

January 2008

74AC74, 74ACT74 **Dual D-Type Positive Edge-Triggered Flip-Flop**

Features

- I_{CC} reduced by 50%
- Output source/sink 24mA
- ACT74 has TTL-compatible inputs

General Description

The AC/ACT74 is a dual D-type flip-flop with Asynchronous Clear and Set inputs and complementary (Q, \overline{Q}) outputs. Information at the input is transferred to the outputs on the positive edge of the clock pulse. Clock triggering occurs at a voltage level of the clock pulse and is not directly related to the transition time of the positivegoing pulse. After the Clock Pulse input threshold voltage has been passed, the Data input is locked out and information present will not be transferred to the outputs until the next rising edge of the Clock Pulse input.

Asynchronous Inputs:

- LOW input to SD (Set) sets Q to HIGH level
- LOW input to CD (Clear) sets Q to LOW level
- Clear and Set are independent of clock
- Simultaneous LOW on \overline{C}_D and \overline{S}_D makes both Q and Q HIGH

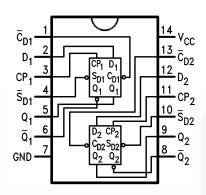
Ordering Information

Order Number	Package Number	Package Description
74AC74SC	M14A	14-Lead Small Outline Integrated Circuit (SOIC), JEDEC MS-012, 0.150" Narrow
74AC74SJ	M14D	14-Lead Small Outline Package (SOP), EIAJ TYPE II, 5.3mm Wide
74AC74MTC	MTC14	14-Lead Thin Shrink Small Outline Package (TSSOP), JEDEC MO-153, 4.4mm Wide
74AC74PC	N14A	14-Lead Plastic Dual-In-Line Package (PDIP), JEDEC MS-001, 0.300" Wide
74ACT74SC	M14A	14-Lead Small Outline Integrated Circuit (SOIC), JEDEC MS-012, 0.150" Narrow
74ACT74SJ	M14D	14-Lead Small Outline Package (SOP), EIAJ TYPE II, 5.3mm Wide
74ACT74MTC	MTC14	14-Lead Thin Shrink Small Outline Package (TSSOP), JEDEC MO-153, 4.4mm Wide
74ACT74PC	N14A	14-Lead Plastic Dual-In-Line Package (PDIP), JEDEC MS-001, 0.300" Wide

Device also available in Tape and Reel. Specify by appending suffix letter "X" to the ordering number.

All packages are lead free per JEDEC: J-STD-020B standard.

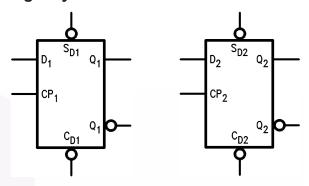
Connection Diagram



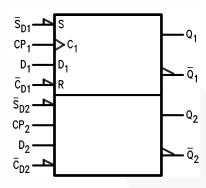
Pin Descriptions

Pin Names	Description
D ₁ , D ₂	Data Inputs
CP ₁ , CP ₂	Clock Pulse Inputs
$\overline{C}_{D1}, \overline{C}_{D2}$	Direct Clear Inputs
$\overline{S}_{D1}, \overline{S}_{D2}$	Direct Set Inputs
$Q_1, \overline{Q}_1, Q_2, \overline{Q}_2$	Outputs

Logic Symbols



IEEE/IEC



Truth Table

(Each Half)

	Inpu	Out	puts		
\overline{s}_{D}	\overline{C}_D	СР	D	Q	Q
L	Н	X	Х	Н	L
Н	L	X	Х	L	Н
L	L	Х	Х	Н	Н
Н	Н	~	Н	Н	L
Н	Н	~	L	L	Н
Н	Н	L	Х	Q_0	\overline{Q}_0

H = HIGH Voltage Level

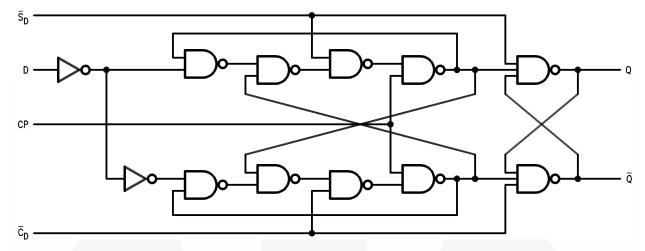
L = LOW Voltage Level

X = Immaterial

✓ = LOW-to-HIGH Clock Transition

 $Q_0(\overline{Q}_0)$ = Previous Q(\overline{Q}) before LOW-to-HIGH Transition of Clock

Logic Diagram



Please note that this diagram is provided only for the understanding of logic operations and should not be used to estimate propagation delays.

Absolute Maximum Ratings

Stresses exceeding the absolute maximum ratings may damage the device. The device may not function or be operable above the recommended operating conditions and stressing the parts to these levels is not recommended. In addition, extended exposure to stresses above the recommended operating conditions may affect device reliability. The absolute maximum ratings are stress ratings only.

Symbol	Parameter	Rating
V _{CC}	Supply Voltage	-0.5V to +7.0V
I _{IK}	DC Input Diode Current	
	$V_{I} = -0.5V$	–20mA
	$V_{I} = V_{CC} + 0.5$	+20mA
V _I	DC Input Voltage	-0.5V to V _{CC} + 0.5V
I _{OK}	DC Output Diode Current	
	$V_{O} = -0.5V$	–20mA
	$V_{O} = V_{CC} + 0.5V$	+20mA
Vo	DC Output Voltage	-0.5V to V _{CC} + 0.5V
Io	DC Output Source or Sink Current	±50mA
I _{CC} or I _{GND}	DC V _{CC} or Ground Current per Output Pin	±50mA
T _{STG}	Storage Temperature	−65°C to +150°C
T _J	Junction Temperature	140°C

Recommended Operating Conditions

The Recommended Operating Conditions table defines the conditions for actual device operation. Recommended operating conditions are specified to ensure optimal performance to the datasheet specifications. Fairchild does not recommend exceeding them or designing to absolute maximum ratings.

Symbol	Parameter	Rating
V _{CC}	Supply Voltage	
	AC	2.0V to 6.0V
	ACT	4.5V to 5.5V
VI	Input Voltage	0V to V _{CC}
Vo	Output Voltage	0V to V _{CC}
T _A	Operating Temperature	-40°C to +85°C
ΔV / Δt	Minimum Input Edge Rate, AC Devices:	125mV/ns
	V_{IN} from 30% to 70% of V_{CC} , V_{CC} @ 3.3V, 4.5V, 5.5V	
ΔV / Δt	Minimum Input Edge Rate, ACT Devices:	125mV/ns
	V _{IN} from 0.8V to 2.0V, V _{CC} @ 4.5V, 5.5V	

DC Electrical Characteristics for AC

	V _{CC}			T _A = +25°C		T _A = -40°C to +85°C	
Symbol	Parameter	(V)	Conditions	Тур.	G	uaranteed Limits	Units
V _{IH}	Minimum HIGH Level	3.0	$V_{OUT} = 0.1V$ or	1.5	2.1	2.1	V
	Input Voltage	4.5	V _{CC} – 0.1V	2.25	3.15	3.15	
		5.5		2.75	3.85	3.85	
V _{IL}	Maximum LOW Level	3.0	$V_{OUT} = 0.1V$ or	1.5	0.9	0.9	V
	Input Voltage	4.5	V _{CC} – 0.1V	2.25	1.35	1.35	
		5.5		2.75	1.65	1.65	
V _{OH}	Minimum HIGH Level	3.0	$I_{OUT} = -50\mu A$	2.99	2.9	2.9	V
	Output Voltage	4.5		4.49	4.4	4.4	
		5.5		5.49	5.4	5.4	
		3.0	$V_{IN} = V_{IL} \text{ or } V_{IH},$ $I_{OH} = -12\text{mA}$		2.56	2.46	
		4.5	$V_{IN} = V_{IL} \text{ or } V_{IH},$ $I_{OH} = -24\text{mA}$		3.86	3.76	
	5.5	5.5	$V_{IN} = V_{IL} \text{ or } V_{IH},$ $I_{OH} = -24\text{mA}^{(1)}$		4.86	4.76	
V _{OL}	Maximum LOW Level	3.0	$I_{OUT} = 50\mu A$	0.002	0.1	0.1	V
	Output Voltage	4.5		0.001	0.1	0.1	
		5.5		0.001	0.1	0.1	
		3.0	$V_{IN} = V_{IL} \text{ or } V_{IH},$ $I_{OL} = 12\text{mA}$		0.36	0.44	
		4.5	$V_{IN} = V_{IL} \text{ or } V_{IH},$ $I_{OL} = 24\text{mA}$		0.36	0.44	
		5.5	$V_{IN} = V_{IL} \text{ or } V_{IH},$ $I_{OL} = 24\text{mA}^{(1)}$		0.36	0.44	
I _{IN} ⁽³⁾	Maximum Input Leakage Current	5.5	$V_I = V_{CC}$, GND		±0.1	±1.0	μA
I _{OLD}	Minimum Dynamic	5.5	V _{OLD} = 1.65V Max.			75	mA
I _{OHD}	Output Current ⁽²⁾	5.5	V _{OHD} = 3.85V Min.			– 75	mA
I _{CC} ⁽³⁾	Maximum Quiescent Supply Current	5.5	$V_{IN} = V_{CC}$ or GND		2.0	20.0	μА

Notes:

- 1. All outputs loaded; thresholds on input associated with output under test.
- 2. Maximum test duration 2.0ms, one output loaded at a time.
- 3. I_{IN} and I_{CC} @ 3.0V are guaranteed to be less than or equal to the respective limit @ 5.5V V_{CC} .

DC Electrical Characteristics for ACT

		V _{CC}		T _A = +	+25°C	T _A = -40°C to +85°C	
Symbol	Parameter	(V)	Conditions	Тур.	G	Guaranteed Limits	Units
V _{IH}	Minimum HIGH Level	4.5	$V_{OUT} = 0.1V$ or	1.5	2.0	2.0	V
	Input Voltage	5.5	V _{CC} – 0.1V	1.5	2.0	2.0	
V _{IL}	Maximum LOW Level	4.5	$V_{OUT} = 0.1V$ or	1.5	0.8	0.8	V
	Input Voltage	5.5	V _{CC} – 0.1V	1.5	0.8	0.8	
V _{OH}	Minimum HIGH Level	4.5	$I_{OUT} = -50\mu A$	4.49	4.4	4.4	V
	Output Voltage	5.5		5.49	5.4	5.4	
		4.5	$V_{IN} = V_{IL} \text{ or } V_{IH},$ $I_{OH} = -24\text{mA}$		3.86	3.76	
		5.5	$V_{IN} = V_{IL} \text{ or } V_{IH},$ $I_{OH} = -24\text{mA}^{(4)}$		4.86	4.76	
V _{OL}	Maximum LOW Level	4.5	$I_{OUT} = 50\mu A$	0.001	0.1	0.1	V
	Output Voltage	5.5		0.001	0.1	0.1	
		4.5	$V_{IN} = V_{IL} \text{ or } V_{IH},$ $I_{OL} = 24\text{mA}$		0.36	0.44	
		5.5	$V_{IN} = V_{IL} \text{ or } V_{IH},$ $I_{OL} = 24\text{mA}^{(4)}$		0.36	0.44	
I _{IN}	Maximum Input Leakage Current	5.5	$V_I = V_{CC}$, GND		±0.1	±1.0	μA
I _{CCT}	Maximum I _{CC} /Input	5.5	$V_{I} = V_{CC} - 2.1V$	0.6		1.5	mA
I _{OLD}	Minimum Dynamic	5.5	V _{OLD} = 1.65V Max.			75	mA
I _{OHD}	Output Current ⁽⁵⁾	5.5	V _{OHD} = 3.85V Min.			- 75	mA
I _{CC}	Maximum Quiescent Supply Current	5.5	$V_{IN} = V_{CC}$ or GND		2.0	20.0	μА

Notes:

4. All outputs loaded; thresholds on input associated with output under test.

AC Electrical Characteristics for AC

			T _A = +25°C, C _L = 50pF		$T_A = -40$ °C to +85°C, $C_L = 50$ pF			
Symbol	Parameter	V _{CC} (V) ⁽⁶⁾	Min.	Тур.	Max.	Min.	Max.	Units
f _{MAX}	Maximum Clock Frequency	3.3	100	125		95		MHz
		5.0	140	160		125		
t _{PLH}	Propagation Delay,	3.3	3.5	8.0	12.0	2.5	13.0	ns
	\overline{C}_{Dn} or \overline{S}_{Dn} to Q_n or \overline{Q}_n	5.0	2.5	6.0	9.0	2.0	10.0	
t _{PHL}	Propagation Delay,	3.3	4.0	10.5	12.0	3.5	13.5	ns
	\overline{C}_{Dn} or \overline{S}_{Dn} to Q_n or \overline{Q}_n	5.0	3.0	8.0	9.5	2.5	10.5	
t _{PLH}	Propagation Delay,	3.3	4.5	8.0	13.5	4.0	16.0	ns
	CP_n to Q_n or \overline{Q}_n	5.0	3.5	6.0	10.0	3.0	10.5	
t _{PHL}	Propagation Delay,	3.3	3.5	8.0	14.0	3.5	14.5	ns
	CP_n to Q_n or \overline{Q}_n	5.0	2.5	6.0	10.0	2.5	10.5	

Note:

5. Voltage range 3.3 is $3.3V \pm 0.3V$. Voltage range 5.0 is $5.0V \pm 0.5V$.

AC Operating Requirements for AC

			T _A = +25°C, C _L = 50pF		$T_A = -40$ °C to +85°C, $C_L = 50$ pF	
Symbol	Parameter	V _{CC} (V) ⁽⁷⁾	Тур.	Gua	ranteed Minimum	Units
t _S	Set-up Time, HIGH or LOW,	3.3	1.5	4.0	4.5	ns
	D _n to CP _n	5.0	1.0	3.0	3.0	
t _H	Hold Time, HIGH or LOW,	3.3	-2.0	0.5	0.5	ns
	D _n to CP _n	5.0	-1.5	0.5	0.5	
t _W	CP_n or \overline{C}_{Dn} or \overline{S}_{Dn} Pulse Width	3.3	3.0	5.5	7.0	ns
		5.0	2.5	4.5	5.0	
t _{rec}	Recovery Time, \overline{C}_{Dn} or \overline{S}_{Dn} to CP	3.3	-2.5	0	0	ns
		5.0	-2.0	0	0	

Note:

6. Voltage range 3.3 is $3.3V \pm 0.3V$. Voltage range 5.0 is $5.0V \pm 0.5V$.

AC Electrical Characteristics for ACT

			T _A = +25°C, C _L = 50pF		$T_A = -40$ °C to +85°C, $C_L = 50$ pF			
Symbol	Parameter	V _{CC} (V) ⁽⁸⁾	Min.	Тур.	Max.	Min.	Max.	Units
f _{MAX}	Maximum Clock Frequency	5.0	145	210		125		MHz
t _{PLH}	Propagation Delay, \overline{C}_{Dn} or \overline{S}_{Dn} to Q_n or \overline{Q}_n	5.0	3.0	5.5	9.5	2.5	10.5	ns
t _{PHL}	Propagation Delay, \overline{C}_{Dn} or \overline{S}_{Dn} to Q_n or \overline{Q}_n	5.0	3.0	6.0	10.0	3.0	11.5	ns
t _{PLH}	Propagation Delay, CP_n to Q_n or \overline{Q}_n	5.0	4.0	7.5	11.0	4.0	13.0.	ns
t _{PHL}	Propagation Delay, CP_n to Q_n or \overline{Q}_n	5.0	3.5	6.0	10.0	3.0	11.5	ns

Note:

7. Voltage range 5.0 is $5.0V \pm 0.5V$.

AC Operating Requirements for ACT

				-25°C, 50pF	$T_A = -40$ °C to +85°C, $C_L = 50$ pF	
Symbol	Parameter	$V_{CC}(V)^{(9)}$	Тур.	Gua	aranteed Minimum	Units
t _S	Set-up Time, HIGH or LOW, D _n to CP _n	5.0	1.0	3.0	3.5	ns
t _H	Hold Time, HIGH or LOW, D _n to CP _n	5.0	-0.5	1.0	1.0	ns
t _W	CP_n or \overline{C}_{Dn} or \overline{S}_{Dn} Pulse Width	5.0	3.0	5.0	6.0	ns
t _{rec}	Recovery Time, \overline{C}_{Dn} or \overline{S}_{Dn} to CP	5.0	-2.5	0	0	ns

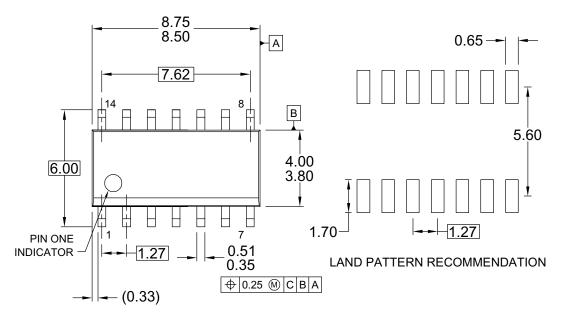
Note:

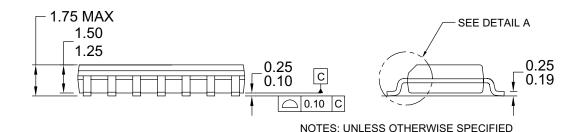
8. Voltage range 5.0 is $5.0V \pm 0.5V$.

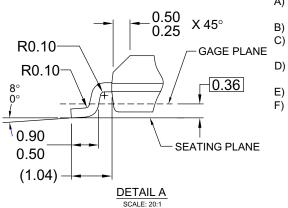
Capacitance

Symbol	Parameter	Conditions	Тур.	Units
C _{IN}	Input Capacitance	V _{CC} = OPEN	4.5	pF
C _{PD}	Power Dissipation Capacitance	V _{CC} = 5.0V	35.0	pF

Physical Dimensions







- A) THIS PACKAGE CONFORMS TO JEDEC MS-012, VARIATION AB, ISSUE C,
- B) ALL DIMENSIONS ARE IN MILLIMETERS.
- C) DIMENSIONS DO NOT INCLUDE MOLD FLASH OR BURRS.
- D) LANDPATTERN STANDARD: SOIC127P600X145-14M
- E) DRAWING CONFORMS TO ASME Y14.5M-1994
- F) DRAWING FILE NAME: M14AREV13

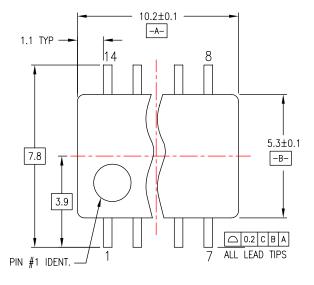
Figure 1. 14-Lead Small Outline Integrated Circuit (SOIC), JEDEC MS-012, 0.150" Narrow

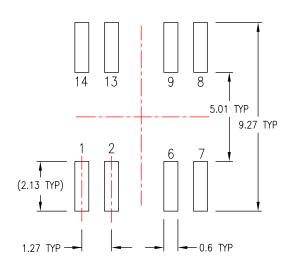
Package drawings are provided as a service to customers considering Fairchild components. Drawings may change in any manner without notice. Please note the revision and/or date on the drawing and contact a Fairchild Semiconductor representative to verify or obtain the most recent revision. Package specifications do not expand the terms of Fairchild's worldwide terms and conditions, specifically the warranty therein, which covers Fairchild products.

Always visit Fairchild Semiconductor's online packaging area for the most recent package drawings:

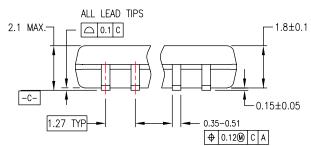
http://www.fairchildsemi.com/packaging/

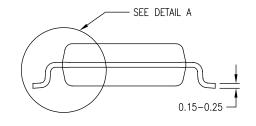
Physical Dimensions (Continued)





LAND PATTERN RECOMMENDATION



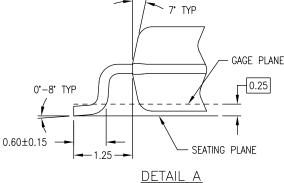


DIMENSIONS ARE IN MILLIMETERS

NOTES:

- A. CONFORMS TO EIAJ EDR-7320 REGISTRATION, ESTABLISHED IN DECEMBER, 1998.
 B. DIMENSIONS ARE IN MILLIMETERS.
 C. DIMENSIONS ARE EXCLUSIVE OF BURRS, MOLD

FLASH, AND TIE BAR EXTRUSIONS.



M14DREVC

Figure 2. 14-Lead Small Outline Package (SOP), EIAJ TYPE II, 5.3mm Wide

Package drawings are provided as a service to customers considering Fairchild components. Drawings may change in any manner without notice. Please note the revision and/or date on the drawing and contact a Fairchild Semiconductor representative to verify or obtain the most recent revision. Package specifications do not expand the terms of Fairchild's worldwide terms and conditions, specifically the warranty therein, which covers Fairchild products.

Always visit Fairchild Semiconductor's online packaging area for the most recent package drawings:

http://www.fairchildsemi.com/packaging/

Physical Dimensions (Continued) 5.0±0.1 -A-0.65 0.43 TYP 6.4 4.4±0.1 -B-1.65 3.2 □ 0.2 C B A PIN #1 IDENT. 6.10 0.45LAND PATTERN RECOMMENDATION SEE DETAIL A ALL LEAD TIPS 0.90+0.15 1.2 MAX □ 0.1 C 0.09-0.20 -C-0.10±0.05 0.65 0.19 - 0.30⊕ |0.13\\(\) |A |B\(\) |C\(\) 12.00°TOP & BOTTOM R0.09 min GAGE PLANE 0.25 0°-8° NOTES: 0.6±0.1 A. CONFORMS TO JEDEC REGISTRATION MO-153, SEATING PLANE R0.09min VARIATION AB, REF NOTE 6 1 00 **DETAIL A**

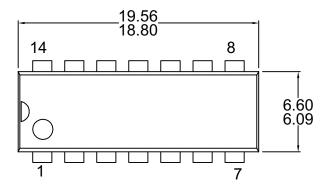
- **B. DIMENSIONS ARE IN MILLIMETERS**
- C. DIMENSIONS ARE EXCLUSIVE OF BURRS, MOLD FLASH, AND TIE BAR EXTRUSIONS
- D. DIMENSIONING AND TOLERANCES PER ANSI Y14.5M, 1982
- E. LANDPATTERN STANDARD: SOP65P640X110-14M
- F. DRAWING FILE NAME: MTC14REV6

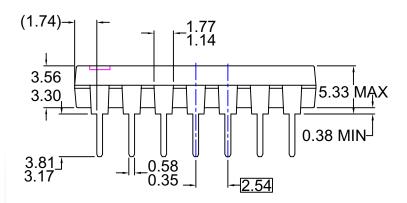
Figure 3. 14-Lead Thin Shrink Small Outline Package (TSSOP), JEDEC MO-153, 4.4mm Wide

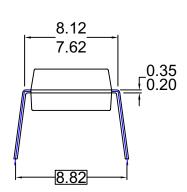
Package drawings are provided as a service to customers considering Fairchild components. Drawings may change in any manner without notice. Please note the revision and/or date on the drawing and contact a Fairchild Semiconductor representative to verify or obtain the most recent revision. Package specifications do not expand the terms of Fairchild's worldwide terms and conditions, specifically the warranty therein, which covers Fairchild products.

Always visit Fairchild Semiconductor's online packaging area for the most recent package drawings: http://www.fairchildsemi.com/packaging/

Physical Dimensions (Continued)







NOTES: UNLESS OTHERWISE SPECIFIED THIS PACKAGE CONFORMS TO

- A) JEDEC MS-001 VARIATION BA
- B) ALL DIMENSIONS ARE IN MILLIMETERS.
 DIMENSIONS ARE EXCLUSIVE OF BURRS,
- C) MOLD FLASH, AND TIE BAR EXTRUSIONS.
- D) DIMENSIONS AND TOLERANCES PER ASME Y14.5-1994
- E) DRAWING FILE NAME: MKT-N14AREV7

Figure 4. 14-Lead Plastic Dual-In-Line Package (PDIP), JEDEC MS-001, 0.300" Wide

Package drawings are provided as a service to customers considering Fairchild components. Drawings may change in any manner without notice. Please note the revision and/or date on the drawing and contact a Fairchild Semiconductor representative to verify or obtain the most recent revision. Package specifications do not expand the terms of Fairchild's worldwide terms and conditions, specifically the warranty therein, which covers Fairchild products.

Always visit Fairchild Semiconductor's online packaging area for the most recent package drawings: http://www.fairchildsemi.com/packaging/





TRADEMARKS

The following includes registered and unregistered trademarks and service marks, owned by Fairchild Semiconductor and/or its global subsidiaries, and is not intended to be an exhaustive list of all such trademarks.

Build it Now™ CorePLUS™ $CROSSVOLT^{\text{\tiny TM}}$ **CTL™**

Current Transfer Logic™ EcoSPARK® EZSWITCH™ *

Fairchild[®] Fairchild Semiconductor® FACT Quiet Series™

FACT[®] $\mathsf{FAST}^{\mathbb{R}}$ FastvCore™ FlashWriter® FPS™ $\mathsf{FRFET}^{\scriptscriptstyle{\textcircled{\tiny{\$}}}}$

Global Power Resource[™]

Green FPS™

Green FPS™ e-Series™ GTO™

i-Lo™ IntelliMAX™ ISOPLANAR™ MegaBuck™ MICROCOUPLER™

MicroFET™ MicroPak™ MillerDrive™ Motion-SPM™

OPTOLOGIC® OPTOPLANAR® PDP-SPM™ Power220® Power247® POWEREDGE® Power-SPM™ PowerTrench®

Programmable Active Droop™ QFET[©]

QSTM

QT Optoelectronics™ Quiet Series™ RapidConfigure™ SMART START™

SPM® STEALTH™ SuperFET™ SuperSOT™-3 SuperSOT™-6 SuperSOT™-8 SYSTEM ®
GENERAL The Power Franchise® bwer franchise TinyBoost™ TinvBuck™ $\mathsf{TinyLogic}^{\mathbb{R}}$ TINYOPTO™ TinyPower™

SyncFET™

TinyPWM™ TinyWire™ uSerDes™ **UHC**® Ultra FRFET™ UniFET™

 VCX^{TM}

DISCLAIMER

FAIRCHILD SEMICONDUCTOR RESERVES THE RIGHT TO MAKE CHANGES WITHOUT FURTHER NOTICE TO ANY PRODUCTS HEREIN TO IMPROVE RELIABILITY, FUNCTION, OR DESIGN. FAIRCHILD DOES NOT ASSUME ANY LIABILITY ARISING OUT OF THE APPLICATION OR USE OF ANY PRODUCT OR CIRCUIT DESCRIBED HEREIN; NEITHER DOES IT CONVEY ANY LICENSE UNDER ITS PATENT RIGHTS. NOR THE RIGHTS OF OTHERS. THESE SPECIFICATIONS DO NOT EXPAND THE TERMS OF FAIRCHILD'S WORLDWIDE TERMS AND CONDITIONS, SPECIFICALLY THE WARRANTY THEREIN, WHICH COVERS THESE PRODUCTS.

LIFE SUPPORT POLICY

FAIRCHILD'S PRODUCTS ARE NOT AUTHORIZED FOR USE AS CRITICAL COMPONENTS IN LIFE SUPPORT DEVICES OR SYSTEMS WITHOUT THE EXPRESS WRITTEN APPROVAL OF FAIRCHILD SEMICONDUCTOR CORPORATION.

- 1. Life support devices or systems are devices or systems which, (a) are intended for surgical implant into the body or (b) support or sustain life, and (c) whose failure to perform when properly used in accordance with instructions for use provided in the labeling, can be reasonably expected to result in a significant injury of the user.
- 2. A critical component in any component of a life support, device, or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

PRODUCT STATUS DEFINITIONS

Definition of Terms

Datasheet Identification	Product Status	Definition
Advance Information	Formative or In Design	This datasheet contains the design specifications for product development. Specifications may change in any manner without notice.
Preliminary	First Production	This datasheet contains preliminary data; supplementary data will be published at a later date. Fairchild Semiconductor reserves the right to make changes at any time without notice to improve design.
No Identification Needed	Full Production	This datasheet contains final specifications. Fairchild Semiconductor reserves the right to make changes at any time without notice to improve the design.
Obsolete	Not In Production	This datasheet contains specifications on a product that has been discontinued by Fairchild Semiconductor. The datasheet is printed for reference information only.

Rev. 132

^{*} EZSWITCH™ and FlashWriter® are trademarks of System General Corporation, used under license by Fairchild Semiconductor.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Fairchild Semiconductor: 74ACT74SC_NL