



## Welcome to the **Isocom Components** information booklet!

Inside you will find details of our extensive range of optocouplers and other optoelectronics devices including:

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In addition, **Isocom Components** is committed to expanding and enhancing its product range so please contact us if your part number is not shown or if you require technical assistance.

**Isocom Components** has been a leading supplier of infrared optoelectronic devices for over fifteen years and product families include all popular commercial optocoupler industry standard types including many no longer supplied by other manufacturers. Industry standard and custom switches for motion sensing, position sensing, and encoding also form a substantial part of our range.

**Isocom Components** undertakes final assembly, marking, lead forming, testing, and quality control at its facility in Hartlepool in the North East of England. Original components are sourced from world class approved suppliers in the Far East and elsewhere to ensure cost competitiveness and the highest quality standards.

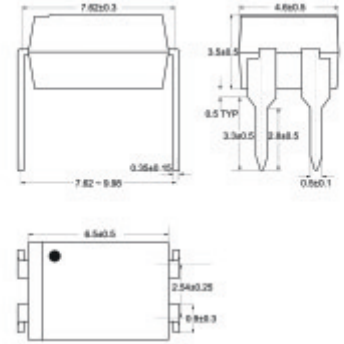
We offer the shortest manufacturing lead times in the world for many parts and are proud of our fast turnaround capability whilst maintaining our excellent product quality.

Why settle for lengthy lead times when we can deliver your components at a time when you need them?

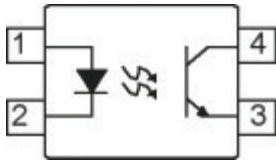
For all the latest news and new product offerings please visit our website at [www.isocom.com](http://www.isocom.com)

**Special Selections • Just-In-Time Delivery • Superior Service  
Short Lead Times • Unbeatable Quality • Technical Support**

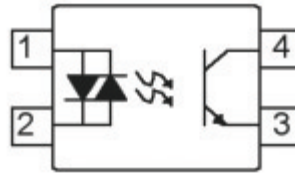
# 4 Pin DIL & SMD Optocouplers



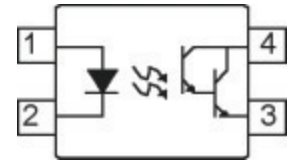
## Transistor Output



## AC Input



## Darlington Output



## Description

The 4 pin transistor output series of optically coupled isolators consist of an infrared light emitting diode and a NPN silicon phototransistor in a space efficient dual-in-line plastic package.

## Description

The 4 pin AC input series of optically coupled isolators consist of two infrared light emitting diodes connected in inverse parallel and a NPN silicon phototransistor in a space efficient dual-in-line plastic package.

## Description

The 4 pin darlington output series of optically coupled isolators consist of an infrared light emitting diode and a NPN silicon photodarlington to give superior gain in a space efficient dual-in-line plastic package.

## Features

- High Current Transfer Ratio
- High Isolation Voltage
- All electrical parameters 100% tested
- Custom electrical selections available

## Features

- High Isolation Voltage
- AC or polarity insensitive input
- All electrical parameters 100% tested
- Custom electrical selections available

## Features

- High Current Transfer Ratio
- High Isolation Voltage
- All electrical parameters 100% tested
- Custom electrical selections available

## Applications

- Switch mode power supplies
  - Household appliances
  - Computer terminals
- Industrial systems controllers
  - Measuring instruments
- Signal transmission between systems of different potentials and impedances

# 4 Pin DIL & SMD Optocouplers (Part Numbers)

## Transistor Output

ISP321-1  
ISP521-1  
ISP621-1  
ISP624-1  
ISP817  
ISP817-1  
ISP817-2  
ISP817-3  
ISP817A  
ISP817B  
ISP817C  
ISP817D  
PS2501-1  
SFH615A-1  
SFH615A-2  
SFH615A-3  
SFH615A-4  
SFH617A-1  
SFH617A-2  
SFH617A-3  
SFH617A-4

SFH617G-1  
SFH617G-2  
SFH617G-3  
SFH617G-4  
SFH618A-1  
SFH618A-2  
SFH618A-3  
SFH618A-4  
TIL191  
TIL191A  
TIL191B  
TLP321-1  
TLP521-1  
TLP621-1  
TLP624-1

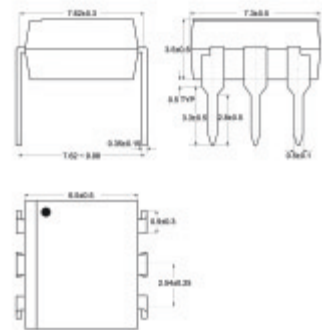
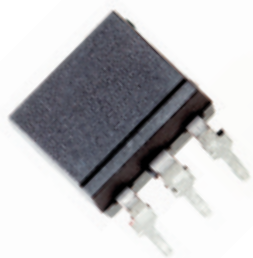
## AC Input

ISP620-1  
ISP626-1  
ISP814  
ISP814-1  
ISP814-2  
ISP814-3  
PS2505-1  
SFH620A-1  
SFH620A-2  
SFH620A-3  
SFH628A-1  
SFH628A-2  
SFH628A-3  
TIL194  
TIL194A  
TIL194B  
TLP620-1  
TLP626-1

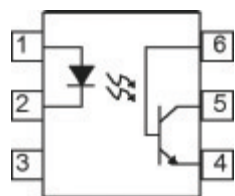
## Darlington Output

ISP627-1  
ISP815  
ISP815-1  
ISP815-2  
ISP815-3  
PS2502-1  
TIL197  
TIL197A  
TIL197B  
TLP627-1

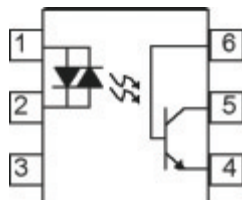
# 6 Pin DIL & SMD Optocouplers



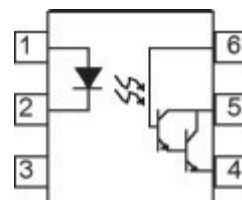
## Transistor Output



## AC Input



## Darlington Output



### Description

The 6 pin transistor output series of optically coupled isolators consist of an infrared light emitting diode and a NPN silicon phototransistor in a dual-in-line plastic package.

### Description

The 6 pin AC input series of optically coupled isolators consist of two infrared light emitting diodes connected in inverse parallel and a NPN silicon phototransistor in a dual-in-line plastic package.

### Description

The 6 pin darlington output series of optically coupled isolators consist of an infrared light emitting diode and a NPN silicon photodarlington to give superior gain in a dual-in-line plastic package.

### Features

- High Current Transfer Ratio
- High Isolation Voltage
- All electrical parameters 100% tested
- Custom electrical selections available

### Features

- High Isolation Voltage
- AC or polarity insensitive input
- All electrical parameters 100% tested
- Custom electrical selections available

### Features

- High Current Transfer Ratio
- High Isolation Voltage
- All electrical parameters 100% tested
- Custom electrical selections available

## Applications

- Switch mode power supplies
  - Household appliances
  - Computer terminals
- Industrial systems controllers
  - Measuring instruments
- Signal transmission between systems of different potentials and impedances

# 6 Pin DIL & SMD Optocouplers (Part Numbers)

## Transistor Output

4N25  
4N26  
4N27  
4N28  
4N35  
4N36  
4N37  
4N38  
4N38A  
CNX62A\*  
CNX72A  
CNX82A\*  
CNX83AG  
CNY17-1  
CNY17-2  
CNY17-3  
CNY17-4  
CNY17-5  
CNY17F-1\*  
CNY17F-2\*  
CNY17F-3\*  
CNY17F-4\*

CNY17F-5\*  
CNY75A  
CNY75B  
CNY75C  
CQY80  
H11A1  
H11A2  
H11A3  
H11A4  
H11A5  
H11AV1  
H11AV2  
H11AV3  
IL1  
IL2  
IL5  
IL74  
IS1  
IS201  
IS202  
IS203  
IS204

IS204-1  
IS204-2  
IS204-3  
IS205\*  
IS205-1\*  
IS205-2\*  
IS205-3\*  
IS206\*  
IS5  
IS74  
MCT2  
MCT210  
MCT2200  
MCT2201  
MCT2202  
MCT270  
MCT271  
MCT272  
MCT273  
MCT274  
MCT275  
MCT276

MCT277  
MCT2E  
MOC8100  
MOC8101\*  
MOC8102\*  
MOC8103\*  
MOC8104\*  
MOC8105\*  
MOC8106\*  
MOC8107\*  
MOC8108\*  
MOC8111\*  
MOC8112\*  
MOC8113\*  
SFH600-0  
SFH600-1  
SFH600-2  
SFH600-3  
SFH600-4  
SFH601-1  
SFH601-2  
SFH601-3

SFH601-4  
SFH601-5  
SFH609-1  
SFH609-2  
SFH609-3  
SFH609-4  
TIL111  
TIL112  
TIL114  
TIL116  
TIL117

## AC Input

CNY35  
H11AA1  
H11AA2  
H11AA3  
H11AA4  
IS604  
IS733

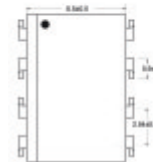
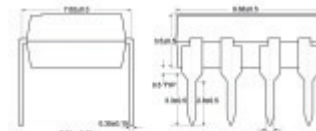
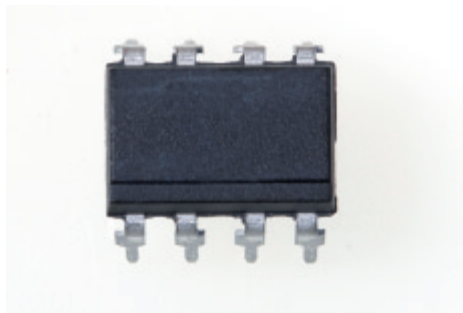
## Darlington Output

4N29  
4N30  
4N31  
4N32  
4N33  
H11B1  
H11B2  
H11B3  
H11G1  
H11G2  
H11G3  
IS4N46  
IS660  
IS661  
IS662  
IS7000  
IS725  
ISPD60\*  
ISPD61\*  
ISPD62\*  
ISPD63\*  
ISPD64\*

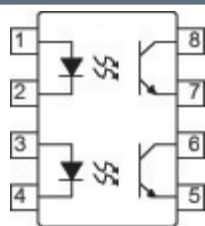
ISPD65\*  
MCA2230  
MCA2231  
MCA2255  
MCA230  
MCA231  
MCA255  
MOC8020\*  
MOC8021\*  
MOC8030\*  
MOC8050\*  
MOC8080  
TIL113  
TIL119\*

\*Base lead not connected

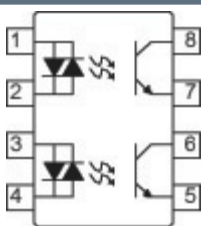
# 8 Pin DIL & SMD Optocouplers



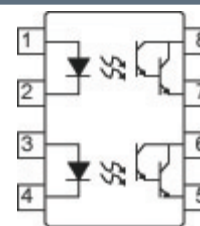
## Transistor Output



## AC Input



## Darlington Output



### Description

The 8 pin transistor output series of optically coupled isolators consist of two infrared light emitting diodes and two NPN silicon phototransistors in a dual-in-line plastic package.

### Description

The 8 pin AC input series of optically coupled isolators consist of two pairs of infrared light emitting diodes connected in inverse parallel and two NPN silicon phototransistors in a dual-in-line plastic package.

### Description

The 8 pin darlington output series of optically coupled isolators consist of two infrared light emitting diodes and two NPN silicon photodarlington transistors to give superior gain in a dual-in-line plastic package.

### Features

- High Current Transfer Ratio
- High Isolation Voltage
- Two independent channels
- All electrical parameters 100% tested
- Custom electrical selections available

### Features

- High Isolation Voltage
- AC or polarity insensitive input
- Two independent channels
- All electrical parameters 100% tested
- Custom electrical selections available

### Features

- High Current Transfer Ratio
- High Isolation Voltage
- Two independent channels
- All electrical parameters 100% tested
- Custom electrical selections available

## Applications

- Switch mode power supplies
  - Household appliances
  - Computer terminals
- Industrial systems controllers
  - Measuring instruments
- Signal transmission between systems of different potentials and impedances

## 8 Pin DIL & SMD Optocouplers Part Numbers

### Transistor Output

ISP321-2  
ISP521-2  
ISP621-2  
ISP624-2  
ISP827  
ISP827-1  
ISP827-2  
ISP827-3  
PS2501-2  
TIL192  
TIL192A  
TIL192B  
TLP321-2  
TLP521-2  
TLP621-2  
TLP624-2

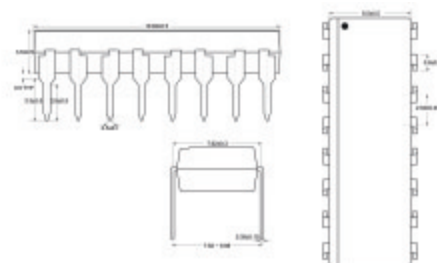
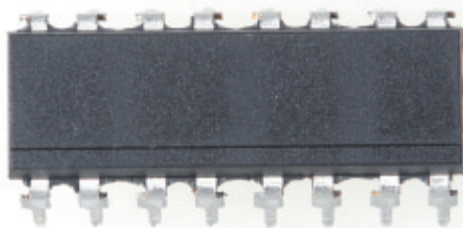
### AC Input

ISP620-2  
ISP626-2  
ISP824  
PS2505-2  
TIL195  
TIL195A  
TIL195B  
TLP620-2  
TLP626-2

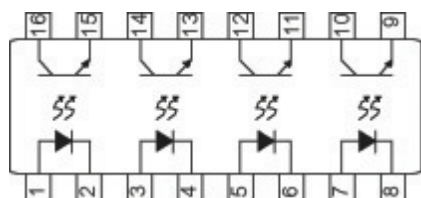
### Darlington Output

ISP825  
ISP825-1  
ISP825-2  
ISP825-3  
PS2502-2  
TIL198  
TIL198A  
TIL198B

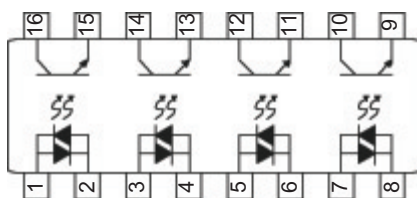
# 16 Pin DIL & SMD Optocouplers



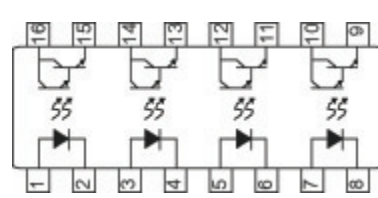
## Transistor Output



## AC Input



## Darlington Output



### Description

The 16 pin transistor output series of optically coupled isolators consist of four infrared light emitting diodes and four NPN silicon phototransistors in a dual-in-line plastic package.

### Description

The 16 pin AC input series of optically coupled isolators consist of four pairs of infrared light emitting diodes connected in inverse parallel and four NPN silicon phototransistors in a dual-in-line plastic package.

### Description

The 16 pin darlington output series of optically coupled isolators consist of four infrared light emitting diodes and four NPN silicon photodarlington to give superior gain in a dual-in-line plastic package.

### Features

- High Current Transfer Ratio
- High Isolation Voltage
- Four independent channels
- All electrical parameters 100% tested
- Custom electrical selections available

### Features

- High Isolation Voltage
- AC or polarity insensitive input
- Four independent channels
- All electrical parameters 100% tested
- Custom electrical selections available

### Features

- High Current Transfer Ratio
- High Isolation Voltage
- Four independent channels
- All electrical parameters 100% tested
- Custom electrical selections available

## Applications

- Switch mode power supplies
  - Household appliances
  - Computer terminals
- Industrial systems controllers
  - Measuring instruments
- Signal transmission between systems of different potentials and impedances

## 16 Pin DIL & SMD Optocouplers (Part Numbers)

### Transistor Output

ISP321-4  
ISP521-4  
ISP621-4  
ISP624-4  
ISP847  
ISP847-1  
ISP847-2  
ISP847-3  
PS2501-4  
TIL193  
TIL193A  
TIL193B  
TLP321-4  
TLP521-4  
TLP621-4  
TLP624-4

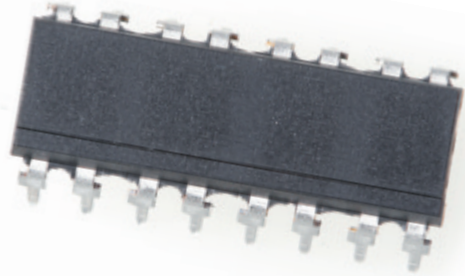
### AC Input

ISP620-4  
ISP626-4  
ISP844  
PS2505-4  
TIL196  
TIL196A  
TIL196B  
TLP620-4  
TLP626-4

### Darlington Output

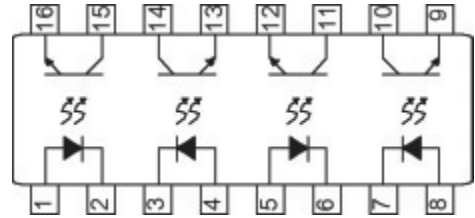
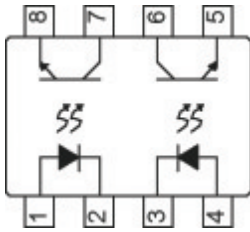
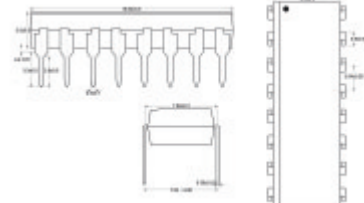
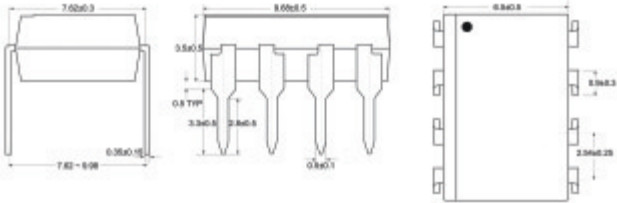
ISP845  
ISP845-1  
ISP845-2  
ISP845-3  
PS2502-4  
TIL199  
TIL199A  
TIL199B

# 8 & 16 Pin Symmetrical Terminal Configuration DIL & SMD Optocouplers



## 8 Pin Transistor Output

## 16 Pin Transistor Output



### Description

This 8 pin series of optically coupled isolators consist of two infrared light emitting diodes and two NPN silicon phototransistors with a symmetrical terminal configuration in a dual-in-line plastic package.

### Description

This 16 pin series of optically coupled isolators consist of four infrared light emitting diodes and four NPN silicon phototransistors with a symmetrical terminal configuration in a dual-in-line plastic package.

### Features

- High Current Transfer Ratio
- High Isolation Voltage
- Two independent channels
- European style symmetrical pin out
- All electrical parameters 100% tested
- Custom electrical selections available

### Features

- High Current Transfer Ratio
- High Isolation Voltage
- Four independent channels
- European style symmetrical pin out
- All electrical parameters 100% tested
- Custom electrical selections available

### Applications

- Switch mode power supplies
  - Household appliances
  - Computer terminals
- Industrial systems controllers
  - Measuring instruments
- Signal transmission between systems of different potentials and impedances

## 8 & 16 Pin Symmetrical Terminal Configuration DIL & SMD Optocouplers (Part Numbers)

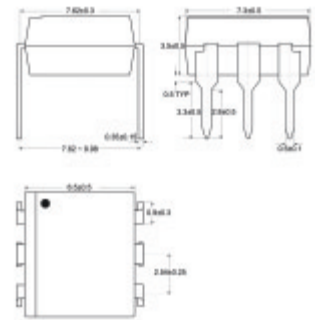
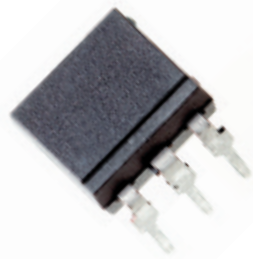
### 8 Pin Transistor Output

### 16 Pin Transistor Output

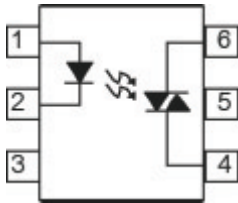
LD1  
ILD2  
ILD5  
ILD74  
IS829  
ISD1  
ISD2  
ISD201  
ISD202  
ISD203  
ISD204  
ISD204-1  
ISD204-2  
ISD204-3  
ISD5  
ISD74  
MCT6  
MCT61  
MCT62  
MCT66

ILQ1  
ILQ2  
ILQ5  
ILQ74  
IS849  
ISQ1  
ISQ2  
ISQ201  
ISQ202  
ISQ203  
ISQ204  
ISQ204-1  
ISQ204-2  
ISQ204-3  
ISQ5  
ISQ74

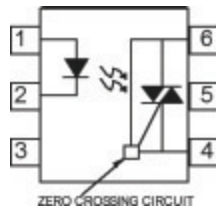
# Special Purpose 6 Pin DIL & SMD Optocouplers



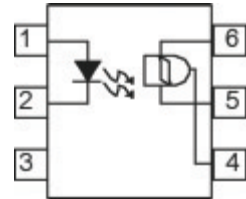
## Random Phase Triac



## Zero Crossing Triac



## Schmitt Trigger



### Description

The non-zero voltage crossing triac series are optically coupled isolators consisting of a Gallium Arsenide infrared emitting diode coupled with a light activated silicon bilateral switch performing the functions of a triac mounted in a standard 6 pin dual-in-line package.

### Description

The zero voltage crossing triac series are optically coupled isolators consisting of a Gallium Arsenide infrared emitting diode coupled with a monolithic silicon detector performing the functions of a zero crossing bilateral triac mounted in a standard 6 pin dual-in-line package.

### Description

The Schmitt Trigger series are optically coupled isolators consisting of a Gallium Arsenide infrared emitting diode and a Microprocessor Compatible Schmitt trigger output mounted in a standard 6 pin dual-in-line package.

### Features

- High Isolation Voltage
- Up to 600V Peak Blocking Voltage
- High dV/dt
- All electrical parameters 100% tested
- Custom electrical selections available

### Features

- High Isolation Voltage
- Up to 800V Peak Blocking Voltage
- Zero voltage crossing
- High dV/dt
- All electrical parameters 100% tested
- Custom electrical selections available

### Features

- High Isolation Voltage
- High data rate
- Microprocessor compatible drive
- Fast switching
- Wide supply voltage capability
- Guaranteed on / off threshold hysteresis

## Applications

- CRT's
- Power Triac Driver
  - Motors
- Dimmer Switch
- Consumer Appliances
  - Printers

- Logic to logic isolator
- Line receiver
- Programmable current level sensor
- AC to TTL conversion
- Digital programming of power supplies
- Interfaces computers with peripherals

## Special Purpose 6 Pin DIL & SMD Optocouplers (Part Numbers)

### Random Phase Triac

H11J1  
H11J2  
H11J3  
H11J4  
H11J5  
IS3009  
IS3010  
IS3011  
IS3012  
IS3020  
IS3021  
IS3022  
IS3023  
IS3051  
IS3052  
IS6003  
IS6005  
IS6010  
IS6015  
IS6030  
IS607

IS608  
MOC3009  
MOC3010  
MOC3011  
MOC3012  
MOC3020  
MOC3021  
MOC3022  
MOC3023  
MOC3051  
MOC3052

### Zero Crossing Triac

IS3030  
IS3031  
IS3032  
IS3033  
IS3040  
IS3041  
IS3042  
IS3043  
IS3060  
IS3061  
IS3062  
IS3063  
IS3080  
IS3081  
IS3082  
IS3083  
IS620  
IS621  
IS622  
IS623  
MOC3030

MOC3031  
MOC3032  
MOC3033  
MOC3040  
MOC3041  
MOC3042  
MOC3043  
MOC3060  
MOC3061  
MOC3062  
MOC3063  
MOC3080  
MOC3081  
MOC3082  
MOC3083

### Schmitt Trigger

H11L1  
H11L2  
H11L3  
H11L4  
IS609  
IS900  
MOC5007  
MOC5008  
MOC5009

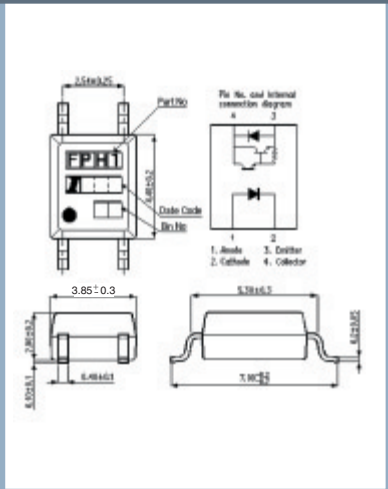
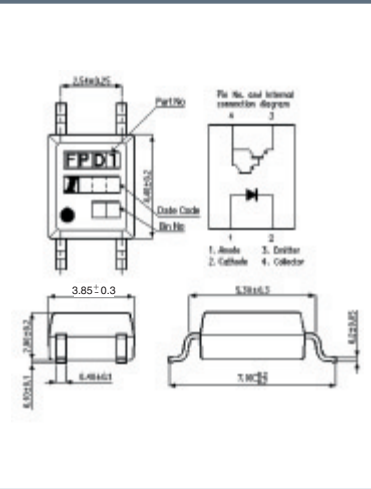
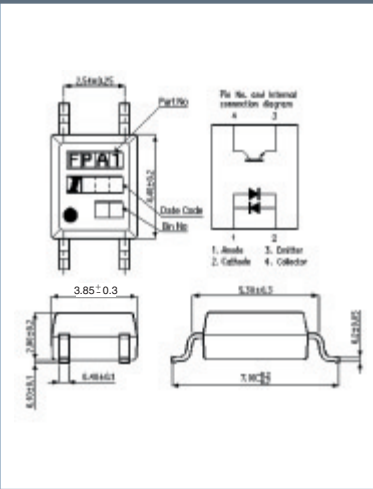
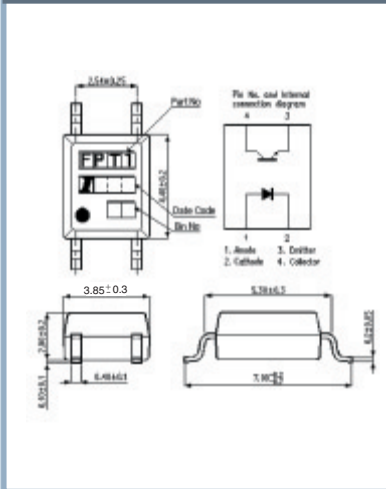
# Small Outline Package SMD Optocouplers

## Transistor Output

## AC Input

## Darlington Output

## HV Darlington Output



### Description

### Description

### Description

### Description

The 4 pin transistor output series of optically coupled isolators consist of an infrared light emitting diode and a NPN silicon phototransistor in a space efficient plastic package.

The 4 pin AC input series of optically coupled isolators consist of two infrared light emitting diodes connected in inverse parallel and a NPN silicon phototransistor in a space efficient plastic package.

The 4 pin darlington output series of optically coupled isolators consist of an infrared light emitting diode and a NPN silicon photodarlington in a space efficient plastic package.

The 4 pin high voltage darlington output series of optically coupled isolators consist of an infrared light emitting diode and a high voltage NPN silicon photodarlington which has an integral base-emitter resistor (to optimise switching speed and elevated temperature characteristics) in a space efficient plastic package.

### Features

### Features

### Features

### Features

- Marked as FPT1
- Current Transfer Ratio min. 50%
- All electrical parameters 100% tested

- Marked as FPA1
- Current Transfer Ratio min. 20%
- All electrical parameters 100% tested

- Marked as FPD1
- Current Transfer Ratio min. 600%
- All electrical parameters 100% tested

- Marked as FPH1
- Current Transfer Ratio min. 1000%
- High collector-emitter voltage
- All electrical parameters 100% tested

## Applications

- Switch mode power supplies
  - Household appliances
  - Computer terminals
- Industrial systems controllers
  - Measuring instruments
- Signal transmission between systems of different potentials and impedances





# Small Outline Package SMD Optocouplers

## Part Numbers

Transistor Output	AC Input	Darlington Output	HV Darlington Output
IS121 IS181 IS2701-1 IS357	IS126 IS2705-1 IS354	IS2702-1 IS355	IS127 IS2732-1 IS452

...plus many more. If your required part number is not shown please contact us to discuss your requirements. All parts conform to the EU RoHS Directive 2002/95/EC.

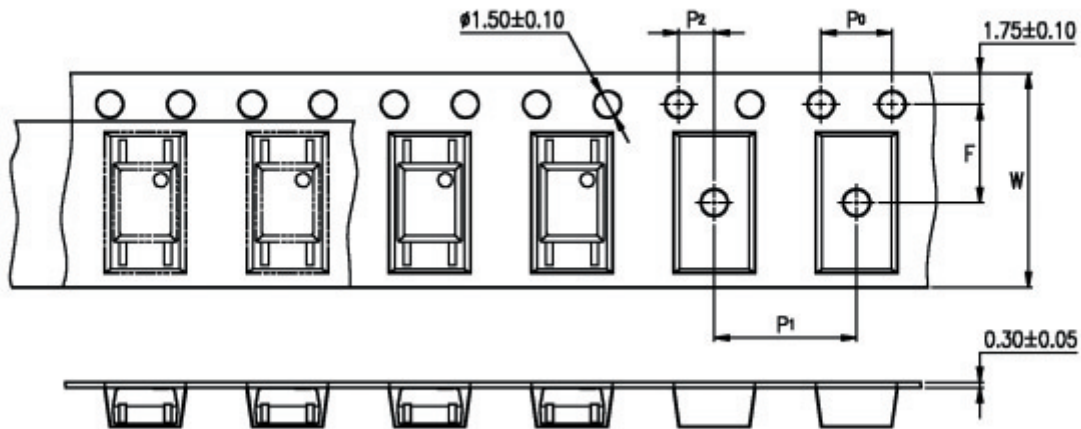
## Lead Form & Packaging Options

- All devices are supplied in surface mount lead form and in Tape and Reel packaging.

## For Price & Delivery

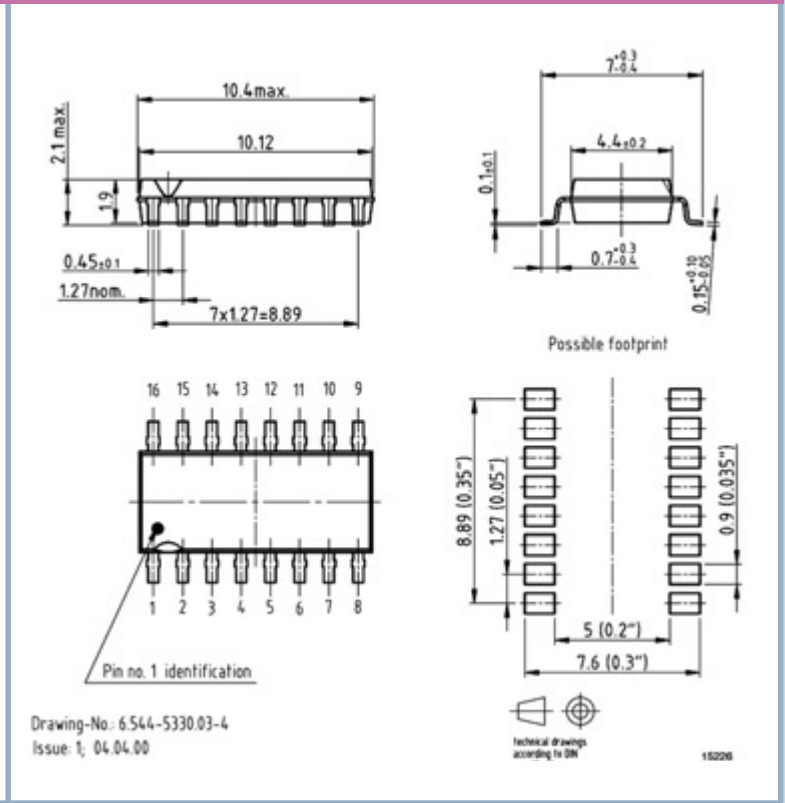
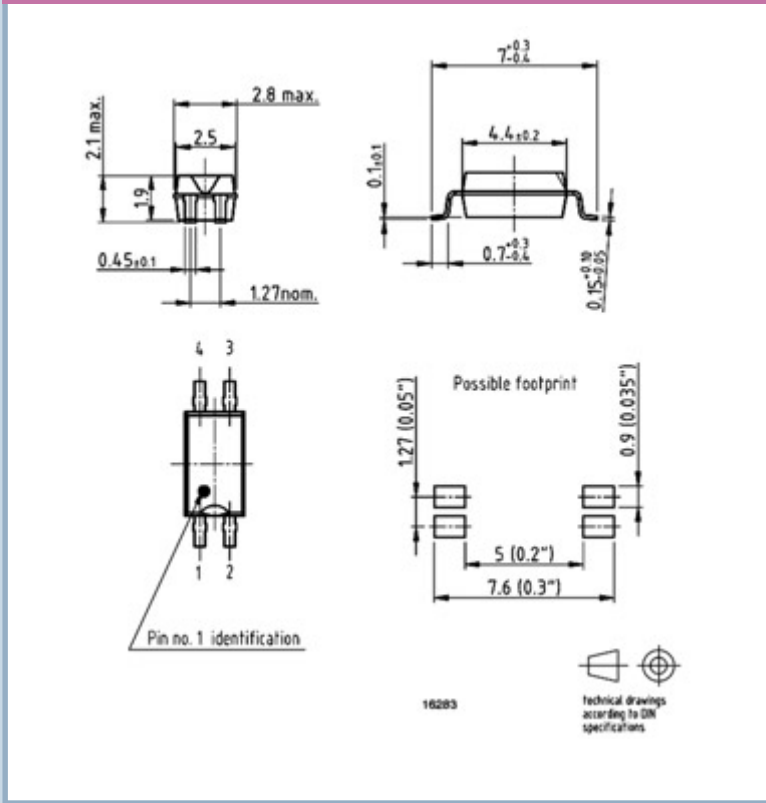
- Call ISOCOM COMPONENTS direct on +44 (0)1429 863609 or email your requirements to [sales@isocom.co.uk](mailto:sales@isocom.co.uk), or
- Contact your local ISOCOM COMPONENTS distributor. Visit [www.isocom.com](http://www.isocom.com) for details.

## Taping Dimensions



Description	Symbol	Dimensions in mm (inches)
Tape wide	W	12 + <sub>0</sub> .3 ( .47 )
Pitch of sprocket holes	P <sub>0</sub>	4 + <sub>0</sub> .1 ( .15 )
Distance of compartment	F	5.5 + <sub>0</sub> .1 ( .217 )
	P <sub>2</sub>	2 + <sub>0</sub> .1 ( .079 )
Distance of compartment to compartment	P <sub>1</sub>	8 + <sub>0</sub> .1 ( .315 )

# Half Pitch Packages



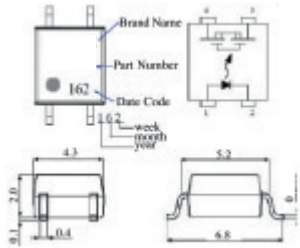
Description	Description	Description	Description
The 4pin transistor output series of optically coupled isolators consists of an infrared light emitting diode and a NPN silicon phototransistor in a super space efficient half pitch leadframe plastic package.	The 4pin AC input series of optically coupled isolators consists of 2 infrared light emitting diodes connected in inverse parallel and a NPN silicon phototransistors in a super space efficient half pitch leadframe plastic package.	The 16pin transistor output series of optically coupled isolators consists of four infrared light emitting diodes and four NPN silicon phototransistors in a super space efficient half pitch leadframe plastic package.	The 16pin AC input series of optically coupled isolators consists of eight infrared light emitting diodes connected in inverse parallel and 8 NPN silicon phototransistors in a super space efficient half pitch leadframe plastic package.

Features	Features	Features	Features
<ul style="list-style-type: none"> <li>Marked as THP1</li> <li>Current Transfer Ratio min 50%</li> <li>All electrical characteristics 100% tested</li> </ul>	<ul style="list-style-type: none"> <li>Marked as AHP1</li> <li>Current Transfer Ratio min 80%</li> <li>All electrical characteristics 100% tested</li> </ul>	<ul style="list-style-type: none"> <li>Marked as THP4</li> <li>Four Independent Channels</li> <li>Current Transfer Ratio min 50%</li> <li>All electrical characteristics 100% tested</li> </ul>	<ul style="list-style-type: none"> <li>Marked as AHP4</li> <li>Four Independent Channels</li> <li>Current Transfer Ratio min 80%</li> <li>All electrical characteristics 100% tested</li> </ul>

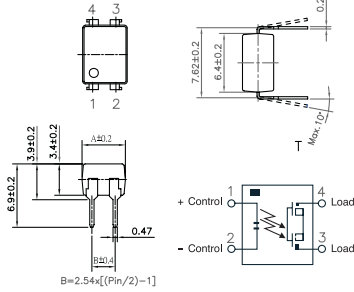
Transistor Output		AC Input	Transistor Output		AC Input
IS281	IS3H7	IS280	IS281-4	IS3Q64	IS3Q64
IS2801-1		IS2805	IS2801-4	IS4600	IS4600
IS3H2		IS1600	IS3Q62	IS280-4	IS280-4
IS1100		IS2805	IS4100	IS2805-4	IS2805-4
IS281		IS3H4			

# Optically Coupled MOSFET Solid State Relays

## 4 Pin

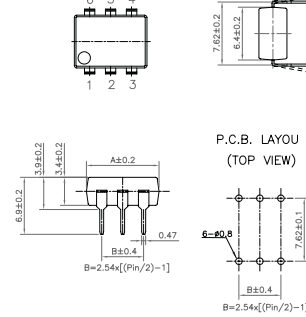


(DIP TYPE)



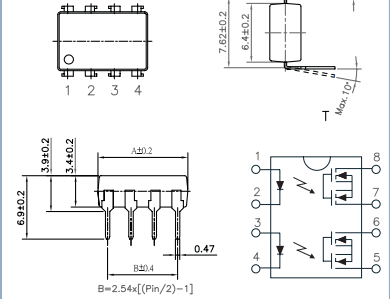
## 6 Pin

(DIP TYPE)



## 8 Pin

(DIP TYPE)



## Part Numbers

IS210  
IS211  
IS214  
IS215  
IS216  
IS216D

ISPA06  
ISPA20  
ISPA40  
ISPA60  
ISPB20  
ISPB35  
ISPB40

ISA06  
ISA20  
ISA40  
ISA60  
ISB20  
ISB35  
ISB40

ISDA06  
ISDA20  
ISDA40  
ISDA60  
ISDB20  
ISDB35  
ISDB40

## Description

Isocom introduces a range of industry standard compatible optically coupled relays. The relays utilise MOSFET technology coupled to highly efficient AlGaAs infrared Light Emitting Diodes. This range is available in 4, 6 and 8 pin dual configuration. The range is available with high voltage or high current capabilities with low on-state resistances. Due to the Solid State construction there are no moving parts which dramatically increase reliability. All versions are available with wide lead spread ( 10.16mm ) and in surface mount supplied in tape and reel if required. We supply equivalent devices for the following manufacturers: Aromat (NAIS), Clare, Toshiba, Cosmo, NEC.

## Features

Series	Max Load Current	Max Load Voltage	Max On-State Resistance
A06	400mA	60V	1.4 Ohms
A20	200mA	200V	10 Ohms
A40	130mA	400V	30 Ohms
A60	70mA	600V	60 Ohms
B20	100mA	200V	30 Ohms
B35	100mA	350V	45 Ohms
B40	100mA	400V	50 Ohms
IS210	100mA	400V	30 Ohms
IS211	120mA	350V	24 Ohms
IS214	120mA	80V	12 Ohms
IS215	400mA	60V	2 Ohms
IS216	1.7A	20V	1.2 Ohms
IS216D	5A	20V	0.5 Ohms

## Applications

Telecommunications  
Industrial System Controllers  
Measuring Instruments  
Signal Transmission between Systems of different potentials and impedances

# Optocoupler Product Drop-In Replacements

Isocom manufactures identical equivalents to these and more competitive parts and part numbers. Plus special screens, lead forms and tape and reel. All our products are guaranteed to meet customer-specified electrical characteristics. Yield limits may apply.

**Standard Lead times 1 – 2 weeks on all parts.** Includes SM, surface mount, T/R, Tape Reel, G form 10.6mm. UL, VDE, NEMCO, UL Canada Certified RoHs Lead Free Compliant.

VISHAY (INFINEON) (SIEMENS)		FAIRCHILD (MOTOROLA) (QTC, GE, GI)			NEC	TI	TOSHIBA	SHARP
IL1	SFH615A-1	MOC3009	MOC8050	H11L1	PS2501-1	TIL111	TLP121	PC354
IL2	SFH615A-2	MOC3010	MOC8080	H11L2	PS2501-2	TIL113	TLP126	PC355
IL5	SFH615A-3	MOC3011	MOC8100	H11L3	PS2501-4	TIL114	TLP127	PC357
IL74	SFH615A-4	MOC3012	MOC8101	H11L4	PS2502-1	TIL116	TLP181	PC452
ILD1	SFH617A-1	MOC3020	MOC8102	H11AA1	PS2502-2	TIL117	TLP321	PC844 (IS844)
ILD2	SFH617A-2	MOC3021	MOC8103	H11AA2	PS2505-1	TIL119	TLP321-2	PC824 (IS824)
ILD5	SFH617A-3	MOC3022	MOC8104	H11AA3	PS2505-2	TIL128	TLP321-4	PC829 (IS829)
IID74	SFH617A-4	MOC3023	MOC8106	H11AA4	PS2505-4	TIL191	TLP521	PC849 (IS849)
ILQ1	SFH618A-2	MOC3030	MOC8107	MCT2	PS2701-1	TIL192	TLP521-2	PC827 (IS827)
ILQ2	SFH618A-3	MOC3031	MOC8108	MCT2E	PS2702-1	TIL192A	TLP521-4	PC847 (IS847)
ILQ5	SFH620-1	MOC3032	MOC8112	MCT6	PS2705-1	TIL192B	TLP620	PC817 (ISP817)
ILQ74	SFH620-2	MOC3033	CNX72A	MCT61	PS2732-1	TIL193	TLP620-	PC123 (ISP817X)
MCA230	SFH620-3	MOC3040	CNX82A	MCT62	PS2801	TIL193A	TLP620-4	PC900 (IS900)
MCA255	SFH628A-3	MOC3042	H11AV1	MCT210	PS2801-4	TIL193B	TLP621	PC3H2
SFH600-1	SFH628A-4	MOC3043	H11AV2	MCT270	PS2805	TIL194	TLP621-2	PC3Q62
SFH600-2	TCMT1100	MOC3051	H11AV3	MCT271	PS2805-4	TIL194A	TLP621-4	PC3H4
SFH600-3	TCMT1103	MOC3052	H11D1	MCT272		TIL194B	TLP624	PC3Q64
SFH600-4	TCMT4100	MOC3060	H11D2	MCT273		TIL197	TLP624-2	S11MD4N
SFH601-1	TCMT1600	MOC3061	H11D3	MCT274		TIL197A	TLP624-4	S21MD4N
SFH601-2	TCMT4600	MOC3062	H11D4	MCT275		TIL197B	TLP280	
SFH601-3	IL300	MOC3063	H11G1	MCT276		TIL195	TLP281	
SFH601-4		MOC5007	H11G3	MCT277		TIL196	TLP281GB	
SFH601-5		MOC5008	MOC3080	MCT2200		TIL197	TLP281-4	
SFH609-2		MOC5009	MOC3081	MCT2201		TIL198	TLP280-4	
SFH609-3		MOC8021	MOC3082	HMHA2801		TIL199		
		MOC8030	MOC3083			TIL918		

Isocom also manufactures the following industry standards

4N25 4N26 4N27 4N28 4N35 4N37 4N38 4N39 4N29 4N30 4N31 4N32 4N33 6N135 6N136 6N137 6N138 6N139 CNY17-1 CNY17-2 CNY17-3 CNY17-4 CNY17-5 CNY17F-1 CNY17F-2 CNY17F-3 CNY17F-4 CNY17F-5 H11A1 H11A2 H11A3 H11A4 H11A5 H11C1 H11C2 H11C3 H11C4 H11C5 H11C6 HCLP2530 HCPL2531 HCPL2601 HCPL2731

> Too many more to list. Call us for specific part numbers

The innovative ISOCOM solutions below are made to match your unique design requirements.

CNY75A CNY75B CNY75C CQY80 H11J1 H11J2 H11J3 H11J4 H11J5 IS1 IS121 IS181 IS201 IS202 IS203 IS204 IS205 IS206 IS2701 IS3052 IS357 IS4N45 IS4N46 IS5 IS6003 IS6005 IS6010 IS6015 IS6030 IS604 IS605 IS608 IS609 IS611 IS620 IS621 IS622 IS7000 IS725 IS74 IS829 IS849 ISD1 ISD201 ISD202 ISD203 ISD204 ISD204-1 ISD5 ISD74 ISP321-1 ISP321-2 ISP321-4 ISP521-1 ISP521-2 ISP521-4 ISP620-1 ISP620-2 ISP620-4 ISP621-1 ISP621-2 ISP621-4 ISP624-1 ISP624-2 ISP624-4 ISP814 ISP814-1 ISP815 ISP815-1 ISP815-2 ISP815-3 ISP817 ISP817-1 ISP817-2 ISP817-3 ISP824 ISP825 ISP825-1 ISP825-2 ISP825-3 ISP827 ISP827-1 ISP844 ISP845 ISP847 ISQ1 ISQ201 ISQ202 ISQ203 ISQ204 ISQ5 ISQ74 MCA2230 MCA2231 MCA2255 > and many more.

# Isocom Mini Flat Pack Range

Isocom is able to offer drop in replacements for Mini Flat Packs as detailed below.

## Description




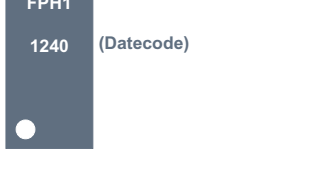
A range of optically coupled isolators consisting of infrared light emitting diodes and NPN silicon photo transistor or photo Darlington in a space efficient dual in line plastic package.

Please refer to our individual data sheets for the detailed specifications and features on our website [www.isocom.com](http://www.isocom.com)

## Mini Flat Pack Related Cross Reference List

Isocom Part No	Competitor	Competitor Part No
IS121, IS121A, IS121B, IS121C, IS121D	Toshiba	TLP121
IS121A		TLP121Y
IS121B		TLP121G
IS121C, IS121D		TLP121B
IS121B, IS121C, IS121D		TLP121GB
IS181, IS181A, IS181B, IS181C, IS181D		TLP181
IS181A		TLP181Y
IS181B		TLP181G
IS181C, IS181D		TLP181B
IS181B, IS181C, IS181D		TLP181GB
IS126		TLP126
IS127		TLP127
IS357, IS357A, IS357B, IS357C, IS357D	Sharp	PC357NT
IS357A		PC357N1T
IS357B		PC357N2T
IS357C		PC357N3T
IS357D		PC357N4T
IS357A, IS357B		PC357N5T
IS357B, IS357C		PC357N6T
IS357C, IS357D		PC357N7T
IS357A, IS357B, IS357C		PC357N8T
IS357B, IS357C, IS357D		PC357N9T
IS357A, IS357B, IS357C, IS357D		PC357N0T
IS354		PC354
IS355		PC355
IS452		PC452
IS2701-1, IS2701-1A, IS2701-1B, IS2701-1C, IS2701-1	NEC	PS2701-1
IS2701-1A		PS2701-1M
IS2701-1B		PS2701-1L
IS2701-1B		PS2701-1P
IS2705-1		PS2705-1
IS2702-1		PS2702-1
IS2732-1		PS2732-1

## These parts are marked as follows

ISOCOM Part No	Description	Marked
IS121	Transistor	
IS181		
IS2701-1		
IS357		
IS354	AC Input	
IS2705-1		
IS126		
IS355	Darlington	
IS2702-1		
IS2732-1	HV Darlington	
IS452		
IS127		

## Applications

- Computer terminals
- Industrial systems controllers
- Measuring instruments
- Signal transmission between systems of different potentials and impedances

## MOSFET Relay Products Drop in Replacements

ISOCOM now manufactures a range of Optically Coupled that are equivalent or compatible with the following devices.

AROMAT (MATSUSHITA)		COSMO		TOSHIBA		NEC	CLARE	
AQY212S	AQV214E	KAQY212S	KAQV214E	TLP172A	TLP225A	PS7113-1A, 2A	CPC1008N	LAA126
AQY210S	AQV214H	KAQY210S	KAQV214H	TLP172G	TLP227A	PS7122A-1A, 2A	CPC1016N	LAA127
AQY214S	AQV216	KAQY214S	KAQV216	TLP174G	TLP227A-2	PS7141-1A	CPC1017N	LAA120
AQY212EH	AQV224N	KAQY212EH	KAQV224N	TLP174GA	TLP227G	PS7141-2A	CPC1018N	LAA125
AQY210EH	AQV254	KAQY210EH	KAQV254	TLP176A	TLP227G(N)	PS7141E-1A	CPC1025N	LCB110
AQY214EH	AQV254H	KAQY214EH	KAQV254H	TLP176D	TLP227G-2	PS7142-1A	CPC1030N	LCB111
AQY216EH	AQV410EH	KAQY216EH		TLP176G	TLP227G-2(N)	PS7142-2A	CPC1035N	LCB120
AQV212	AQV412EH	KAQV212		TLP176GA	TLP227GA	PS7160-1A	CPC1225N	LCB126
AQV210EH	AQV414	KAQV210EH		TLP192A	TLP227GA-2	PS7160-2A	CPC1230N	LCB127
AQV214EH	AQV414E	KAQV214EH		TLP192G	TLP592A	PS7200A-1A	CPC1510	LBB110
AQY222R1S	AQW414	KAQY222R1S		TLP197A	TLP592G	PS7200E-1A	LCA100	LBB120
AQY224NS	AQW414EH	KAQY224NS		TLP197D	TLP594G	PS7200H-1A	LCA100L	LBB126
AQV255	AQY410EH	KAQV255		TLP197G	TLP597A	PS7200K-1A	LCA110	LBB127
AQV255	AQY412EH	KAQV255		TLP197GA	TLP597G	PS7200R-1A	LCA120	
AQV227N	AQY414EH	KAQV227N		TLP200D	TLP597GA	PS7200U-1A	LCA125	
AQV217		KAQV217		TLP202A	TLP598A	PS7206-1A	LCA126	
AQV257		KAQV257		TLP202G	TLP598AA	PS7214-1A	LCA127	
AQV253		KAQV253		TLP206A	TLP598G	PS7221A-2A	LCA129	
AQV253H		KAQV253H		TLP206G	TLP598GA	PS7241-1A	PLA110	
AQV203		KAQV203		TLP206GA	TLP599A	PS7241-2A	CPC1002N	
AQV103		KAQV103		TLP222A	TLP599G	PS7241E-1A	CPC1004N	
AQV210		KAQV210		TLP222A-2	TLP797GA	PS7341-1A	PAA110	
AQV210E		KAQV210E		TLP222G	TLP797J	PS7342-1A	PAA140	
AQV104		KAQV104		TLP222G-2	TLP798G	PS7360-1A	PAA150	
AQV204		KAQV204		TLP224G	TLP798GA	PS7431-1A	LAA100	
AQV214		KAQV214		TLP224G-2			LAA110	

Isocom will advise the closest device upon request and specify the differences in specifications if any.  
If you do not see the parts you are looking for, please ask!





**ISOCOM**  
— — — — —  
**COMPONENTS**





## Sample Request Form

Request Date:	
Distributor/Representative Name:	
End Customer Name & Address:	
End Customer Tel/Email:	
Part Number:	
Quantity:	
Special CTR needed?	
Lead Forming (Standard/G/SM):	
Annual Usage:	
Application:	
Project:	
Production Start Date:	
Competition:	

### ***For internal use only***

Log No/Issue Date:	
Sent Date:	
Follow Up:	
Comments:	

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