



January 22, 2008

Dear Valued Exar Corporation Customer,

This letter and attached Product Change Notification (PCN 07-1102-06a) are to inform you of changes to products packaged in the 100 lead LQFP and 80 lead MQFP packages (a list of all impacted products is included in the attached PCN).

Assembly of certain products packaged in the 100 lead LQFP package is transferring from assembly subcontractor, Carsem, to Unisem's Batam plant (formerly AIT)

In addition, assembly of certain products packaged in the 80 lead MQFP package at Carsem will be assembled in the 80 lead LQFP package at Unisem's Batam plant (formerly AIT).

Dimensioned drawings of both packages are attached.

However, the following table highlights two main differences between MQFP and LQFP:

- Package thickness
- Lead length

The package code for ordering parts will change from "F" (MQFP) to "M" (LQFP) for 80ld

80 LEAD		CARSEM - MQFP			Unisem (formerly AIT@ Batam) - LQFP		
	Denote	MIN (mm)	NOM (mm)	MAX (mm)	MIN (mm)	NOM (mm)	MAX (mm)
1	<i>Total thickness</i>			<i>2.45</i>	--	--	<i>1.60</i>
2	Pkg bottom to seating plane	0.00		0.25	0.05	--	0.15
3	<i>Package thickness</i>	<i>1.80</i>	<i>2.00</i>	<i>2.20</i>	<i>1.35</i>	<i>1.40</i>	<i>1.45</i>
4	Lead width	0.22	--	0.40	0.22	0.32	0.38
5	Lead thickness	0.11	--	0.23	0.09	--	0.20
6	<i>Total package length (foot to foot)</i>		<i>17.20 BSC</i>			<i>16.00 BSC</i>	
7	Package BODY length		14.00 BSC			14.00 BSC	
8	<i>Total package width (foot to foot)</i>		<i>17.20 BSC</i>			<i>16.00 BSC</i>	
9	Package BODY width		14.00 BSC			14.00 BSC	
10	Lead pitch		0.65 BSC			0.65 BSC	
11	<i>Bend lead length</i>	<i>0.73</i>	<i>0.88</i>	<i>1.03</i>	<i>0.45</i>	<i>0.60</i>	<i>0.75</i>
12	<i>Total lead length (from pkg body to end of foot)</i>		<i>1.60 REF (L2)</i>			<i>1.00 REF (L1)</i>	

Red italic font - denotes dimension differences between MQFP and LQFP
 Black font - same dimensions/within spec between MQFP and LQFP

If you have any questions about these changes, please contact:

Melissa Lee

510-668-7887

melissa.lee@exar.com

in Exar's Packaging Engineering department in Fremont, CA, USA.

Sincerely,

Gregory J. West
 Quality Manager
 Exar Corporation



PRODUCT CHANGE NOTICE

PART NUMBER(S): Please see attached list of impacted products.		PCN No.: 07-1102-06a
		DATE: January 8, 2008
LEVEL OF CHANGE: <input checked="" type="checkbox"/> Level I, Customer Approval. <input type="checkbox"/> Level II, Customer Information.		
PRODUCT ATTRIBUTE AFFECTED: <input type="checkbox"/> Material Change <input type="checkbox"/> Data Sheet Change <input type="checkbox"/> Design Change <input type="checkbox"/> Package Change <input type="checkbox"/> Process Change <input type="checkbox"/> Packing / Shipping <input checked="" type="checkbox"/> Other, Explain: Change in assembly subcontractor.		
DESCRIPTION OF CHANGE: Change of assembly subcontractor for all Sipex part numbers packaged in the 100 lead LQFP packages from Carsem to Unisem's Batam plant (formerly AIT), and conversion of all Sipex part number in 80 lead MQFP packages built at Carsem to 80 lead LQFP packages built at Unisem's Batam plant (formerly AIT).		
REASON FOR CHANGE: Current subcontractor, Carsem, is discontinuing the packages.		
DATE OF SAMPLES AVAILABLE: Contact Exar Corporation Customer Service.	DATE OF QUALIFICATION COMPLETED: September 30, 2008	
EARLIEST DATE OF PRODUCTION SHIPMENT COMMENCES: October 1, 2008		
<input checked="" type="checkbox"/> STANDARD DISTRIBUTION		<input type="checkbox"/> CUSTOM DISTRIBUTION
PERSON TO CONTACT WITH QUESTIONS: Fred Claussen VP Quality Assurance and Reliability Exar Corporation Phone Number: 510-668-7457 Fax Number: 510-668-7022		

PROPRIETARY INFORMATION

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PRODUCT CHANGE NOTICE

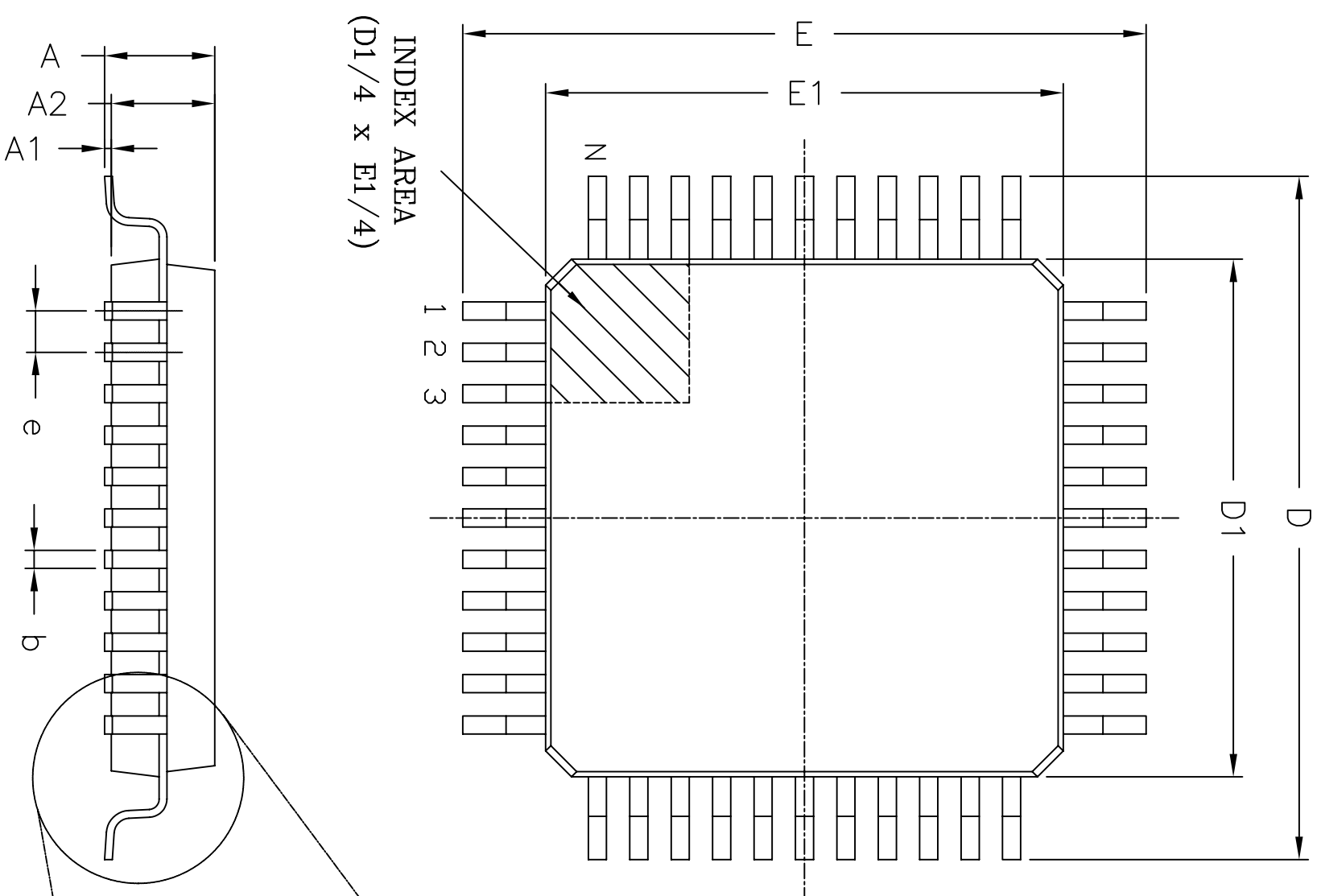
SP3508CF	SP509CF-L	SP504MCF-L/TR	SP506CF-L/TR
SP3508CF-L	SP320ACF	SP505ACF	SP507CF
SP3508CF-L/TR	SP320ACF-L	SP505ACF-1	SP507CF-L
SP3508EF	SP320CF-L	SP505ACF-2	SP514CF
SP3508EF-L	SP503CF	SP505ACF-L	SP514CF-1
SP3508EF-L/TR	SP503CF-L	SP505ACF-L/TR	SP514CF-2
SP508CF	SP503EF	SP505BCF	SP514CF-L
SP508CF/TR	SP503EF-L	SP505BCF-L	
SP508CF-L	SP504CF	SP505BCF-L/TR	
SP508EF	SP504MCF	SP505BXF	
SP508EF-L	SP504MCF-2	SP506CF	
SP509CF	SP504MCF-L	SP506CF-L	

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REVISION HISTORY				
REV.	DISCRPTION	DATE	APP'D	
A	DRAWING ORIGINATION	05/03/06	JL	
B	CHANGE DRAWING LOGO AND COMPANY NAME	11/28/07	JL	

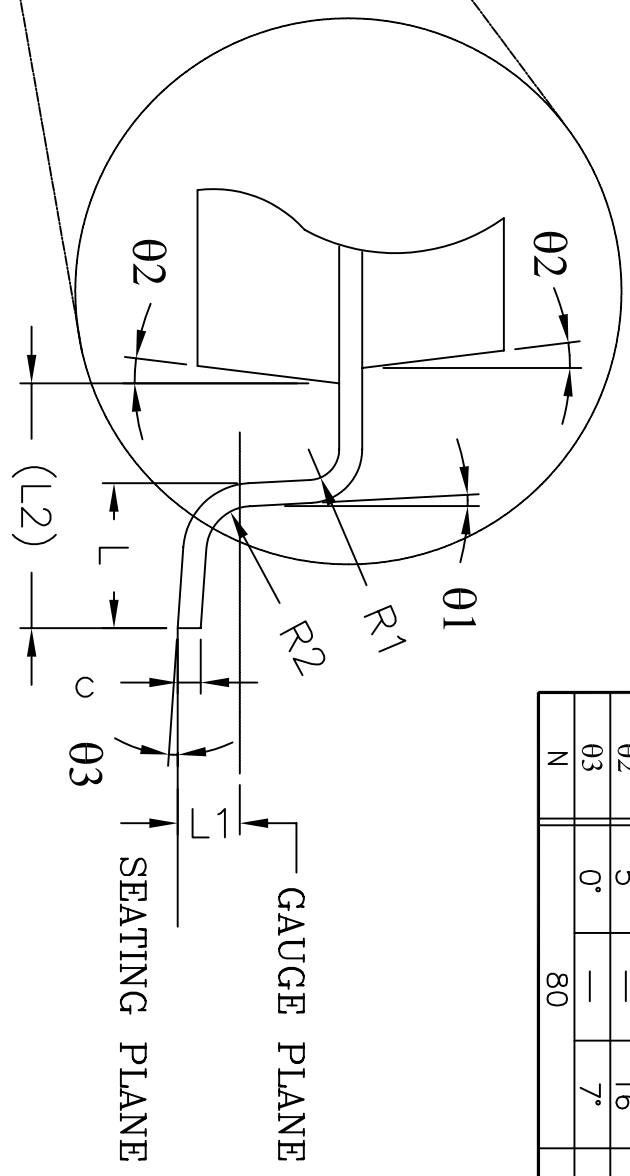
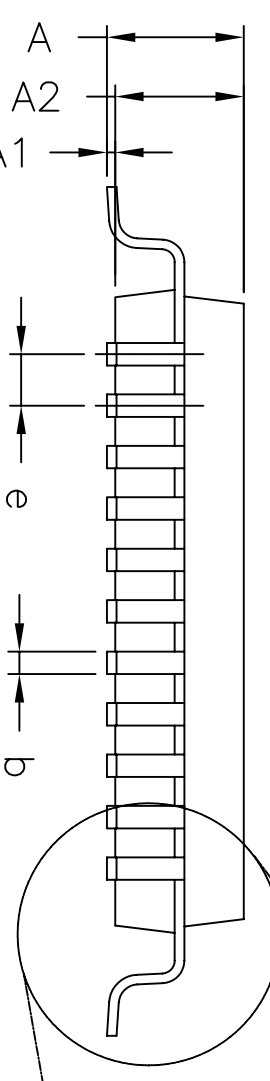
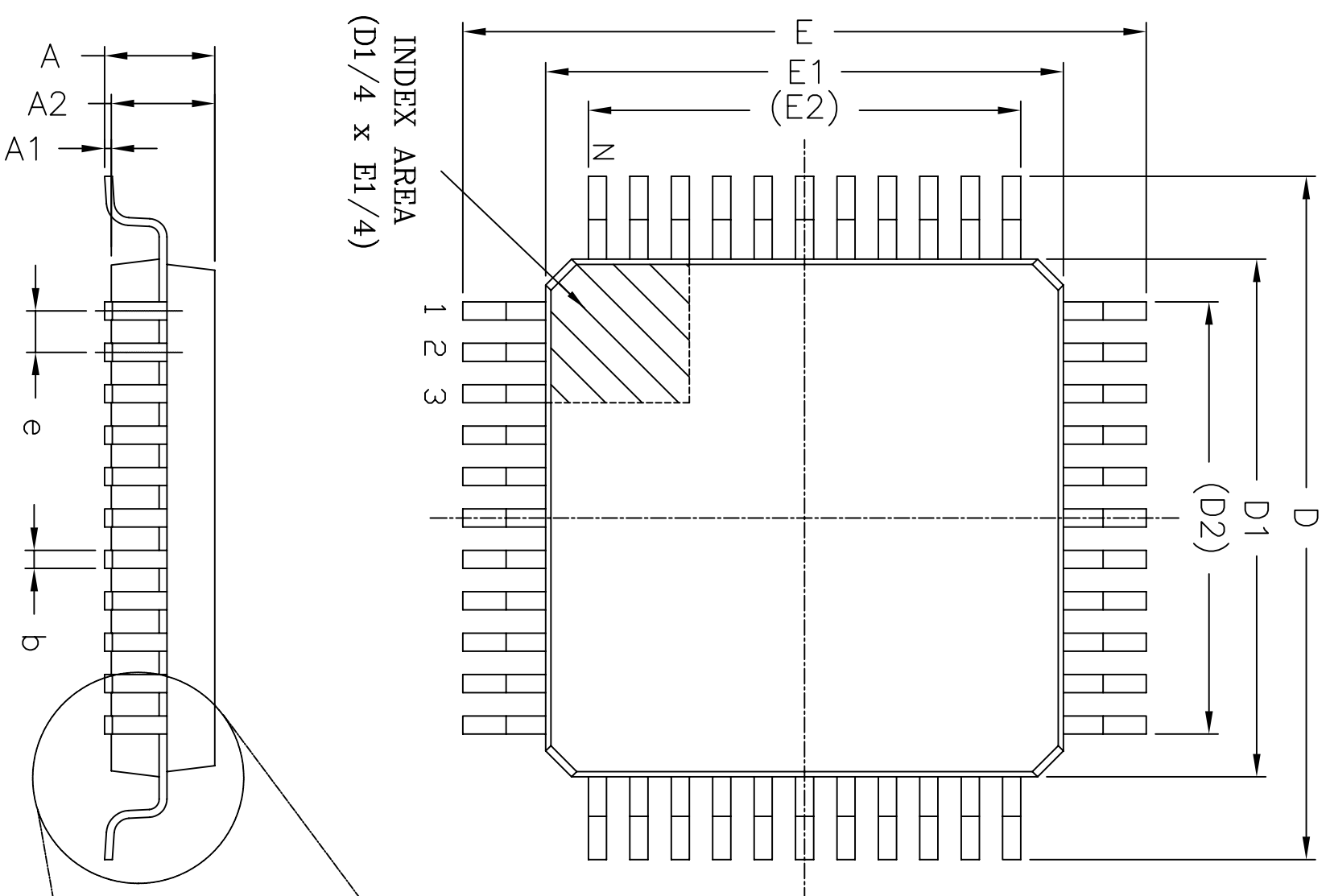
80 Pin LQFP JEDEC MS-026 Variation BEC				
SYMBOLS	DIMENSIONS IN MM (Control Unit)		DIMENSIONS IN INCH (Reference Unit)	
	MIN	NOM	MIN	NOM
A	—	1.60	—	0.063
A1	0.05	—	0.002	—
A2	1.35	1.40	0.053	0.055
b	0.22	0.32	0.009	0.013
c	0.09	—	0.004	—
D	16.00 BSC			
D1	14.00 BSC			
E	16.00 BSC			
E1	14.00 BSC			
e	0.65 BSC			
L	0.45	0.60	0.018	0.024
L1	1.00 REF			
L2	0.25 BSC			
R1	0.08	—	0.003	—
R2	0.08	—	0.003	—
θ	0°	3.5°	0°	3.5°
θ_1	0°	—	0°	—
θ_2	11°	12°	11°	12°
N	80			



		EXAR CORPORATION	
Packaging Approval:		Drawing No: 80-PIN LQFP	
By: JL	Date: 11/28/07	Revision: B	Sheet: 1 OF 1

REVISION HISTORY			
REV.	DISCRIPTION	DATE	APP'D
A	DRAWING ORIGINATION	05/03/06	JL
B	CHANGE DRAWING LOGO AND COMPANY NAME	11/28/07	JL

80 Pin MQFP JEDEC MS-022 Variation BC						
SYMBOLS	DIMENSIONS IN MM (Control Unit)			DIMENSIONS IN INCH (Reference Unit)		
	MIN	NOM	MAX	MIN	NOM	MAX
A	—	—	2.45	—	—	0.096
A1	0.00	—	0.25	0.000	—	0.010
A2	1.80	2.00	2.20	0.071	0.079	0.087
b	0.22	—	0.40	0.009	—	0.016
c	0.11	—	0.23	0.004	—	0.009
D	17.20 BSC			0.677 BSC		
D1	14.00 BSC			0.551 BSC		
D2	12.35 REF			0.486 REF		
E	17.20 BSC			0.677 BSC		
E1	14.00 BSC			0.551 BSC		
E2	12.35 REF			0.486 REF		
e	0.65 BSC			0.026 BSC		
L	0.73	0.88	1.03	0.029	0.035	0.041
L1	0.25 BSC			0.010 BSC		
L2	1.60 REF			0.063 REF		
R1	0.13	—	—	0.005	—	—
R2	0.13	—	0.30	0.005	—	0.012
θ1	0°			0°		
θ2	5°			5°		
θ3	0°			0°		
N	80			80		



		EXAR CORPORATION	
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