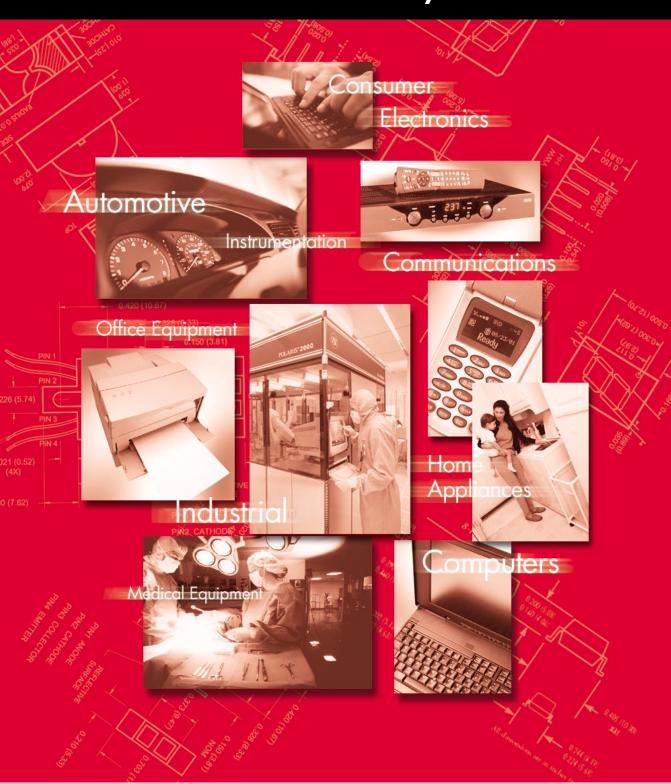
Optoelectronics -

No matter where you look.



<u>There we are.</u>

Fairchild is a leader in the design and production of optocouplers, LED lamps, LED displays, and infrared components. Offering industry-standard and application-specific devices for computer, communications, automotive, consumer, and industrial markets, the group's portfolio is comprehensive. It features a variety of advanced solutions such as a full-color spectrum of low-power and high-brightness SMD LEDs, infrared sensing, mini-flat packaged optocouplers, surface-mount infrared LEDs, optically coupled Solid State Relays, and isolated error amplifiers.

advanced Solutions or what you do, there we are.

Optocouplers

Communications
Computing
Consumer

Industrial

Fairchild offers a broad range of package platforms, incorporating various combinations of input and output configurations. Packages include 4-pin MFP; 4-pin, 6-pin, and 8-pin DIP; and 8-pin SOIC. Fairchild offers simple function optocouplers for low-bandwidth/general switching applications, high-performance optocouplers for high bandwidth/high-gain applications, high-voltage optocouplers for AC load switching applications, and other more complex functions that provide unique performance characteristics. In addition, the optocouplers offer a wide range of safety approval certification.

Communications

Cell Phones

Battery charger HMA2701, MOC207M, FOD2741A

Telephones/ Facsimile

Telephone line interface H11A817D, H11B815, H11G1, HSR312 Polarity detection MOCD207M, MOCD213M

Cross point switch

Ring signal detection HMAA2705, MOC256M

Computing

Printers Power supply

voltage regulator
MOC207M
Isolation between AC
line and digital logic
CNY17F-3

Notebook PCs

AC Adapter FOD2712, H11A817, FOD2741A

Photocopiers

Power supply voltage regulator H11C4 Fan motor and copy lamp MOC3063M

Industrial

Factory Automation (Process Controllers)

High speed logic ground isolation HCPL-0600, HCPL-2631

Switch Mode Power Supplies

Over-voltage protection MOC3052M, H11C4

AC Line monitor HCPL-3700, MID400

Feedback loop isolation H11A817B, CNY17F-3, FOD2741A

Consumer

Set Top Box

Power Supply: isolation in the feedback loop HMA121, FOD2712, H11A817

Interface between high and low voltage circuit MOC207

hook switch HSR312 Ring signal detection HMAA2705.

Modem: on/off

H11AA814

Inverter Controlled Air Conditioner

Power transit control
6N137, HCPL-2631
Igniter drive/evaporation
MOC3023M

Appliances

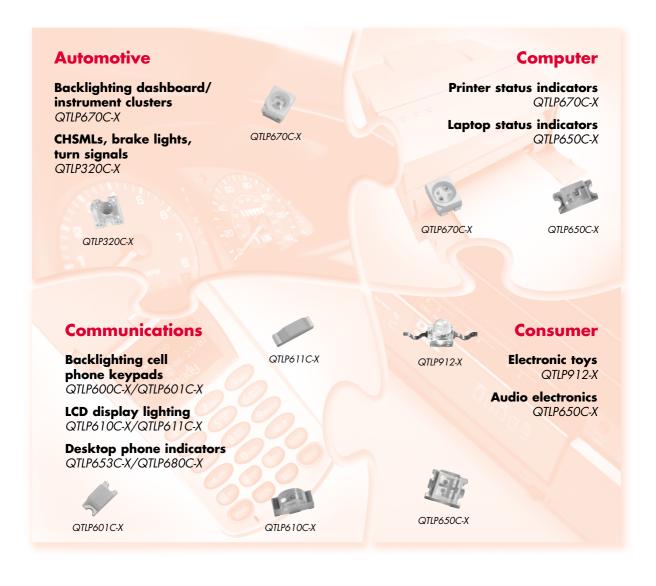
AC line to digital logic isolation CNY17F-3, CNY17-3 Fan motor drive MOC3052M Defrosting heater drive (refrigerator) MOC3023M



LED Lamps

Automotive Communications Computer S Consumer

Fairchild provides a full-color spectrum of low-power and high-brightness surface-mount LEDs for illumination, backlighting, and status indication applications.

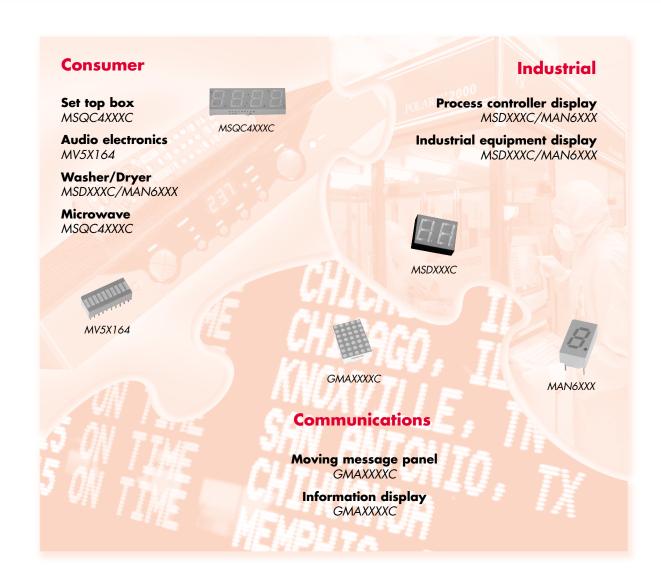




LED Displays

Communications
Consumer
Industrial

Fairchild's LED displays incorporate low current capability, low power consumption, and high brightness in a compact, highly reliable frame.

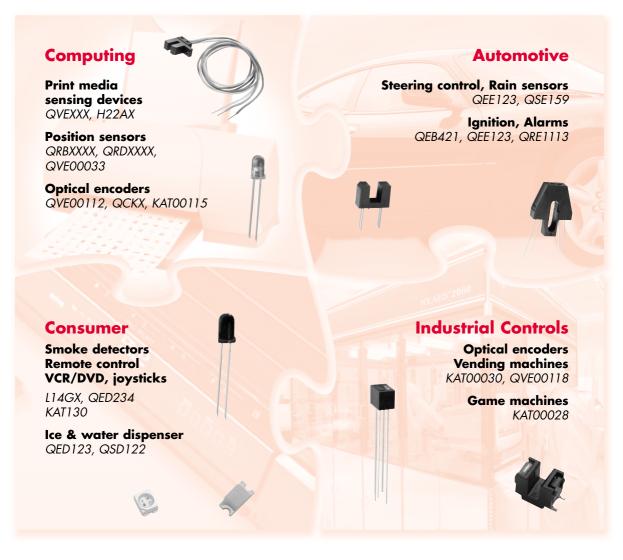




Infrared Products

Automotive
Computing
Consumer
Industrial Controls

Fairchild offers a diverse range of standard, as well as custom infrared devices to meet customers' specific design requirements. The portfolio includes light emitting diodes, photosensors, transmissive and reflective opto sensors.





Optoelectronics

Description	Web Address
Product home page	www.fairchildsemi.com/optosolutions
Safety Agency Certificates	www.fairchildsemi.com/sac
New products	www.fairchildsemi.com/whats_new/#opto
Presentations, literature, intelligence, power campaign, etc.	www.syberworks.com/Fairchild
Application notes	www.fairchildsemi.com/apnotes

Reference Tools

Description	Web Address	
Cross-reference page	www.fairchildsemi.com/crossref/crossref.jsp	
Reverse cross-reference page	www.syberworks.com/Fairchild (under Sales Tools)	
Distributor inventory check	www.fairchildsemi.com/buy_products	

Regional Marketing Contacts

www.syberworks.com/Fairchild

(under Sales Tools)

Optoelectronics Literature

Description October 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Literature #
Infrared Products Selection Guide	250002-001
Optocouplers and Solid State Relays Selection Guide	250001-001
Optoelectronics Product Portfolio Brochure	240009-001
Solid State Relay Brochure	240008-001
Surface Mount LED Lamps Brochure	240006-001
October 2001 Optoelectronics Design Solutions Brochure	240007-001
July 2001 Optoelectronics Design Solutions Brochure	g 240003-001
Optoelectronics Power Solutions Brochure	240005-001
Optically Isolated Error Amplifier (FOD2712) Brochure	240004-001
Small Outline Package Optocoupler Brochure	240002-001
Optoelectronics Applications Brochure	240001-001

www.fairchildsemi.com/optosolutions

Across the board. Around the world™



