

128K x 8 SRAM

WITH CHIP & OUTPUT ENABLE

AVAILABLE AS MILITARY SPECIFICATIONS

- SMD 5962-89598
- MIL-STD-883

FEATURES

- Access Times: 12, 15, 20, 25, 35, 45, 55 and 70 ns
- Battery Backup: 2V data retention
- Low power standby
- High-performance, low-power CMOS process
- Single +5V ($\pm 10\%$) Power Supply
- Easy memory expansion with CE\ and OE\ options.
- All inputs and outputs are TTL compatible

OPTIONS

• Timing

- 12ns access
- 15ns access
- 20ns access
- 25ns access
- 35ns access
- 45ns access
- 55ns access
- 70ns access

MARKING

- 12 (IT only)
- 15
- 20
- 25
- 35
- 45
- 55*
- 70*

• Package(s)•

Ceramic DIP (400 mil)	C	No. 111
Ceramic DIP (600 mil)	CW	No. 112
Ceramic LCC	EC	No. 207
Ceramic LCC	ECA	No. 208
Ceramic Flatpack	F	No. 303
Ceramic SOJ	DCJ	No. 501
Ceramic SOJ	SOJ	No. 507

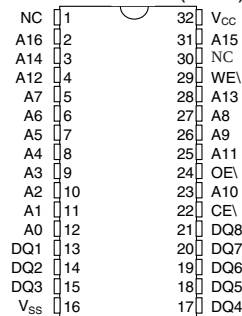
- 2V data retention/low power L

*Electrical characteristics identical to those provided for the 45ns access devices.

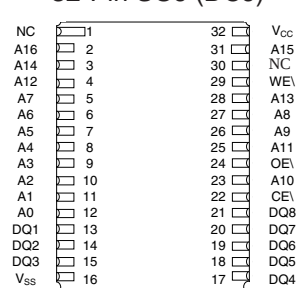
**For more products and information
please visit our web site at
www.micross.com**

PIN ASSIGNMENT (Top View)

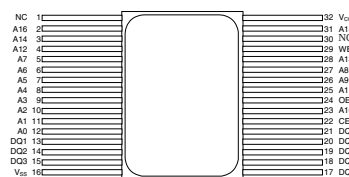
32-Pin DIP (C, CW) 32-Pin SOJ (SOJ)



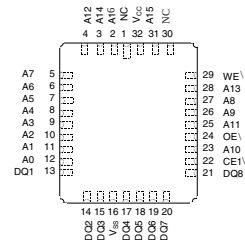
32-Pin LCC (EC) 32-Pin SOJ (DCJ)



32-Pin Flat Pack (F)



32-Pin LCC (ECA)



GENERAL DESCRIPTION

The MT5C1009 is a 1,048,576-bit high-speed CMOS static RAM organized as 131,072 words by 8 bits. This device uses 8 common input and output lines and has an output enable pin which operate faster than address access times during READ cycle.

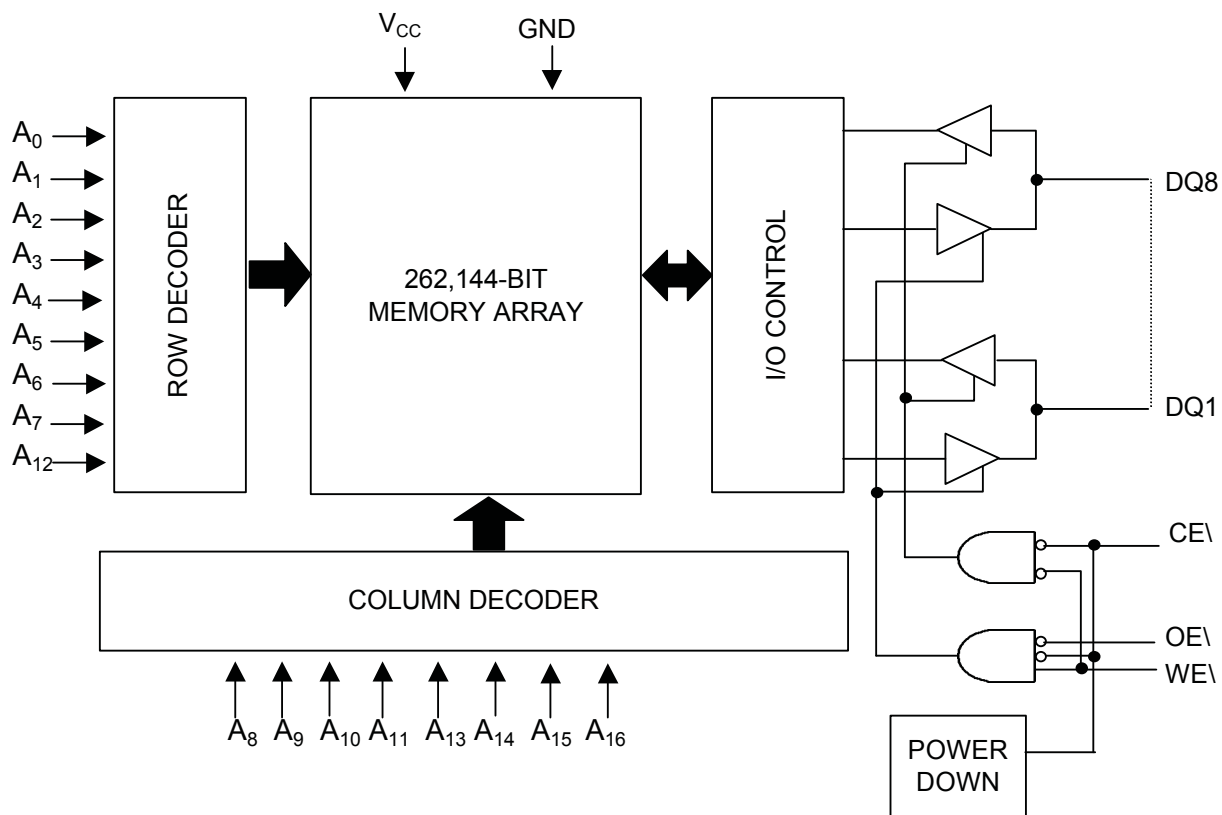
For design flexibility in high-speed memory applications, this device offers chip enable (CE\) and output enable (OE\) features. These enhancements can place the outputs in High-Z for additional flexibility in system design.

Writing to these devices is accomplished when write enable (WE\) and CE\ inputs are both LOW. Reading is accomplished when WE\ remains HIGH and CE\ and OE\ go LOW. The devices offer a reduced power standby mode when disabled, allowing system designs to achieve low standby power requirements.

The "L" version offers a 2V data retention mode, reducing current consumption to 2mW maximum.

All devices operate from a single +5V power supply and all inputs and outputs are fully TTL compatible. It is particularly well suited for use in high-density, high-speed system applications.

FUNCTIONAL BLOCK DIAGRAM



NOTE: The two least significant row address bits (A8 and A6) are encoded using gray code.

TRUTH TABLE

CE\	WE\	OE\	MODE	I/O PIN	SUPPLY CURRENT
H	X	X	Not Selected	High-Z	I_{SBT2} , I_{SBC2}
X	X	X	Not Selected	High-Z	I_{SBT2} , I_{SBC2}
L	H	H	Output Disable	High-Z	I_{CC}
L	H	L	Read	D_{OUT}	I_{CC}
L	L	X	Write	D_{IN}	I_{CC}

ABSOLUTE MAXIMUM RATINGS*

Supply Voltage Range (V _{CC}).....	-0.5V to +6.0V
Storage Temperature.....	-65°C to +150°C
Short Circuit Output Current (per I/O).....	20mA
Voltage on any Pin Relative to V _{SS}	-0.5V to +7.0V
Max Junction Temperature**.....	+150°C
Power Dissipation	1 W

*Stresses at or greater than those listed under “Absolute Maximum Ratings” may cause permanent damage to the device. This is a stress rating only and functional operation of the device at these or any other conditions above those indicated in the operation section of this specification is not implied. Exposure to absolute maximum rating conditions for extended periods will affect reliability. Refer to page 17 of this datasheet for a technical note on this subject.

** Junction temperature depends upon package type, cycle time, loading, ambient temperature and airflow, and humidity.

ELECTRICAL CHARACTERISTICS AND RECOMMENDED DC OPERATING CONDITIONS

(-55°C ≤ T_C ≤ 125°C & -45°C to +85°C; V_{CC} = 5.0V ±10%)

DESCRIPTION	CONDITIONS	SYM	MIN	MAX	UNITS	NOTES
Input High (Logic 1) Voltage		V _{IH}	2.2	V _{CC} +0.5	V	1
Input Low (Logic 0) Voltage		V _{IL}	-0.5	0.8	V	1, 2
Input Leakage Current	0V ≤ V _{IN} ≤ V _{CC}	I _{LI}	-10	10	μA	
Output Leakage Current	Output(s) disabled 0V ≤ V _{OUT} ≤ V _{CC}	I _{LO}	-10	10	μA	
Output High Voltage	I _{OH} = -4.0mA	V _{OH}	2.4		V	1
Output Low Voltage	I _{OL} = 8.0mA	V _{OL}		0.4	V	1

PARAMETER	CONDITIONS	SYM	MAX						UNITS	NOTES
			-12	-15	-20	-25	-35	-45		
Power Supply Current: Operating	CE\ ≤ V _{IL} ; OE\ = WE\ = V _{IH} , V _{CC} = MAX, f = MAX = 1/t _{RC} (MIN) Output Open (¹)L version only	I _{CCSP}	180	180	140	140	135	125	mA	3
		I _{CCLP}	180	180	140	130	125	115	mA	
Power Supply Current: Standby	CE\ ≥ V _{IH} ; All Other Inputs ≤ V _{IL} or ≥ V _{IH} , V _{CC} = MAX f = 0 Hz	I _{SBT}	25	25	25	25	25	25	mA	
		I _{SBCSP}	10	10	10	10	10	10	mA	
	CE\ ≥ V _{CC} - 0.2V; V _{CC} = MAX Inputs = V _{IH} or V _{IL} f = 0 Hz	I _{SBCLP}	10	10	10	10	10	10	mA	

CAPACITANCE

DESCRIPTION	CONDITIONS	SYM	MAX	UNITS	NOTES
Input Capacitance (A0-A16)	T _A = 25°C, f = 1MHz V _{CC} = 5V	C _I	12	pF	4
Output Capacitance		C _O	20	pF	4
Input Capacitance (CE\, WE\, OE\)		C _I	14	pF	4

ELECTRICAL CHARACTERISTICS AND RECOMMENDED AC OPERATING CONDITIONS

(Note 5) ($-55^{\circ}\text{C} \leq T_c \leq 125^{\circ}\text{C}$ & -40°C to $+85^{\circ}\text{C}$; $V_{CC} = 5.0\text{V} \pm 10\%$)

DESCRIPTION	SYMBOL	-12		-15		-20		-25		-35		-45		UNITS	NOTES
		MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX		
READ CYCLE															
READ cycle time	t _{RC}	12		15		20		25		35		45		ns	
Address access time	t _{AA}		12		15		20		25		35		45	ns	
Chip Enable access time	t _{ACE}		12		15		20		25		35		45	ns	
Output hold from address change	t _{OH}	3		3		3		3		3		3		ns	
Chip Enable to output in Low-Z	t _{LZCE}	3		3		3		3		3		3		ns	4, 6, 7
Chip disable to output in High-Z	t _{HZCE}		7		7		8		10		15		20	ns	4, 6, 7
Output Enable access time	t _{AOE}		7		7		6		10		15		20	ns	
Output Enable to output in Low-Z	t _{LZOE}	0		0		0		0		0		0		ns	4, 6, 7
Output disable to output in High-Z	t _{HZOE}		7		7		6		10		15		20	ns	4, 6, 7
WRITE CYCLE															
WRITE cycle time	t _{WC}	12		15		20		25		35		45		ns	
Chip Enable to end of write	t _{CW}	11		12		12		20		25		35		ns	
Address valid to end of write	t _{AW}	11		12		12		20		25		35		ns	
Address setup time	t _{AS}	0		0		0		0		0		0		ns	
Address hold from end of write	t _{AH}	0		0		0		0		0		0		ns	
WRITE pulse width (OE High)	t _{WP}	11		12		12		20		25		35		ns	
Data setup time	t _{DS}	8		8		10		15		20		20		ns	
Data hold time	t _{DH}	0		0		0		0		0		0		ns	
Write disable to output in Low-Z	t _{LZWE}	5		5		5		5		5		5		ns	4, 6, 7
Write Enable to output in High-Z	t _{HZWE}		7		7		9		10		15		20	ns	4, 6, 7

AC TEST CONDITIONS

Input pulse levels	V _{ss} to 3.0V
Input rise and fall times	5ns
Input timing reference levels	1.5V
Output reference levels	1.5V
Output load	See Figures 1 and 2

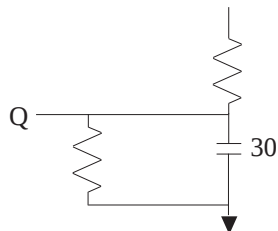


Fig. 1 Output Load Equivalent

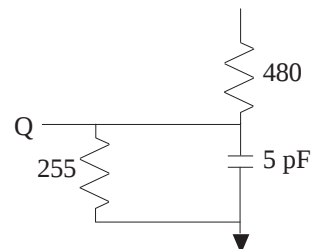


Fig. 2 Output Load Equivalent

NOTES

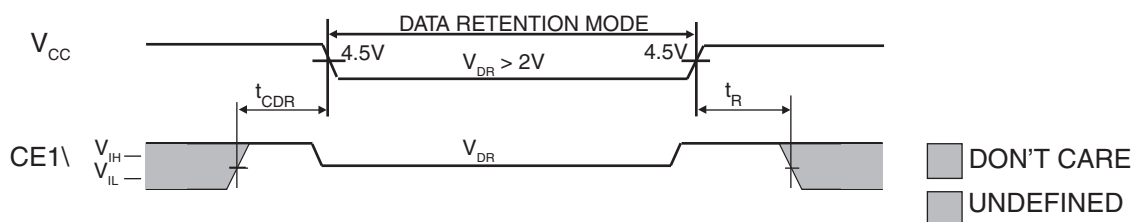
- All voltages referenced to V_{ss} (GND).
- 2V for pulse width < 20ns
- I_{CC} is dependent on output loading and cycle rates. The specified value applies with the outputs unloaded, and $f = \frac{1}{RC (MIN)}$ Hz.
- This parameter is guaranteed but not tested.
- Test conditions as specified with the output loading as shown in Fig. 1 unless otherwise noted.
- 'LZCE', 'LZWE', 'LZOE', 'HZCE', 'HZOE' and 'HZWE' are specified with CL = 5pF as in Fig. 2. Transition is measured ±200mV typical from steady state voltage, allowing for actual tester RC time constant.

- At any given temperature and voltage condition, 'HZCE' is less than 'LZCE', and 'HZWE' is less than 'LZWE' and 'HZOE' is less than 'LZOE'.
- WE\ is HIGH for READ cycle.
- Device is continuously selected. Chip enables and output enables are held in their active state.
- Address valid prior to, or coincident with, latest occurring chip enable.
- 'RC = Read Cycle Time.

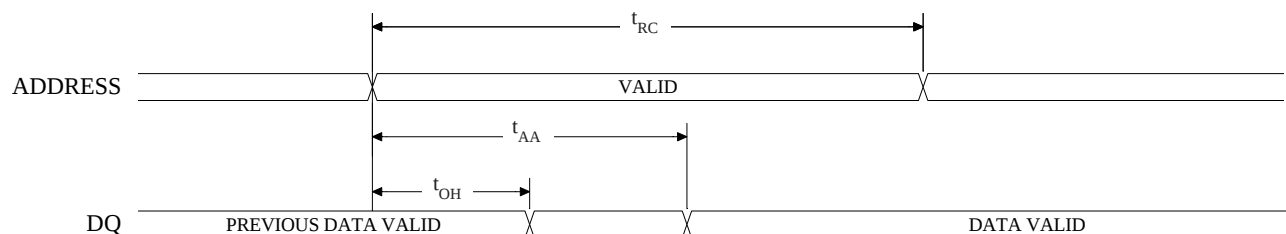
DATA RETENTION ELECTRICAL CHARACTERISTICS (L Version Only)

DESCRIPTION	CONDITIONS		SYMBOL	MIN	MAX	UNITS	NOTES
V _{CC} for Retention Data	$CE \geq (V_{CC} - 0.2V)$ $V_{IN} \geq (V_{CC} - 0.2V)$ or $\leq 0.2V$		V _{DR}	2	---	V	
Data Retention Current			I _{CCDR1} *		0.75	mA	
			I _{CCDR2}		1.0	mA	
Chip Deselect to Data Retention Time			t _{CDR}	0	---	ns	4
Operation Recovery Time			t _R	t _{RC}		ns	4, 11

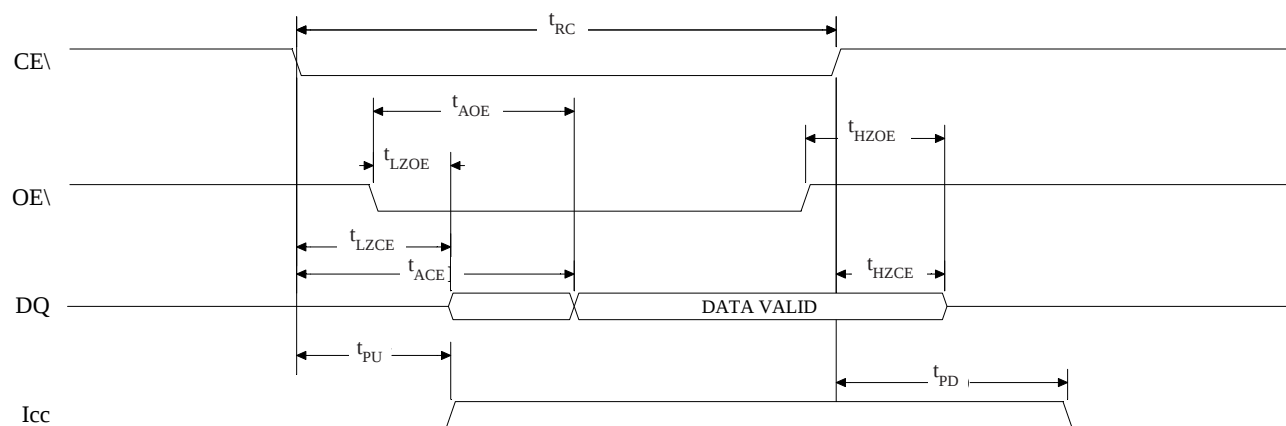
* Low Power, -20 device only

LOW V_{CC} DATA RETENTION WAVEFORM


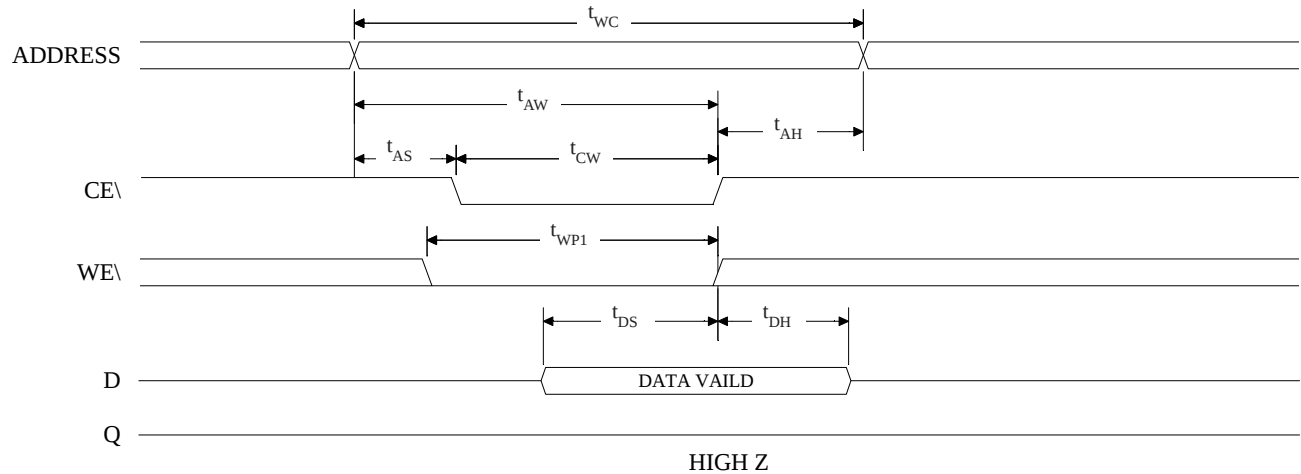
READ CYCLE NO. 1 ^{8,9}



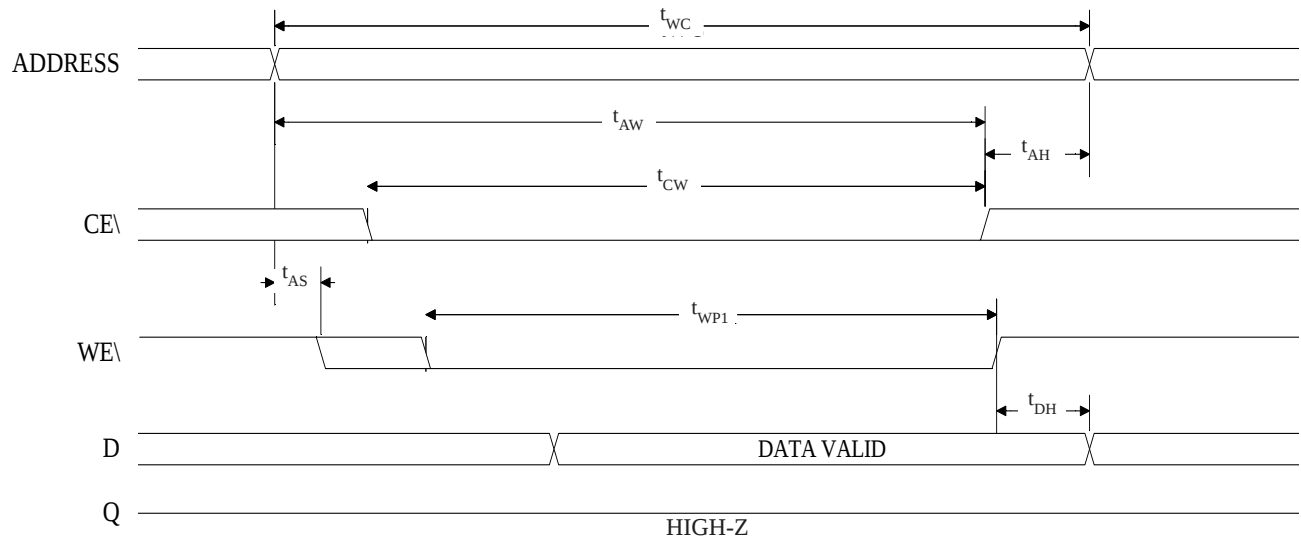
READ CYCLE NO. 2 ^{7, 8, 10, 12}



WRITE CYCLE NO. 1 ^{12, 13}
 (Chip Enabled Controlled)



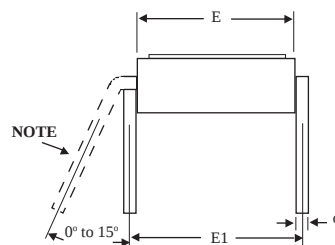
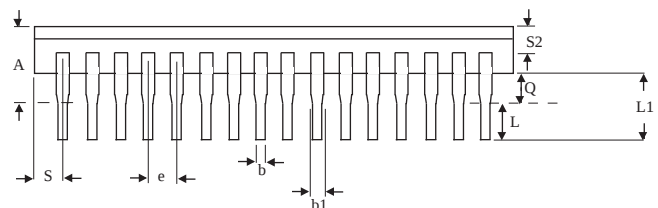
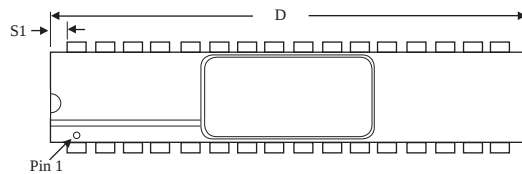
WRITE CYCLE NO. 2 ^{7, 12, 13}
 (Write Enabled Controlled)



NOTE: Output enable (OE\) is inactive (HIGH).

MECHANICAL DEFINITIONS*

**Microcross Case #111 (Package Designator C)
SMD 5962-89598, Case Outline Z**

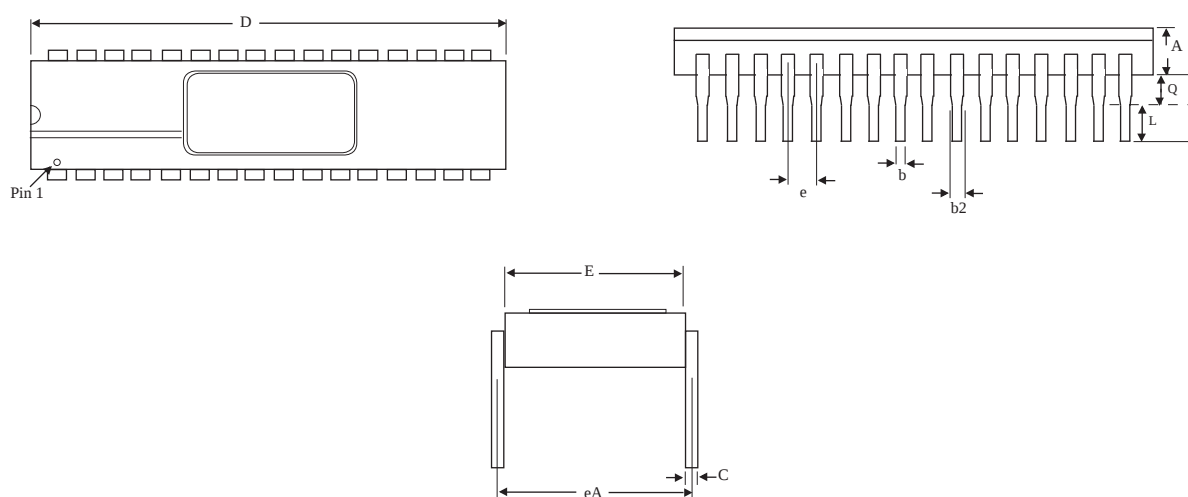


SYMBOL	SMD SPECIFICATIONS	
	MIN	MAX
A	--	0.232
b	0.014	0.023
b1	0.038	0.065
c	0.008	0.015
D	--	1.700
E	0.350	0.405
E1	0.390	0.420
e	0.100 BSC	
L	0.125	0.200
L1	0.150	--
Q	0.015	0.060
S	--	0.100
S1	0.005	--
S2	0.005	--
NOTE:	Either configuration in detail A is allowed on SMD.	

*All measurements are in inches.

MECHANICAL DEFINITIONS*

Micross Case #112 (Package Designator CW) SMD 5962-89598, Case Outline X

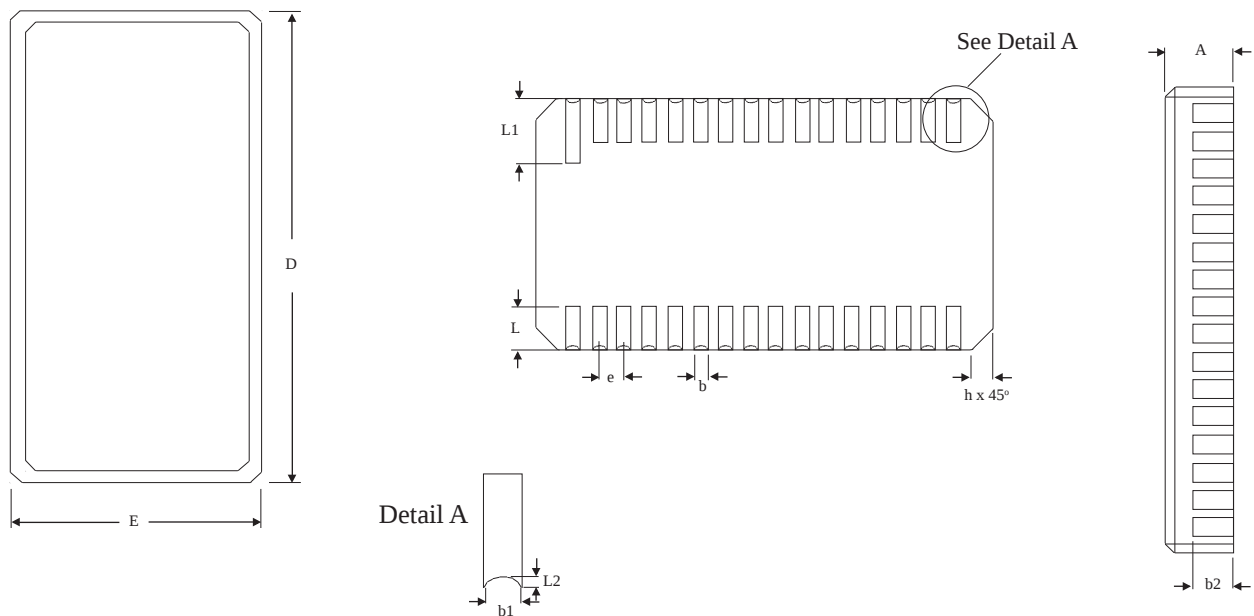


SYMBOL	SMD Specifications	
	MIN	MAX
A	0.089	0.111
b	0.016	0.020
b2	0.045	0.050
C	0.009	0.011
D	1.585	1.615
E	0.585	0.605
eA	0.600 BSC	
e	0.100 BSC	
Q	0.040	0.060
L	0.125	0.175

*All measurements are in inches.

MECHANICAL DEFINITIONS*

Micross Case #207 (Package Designator EC)
SMD 5962-89598, Case Outline U

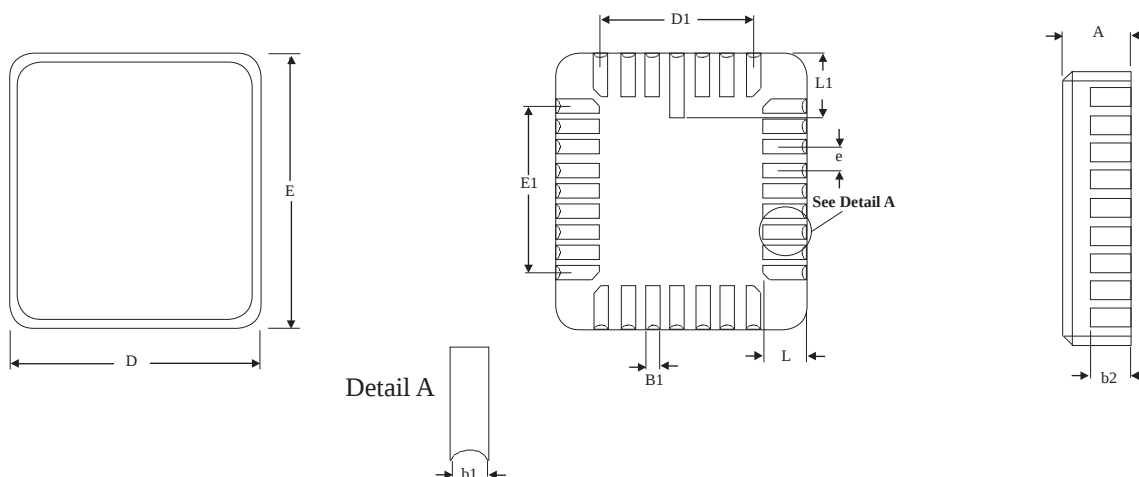


SYMBOL	SMD SPECIFICATIONS	
	MIN	MAX
A	0.080	0.100
b	0.022	0.028
b1	0.006	0.022
b2	0.040	--
D	0.800	0.840
E	0.392	0.408
e	0.050 BSC	
h	0.012 REF	
L	0.070	0.080
L1	0.090	0.110
L2	0.003	0.015

*All measurements are in inches.

MECHANICAL DEFINITIONS*

**Micross Case #208 (Package Designator ECA)
SMD 5962-89598, Case Outline M**

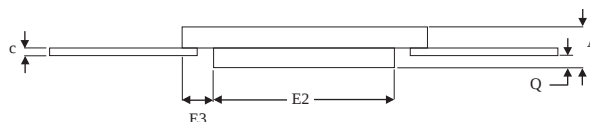
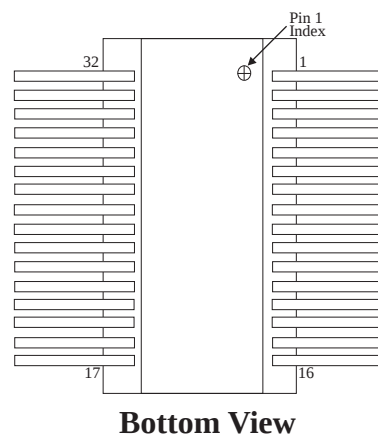
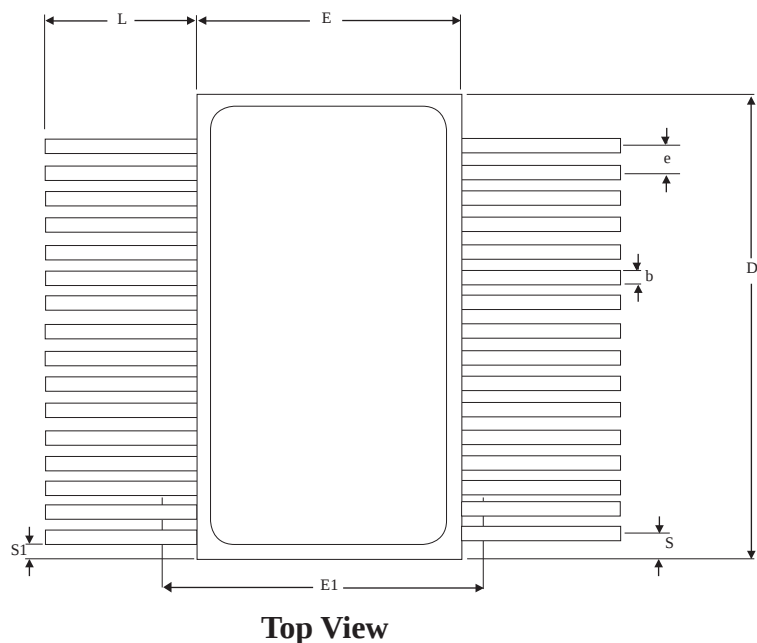


SYMBOL	SMD SPECIFICATIONS	
	MIN	MAX
A	0.060	0.080
B1	0.022	0.028
b1	0.004	0.014
b2	0.040	0.050
D	0.442	0.458
D1	0.300 BSC	
E	0.540	0.560
E1	0.400 BSC	
e	0.050 BSC	
L	0.045	0.055
L1	0.075	0.095

*All measurements are in inches.

MECHANICAL DEFINITIONS*

Microcross Case #303 (Package Designator F)
SMD 5962-89598, Case Outline T

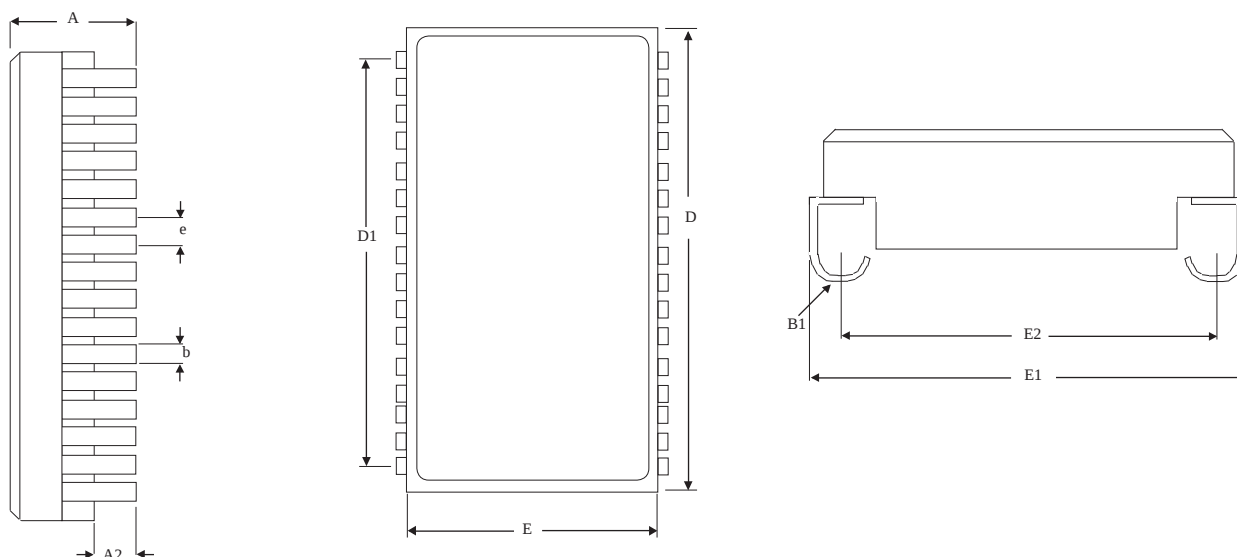


SYMBOL	SMD SPECIFICATIONS	
	MIN	MAX
A	0.097	0.125
b	0.015	0.019
c	0.003	0.009
D	--	0.830
E	0.400	0.420
E1	--	0.450
E2	0.180	--
E3	0.030	--
e	0.050 BSC	
L	0.250	0.370
Q	0.026	0.045
S	--	0.045
S1	0.000	--

*All measurements are in inches.

MECHANICAL DEFINITIONS*

Micross Case #501 (Package Designator DCJ)
SMD 5962-89598, Case Outline 7

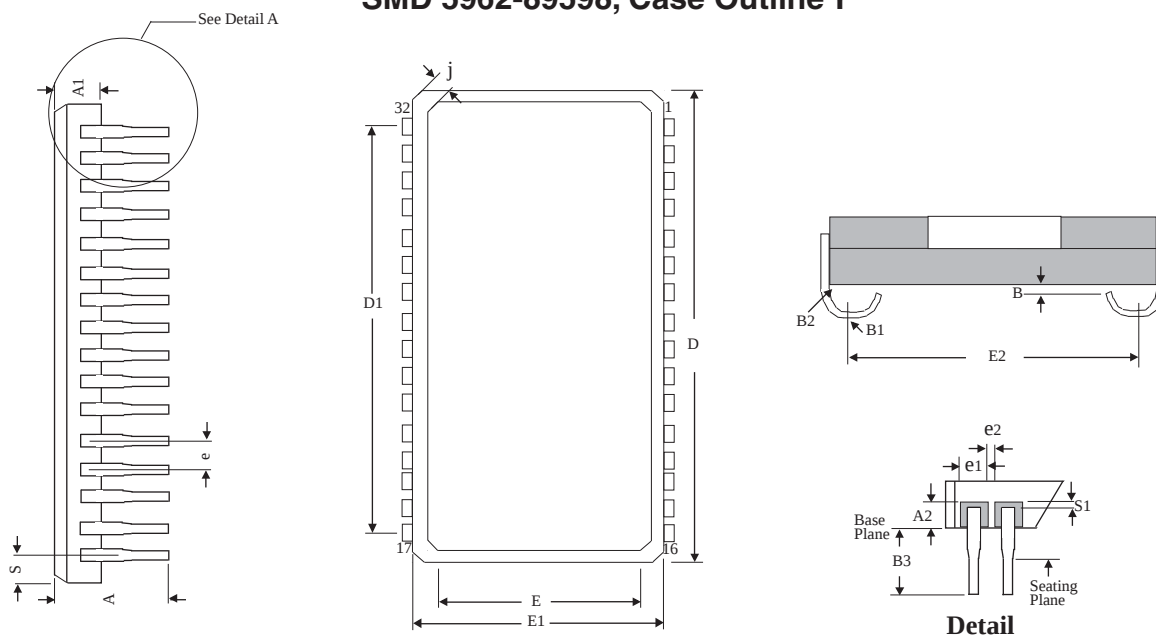


SYMBOL	SMD SPECIFICATIONS	
	MIN	MAX
A	0.135	0.144
A2	0.025	0.035
B1	0.030	0.040
b	0.015	0.019
D	0.812	0.828
D1	0.740	0.755
E	0.405	0.415
E1	0.435	0.445
E2	0.360	0.380
e	0.050 BSC	

**All measurements are in inches.*

MECHANICAL DEFINITIONS*

Micross Case #507 (Package Designator SOJ) SMD 5962-89598, Case Outline Y



SYMBOL	SMD SPECIFICATIONS	
	MIN	MAX
A	0.120	0.165
A1	0.088	0.120
A2	0.070 REF	
B	0.010 REF	
B1	.030R TYP	
B2	0.020 REF	
B3	0.025	0.045
D	0.816	0.838
D1	0.75 REF	
E	0.419	0.431
E1	0.430	0.445
E2	0.360	0.380
e	0.050 B3C	
e1	0.038 TYP	
e2	0.005	
j	0.005 TYP	
S	0.030	0.040
S1	0.020 TYP	

*All measurements are in inches.

ORDERING INFORMATION

EXAMPLE: MT5C1009C-25/XT

Device Number	Package Type	Speed ns	Options**	Process
MT5C1009	C	-12	L	/ * +
MT5C1009	CW	-12	L	/ * +
MT5C1009	C	-15	L	/ *
MT5C1009	CW	-15	L	/ *
MT5C1009	C	-20	L	/ *
MT5C1009	CW	-20	L	/ *
MT5C1009	C	-25	L	/ *
MT5C1009	CW	-25	L	/ *
MT5C1009	C	-35	L	/ *
MT5C1009	CW	-35	L	/ *
MT5C1009	C	-45	L	/ *
MT5C1009	CW	-45	L	/ *
MT5C1009	C	-55	L	/ *
MT5C1009	CW	-55	L	/ *
MT5C1009	C	-70	L	/ *
MT5C1009	CW	-70	L	/ *

EXAMPLE: MT5C1009EC-45L/IT

Device Number	Package Type	Speed ns	Options**	Process
MT5C1009	EC	-12	L	/ * +
MT5C1009	ECA	-12	L	/ * +
MT5C1009	EC	-15	L	/ *
MT5C1009	ECA	-15	L	/ *
MT5C1009	EC	-20	L	/ *
MT5C1009	ECA	-20	L	/ *
MT5C1009	EC	-25	L	/ *
MT5C1009	ECA	-25	L	/ *
MT5C1009	EC	-35	L	/ *
MT5C1009	ECA	-35	L	/ *
MT5C1009	EC	-45	L	/ *
MT5C1009	ECA	-45	L	/ *
MT5C1009	EC	-55	L	/ *
MT5C1009	ECA	-55	L	/ *
MT5C1009	EC	-70	L	/ *
MT5C1009	ECA	-70	L	/ *

EXAMPLE: MT5C1009F-70L/883C

Device Number	Package Type	Speed ns	Options**	Process
MT5C1009	F	-12	L	/ * +
MT5C1009	F	-15	L	/ *
MT5C1009	F	-20	L	/ *
MT5C1009	F	-25	L	/ *
MT5C1009	F	-35	L	/ *
MT5C1009	F	-45	L	/ *
MT5C1009	F	-55	L	/ *
MT5C1009	F	-70	L	/ *

EXAMPLE: MT5C1009DCJ-35/883C

Device Number	Package Type	Speed ns	Options**	Process
MT5C1009	DCJ	-12	L	/ * +
MT5C1009	SOJ	-12	L	/ * +
MT5C1009	DCJ	-15	L	/ *
MT5C1009	SOJ	-15	L	/ *
MT5C1009	DCJ	-20	L	/ *
MT5C1009	SOJ	-20	L	/ *
MT5C1009	DCJ	-25	L	/ *
MT5C1009	SOJ	-25	L	/ *
MT5C1009	DCJ	-35	L	/ *
MT5C1009	SOJ	-35	L	/ *
MT5C1009	DCJ	-45	L	/ *
MT5C1009	SOJ	-45	L	/ *
MT5C1009	DCJ	-55	L	/ *
MT5C1009	SOJ	-55	L	/ *
MT5C1009	DCJ	-70	L	/ *
MT5C1009	SOJ	-70	L	/ *

*AVAILABLE PROCESSES

IT = Industrial Temperature Range
 XT = Extended Temperature Range
 883C = Full Military Processing

-40°C to +85°C
 -55°C to +125°C
 -55°C to +125°C

** OPTIONS

L = 2V data retention, low power standby
 + = -12 option available as IT temperature range only.

MICROSS TO DSCC PART NUMBER CROSS REFERENCE

Micross Package Designator C & CW

<u>Micross Part #</u>	<u>SMD Part #</u>
MT5C1009C-100883C	5962-8959823MZA
MT5C1009C-100L883C	5962-8959806MZA
MT5C1009C-120883C	5962-8959822MZA
MT5C1009C-120L883C	5962-8959805MZA
MT5C1009C-15883C	5962-8959844MZA
MT5C1009C-20883C	5962-8959839MZA
MT5C1009C-20L883C	5962-8959840MZA
MT5C1009C-25883C	5962-8959829MZA
MT5C1009C-25L883C	5962-8959812MZA
MT5C1009C-35883C	5962-8959828MZA
MT5C1009C-35L883C	5962-8959811MZA
MT5C1009C-45883C	5962-8959827MZA
MT5C1009C-45L883C	5962-8959810MZA
MT5C1009C-55883C	5962-8959826MZA
MT5C1009C-55L883C	5962-8959809MZA
MT5C1009C-70883C	5962-8959825MZA
MT5C1009C-70L883C	5962-8959808MZA
MT5C1009C-85883C	5962-8959824MZA
MT5C1009C-85L883C	5962-8959807MZA

MT5C1009CW-100883C	5962-8959823MXA
MT5C1009CW-100L883C	5962-8959806MXA
MT5C1009CW-120883C	5962-8959822MXA
MT5C1009CW-120L883C	5962-8959805MXA
MT5C1009CW-15883C	5962-8959844MXA
MT5C1009CW-20883C	5962-8959839MXA
MT5C1009CW-20L883C	5962-8959840MXA
MT5C1009CW-25883C	5962-8959829MXA
MT5C1009CW-25L883C	5962-8959812MXA
MT5C1009CW-35883C	5962-8959828MXA
MT5C1009CW-35L883C	5962-8959811MXA
MT5C1009CW-45883C	5962-8959827MXA
MT5C1009CW-45L883C	5962-8959810MXA
MT5C1009CW-55883C	5962-8959826MXA
MT5C1009CW-55L883C	5962-8959809MXA
MT5C1009CW-70883C	5962-8959825MXA
MT5C1009CW-70L883C	5962-8959808MXA
MT5C1009CW-85883C	5962-8959824MXA
MT5C1009CW-85L883C	5962-8959807MXA

Micross Package Designator EC & ECA

<u>Micross Part #</u>	<u>SMD Part #</u>
MT5C1009EC-100883C	5962-8959823MUA
MT5C1009EC-100L883C	5962-8959806MUA
MT5C1009EC-120883C	5962-8959822MUA
MT5C1009EC-120L883C	5962-8959805MUA
MT5C1009EC-15883C	5962-8959844MUA
MT5C1009EC-20883C	5962-8959839MUA
MT5C1009EC-20L883C	5962-8959840MUA
MT5C1009EC-25883C	5962-8959829MUA
MT5C1009EC-25L883C	5962-8959812MUA
MT5C1009EC-35883C	5962-8959828MUA
MT5C1009EC-35L883C	5962-8959811MUA
MT5C1009EC-45883C	5962-8959827MUA
MT5C1009EC-45L883C	5962-8959810MUA
MT5C1009EC-55883C	5962-8959826MUA
MT5C1009EC-55L883C	5962-8959809MUA
MT5C1009EC-70883C	5962-8959825MUA
MT5C1009EC-70L883C	5962-8959808MUA
MT5C1009EC-85883C	5962-8959824MUA
MT5C1009EC-85L883C	5962-8959807MUA

MT5C1009ECA-100L883C	5962-8959806MMA
MT5C1009ECA-100L883C	5962-8959823MMA
MT5C1009ECA-120L883C	5962-8959805MMA
MT5C1009ECA-120L883C	5962-8959822MMA
MT5C1009ECA-15883C	5962-8959844MMA
MT5C1009ECA-20883C	5962-8959839MMA
MT5C1009ECA-20L883C	5962-8959840MMA
MT5C1009ECA-25L883C	5962-8959812MMA
MT5C1009ECA-25L883C	5962-8959829MMA
MT5C1009ECA-35L883C	5962-8959811MMA
MT5C1009ECA-35L883C	5962-8959828MMA
MT5C1009ECA-45L883C	5962-8959810MMA
MT5C1009ECA-45L883C	5962-8959827MMA
MT5C1009ECA-55L883	5962-8959809MMA
MT5C1009ECA-55L883C	5962-8959826MMA
MT5C1009ECA-70L883C	5962-8959808MMA
MT5C1009ECA-70L883C	5962-8959825MMA
MT5C1009ECA-85L883	5962-8959824MMA
MT5C1009ECA-85L883C	5962-8959807MMA

CONTINUED

* Micross part number is for reference only. Orders received referencing the SMD part number will be processed per the SMD.

MICROSS TO DSCC PART NUMBER CROSS REFERENCE (Continued)

Micross Package Designator DCJ & SOJ

<u>Micross Part #</u>	<u>SMD Part #</u>
MT5C1009DCJ-100883C	5962-8959823M7A
MT5C1009DCJ-100L883C	5962-8959806M7A
MT5C1009DCJ-120883C	5962-8959822M7A
MT5C1009DCJ-120L883C	5962-8959805M7A
MT5C1009DCJ-15883C	5962-8959844M7A
MT5C1009DCJ-20883C	5962-8959839M7A
MT5C1009DCJ-20L883C	5962-8959840M7A
MT5C1009DCJ-25883C	5962-8959829M7A
MT5C1009DCJ-25L883C	5962-8959812M7A
MT5C1009DCJ-35883C	5962-8959828M7A
MT5C1009DCJ-35L883C	5962-8959811M7A
MT5C1009DCJ-45883C	5962-8959827M7A
MT5C1009DCJ-45L883C	5962-8959810M7A
MT5C1009DCJ-55883C	5962-8959826M7A
MT5C1009DCJ-55L	5962-8959809M7A
MT5C1009DCJ-70883C	5962-8959825M7A
MT5C1009DCJ-70L883C	5962-8959808M7A
MT5C1009DCJ-85883C	5962-8959824M7A
MT5C1009DCJ-85L883C	5962-8959807M7A
MT5C1009SOJ-100883C	5962-8959823MYA
MT5C1009SOJ-100L883C	5962-8959806MYA
MT5C1009SOJ-120883	5962-8959822MYA
MT5C1009SOJ-120L883C	5962-8959805MYA
MT5C1009SOJ-15883C	5962-8959844MYA
MT5C1009SOJ-20883C	5962-8959839MYA
MT5C1009SOJ-20L883C	5962-8959840MYA
MT5C1009SOJ-25883C	5962-8959829MYA
MT5C1009SOJ-25L883C	5962-8959812MYA
MT5C1009SOJ-35883C	5962-8959828MYA
MT5C1009SOJ-35L883C	5962-8959811MYA
MT5C1009SOJ-45883C	5962-8959827MYA
MT5C1009SOJ-45L883	5962-8959810MYA
MT5C1009SOJ-55883C	5962-8959826MYA
MT5C1009SOJ-55L883	5962-8959809MYA
MT5C1009SOJ-70883C	5962-8959825MYA
MT5C1009SOJ-70L883C	5962-8959808MYA
MT5C1009SOJ-85883C	5962-8959824MYA
MT5C1009SOJ-85L883C	5962-8959807MYA

Micross Package Designator F

<u>Micross Part #</u>	<u>SMD Part #</u>
MT5C1009F-100883C	5962-8959823MTA
MT5C1009F-100L883C	5962-8959806MTA
MT5C1009F-120883C	5962-8959822MTA
MT5C1009F-120L883C	5962-8959805MTA
MT5C1009F-15883C	5962-8959844MTA
MT5C1009F-20883C	5962-8959839MTA
MT5C1009F-20L883C	5962-8959840MTA
MT5C1009F-25883C	5962-8959829MTA
MT5C1009F-25L883C	5962-8959812MTA
MT5C1009F-35883C	5962-8959828MTA
MT5C1009F-35L883C	5962-8959811MTA
MT5C1009F-45883C	5962-8959827MTA
MT5C1009F-45L883C	5962-8959810MTA
MT5C1009F-55883C	5962-8959826MTA
MT5C1009F-55L883C	5962-8959809MTA
MT5C1009F-70883C	5962-8959825MTA
MT5C1009F-70L883C	5962-8959808MTA
MT5C1009F-85883C	5962-8959824MTA
MT5C1009F-85L883C	5962-8959807MTA

* Micross part number is for reference only. Orders received referencing the SMD part number will be processed per the SMD.