






# Product Marking

	TITLE: PRODUCT PACKAGE MARKING FORMATS					MODEL:	
	ENG: KEG	DWN: keg	DATE: 03/28/06	SH: 1 OF: 17	DWG NO: OFFL133	REV: G	DATE: 112216

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	TITLE: PRODUCT PACKAGE MARKING FORMATS					MODEL:	
	ENG: KEG	DWN: keg	DATE: 03/28/06	SH: OF: 2 17	DWG NO: OFFL133	REV: G	DATE: 112216

PACKAGE DESCRIPTION	PACKAGE CHARACTER DESIGNATION
7-Pin DPAK, Surface Mount	CC
7-Pin TO220	CD
8-Pin TO3	CE
Modular 30-Pin DIP, 1.3 Spacing	CL
JEDEC MO-127, 60-Mil Pin	CR
JEDEC MO-127, 60-Mil Pin, Copper	CU
7-Pin TO220, Staggered Leads	CX
12-Pin Power Dip, High Voltage	CW
JEDEC MO-127, High Voltage	DC
10-Pin Power Dip, 60-Mil Pin	DE
24-Pin PSOP (JEDEC MO-166)	DF
20-Pin PSOP (JEDEC MO-166)	DK
12-Pin Power SIP	DP
8-Pin Power SIP	DQ
7-Pin SIP	DR
10-Pin Ceramic SIP	DW
8-Pin PSIP, 90° Formed Leads	EC
12-Pin PSIP, 90° Formed Leads	EE
18-Pin DIP, 25-Mil Pin	EL
11-Pin ZIP	EN
8-Pin PSIP, Gull Wing Leads	EP
12-Pin Molded Plastic SIP	EU
Modular 42-Pin DIP, 1.3 Spacing	FC
Modular 34-Pin DIP, 1.3 Spacing	FD
10-Pin Power SIP	FL
10-Pin PSIP, 90° Formed Leads	FU
8-pin DIP SMT Long	GD
14-pin DIP SMT	GE
8-pin DIP SMT Short	GF
14-pin Hermetic Ceramic DIP	HC
20-lead Ceramic LCC	HD
44-Pin HSOP Slug Down (JEDEC MO-166)	HR
44-Pin HSOP Slug Up (JEDEC MO-166)	HU
Modular 58-Pin DIP, 2.3 Spacing	KC
8-pin DIP	KD
42-Pin Modular DIP, 1.4 Spacing	KF

	TITLE: PRODUCT PACKAGE MARKING FORMATS					MODEL:	
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- CE PACKAGE (TO-3)
- CW PACKAGE (12-PIN DIP, HIGH VOLTAGE)
- DC, DD, CR, CU PACKAGE (MO-127 SERIES)
- DE PACKAGE (10-PIN DIP SERIES)
- EL PACKAGE (DIP SERIES)

NOTE : Line three supports the CE package only. Line three on all other packages may have the line removed completely and/or left as an open space.

PA12M/883 \_\_\_\_\_ **Line 1**  
 \_\_\_\_\_ **Line 2**  
 5962-XXXXXXXXXX \_\_\_\_\_ **Line 3**  
 8A603 Q 0337 \_\_\_\_\_ **Line 4**  
 △ USA BeO \_\_\_\_\_ **Line 5**  
 60024 \_\_\_\_\_ **Line 6**

**LINE 1**  
 SMD\* Parts: Apex Model Number  
 Standard Parts: Apex Model Number  
 Custom Parts: Blank

**LINE 2**  
 All Parts: APEX Logo

**LINE 3**  
 SMD Parts: DSCC SMD Part Number  
 Standard Parts: Blank  
 Custom Parts: Apex Model Number

**LINE 4**  
 All Parts: Lot Code      Compliance Indicator      Date Code

↓  
8A603

↓  
 Q  
 Q = DSCC QML Compliant  
 CH = MIL-H-38534 Compliant  
 None = Not Compliant

↓  
0337  
 2003    Work Week 37

**LINE 5**  
 All Parts: ? USA


↓  
 ESD & Pin 1  
 Identifier

↓  
 △ USA  
 ESD & Pin 1  
 Identifier

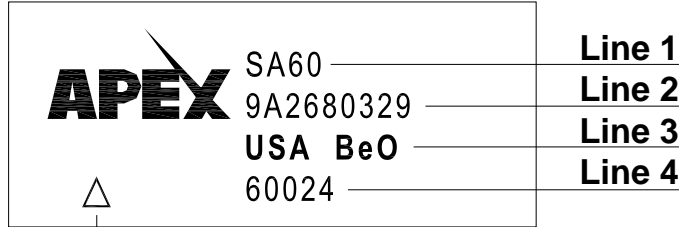
↓  
 BeO  
 BeO  
 Identifier

**LINE 6**  
 All Parts: 60024 = APEX CAGE Code

\* SMD = Standardized Military Drawing

	<b>TITLE: PRODUCT PACKAGE MARKING FORMATS</b>					<b>MODEL:</b>	
	ENG: KEG	DWN: keg	DATE: 03/28/06	SH:    OF: 4    17	DWG NO: OFFL133	REV: G	DATE: 112216

DN, DP, DQ, DR, EC, ED, EE, EP, ET,EW,EX FL, FP, FU, GL,GN PACKAGE (HYBRID SIP SERIES)



ESD & Pin 1 Identifier

**LINE 1**

Standard Parts: Apex Model Number  
 Custom Parts: Blank

**LINE 2**

All Parts: Lot Code

8A603

Date Code

0337

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**LINE 3**

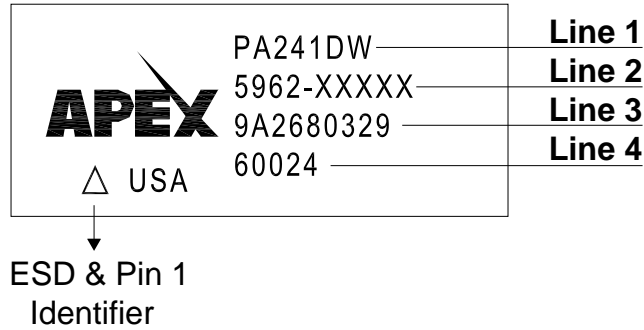
Made in U.S.A., BeO Identifier

**LINE 4**

All Parts: 60024 = APEX CAGE Code

	TITLE: PRODUCT PACKAGE MARKING FORMATS					MODEL:	
	ENG: KEG	DWN: keg	DATE: 03/28/06	SH: 5	OF: 17	DWG NO: OFFL133	REV: G

DW PACKAGE (HERMETIC SIP)



**LINE 1**  
 Standard Parts: Apex Model Number  
 Custom Parts: Blank

**LINE 2**  
 Standard Parts: Blank  
 Custom Parts: Apex Model Number

**LINE 3**  
 All Parts: Lot Code      Date Code

↓

8A603

↓

0329

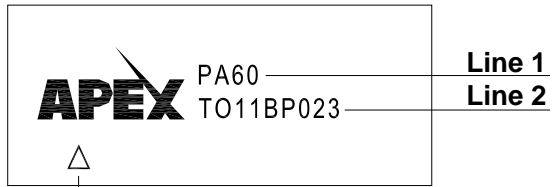
↙      ↘

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**LINE 4**  
 All Parts: 60024 = APEX CAGE Code

	TITLE: PRODUCT PACKAGE MARKING FORMATS					MODEL:	
	ENG: KEG	DWN: keg	DATE: 03/28/06	SH: OF: 6 17	DWG NO: OFFL133	REV: G	DATE: 112216

EU, PACKAGE (MONOLITHIC SIP)

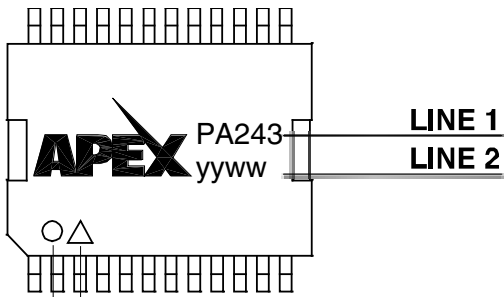


ESD & Pin 1 Identifier

**LINE 1**  
Apex Model Number

**LINE 2**  
Lot Code

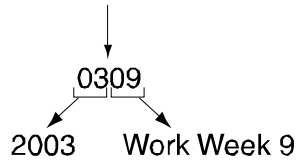
DF PACKAGE (24 PIN PSOP)




Pin 1 Identifier      ESD Identifier

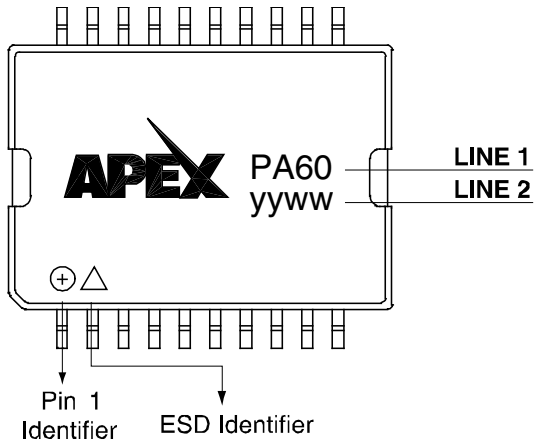
**LINE 1**  
Apex Model Number

**LINE 2**  
All Parts: Date Code



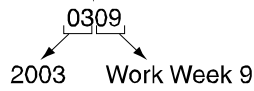
	TITLE: PRODUCT PACKAGE MARKING FORMATS					MODEL:	
	ENG: KEG	DWN: keg	DATE: 03/28/06	SH: 7	OF: 17	DWG NO: OFFL133	REV: G

DK PACKAGE (20 PIN PSOP)

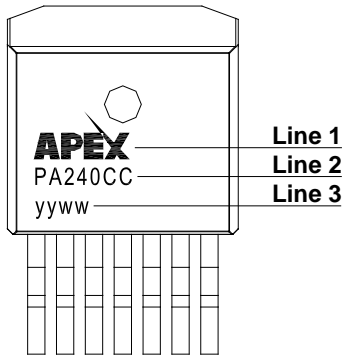


**LINE 1**  
Apex Model Number

**LINE 2**  
All Parts: Date Code



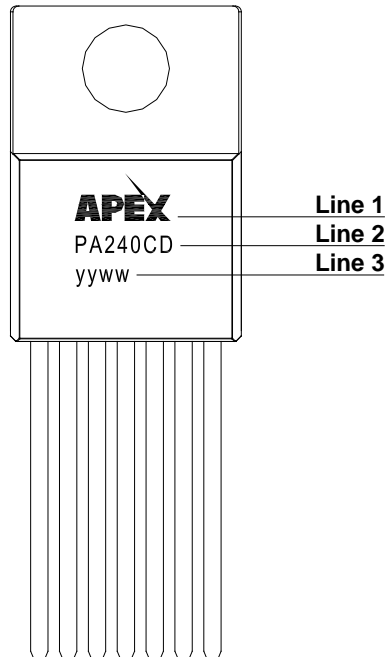
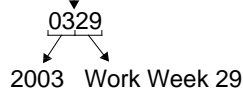
CC PACKAGE (7DDPAK)  
CD, CX PACKAGE (7T0-220)



**LINE 1**  
Apex Logo

**LINE 2**  
Apex Part Number

**LINE 3**  
All Parts: Date Code

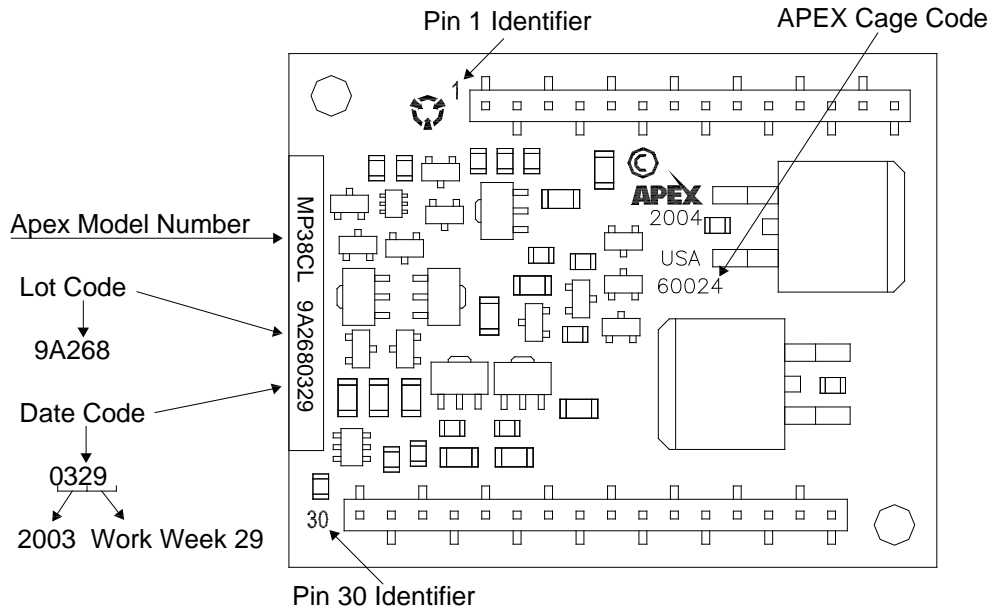


**Line 1**  
**Line 2**  
**Line 3**

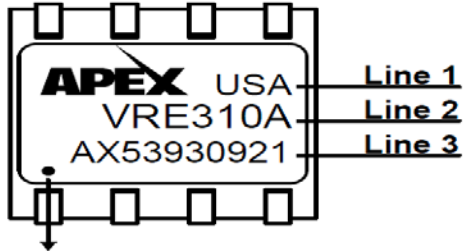
	TITLE: PRODUCT PACKAGE MARKING FORMATS					MODEL:	
	ENG: KEG	DWN: keg	DATE: 03/28/06	SH: 8	OF: 17	DWG NO: OFFL133	REV: G



CL PACKAGE (30-Pin DIP, 1.3 Spacing)



GD, GF Package (8 pin DIP SMT)  
 KD Package (8 pin DIP)



Pin 1 Identifier


**Line 1**  
 Made in U.S.A.

**Line 2**  
 Standard Parts: Apex Part Number  
 Custom Parts: Blank

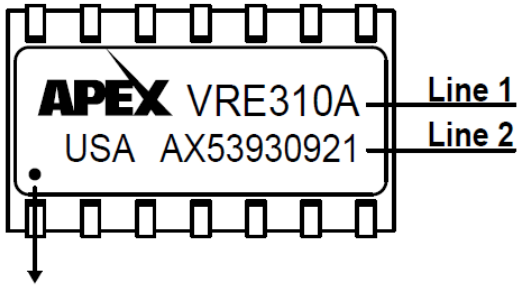
**Line 3**  
 All Parts: Lot Code      Date Code

AX5393      0921

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	TITLE: PRODUCT PACKAGE MARKING FORMATS					MODEL:	
	ENG: KEG	DWN: keg	DATE: 03/28/06	SH: 9	OF: 17	DWG NO: OFFL133	REV: G

GE Package (14 pin DIP SMT)



Pin 1 Identifier

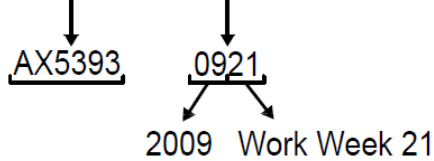
**Line 1**


Standard Parts: Apex Part Number

Custom Parts: Blank

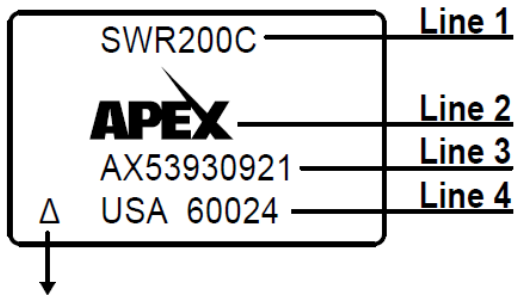
**Line 2**

Made in U.S.A. Lot Code Date Code



	TITLE: PRODUCT PACKAGE MARKING FORMATS					MODEL:	
	ENG: KEG	DWN: keg	DATE: 03/28/06	SH: 10 OF: 17	DWG NO: OFFL133	REV: G	DATE: 112216

HC Package (14 pin Hermetic DIP)



ESD & Pin 1  
Identifier

**Line 1**

Standard Parts: Apex Part Number  
Custom Parts: Blank

**Line 2**

All Parts: Apex Logo

**Line 3**

All Parts: Lot Code

Date Code

AX5393

0921

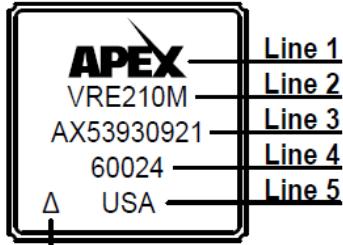
2009 Work Week 21

**Line 4**

Made in U.S.A., 60024 = APEX CAGE Code

	TITLE: PRODUCT PACKAGE MARKING FORMATS					MODEL:	
	ENG: KEG	DWN: keg	DATE: 03/28/06	SH: 11	OF: 17	DWG NO: OFFL133	REV: G

HD Package (20 pin Ceramic LCC)



Pin 1 Identifier

### Line 1

All Parts: Apex Logo

### Line 2

Standard Parts: Apex Part Number

Custom Parts: Blank

### Line 3

All Parts: Lot Code

Date Code

↓  
AX5393

↓  
0921  
↙ ↘  
2009 Work Week 21

### Line 4

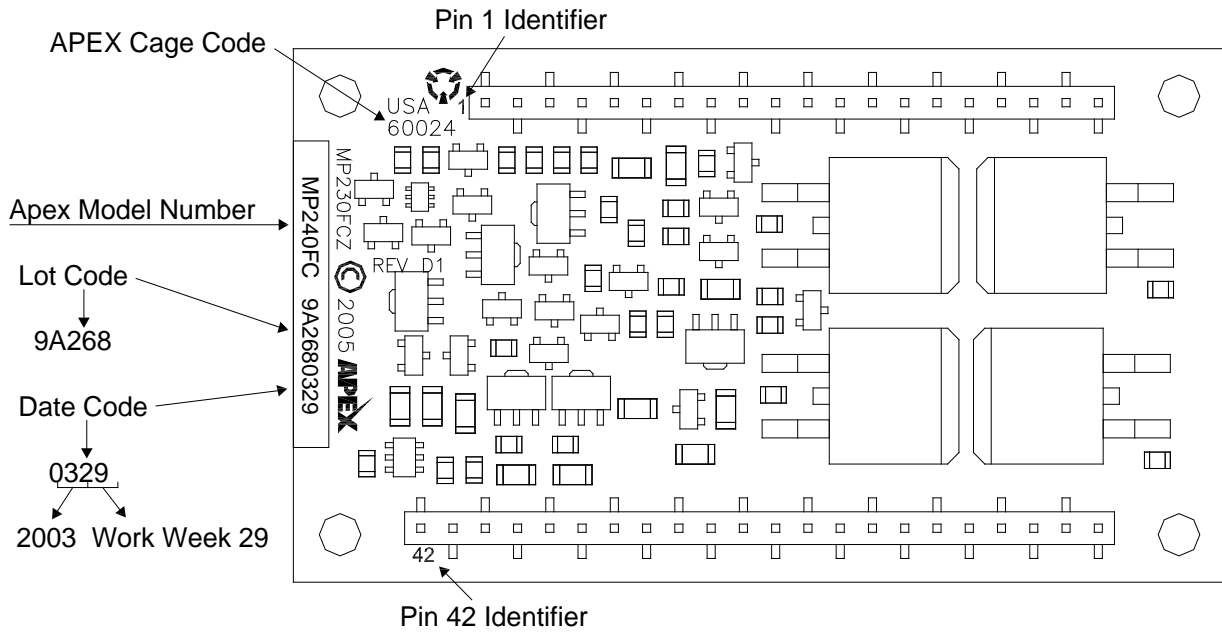
All Parts: 60024 = APEX CAGE Code

### Line 5

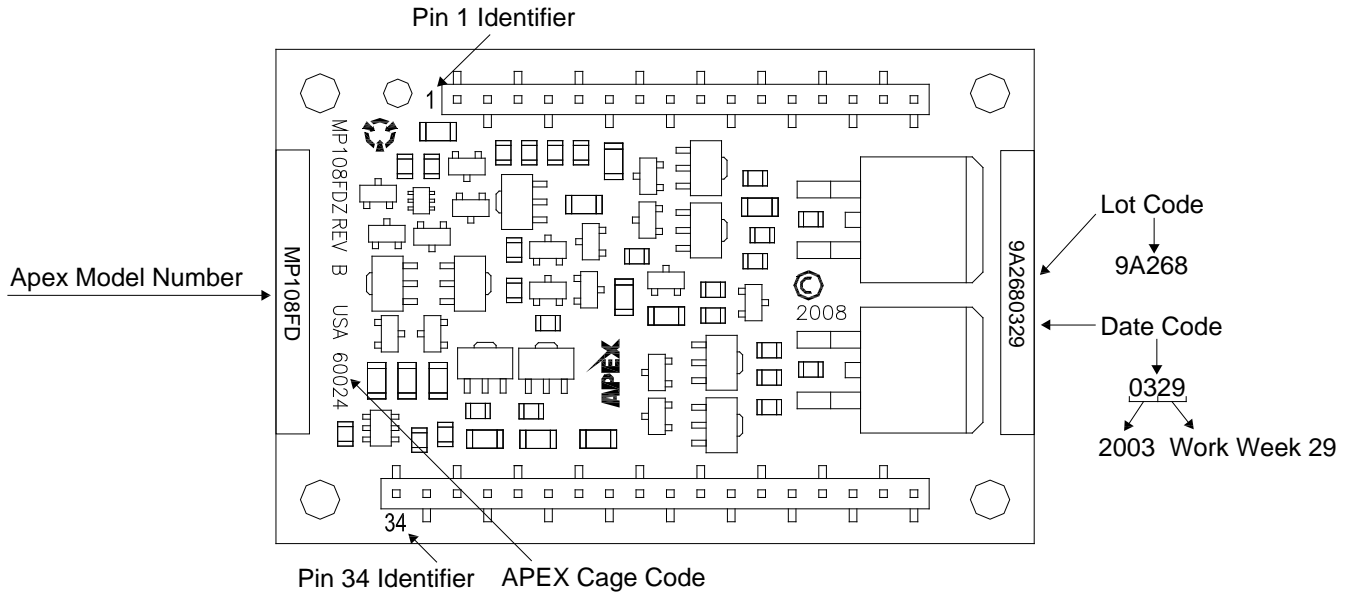
Made in U.S.A.


	TITLE: PRODUCT PACKAGE MARKING FORMATS					MODEL:	
	ENG: KEG	DWN: keg	DATE: 03/28/06	SH: 12 OF: 17	DWG NO: OFFL133	REV: G	DATE: 112216

FC PACKAGE

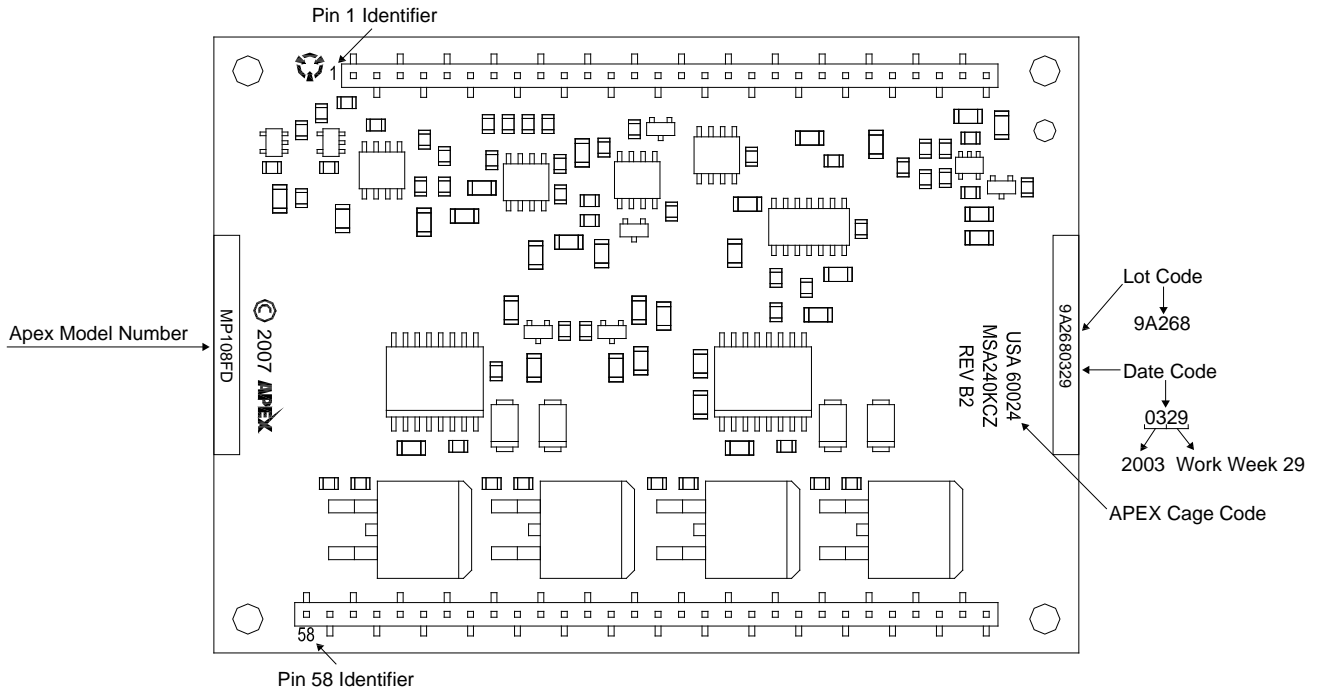


FD PACKAGE




	TITLE: PRODUCT PACKAGE MARKING FORMATS					MODEL:	
	ENG: KEG	DWN: keg	DATE: 03/28/06	SH: 13	OF: 17	DWG NO: OFFL133	REV: G

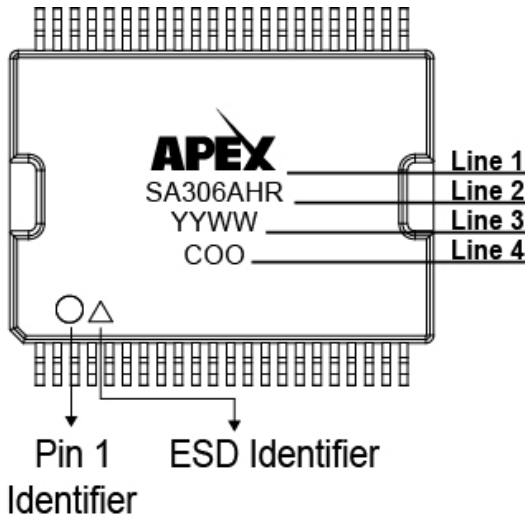
KC PACKAGE



NOTE: - CD20 Marking: Apex Model Number includes the LotCode and Date Code.

	TITLE: PRODUCT PACKAGE MARKING FORMATS					MODEL:	
	ENG: KEG	DWN: keg	DATE: 03/28/06	SH: 14	OF: 17	DWG NO: OFFL133	REV: G

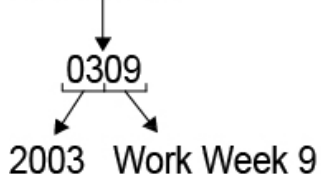
HR 44-Pin HSOP Slug Down (JEDEC MO-166)




**Line 1**  
Apex Logo

**Line 2**  
Apex Part Number

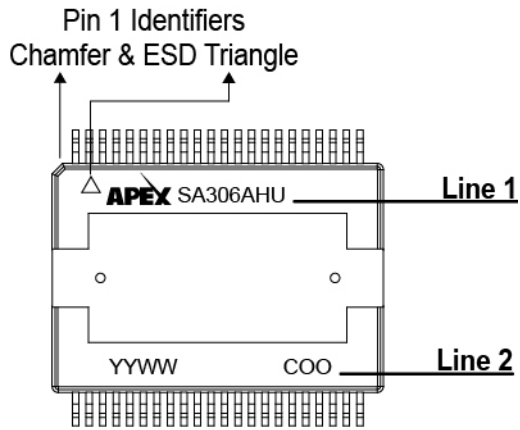
**Line 3**  
Date Code



**Line 4**  
Country of Origin

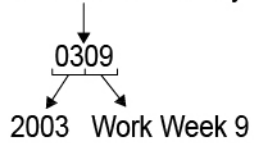
	TITLE: PRODUCT PACKAGE MARKING FORMATS					MODEL:	
	ENG: KEG	DWN: keg	DATE: 03/28/06	SH: 15	OF: 17	DWG NO: OFFL133	REV: G

HU 44-Pin HSOP Slug Up (JEDEC MO-166)



**Line 1**  
Apex Part Number

**Line 2**  
Date Code, Country of Origin

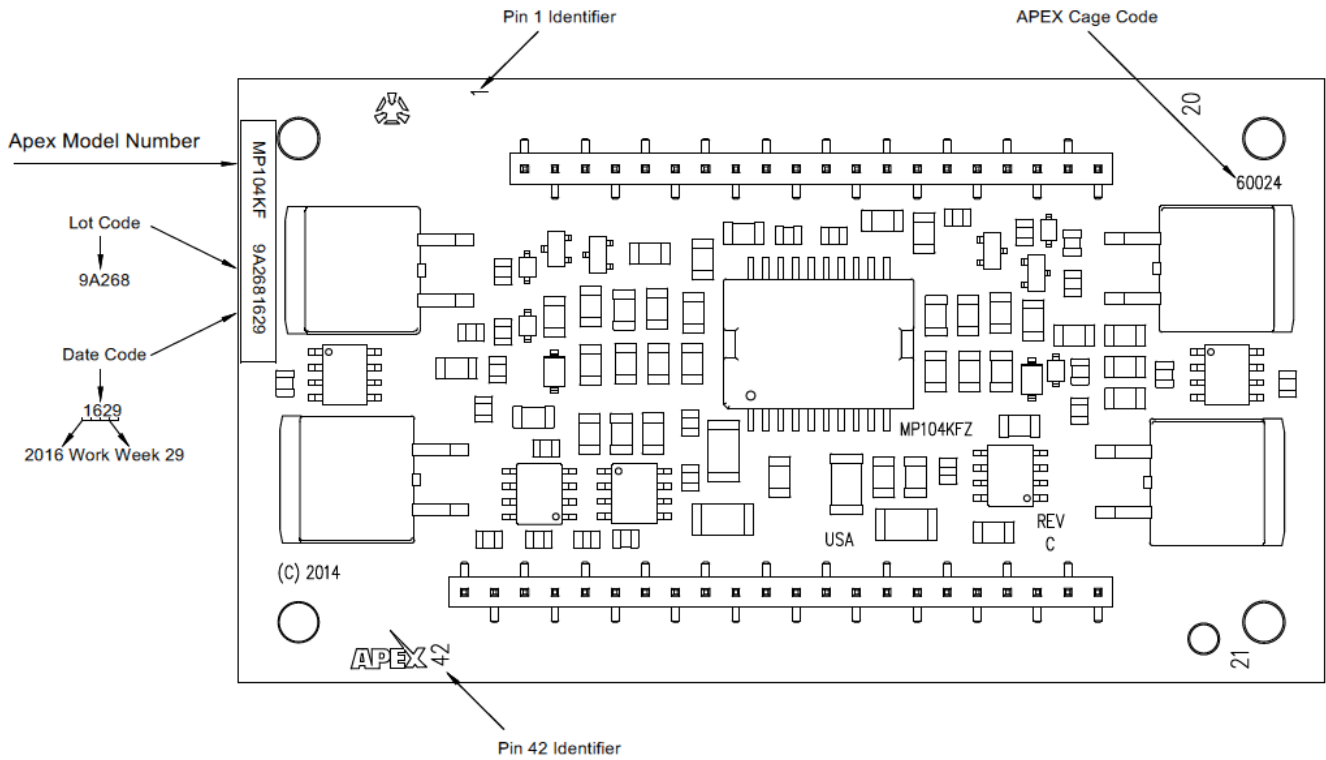



	TITLE: PRODUCT PACKAGE MARKING FORMATS					MODEL:	
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# KF -42-Pin Modular DIP, 1.4 Spacing

## KF PACKAGE



	TITLE: PRODUCT PACKAGE MARKING FORMATS					MODEL:	
	ENG: KEG	DWN: keg	DATE: 03/28/06	SH: 17	OF: 17	DWG NO: OFFL133	REV: G