.0098
D	.386	.393
E	.150	.157
e	.050 BSC	
H	.2284	.2440
h	.0099	.0196
L	.016	.050
A	.060	.068
α	0°	8°
ZD	.020 REF	
A2	.054	.062

NOTES :

1. LEAD COPLANARITY SHOULD BE 0 TO 0.10MM (<004°) MAX.
2. PACKAGE SURFACE FINISHING :
 - <2.1> TOP : MATTE (CHARMILLES #18~30).
 - <2.2> BOTTOM : MATTE (CHARMILLES #12~27).

3. ALL DIMENSIONS EXCLUDING MOLD FLASHES AND END FLASH FROM THE PACKAGE BODY SHALL NOT EXCEED 0.25MM (<010°) PER SIDE<D>.
- △ DETAIL OF PIN #1 IDENTIFIER ARE OPTIONAL BUT MUST BE LOCATED WITHIN THE ZONE INDICATED.
- △ EXPOSED PAD FEATURE IS PRESENT ON VARIATIONS DESIGNATED WITH "-EP"
6. REFERENCE TO JEDEC MS-012.


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REV	POS	DESCRIPTION	DATE	BY	APPD
J	---	DRAFT ANGLE 9±2° BOTTOM VDI #12~27	2008-10-07	SH 100	
I	---	ADD 8LD EP	2008-10-08	SH 100	
H	---	ADD PIN ONE AREA	2008-10-08	SH 100	

DWG NO	PKGS00001
TOLERANCES (INCH/MM)	FINISHING
FRACTION	
DECIMALS	SYMBOL
±	
XXX	
XXXX	

REV	J	SCALE	NTS
ORIGINATOR			
REQUESTOR			
TOOLING DEPT MANAGER			
ENGINEERING MANAGER			
QA DEPT MANAGER			
CTC DESIGN DEPT MANAGER			



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TITLE SOIC 8-14-16LD
 NARROW BODY
 PACKAGE OUTLINE
 REF NO : CUSTOMER SPECIFICATION
 SHEET NO : 3 OF 3