



Is Now Part of



ON Semiconductor®

To learn more about ON Semiconductor, please visit our website at
www.onsemi.com

Please note: As part of the Fairchild Semiconductor integration, some of the Fairchild orderable part numbers will need to change in order to meet ON Semiconductor's system requirements. Since the ON Semiconductor product management systems do not have the ability to manage part nomenclature that utilizes an underscore (_), the underscore (_) in the Fairchild part numbers will be changed to a dash (-). This document may contain device numbers with an underscore (_). Please check the ON Semiconductor website to verify the updated device numbers. The most current and up-to-date ordering information can be found at www.onsemi.com. Please email any questions regarding the system integration to Fairchild_questions@onsemi.com.

ON Semiconductor and the ON Semiconductor logo are trademarks of Semiconductor Components Industries, LLC dba ON Semiconductor or its subsidiaries in the United States and/or other countries. ON Semiconductor owns the rights to a number of patents, trademarks, copyrights, trade secrets, and other intellectual property. A listing of ON Semiconductor's product/patent coverage may be accessed at www.onsemi.com/site/pdf/Patent-Marking.pdf. ON Semiconductor reserves the right to make changes without further notice to any products herein. ON Semiconductor makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose, nor does ON Semiconductor assume any liability arising out of the application or use of any product or circuit, and specifically disclaims any and all liability, including without limitation special, consequential or incidental damages. Buyer is responsible for its products and applications using ON Semiconductor products, including compliance with all laws, regulations and safety requirements or standards, regardless of any support or applications information provided by ON Semiconductor. "Typical" parameters which may be provided in ON Semiconductor data sheets and/or specifications can and do vary in different applications and actual performance may vary over time. All operating parameters, including "Typicals" must be validated for each customer application by customer's technical experts. ON Semiconductor does not convey any license under its patent rights nor the rights of others. ON Semiconductor products are not designed, intended, or authorized for use as a critical component in life support systems or any FDA Class 3 medical devices or medical devices with a same or similar classification in a foreign jurisdiction or any devices intended for implantation in the human body. Should Buyer purchase or use ON Semiconductor products for any such unintended or unauthorized application, Buyer shall indemnify and hold ON Semiconductor and its officers, employees, subsidiaries, affiliates, and distributors harmless against all claims, costs, damages, and expenses, and reasonable attorney fees arising out of, directly or indirectly, any claim of personal injury or death associated with such unintended or unauthorized use, even if such claim alleges that ON Semiconductor was negligent regarding the design or manufacture of the part. ON Semiconductor is an Equal Opportunity/Affirmative Action Employer. This literature is subject to all applicable copyright laws and is not for resale in any manner.



NC7SZ66

Low Voltage Single SPST Normally Open Bus Switch

Features

- Broad V_{CC} Operating Range: 1.65 V to 5.5 V
- Rail-to-Rail Signal Handling
- Power Down High-Impedance Inputs/Outputs
- 5 Ω Switch Connection between Two Ports
- Minimal Propagation Delay through the Switch
- Low I_{CC}
- Zero Bounce in Flow-Through Mode
- Control Input Compatible with CMOS Input Levels
- Ultra-Small MicroPak™ Packages
- Space-Saving SOT23 and SC70 Packages

Description

The NC7SZ66 is a ultra high-speed (UHS) CMOS compatible single-pole/single-throw (SPST) bus switch. The LOW on resistance of the switch allows inputs to be connected to outputs with minimal propagation delay and without generating additional ground bounce noise. The device is organized as a 1-bit switch with a switch enable (OE) signal. When OE is HIGH, the switch is on and port A is connected to port B. When OE is LOW, the switch is open and a high-impedance state exists between the two ports..

Ordering Information

Part Number	Top Mark	Package	Packing Method
NC7SZ66M5X	7Z66	5-Lead SOT23, JEDEC MO-178 1.6 mm	3000 Units on Tape & Reel
NC7SZ66P5X	Z66	5-Lead SC70, EIAJ SC-88a, 1.25 mm Wide	3000 Units on Tape & Reel
NC7SZ66L6X	EE	6-Lead, MicroPak™, 1x1 mm Wide	5000 Units on Tape & Reel

Connection Diagrams

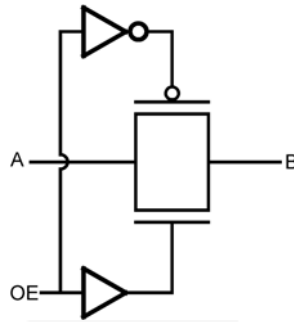


Figure 1. Logic Symbol

Pin Configurations

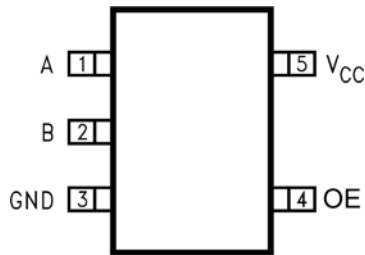


Figure 2. SC70 and SOT23 (Top View)

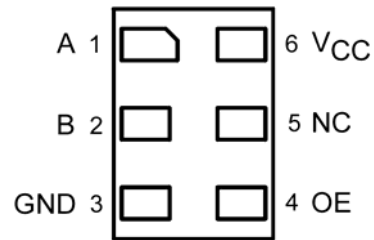


Figure 3. MicroPak™ (Top Through View)

Pin Definitions

Pin # SC70 / SOT23	Pin # MicroPak™	Name	Description
1	1	A	Bus A I/O
2	2	B	Bus B I/O
3	3	GND	Ground
4	4	OE	Switch Enable Input
5	6	V _{CC}	Supply Voltage
	5	NC	No Connect

Function Table

OE	B ₀	Function
L	High Z-State	Disconnected
H	A ₀	Connect

H = HIGH Logic Level

L = LOW Logic Level

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	Min.	Max.	Unit
V_{CC}	Supply Voltage	-0.5	7.0	V
V_S	DC Switch Voltage ⁽¹⁾	-0.5	V_{CC} to 0.5	V
V_{IN}	DC Input Voltage	-0.5	7.0	V
I_{IK}	DC Input Diode Current		-50	mA
	$V_{IN} < 0$ V			
I_{OUT}	DC Output Sink Current		128	mA
I_{CC} or I_{GND}	DC V_{CC} or Ground Current		± 100	mA
T_{STG}	Storage Temperature Range	-65	+150	$^{\circ}C$
T_J	Junction Temperature Under Bias		+150	$^{\circ}C$
T_L	Junction Lead Temperature (Soldering, 10 Seconds)		+260	$^{\circ}C$
P_D	Power Dissipation at +85 $^{\circ}C$	SOT-23	200	mW
		SC70-5	150	
ESD	Human Body Model, JEDEC:JESD22-A114		4000	V
	Charge Device Model: JEDEC:JESD22-C101		1500	

Note:

- The input and output negative voltage ratings may be exceeded if the input and output diode current ratings are observed.

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	Conditions	Min.	Max.	Unit
V_{CC}	Supply Voltage Operating		1.65	5.50	V
V_{IN}	Input Voltage		0	5.5	V
V_S	Switch Input Voltage		0	V_{CC}	V
V_{OUT}	Output Voltage		0	V_{CC}	V
t_r, t_f	Input Rise and Fall Times	$V_{CC}=2.3$ V - 3.6 V	0	10	ns/V
		$V_{CC}=4.5$ V - 5.5 V	0	5	
		Switching I/O	0	DC	
T_A	Operating Temperature		-40	+85	$^{\circ}C$
θ_{JA}	Thermal Resistance	SOT-23		300	$^{\circ}C/W$
		SC70-5		425	

Note:

- Unused inputs must be held HIGH or LOW; they may not float.

DC Electrical Characteristics

All typical values are at the specified V_{CC} , and $T_A = 25^\circ\text{C}$.

Symbol	Parameter	V_{CC}	Conditions	$T_A = -40$ to $+85^\circ\text{C}$			$T_A = +25^\circ\text{C}$		Units
				Min.	Typ.	Max.	Min.	Typ.	
V_{IH}	HIGH Level Input Voltage	1.65 to 1.95		$0.75 V_{CC}$					V
		2.30 to 5.50		$0.7 V_{CC}$					
V_{IL}	LOW Level Input Voltage	1.65 to 1.95				$0.25 V_{CC}$			V
		2.30 to 5.50				$0.3 V_{CC}$			
I_{IN}	Control Input Leakage Current	0 to 5.5	$0 \leq V_{IN} \leq 5.5 \text{ V}$		± 0.05	± 1.00			μA
I_{OFF}	Off Leakage Current	1.65 to 5.50	$0 \leq A, B \leq V_{CC}$		± 0.05	± 10.00			μA
R_{ON}	Switch On Resistance ⁽³⁾	4.5	$V_{IN}=0 \text{ V}, I_{IN}=30 \text{ mA}$		3	7			Ω
			$V_{IN}=2.4 \text{ V}, I_{IN}=15 \text{ mA}$		5	12			
			$V_{IN}=4.5 \text{ V}, I_{IN}=30 \text{ mA}$		7	15			
		3.0	$V_{IN}=0 \text{ V}, I_{IN}=24 \text{ mA}$		4	9			
			$V_{IN}=3 \text{ V}, I_{IN}=24 \text{ mA}$		10	20			
		2.30	$V_{IN}=0 \text{ V}, I_{IN}=8 \text{ mA}$		5	12			
			$V_{IN}=2.3 \text{ V}, I_{IN}=8 \text{ mA}$		13	30			
		1.8	$V_{IN}=0 \text{ V}, I_{IN}=4 \text{ mA}$		7	28			
$V_{IN}=1.8 \text{ V}, I_{IN}=4 \text{ mA}$			25	60					
R_{flat}	On Resistance Flatness ^(3,4,5)	5.0	$I_A = -30 \text{ mA}, 0 \leq V_{Bn} \leq V_{CC}$					6	Ω
		3.3	$I_A = -24 \text{ mA}, 0 \leq V_{Bn} \leq V_{CC}$					12	
		2.5	$I_A = -8 \text{ mA}, 0 \leq V_{Bn} \leq V_{CC}$					28	
		1.8	$I_A = -4 \text{ mA}, 0 \leq V_{Bn} \leq V_{CC}$					125	
I_{CC}	Quiescent Supply Current	1.65 to 5.50	$V_{IN} = V_{CC}$ or $\text{GND}, I_{OUT}=0$		0.05	10.00			μA

Notes:

- Measured by the voltage drop between pins A and B at the indicated current through the switch. On resistance is determined by the lower of the voltages on the two (A or B) pins.
- Parameter is characterized but not tested in production.
- Flatness is defined as the difference between the maximum and minimum value of on resistance over the specified range of conditions.

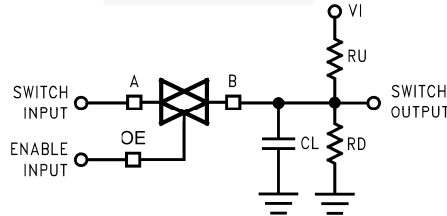
AC Electrical Characteristics

All typical values are at the specified V_{CC} , and $T_A = 25^\circ\text{C}$.

Symbol	Parameter	V_{CC}	Conditions	$T_A = -40 \text{ to } +85^\circ\text{C}$, $C_L = 50\text{Pf}$, $R_U = R_D = 500 \Omega$			Units	Figure
				Min.	Typ.	Max.		
t_{PHL}, t_{PLH}	Propagation Delay Bus-to-Bus ⁽⁶⁾	1.65 to 1.95	$V_{IN} = \text{OPEN}$			4.3	ns	Figure 5 Figure 6
		2.3 to 2.7				1.2		
		3.0 to 3.6				0.8		
		4.5 to 5.5				0.3		
t_{PZL}, t_{PZH}	Output Enable Time	1.65 to 1.95	$V_{IN} = 2 \times V_{CC}$ for t_{PZL} , $V_{IN} = 0 \text{ V}$ for t_{PZH}	1.5	7.0	14.2	ns	Figure 5 Figure 6
		2.3 to 2.7		1.5	3.3	7.0		
		3.0 to 3.6	1.5	2.4	5.5			
		4.5 to 5.5	1.5	2.0	4.5			
t_{PLZ}, t_{PHZ}	Output Disable Time	1.65 to 1.95	$V_{IN} = 2 \times V_{CC}$ for t_{PLZ} , $V_{IN} = 0 \text{ V}$ for t_{PHZ}	1.5	9.2	18.2	ns	Figure 5 Figure 6
		2.3 to 2.7		1.5	5.3	9.0		
		3.0 to 3.6	1.5	4.0	7.0			
		4.5 to 5.5	1.5	2.7	5.0			
C_{IN}	Control Pin Input Capacitance		$V_{CC} = 0$		2		pF	
$C_{I/O}$	Input / Output Capacitance		$V_{CC} = 05.0 \text{ V}$		6		pF	

Note:

6. This parameter is guaranteed by design but is not tested. The switch contributes no propagation delay other than the RC delay of the typical on resistance of the switch and the 50pF load capacitance, when driven by an ideal voltage source (zero output impedance).



Notes:

- Input driven by 50 Ω ; source terminated in 50 Ω .
- C_L includes load and stray capacitance.
- Input PRR=1.0 MHz; $t_w=500 \text{ ns}$.

Figure 4. AC Test Circuit

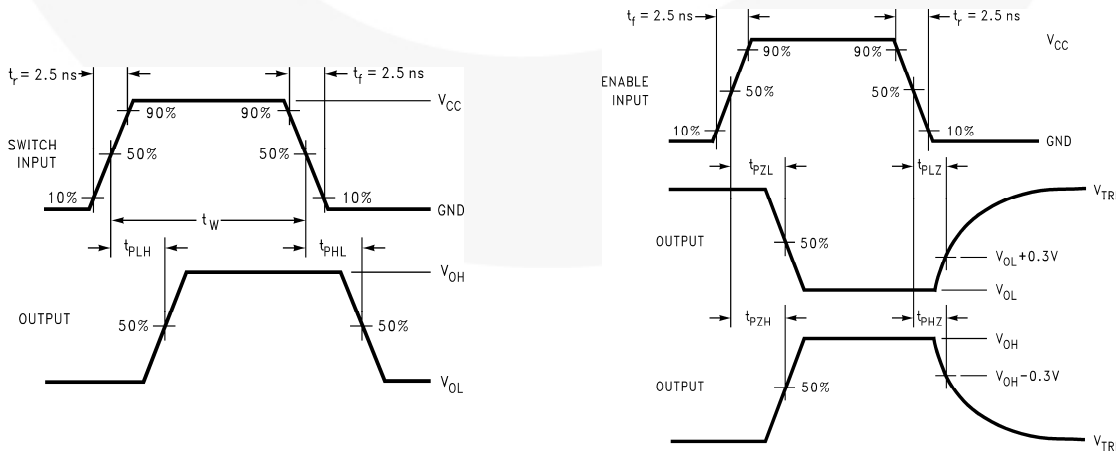


Figure 5. AC Waveforms

Physical Dimensions

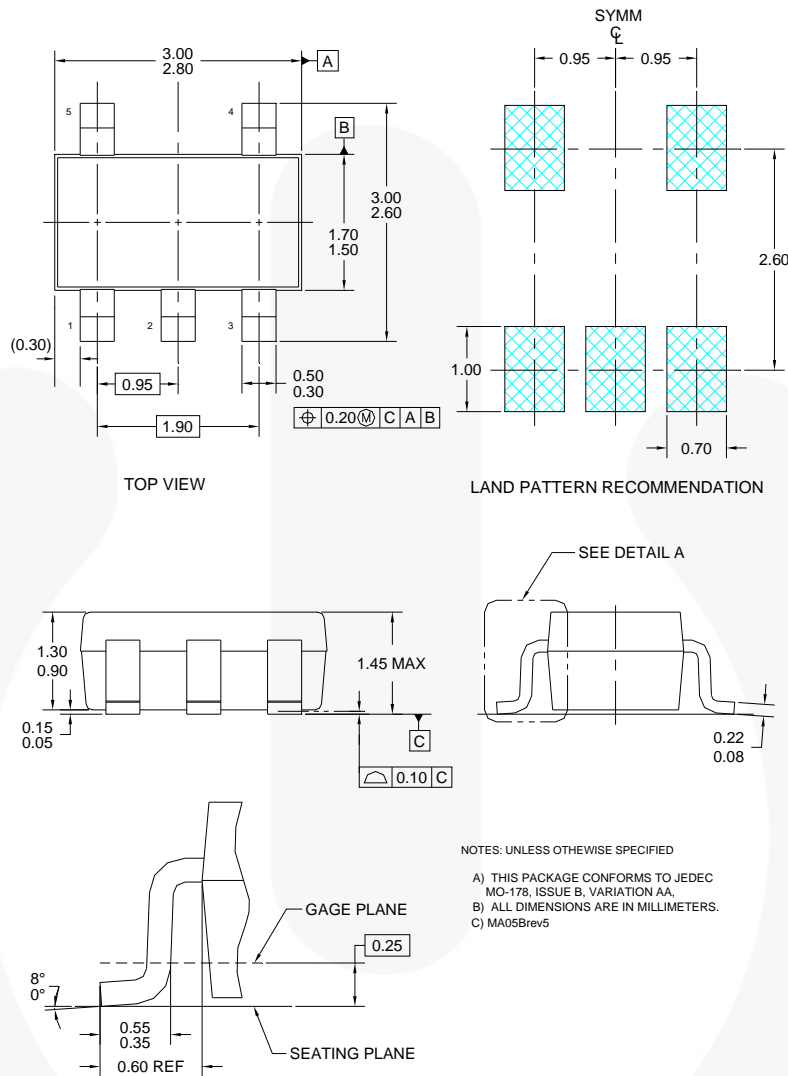


Figure 6. 5-Lead SOT23, JEDEC MO-178 1.6 mm

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.

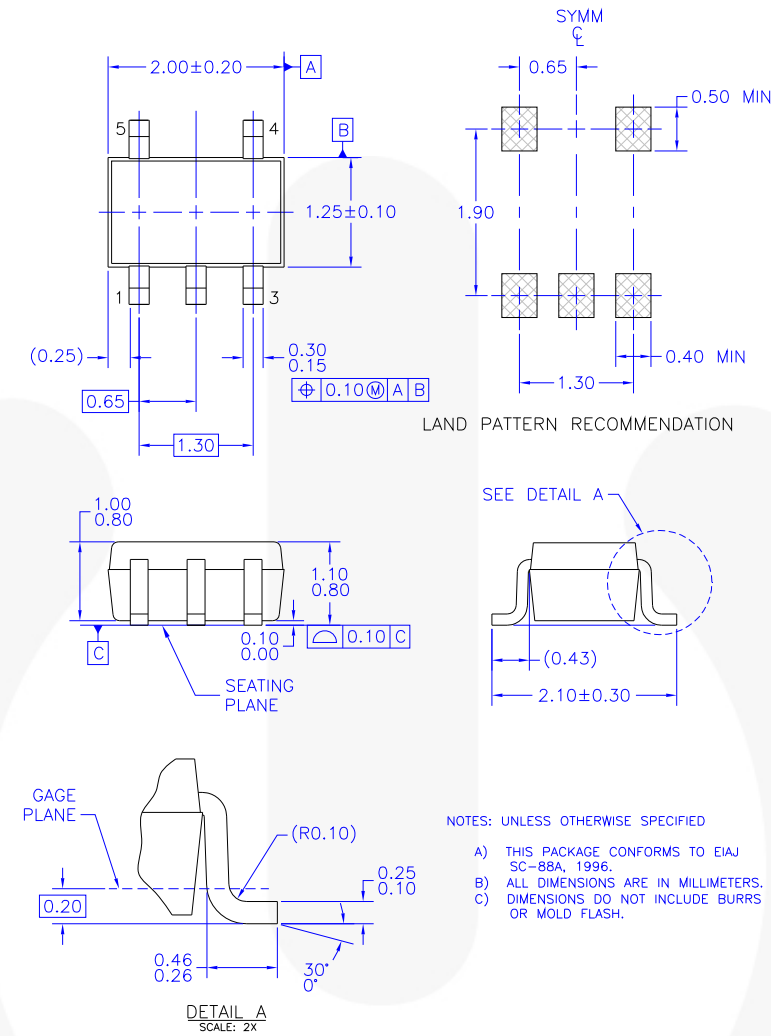
Always visit Fairchild Semiconductor's online packaging area for the most recent package drawings:
<http://www.fairchildsemi.com/packaging/>

Tape and Reel Specifications

Please visit Fairchild Semiconductor's online packaging area for the most recent tape and reel specifications:
http://www.fairchildsemi.com/packaging/SOT23-5L_tr.pdf

Package Designator	Tape Section	Cavity Number	Cavity Status	Cover Type Status
M5X	Leader (Start End)	125 (Typical)	Empty	Sealed
	Carrier	3000	Filled	Sealed
	Trailer (Hub End)	75 (Typical)	Empty	Sealed

Physical Dimensions



MAA05AREV5

Figure 7. 5-Lead, SC70, EIAJ SC-88a, 1.25 mm 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/>.

Tape and Reel Specifications

Please visit Fairchild Semiconductor's online packaging area for the most recent tape and reel specifications:
http://www.fairchildsemi.com/products/analog/pdf/sc70-5_tr.pdf.

Package Designator	Tape Section	Cavity Number	Cavity Status	Cover Type Status
P5X	Leader (Start End)	125 (Typical)	Empty	Sealed
	Carrier	3000	Filled	Sealed
	Trailer (Hub End)	75 (Typical)	Empty	Sealed



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.

- | | | | |
|--------------------------|--|---------------------------------------|------------------|
| AccuPower™ | F-PFST™ | | Sync-Lock™ |
| AX-CAP®* | FRFET® | | SYSTEM GENERAL® |
| BitSiC™ | Global Power Resource™ | PowerTrench® | TinyBoost® |
| Build it Now™ | GreenBridge™ | PowerXS™ | TinyBuck® |
| CorePLUS™ | Green FPS™ | Programmable Active Droop™ | TinyCalc™ |
| CorePOWER™ | Green FPS™ e-Series™ | QFET® | TinyLogic® |
| CROSSVOLT™ | Gmax™ | QST™ | TINYOPTO™ |
| CTL™ | GTO™ | Quiet Series™ | TinyPower™ |
| Current Transfer Logic™ | IntelliMAX™ | RapidConfigure™ | TinyPWM™ |
| DEUXPEED® | ISOPLANAR™ | | TinyWire™ |
| Dual Cool™ | Making Small Speakers Sound Louder and Better™ | Saving our world, 1mW/W/kW at a time™ | TransiC™ |
| EcoSPARK® | MegaBuck™ | SignalWise™ | TriFault Detect™ |
| EfficientMax™ | MICROCOUPLER™ | SmartMax™ | TRUECURRENT®* |
| ESBC™ | MicroFET™ | SMART START™ | µSerDes™ |
| Fairchild® | MicroPak™ | Solutions for Your Success™ | SerDes™ |
| Fairchild Semiconductor® | MicroPak2™ | SPM® | UHC™ |
| FACT Quiet Series™ | MillerDrive™ | STEALTH™ | Ultra FRFET™ |
| FACT® | MotionMax™ | SuperFET® | UniFET™ |
| FAST® | mWSaver® | SuperSOT™-3 | Vcx™ |
| FastvCore™ | OptoHiT™ | SuperSOT™-6 | VisualMax™ |
| FETBench™ | OPTOLOGIC® | SuperSOT™-8 | VoltagePlus™ |
| FPS™ | OPTOPLANAR® | SupreMOS® | XST™ |
| | | SyncFET™ | |

* Trademarks of System General Corporation, used under license by Fairchild Semiconductor.

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.

As used herein:

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.

ANTI-COUNTERFEITING POLICY

Fairchild Semiconductor Corporation's Anti-Counterfeiting Policy. Fairchild's Anti-Counterfeiting Policy is also stated on our external website, www.fairchildsemi.com, under Sales Support.

Counterfeiting of semiconductor parts is a growing problem in the industry. All manufacturers of semiconductor products are experiencing counterfeiting of their parts. Customers who inadvertently purchase counterfeit parts experience many problems such as loss of brand reputation, substandard performance, failed applications, and increased cost of production and manufacturing delays. Fairchild is taking strong measures to protect ourselves and our customers from the proliferation of counterfeit parts. Fairchild strongly encourages customers to purchase Fairchild parts either directly from Fairchild or from Authorized Fairchild Distributors who are listed by country on our web page cited above. Products customers buy either from Fairchild directly or from Authorized Fairchild Distributors are genuine parts, have full traceability, meet Fairchild's quality standards for handling and storage and provide access to Fairchild's full range of up-to-date technical and product information. Fairchild and our Authorized Distributors will stand behind all warranties and will appropriately address any warranty issues that may arise. Fairchild will not provide any warranty coverage or other assistance for parts bought from Unauthorized Sources. Fairchild is committed to combat this global problem and encourage our customers to do their part in stopping this practice by buying direct or from authorized distributors.

PRODUCT STATUS DEFINITIONS

Definition of Terms

Datasheet Identification	Product Status	Definition
Advance Information	Formative / In Design	Datasheet contains the design specifications for product development. Specifications may change in any manner without notice.
Preliminary	First Production	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	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	Datasheet contains specifications on a product that is discontinued by Fairchild Semiconductor. The datasheet is for reference information only.

Rev. 166

ON Semiconductor and  are trademarks of Semiconductor Components Industries, LLC dba ON Semiconductor or its subsidiaries in the United States and/or other countries. ON Semiconductor owns the rights to a number of patents, trademarks, copyrights, trade secrets, and other intellectual property. A listing of ON Semiconductor's product/patent coverage may be accessed at www.onsemi.com/site/pdf/Patent-Marking.pdf. ON Semiconductor reserves the right to make changes without further notice to any products herein. ON Semiconductor makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose, nor does ON Semiconductor assume any liability arising out of the application or use of any product or circuit, and specifically disclaims any and all liability, including without limitation special, consequential or incidental damages. Buyer is responsible for its products and applications using ON Semiconductor products, including compliance with all laws, regulations and safety requirements or standards, regardless of any support or applications information provided by ON Semiconductor. "Typical" parameters which may be provided in ON Semiconductor data sheets and/or specifications can and do vary in different applications and actual performance may vary over time. All operating parameters, including "Typicals" must be validated for each customer application by customer's technical experts. ON Semiconductor does not convey any license under its patent rights nor the rights of others. ON Semiconductor products are not designed, intended, or authorized for use as a critical component in life support systems or any FDA Class 3 medical devices or medical devices with a same or similar classification in a foreign jurisdiction or any devices intended for implantation in the human body. Should Buyer purchase or use ON Semiconductor products for any such unintended or unauthorized application, Buyer shall indemnify and hold ON Semiconductor and its officers, employees, subsidiaries, affiliates, and distributors harmless against all claims, costs, damages, and expenses, and reasonable attorney fees arising out of, directly or indirectly, any claim of personal injury or death associated with such unintended or unauthorized use, even if such claim alleges that ON Semiconductor was negligent regarding the design or manufacture of the part. ON Semiconductor is an Equal Opportunity/Affirmative Action Employer. This literature is subject to all applicable copyright laws and is not for resale in any manner.

PUBLICATION ORDERING INFORMATION

LITERATURE FULFILLMENT:

Literature Distribution Center for ON Semiconductor
19521 E. 32nd Pkwy, Aurora, Colorado 80011 USA
Phone: 303-675-2175 or 800-344-3860 Toll Free USA/Canada
Fax: 303-675-2176 or 800-344-3867 Toll Free USA/Canada
Email: orderlit@onsemi.com

N. American Technical Support: 800-282-9855 Toll Free
USA/Canada
Europe, Middle East and Africa Technical Support:
Phone: 421 33 790 2910
Japan Customer Focus Center
Phone: 81-3-5817-1050

ON Semiconductor Website: www.onsemi.com
Order Literature: <http://www.onsemi.com/orderlit>
For additional information, please contact your local
Sales Representative

Mouser Electronics

Authorized Distributor

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

[ON Semiconductor:](#)

[NC7SZ66L6X](#) [NC7SZ66M5X](#) [NC7SZ66P5X](#)

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



Тел: +7 (812) 336 43 04 (многоканальный)

Email: org@lifeelectronics.ru