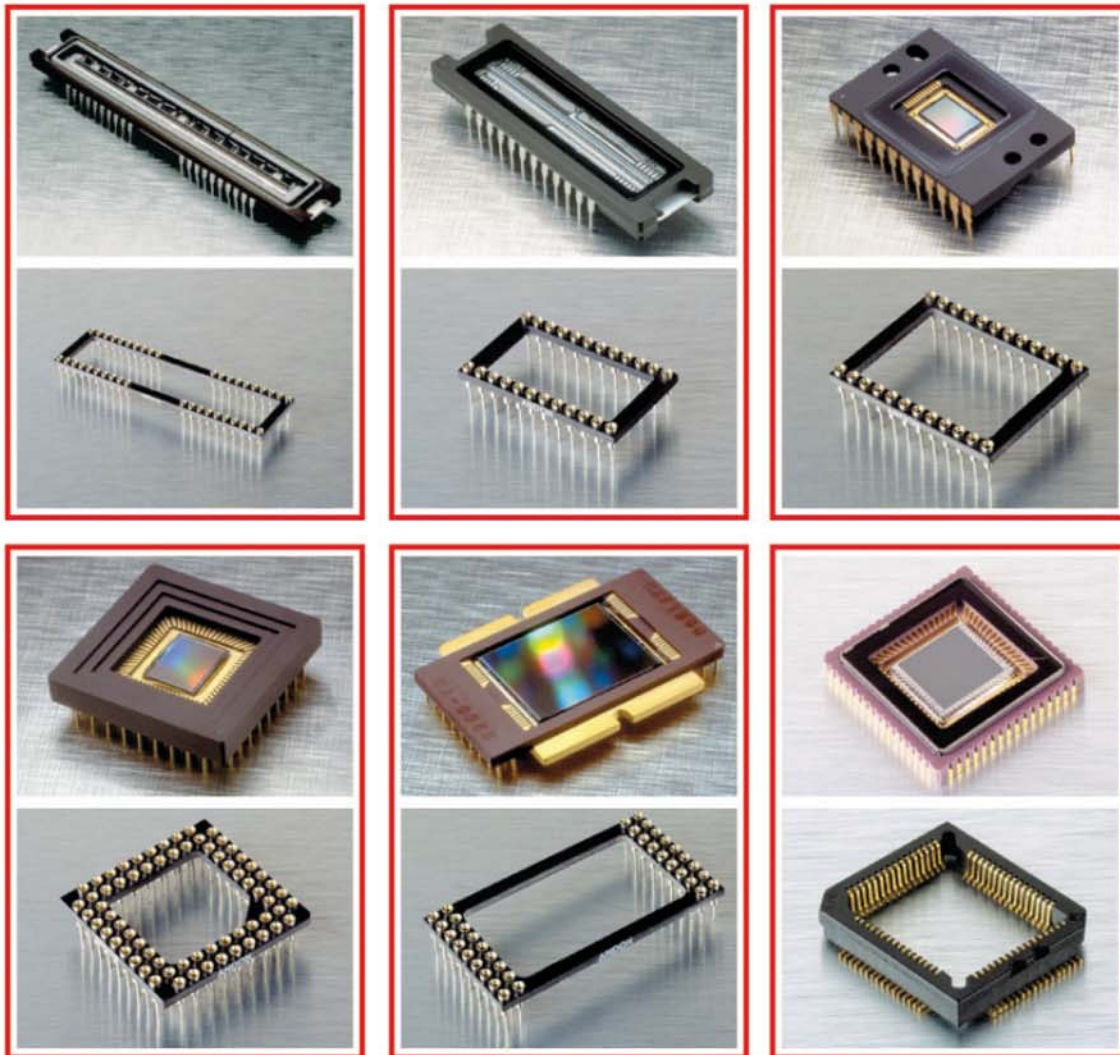




**ISO 9001:2000
CERTIFIED**

RoHS Compliant

Image Sensor Sockets



Introducing Andon's Senstac™ Contact
Maximum Protection and Reliability at Lowest Cost.

IS-08A

Andon has become recognized as the Interconnection Specialist, offering a single, reliable source for IC sockets, micro-

precision sockets, adapters, board-to-board interconnects and contact/terminal products. Over the years Andon has set the industry standard for innovation, reliability and superior quality.

Andon's ISO 9001 certified facility offers leading edge tooling, stamping, high-temperature molding, screw machine products and automated assembly capabilities. The result is a line of products, like our Rollerball® Socket technology, that brings true problem solving product process innovation and cost savings to the industry.

Whether you need large or small volume production, stock solutions or custom sockets and interconnects, Andon has the inherently smart, simple and cost-effective solutions to make you more productive.



John O. Tate, Andon President, pioneered many of the innovative, high-reliability interconnects for military, aerospace

and commercial applications that have become industry standards. In 1965, he developed the stamped and formed multi-finger precision IC socket contact, which remains the preferred method throughout the world for connecting today's microprocessors and other critical components.

Image Sensor Sockets For High-Performance CCD Sensors

Andon has developed the largest line of Image Sensor Sockets in the industry. We have sockets for Atmel, Dalsa, E2V, Fairchild, Hamamatsu, Kodak, Marconi, Micron, Motorola, National, NEC, Peripheral Imaging, Phillips, Site, Sony, TI, and Toshiba.

Image Sensor sockets provide higher reliability because the sockets can be soldered to the motherboard in large quantities.

Later, as required, the sensors can be plugged-in or unplugged and upgraded easily.

The advantages for using sockets:

- Reduce static discharge (ESD) because of less handling.
- Eliminate soldering temperature which can effect the color array.
- Eliminate need to de-solder CCD
- Eliminate cleaning solution, scratches to glass plate and risk blistering PCB
- Eliminate assembly line temperatures, humidity and shock

Frame Grabber Sockets

- Andon is the industry leader for Rollerball® Ball Grid Array Sockets.
- Contacts are specifically designed for Ball Grid Array sockets.
- Andon can supply BGA sockets to any footprint.
Contact Andon for price and delivery
- Engineering assistance available.

We produce, in-house, the contact we developed 38 years ago for the aerospace industry, which ensures a reliable source for your needs. Contacts are available in Low, Medium and High Force to suit your requirements.

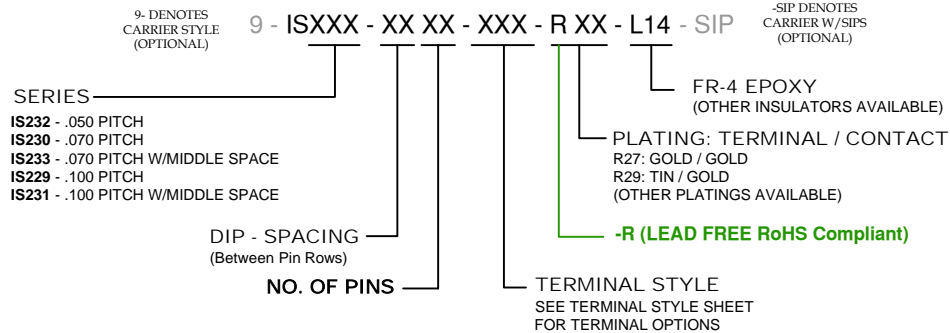
Andon sockets provide perpendicularity, accurate spacing and interchangeability, while improving quality and reducing cost. Samples are available on request.

Table of Contents

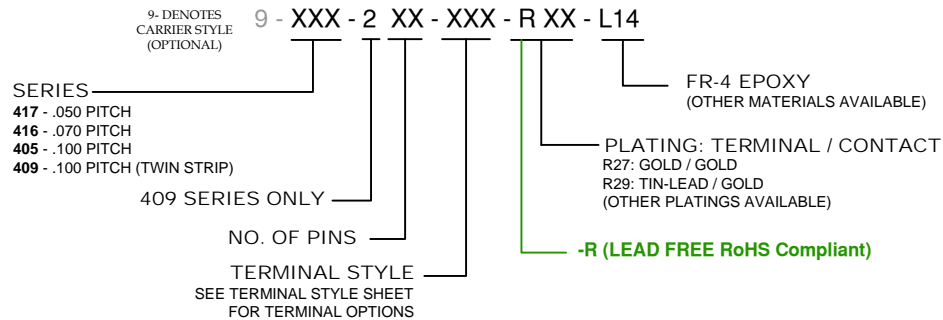
Applications Guide	2	416 .070 [1.78] Pitch SIP Sockets	17
Manufacturer Cross Reference	4	IS232 .050 [1.27] Pitch DIP Sockets	18
IS229 .100 [2.54] Pitch DIP Sockets	9	417 .050 [1.27] Pitch SIP Sockets	18
IS231 .100 [2.54] Pitch DIP Sockets	10	10 .050 [1.27] Pitch BGA Sockets	19
IS229-D .100 [2.54] Pitch Dual DIP Sockets	11	585 .050 [1.27] Pitch IBGA Sockets	19
409 .100 [2.54] Pitch Dual SIP Sockets	11	R-Series .225 PC Round Image Sensor Socket	19
405 .100 [2.54] Pitch SIP Sockets	12	620 .050 [1.27] Pitch LCC Sockets	19
575 .100 [2.54] Pitch PGA Sockets	13	680 .040 [1.01] Pitch LCC Sockets	19
IS230 .070 [1.78] Pitch DIP Sockets	15	Appendix A: Terminal Details	20
IS233 .070 [1.78] Pitch DIP Sockets	16	Appendix B: Part Number Index	22

IMAGE SENSOR SOCKETS

DIP SOCKET PART NUMBERING SYSTEM



SIP SOCKET PART NUMBERING SYSTEM



TECHNICAL INFORMATION

MATERIAL

INSULATOR: -L14 BLACK FR4 LAMINATE WITH LOGO
(OTHER INSULATORS AVAILABLE)

TERMINAL: BRASS, PER ASTM-B16

CONTACT: HEAT-TREATED BERYLLIUM COPPER,
PER ASTM-B194

PLATING

R27: **TERMINAL:** GOLD 10u INCHES MINIMUM
CONTACT: GOLD 10u INCHES MINIMUM

R29: **TERMINAL:** TIN
CONTACT: GOLD 10u INCHES MINIMUM
(OTHER PLATINGS AVAILABLE)

FORCES - STANDARD FOR .100 & .070 PITCH

'S' INSERTION: 9.0 OZ AVG **'M' INSERTION:** 1.6 OZ MAX
WITHDRAWAL: 2.0 OZ MIN **WITHDRAWAL:** 0.5 OZ MIN

ACCEPTABLE PIN RANGE
.015 [0.38] TO .022 [0.56] DIAMETER

FORCES - STANDARD FOR .050 PITCH

'U' INSERTION: 2.8 OZ AVG **'K' INSERTION:** 1.0 OZ MAX
WITHDRAWAL: 0.5 OZ MIN **WITHDRAWAL:** 0.4 OZ MIN

ACCEPTABLE PIN RANGE
.015 [0.38] TO .022 [0.56] DIAMETER

Image Sensor Socket Applications

Image Sensor sockets provide higher reliability because the sockets can be soldered to the motherboard in large quantities. Later, as required, the sensors can be plugged-in or unplugged and upgraded easily.

The advantages for using Image Sensor Sockets:

- Eliminate production line Electro-Static Discharge (ESD) because device is plugged in after all assembly.
- Eliminate soldering temperature which can effect the color array.
- Eliminate the need to de-solder CCD.
- Eliminate cleaning solution, scratches to glass plate and risk blistering PCB.
- Eliminate assembly line temperatures, humidity and shock.

After assembly your device is plugged into a range of available contact forces, built to suit your application. Your circuit boards equipped with our sockets will enable your devices to be interchanged, or replaced in case of damage or upgrade, For more detailed information, contact us at Info@andonelect.com!

Phase 1:

Carrier Assemblies designed to your pin layout arrive at your facility pre-loaded and ready for assembly.



Phase 2:

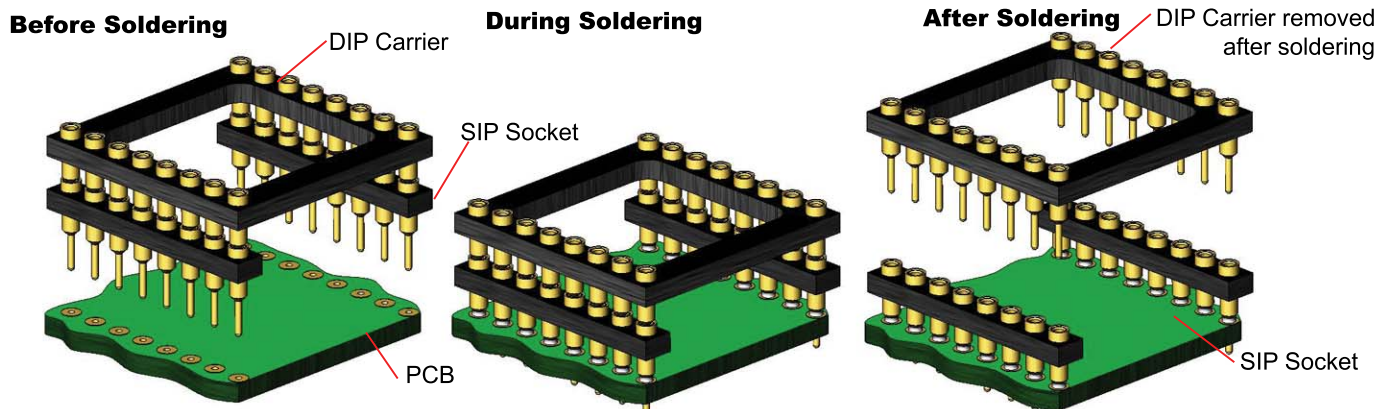
Carrier Assembly is placed through your soldering process to ensure perpendicularity and coplanarity.



Phase 3:

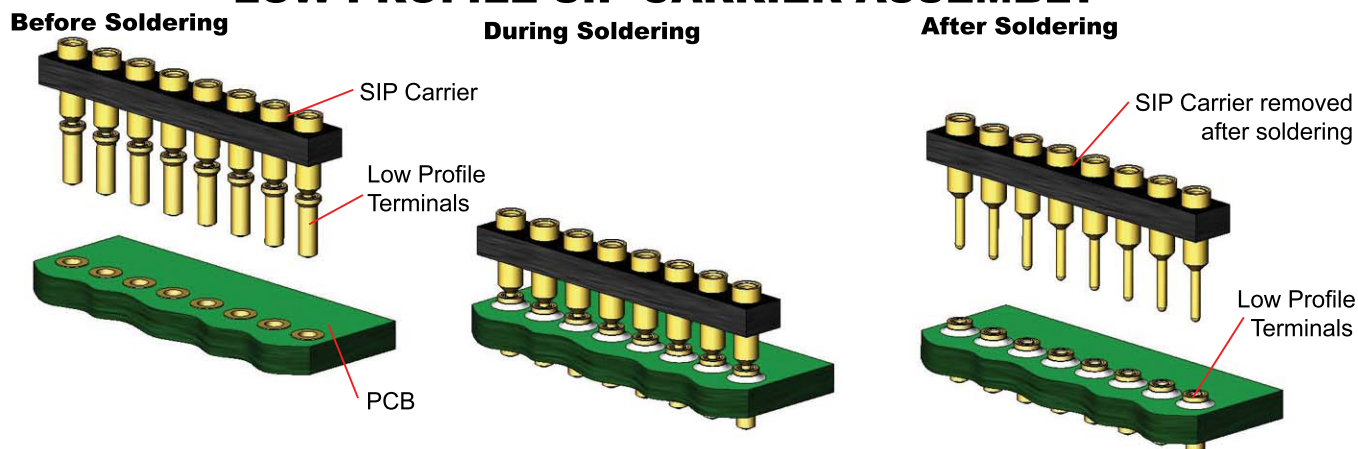
After soldering, Carrier is removed from the assembly and your device is plugged in.

DIP CARRIER ASSEMBLY



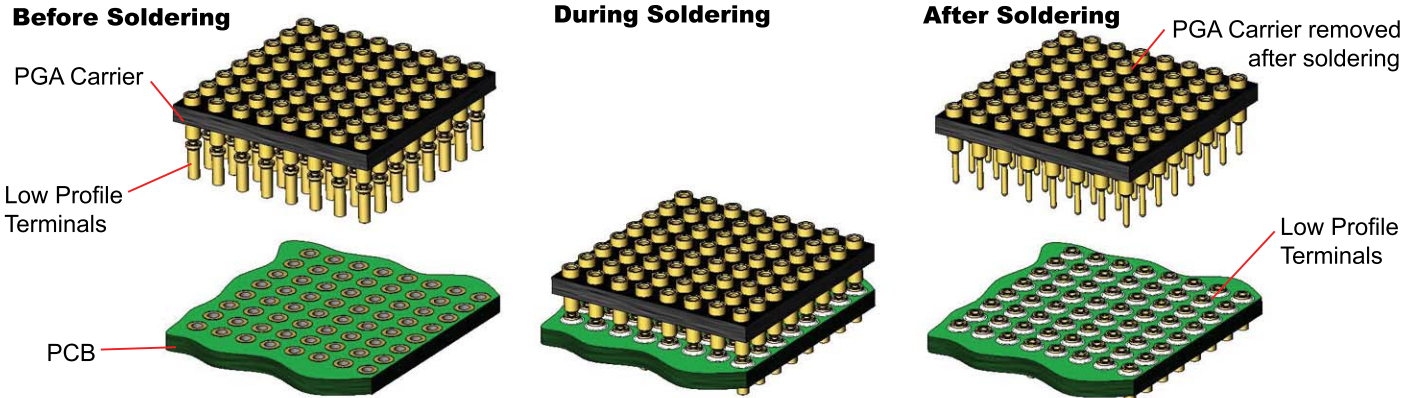
DIP Carrier Assemblies carry two sips through your soldering process to provide a perfectly perpendicular and coplanar socket after soldering. After assembly, DIP carrier is either discarded or sent back to our factory for re-loading.

LOW PROFILE SIP CARRIER ASSEMBLY



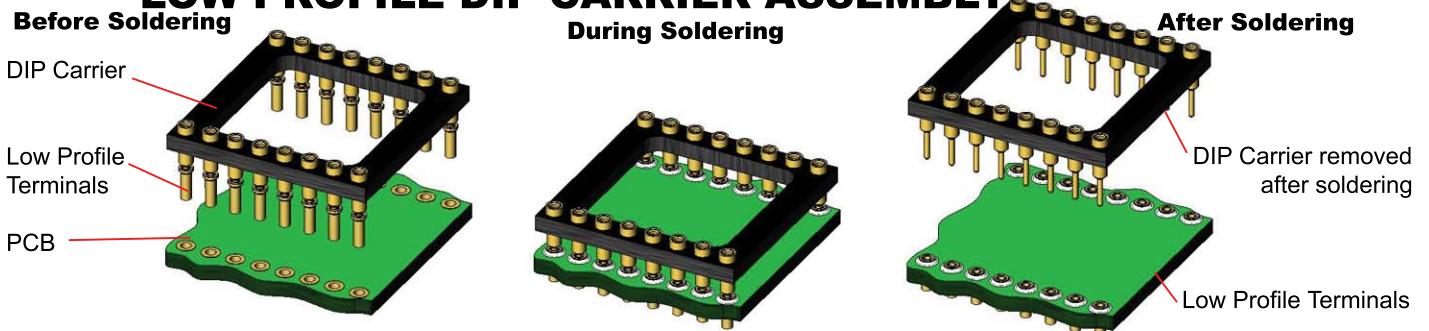
SIP Carrier Assemblies carry low profile terminals through your soldering process to provide a space saving perfectly perpendicular, coplanar, and substrateless socket after soldering. After assembly, SIP carrier is either discarded or sent back to our factory for re-loading.

Image Sensor Socket Applications LOW PROFILE PGA CARRIER ASSEMBLY



PGA Carrier Assemblies carry low profile terminals through your soldering process to provide a space saving perfectly perpendicular, coplanar, and substrateless socket after soldering. After assembly, the PGA carrier is either discarded or sent back to our factory for re-loading.

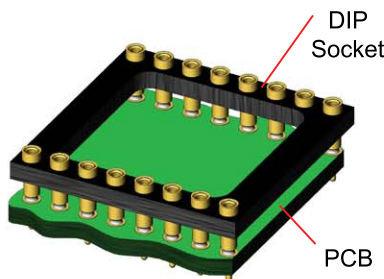
LOW PROFILE DIP CARRIER ASSEMBLY



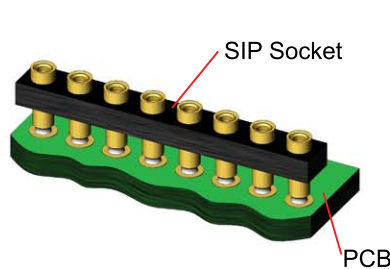
DIP Carrier Assemblies carry low profile terminals through your soldering process to provide a space saving perfectly perpendicular, coplanar, and substrateless socket after soldering. After assembly, the DIP carrier is either discarded or sent back to our factory for re-loading.

Standard Image Sensor Sockets

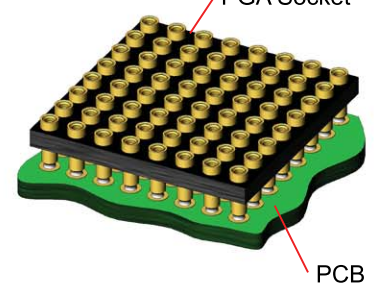
DIP Socket
(Dual In-line Pin)



SIP Socket
(Single In-line Pin)



PGA Socket
(Pin Grid Array)



Standard Image Sensor Sockets take the place of your device during the assembly process, saving your devices from unexpected damage, and saving your companies bottom line from unexpected cost as a result. Can be designed to any pin layout or configuration. If your device's layout is not featured in this catalog, contact us at Info@andonelect.com.

See Appendix A for Terminal Details and Contact Forces.

Image Sensor Manufacturer Cross-Reference

Manufacturer	Sensor	Andon Part Number	Fig #	Pg #	Manufacturer	Sensor	Andon Part Number	Fig #	Pg #
Altasens	2460-1280X1024	680-48-SM-G10-R14-X	23	19	Dalsa	DCI0605C	680-32-SM-G10-L14-X	23	19
Altasens	2460-1280X720	680-48-SM-G10-R14-X	23	19	Dalsa	FTF2020M	575-15-65-084-01S-R29-L14	24	13
Altasens	2462-1280X1024	680-48-SM-G10-R14-X	23	19	Dalsa	FTF2021M	575-15-65-084-01S-R29-L14	24	13
Altasens	2462-1280X720	680-48-SM-G10-R14-X	23	19	Dalsa	FTF2416C	620-40A-SM-G10-L14-X	23	19
Altasens	2463-1280X1024	680-48-SM-G10-R14-X	23	19	Dalsa	FTF2416M	620-40A-SM-G10-L14-X	23	19
Altasens	2463-1280X720	680-48-SM-G10-R14-X	23	19	Dalsa	FTF3041M	575-25-04-080-01S-R29-L14	25	13
Altasens	2560-1280X1024	680-48-SM-G10-R14-X	23	19	Dalsa	FTF4052C	575-25-04-080-01S-R29-L14	25	13
Altasens	2560-1280X720	680-48-SM-G10-R14-X	23	19	Dalsa	FTF4052M	575-25-04-080-01S-R29-L14	25	13
Altasens	2562-1280X1024	680-48-SM-G10-R14-X	23	19	Dalsa	FTF5033M	575-20-16-096-01S-R29-L14	22	13
Altasens	2562-1280X720	680-48-SM-G10-R14-X	23	19	Dalsa	FTF5066C	575-25-04-080-93S-R29-L14	25	13
Altasens	2563-1280X1024	680-48-SM-G10-R14-X	23	19	Dalsa	FTF5066M	575-25-04-080-01S-R29-L14	25	13
Altasens	2563-1280X720	680-48-SM-G10-R14-X	23	19	Dalsa	FTF6146C	575-23-02-104-01S-R29-L14	28	14
Altasens	3560-1280X720	10-14-11-097-400T4-R29-L14	4	19	Dalsa	FTF6146M	575-23-02-104-01S-R29-L14	28	14
Altasens	3560-1920X1080	10-14-11-097-400T4-R29-L14	4	19	Dalsa	FTF7040M	575-40-02-104-01S-R29-L14	26	14
Altasens	3562-1280X720	10-14-11-097-400T4-R29-L14	4	19	DATEL	ADCDS-1405	IS229-940-01S-R29-L14	1	9
Altasens	3562-1920X1080	10-14-11-097-400T4-R29-L14	4	19	E2V	CCD02-06dd	IS229-620-01S-R29-L14	1	9
Altasens	3570-2080X1170	10-14-11-097-400T4-R29-L14	4	19	E2V	CCD02-06ims	IS229-620-01S-R29-L14	1	9
Altasens	HD4562	10-14-11-097-400T4-R29-L14	4	19	E2V	CCD30-11BI	IS229-6120-80S-R29-L14	1	9
Cypress	CY1I4SC014KAA-GTC	IS231-1149D-01S-R29-L14	37	11	E2V	CCD30-11bi	IS229-6120-80S-R29-L14	1	9
Cypress	CY1I4SM014KAA-GEC	IS231-1149D-01S-R29-L14	37	11	E2V	CCD30-11DDS	IS229-6120-80S-R29-L14	1	9
Cypress	CY1I4SM6600AB	620-68-SM-G10-L14-X	23	19	E2V	CCD30-11IMS	IS229-6120-80S-R29-L14	1	9
Cypress	CY1L2SM1300AA	10-24-05-168-347T-R29-L14	5	19	E2V	CCD30-11OE	IS229-6120-80S-R29-L14	1	9
Cypress	IBIS4-14000	IS231-1149D-01S-R29-L14	37	11	E2V	CCD31-20	IS229-624-01S-R29-L14	1	9
Cypress	IBIS4-A-6600	620-68-SM-G10-L14-X	23	19	E2V	CCD39-01BI	IS229-6124-01S-R29-L14	1	9
Cypress	LUPA-1300	575-15-28-145-01S-R29-L14	36	14	E2V	CCD39-02BI	IS229-6124-01S-R29-L14	1	9
Cypress	LUPA-300	680-48-SM-G10-L14-X	23	19	E2V	CCD42-10BI	IS229-6120-80S-R29-L14	1	9
Cypress	LUPA-4000	575-16-24-127-01S-R29-L14	35	14	E2V	CCD42-10IMS	IS229-6120-80S-R29-L14	1	9
Dalsa	FT18	IS230-632-75S-R29-L14	6	15	E2V	CCD42-40C_AIMO_BI	IS229-1824-80S-R29-L14	1	9
Dalsa	FT50M	IS232-628-274U-R29-L14	8	18	E2V	CCD42-40FI_AIMO_CC	IS229-1824-80S-R29-L14	1	9
Dalsa	FTF3020C	575-20-16-096-01S-R29-L14	22	13	E2V	CCD42-40FI_NIMO_CC	IS229-1824-80S-R29-L14	1	9
Dalsa	FTF3020C-HS	575-20-16-096-01S-R29-L14	22	13	E2V	CCD42-40NIMO_BI	IS229-1824-80S-R29-L14	1	9
Dalsa	FTF3020M	575-20-16-096-01S-R29-L14	22	13	E2V	CCD47-10AIMO_CP	IS229-924-01S-R29-L14	1	9
Dalsa	FTF3021M	575-20-16-096-01S-R29-L14	22	13	E2V	CCD47-10BT	IS229-924-01S-R29-L14	1	9
Dalsa	FTF4027C	575-20-16-096-01S-R29-L14	22	13	E2V	CCD47-10BTCP	IS229-924-01S-R29-L14	1	9
Dalsa	FTF4027M	575-20-16-096-01S-R29-L14	22	13	E2V	CCD47-10NIMO_BTCP	IS229-924-01S-R29-L14	1	9
Dalsa	FTF5033C	575-20-16-096-01S-R29-L14	22	13	E2V	CCD47-10NIMO_CP	IS229-924-01S-R29-L14	1	9
Dalsa	FTT1010M	575-15-63-080-01S-R29-L14	20	13	E2V	CCD47-20	IS229-932-01S-R29-L14	1	9
Dalsa	IA-D1-0128	IS229-624-01S-R29-L14	1	9	E2V	CCD47-20AIMO	IS229-932-01S-R29-L14	1	9
Dalsa	IA-D1-0256	IS229-624-01S-R29-L14	1	9	E2V	CCD47-20BT_NIMO	IS229-932-01S-R29-L14	1	9
Dalsa	IA-DJ-02084	IS229-2239-01S-R29-L14	1	9	E2V	CCD48-20BI_NIMO	IS229-932-01S-R29-L14	1	9
Dalsa	IL-C6-2048	IS229-324-01S-R29-L14	1	9	E2V	CCD57-10	IS229-932-01S-R29-L14	1	9
Dalsa	IL-E2-0512	IS229-324-01S-R29-L14	1	9	E2V	CCD57-10AIMO_BTCP	IS229-924-01S-R29-L14	1	9
Dalsa	IL-E2-1024	IS229-324-01S-R29-L14	1	9	E2V	CCD60 F/BI	IS229-624-75S-R29-L14	1	9
Dalsa	IL-E2-2048	IS229-324-01S-R29-L14	1	9	E2V	CCD62-06IMS	IS229-620-01S-R29-L14	1	9
Dalsa	IL-F7-0512	IS232-440-274U-R29-L14	8	18	E2V	CCD67BI_NIMO	IS229-924-01S-R29-L14	1	9
Dalsa	IL-F7-1024	IS232-440-274U-R29-L14	8	18	E2V	CCD67FI_NIMO	IS229-932-01S-R29-L14	1	9
Dalsa	IL-F7-2048	IS232-440-274U-R29-L14	8	18	E2V	CCD67FI_NIMO_CP	IS229-924-01S-R29-L14	1	9
Dalsa	IL-P1-0512	IS230-532-75S-R29-L14	6	15	E2V	CCD77-00BI	IS229-924-01S-R29-L14	1	9
Dalsa	IL-P1-1024	IS230-532-75S-R29-L14	6	15	E2V	CCD77-00FI	IS229-924-01S-R29-L14	1	9
Dalsa	IL-P1-2048	IS230-532-75S-R29-L14	6	15	E2V	CCD97 BI 2P IMO	IS230-930-75S-R29-L14	1	9
Dalsa	IL-P1-4096	IS233-532-75S-R29-L14	9	16	E2V	CCD97 FI 2P IMO	IS230-930-75S-R29-L14	1	9
Dalsa	IL-P3-B-0512	IS229-324-01S-R29-L14	1	9	E2V	TH7804ACC	IS229-624-80S-R29-L14	1	9
Dalsa	IL-P3-B-1024	IS229-324-01S-R29-L14	1	9	E2V	TH7813A	IS229-420-01S-R29-L14	1	9
Dalsa	IL-P3-B-2048	IS229-324-01S-R29-L14	1	9	E2V	TH7814A	IS229-420-01S-R29-L14	1	9
Dalsa	IT-F6-2048B	IS229-650-01S-R29-L14	1	9	E2V	TH7815A	IS229-420-01S-R29-L14	1	9
Dalsa	IT-P1-1024	IS230-532-75S-R29-L14	6	15	E2V	TH7817A	IS229-420-01S-R29-L14	1	9
Dalsa	IT-P1-2048	IS230-532-75S-R29-L14	6	15	E2V	TH7818A	IS229-420-01S-R29-L14	1	9
Dalsa	IT-P1-4096	IS233-532-75S-R29-L14	6	15	E2V	TH7819A	IS229-420-01S-R29-L14	1	9
Dalsa	IT-P4-6144	IS233-532-75S-R29-L14	6	15	E2V	TH7834CCC-RB	IS229-656-01S-R29-L14	1	9
Dalsa	IT-P4-8192	IS233-532-75S-R29-L14	9	16	E2V	TH7841ACC	IS229-628-80S-R29-L14	1	9

Additional Sockets Available for most Image Sensor Devices
For Terminal Details see page 20

Image Sensor Manufacturer Cross-Reference

Manufacturer	Sensor	Andon Part Number	Fig #	Pg. #	Manufacturer	Sensor	Andon Part Number	Fig #	Pg. #
E2V	AT71200M	575-19-27-088-01S-R29-L14	27	14	Hamamatsu	G8053-512S	IS229-828-88S-R29-L14	1	9
E2V	AT71201M	IS229-2488D-01S-R29-L14	3	11	Hamamatsu	G8160-256S	IS229-828-88S-R29-L14	1	9
E2V	CCD05-20ims	IS229-1644D-01S-R29-L14	3	11	Hamamatsu	G8161-512S	IS229-828-88S-R29-L14	1	9
E2V	CCD05-20sis	IS229-1644D-01S-R29-L14	3	11	Hamamatsu	G8180-256W	IS229-828-88S-R29-L14	1	9
E2V	CCD05-20-Y	IS229-1644D-01S-R29-L14	3	11	Hamamatsu	S10140-1007	IS229-924-01S-R29-L14	1	9
E2V	CCD05-30ims	IS229-1944D-01S-R29-L14	3	11	Hamamatsu	S10140-1008	IS229-924-01S-R29-L14	1	9
E2V	CCD05-30sis	IS229-1944D-01S-R29-L14	3	11	Hamamatsu	S10140-1009	IS229-924-01S-R29-L14	1	9
E2V	CCD201-20 BI	575-14-39-036-01S-R29-L14	29	14	Hamamatsu	S10140-1107	IS229-924-01S-R29-L14	1	9
E2V	CCD201-20 FI	575-14-39-036-01S-R29-L14	29	14	Hamamatsu	S10140-1108	IS229-924-01S-R29-L14	1	9
E2V	CCD230-84 FI	IS229-3080D-01S-R29-L14	3	11	Hamamatsu	S10140-1109	IS229-924-01S-R29-L14	1	9
E2V	CCD30-11dd	IS229-6120-80S-R29-L14	1	9	Hamamatsu	S10141-1007	IS229-924-01S-R29-L14	1	9
E2V	CCD30-11ims	IS229-6120-80S-R29-L14	1	9	Hamamatsu	S10141-1008	IS229-924-01S-R29-L14	1	9
E2V	CCD30-11oe	IS229-6120-80S-R29-L14	1	9	Hamamatsu	S10141-1009	IS229-924-01S-R29-L14	1	9
E2V	CCD39-01bi	IS229-6124-01S-R29-L14	1	9	Hamamatsu	S10141-1107	IS229-924-01S-R29-L14	1	9
E2V	CCD39-02bi	IS229-6124-01S-R29-L14	1	9	Hamamatsu	S10141-1108	IS229-924-01S-R29-L14	1	9
E2V	CCD42-10bi	IS229-6120-80S-R29-L14	1	9	Hamamatsu	S10141-1109	IS229-924-01S-R29-L14	1	9
E2V	CCD42-10ims	IS229-6120-80S-R29-L14	1	9	Hamamatsu	S10420-1006	IS229-424-400T4-R29-L14	1	9
E2V	CCD42-40aimo	IS229-1824-80S-R29-L14	1	9	Hamamatsu	S10420-1106	IS229-424-400T4-R29-L14	1	9
E2V	CCD42-40nimo	IS229-1824-80S-R29-L14	1	9	Hamamatsu	S7010-0906	IS229-424-80S-R29-L14	1	9
E2V	CCD42-90bi	575-08-04-040-80S-R29-L14	14	13	Hamamatsu	S7010-0907	IS229-424-80S-R29-L14	1	9
E2V	CCD47-10	IS229-932-01S-R29-L14	1	9	Hamamatsu	S7010-0908	IS229-624-80S-R29-L14	1	9
E2V	CCD47-10	IS229-932-01S-R29-L14	1	9	Hamamatsu	S7010-1006	IS229-424-80S-R29-L14	1	9
E2V	CCD47-10aibt	IS229-924-01S-R29-L14	1	9	Hamamatsu	S7010-1007	IS229-424-80S-R29-L14	1	9
E2V	CCD47-10aimo	IS229-924-01S-R29-L14	1	9	Hamamatsu	S7010-1008	IS229-624-80S-R29-L14	1	9
E2V	CCD47-10bt	IS229-932-01S-R29-L14	1	9	Hamamatsu	S7011-0906	IS229-624-80S-R29-L14	1	9
E2V	CCD47-10nibt	IS229-924-01S-R29-L14	1	9	Hamamatsu	S7011-0907	IS229-624-80S-R29-L14	1	9
E2V	CCD47-10nimo	IS229-924-01S-R29-L14	1	9	Hamamatsu	S7011-1006	IS229-624-80S-R29-L14	1	9
E2V	CCD47-20	IS229-932-01S-R29-L14	1	9	Hamamatsu	S7011-1007	IS229-624-80S-R29-L14	1	9
E2V	CCD47-20bt	IS229-932-01S-R29-L14	1	9	Hamamatsu	S7015-0908	IS229-9124-80S-R29-L14	1	9
E2V	CCD55-20IMS	IS229-1644D-01S-R29-L14	3	11	Hamamatsu	S7015-1008	IS229-9124-80S-R29-L14	1	9
E2V	CCD55-20IMS_BI	IS229-1644D-01S-R29-L14	3	11	Hamamatsu	S7017-1007	IS229-2024-80S-R29-L14	1	9
E2V	CCD55-30	IS229-1944D-01S-R29-L14	3	11	Hamamatsu	S7017-1008	IS229-2024-80S-R29-L14	1	9
E2V	CCD55-30	IS229-1944D-01S-R29-L14	3	11	Hamamatsu	S7030-0906	IS229-924-01S-R29-L14	1	9
E2V	CCD55-30BI	IS229-1944D-01S-R29-L14	3	11	Hamamatsu	S7030-0907	IS229-924-01S-R29-L14	1	9
E2V	CCD55-30IMS	IS229-1944D-01S-R29-L14	3	11	Hamamatsu	S7030-0908	IS229-924-01S-R29-L14	1	9
E2V	CCD55-30ims	IS229-1944D-01S-R29-L14	3	11	Hamamatsu	S7030-1006	IS229-924-01S-R29-L14	1	9
E2V	CCD57-10	IS229-932-01S-R29-L14	1	9	Hamamatsu	S7030-1007	IS229-924-01S-R29-L14	1	9
E2V	CCD60 Peltier FI	IS230-1232-75S-R29-L14	6	15	Hamamatsu	S7030-1008	IS229-924-01S-R29-L14	1	9
E2V	CCD62-06ims	IS229-620-01S-R29-L14	1	9	Hamamatsu	S7031-0906	IS229-924-01S-R29-L14	1	9
E2V	CCD65	575-10-19-037-01S-R29-L14	30	14	Hamamatsu	S7031-0907	IS229-924-01S-R29-L14	1	9
E2V	CCD65 Peltier	IS230-1232-75S-R29-L14	6	15	Hamamatsu	S7031-0908	IS229-924-01S-R29-L14	1	9
E2V	CCD97 Peltier BI 2P IM	IS230-1232-75S-R29-L14	6	15	Hamamatsu	S7031-1006	IS229-924-01S-R29-L14	1	9
E2V	CCD97 Peltier FI 2P IM	IS230-1232-75S-R29-L14	6	15	Hamamatsu	S7031-1007	IS229-924-01S-R29-L14	1	9
E2V	TH7888A	409-210-80S-R29-L14	11	11	Hamamatsu	S7031-1008	IS229-924-01S-R29-L14	1	9
E2V	TH7899M	575-15-62-082-80S-R29-L14	19	13	Hamamatsu	S7033-0907	IS229-924-01S-R29-L14	1	9
Fairchild	CCD111ADC	IS229-318-01S-R29-L14	1	9	Hamamatsu	S7033-1007	IS229-924-01S-R29-L14	1	9
Fairchild	CCD111BDC	IS229-318-01S-R29-L14	1	9	Hamamatsu	S7034-0907	IS229-924-01S-R29-L14	1	9
Fairchild	CCD133ADC	IS229-624-80S-R29-L14	1	9	Hamamatsu	S7034-1007	IS229-924-01S-R29-L14	1	9
Fairchild	CCD134	IS229-624-80S-R29-L14	1	9	Hamamatsu	S7170-0909	IS229-924-01S-R29-L14	1	9
Fairchild	CCD143ADC	IS229-628-80S-R29-L14	1	9	Hamamatsu	S7171-0909	IS229-924-01S-R29-L14	1	9
Fairchild	CCD153ADC	IS229-624-80S-R29-L14	1	9	Hamamatsu	S7847-1007	IS229-2024-80S-R29-L14	1	9
Fairchild	CCD181DC	IS229-628-01S-R29-L14	1	9	Hamamatsu	S7847-1008	IS229-2024-80S-R29-L14	1	9
Fairchild	CCD191DC	IS229-640-01S-R29-L14	1	9	Hamamatsu	S7986-01	IS229-924-01S-R29-L14	1	9
Hamamatsu	G8050-256R	IS229-828-88S-R29-L14	1	9	Hamamatsu	S7987-01	IS229-924-01S-R29-L14	1	9
Hamamatsu	G8050-256S	IS229-828-88S-R29-L14	1	9	Hamamatsu	S8380-128Q	IS229-422-01S-R29-L14	1	9
Hamamatsu	G8051-512R	IS229-828-88S-R29-L14	1	9	Hamamatsu	S8380-256Q	IS229-422-01S-R29-L14	1	9
Hamamatsu	G8051-512S	IS229-828-88S-R29-L14	1	9	Hamamatsu	S8380-512Q	IS229-422-01S-R29-L14	1	9
Hamamatsu	G8052-256R	IS229-828-88S-R29-L14	1	9	Hamamatsu	S8381-1024Q	IS229-422-01S-R29-L14	1	9
Hamamatsu	G8052-256S	IS229-828-88S-R29-L14	1	9	Hamamatsu	S8381-256Q	IS229-422-01S-R29-L14	1	9
Hamamatsu	G8053-512R	IS229-828-88S-R29-L14	1	9	Hamamatsu	S8381-512Q	IS229-422-01S-R29-L14	1	9

*Additional Sockets Available for most Image Sensor Devices
For Terminal Details see page 20*

Image Sensor Manufacturer Cross-Reference

Manufacturer	Sensor	Andon Part Number	Fig #	Pg #	Manufacturer	Sensor	Andon Part Number	Fig #	Pg #
Hamamatsu	S8665-0909	IS229-2024-01S-R29-L14	1	9	Hamamatsu	S7030-0906	IS229-924-01S-R29-L14	1	9
Hamamatsu	S8844-0909	IS229-924-01S-R29-L14	1	9	Hamamatsu	S7030-0907	IS229-924-01S-R29-L14	1	9
Hamamatsu	S9037-0902N	IS229-924-01S-R29-L14	1	9	Hamamatsu	S7030-0908	IS229-924-01S-R29-L14	1	9
Hamamatsu	S9037-1002	IS229-924-01S-R29-L14	1	9	Hamamatsu	S7030-1006	IS229-924-01S-R29-L14	1	9
Hamamatsu	S9037-1002N	IS229-924-01S-R29-L14	1	9	Hamamatsu	S7030-1007	IS229-924-01S-R29-L14	1	9
Hamamatsu	S9037-902	IS229-924-01S-R29-L14	1	9	Hamamatsu	S7030-1008	IS229-924-01S-R29-L14	1	9
Hamamatsu	S9038-0902	IS229-924-01S-R29-L14	1	9	Hamamatsu	S7031-0906S	IS229-924-01S-R29-L14	1	9
Hamamatsu	S9038-0902N	IS229-924-01S-R29-L14	1	9	Hamamatsu	S7031-0907S	IS229-924-01S-R29-L14	1	9
Hamamatsu	S9038-1002	IS229-924-01S-R29-L14	1	9	Hamamatsu	S7031-0908S	IS229-924-01S-R29-L14	1	9
Hamamatsu	S9038-1002N	IS229-924-01S-R29-L14	1	9	Hamamatsu	S7031-1006S	IS229-924-01S-R29-L14	1	9
Hamamatsu	S9736-01	IS229-924-01S-R29-L14	1	9	Hamamatsu	S7031-1007S	IS229-924-01S-R29-L14	1	9
Hamamatsu	S9736-02	IS229-2024-01S-R29-L14	1	9	Hamamatsu	S7031-1008S	IS229-924-01S-R29-L14	1	9
Hamamatsu	S9737-01	IS229-924-01S-R29-L14	1	9	Hamamatsu	S7034-0907S	IS229-924-01S-R29-L14	1	9
Hamamatsu	S9737-02	IS229-2024-01S-R29-L14	1	9	Hamamatsu	S7034-1007S	IS229-924-01S-R29-L14	1	9
Hamamatsu	S9840	IS229-322-01S-R29-L14	1	9	Hamamatsu	S9038-0902S	IS229-924-01S-R29-L14	1	9
Hamamatsu	S9970-1006	IS229-424-01S-R29-L14	1	9	Hamamatsu	S9038-1002S	IS229-924-01S-R29-L14	1	9
Hamamatsu	S9970-1007	IS229-424-01S-R29-L14	1	9	Hamamatsu	S3901-128Q	IS229-422-01S-R29-L14	1	9
Hamamatsu	S9970-1008	IS229-624-01S-R29-L14	1	9	Hamamatsu	S3904-256Q	IS229-422-01S-R29-L14	1	9
Hamamatsu	S9971-0906	IS229-624-01S-R29-L14	1	9	Hamamatsu	S3901-256Q	IS229-422-01S-R29-L14	1	9
Hamamatsu	S9971-1006	IS229-624-01S-R29-L14	1	9	Hamamatsu	S3904-512Q	IS229-422-01S-R29-L14	1	9
Hamamatsu	S9971-1007	IS229-624-01S-R29-L14	1	9	Hamamatsu	S3901-512Q	IS229-422-01S-R29-L14	1	9
Hamamatsu	S9971-1008	IS229-924-01S-R29-L14	1	9	Hamamatsu	S3904-1024Q	IS229-422-01S-R29-L14	1	9
Hamamatsu	S9972-1007	IS229-424-01S-R29-L14	1	9	Hamamatsu	S3901-256F	IS229-422-01S-R29-L14	1	9
Hamamatsu	S9972-1008	IS229-624-01S-R29-L14	1	9	Hamamatsu	S3904-512F	IS229-422-01S-R29-L14	1	9
Hamamatsu	S9973-1007	IS229-624-01S-R29-L14	1	9	Hamamatsu	S3901-512F	IS229-422-01S-R29-L14	1	9
Hamamatsu	S9973-1008	IS229-924-01S-R29-L14	1	9	Hamamatsu	S3904-1024F	IS229-422-01S-R29-L14	1	9
Hamamatsu	S9978	IS229-924-01S-R29-L14	1	9	Hamamatsu	S3902-128Q	IS229-422-01S-R29-L14	1	9
Hamamatsu	S9979	IS229-628-01S-R29-L14	1	9	Hamamatsu	S3903-256Q	IS229-422-01S-R29-L14	1	9
Hamamatsu	G9201-256	IS229-826-01S-R29-L14	1	9	Hamamatsu	S3902-256Q	IS229-422-01S-R29-L14	1	9
Hamamatsu	G9202-521S	IS229-826-01S-R29-L14	1	9	Hamamatsu	S3903-512Q	IS229-422-01S-R29-L14	1	9
Hamamatsu	G9203-256D	IS229-826-01S-R29-L14	1	9	Hamamatsu	S3902-512Q	IS229-422-01S-R29-L14	1	9
Hamamatsu	G9203-256S	IS229-826-01S-R29-L14	1	9	Hamamatsu	S3903-1024Q	IS229-422-01S-R29-L14	1	9
Hamamatsu	G9204-512D	IS229-826-01S-R29-L14	1	9	Hamamatsu	S3901-256FX	IS229-422-01S-R29-L14	1	9
Hamamatsu	G9201-512S	IS229-828-01S-R29-L14	1	9	Hamamatsu	S3091-512FX	IS229-422-01S-R29-L14	1	9
Hamamatsu	G9205-256W	IS229-828-01S-R29-L14	1	9	Hamamatsu	S3921-128Q	IS229-422-01S-R29-L14	1	9
Hamamatsu	G9206-256W	IS229-828-01S-R29-L14	1	9	Hamamatsu	S3924-256Q	IS229-422-01S-R29-L14	1	9
Hamamatsu	G9207-256W	IS229-828-01S-R29-L14	1	9	Hamamatsu	S3921-256Q	IS229-422-01S-R29-L14	1	9
Hamamatsu	G9208-256W	IS229-828-01S-R29-L14	1	9	Hamamatsu	S3924-512Q	IS229-422-01S-R29-L14	1	9
Hamamatsu	G9211-256S	IS229-828-01S-R29-L14	1	9	Hamamatsu	S3921-512Q	IS229-422-01S-R29-L14	1	9
Hamamatsu	G9212-512S	IS229-828-01S-R29-L14	1	9	Hamamatsu	S3924-1024Q	IS229-422-01S-R29-L14	1	9
Hamamatsu	G9213-256S	IS229-828-01S-R29-L14	1	9	Hamamatsu	S9226	IS229-308-01S-R29-L14	1	9
Hamamatsu	G9214-512S	IS229-828-01S-R29-L14	1	9	Hamamatsu	S9377-128Q	IS229-308-01S-R29-L14	1	9
Hamamatsu	G9494-256D	IS229-422-01S-R29-L14	1	9	Hamamatsu	S8378-256Q	IS229-308-01S-R29-L14	1	9
Hamamatsu	G9494-512D	IS229-622-01S-R29-L14	1	9	Hamamatsu	S8377-256Q	IS229-308-01S-R29-L14	1	9
Hamamatsu	S9970-0906	IS229-424-01S-R29-L14	1	9	Hamamatsu	S8378-512Q	IS229-308-01S-R29-L14	1	9
Hamamatsu	S9970-1006	IS229-424-01S-R29-L14	1	9	Hamamatsu	S8377-512Q	IS229-308-01S-R29-L14	1	9
Hamamatsu	S9970-1007	IS229-424-01S-R29-L14	1	9	Hamamatsu	S8379-1024Q	IS229-308-01S-R29-L14	1	9
Hamamatsu	S9970-1008	IS229-624-01S-R29-L14	1	9	Hamamatsu	S10077	IS229-424-01S-R29-L14	1	9
Hamamatsu	S10140-1007	IS229-924-01S-R29-L14	1	9	Hamamatsu	S5930-256S	IS229-622-01S-R29-L14	1	9
Hamamatsu	S10140-1008	IS229-924-01S-R29-L14	1	9	Hamamatsu	S5931-512S	IS229-622-01S-R29-L14	1	9
Hamamatsu	S10140-1009	IS229-924-01S-R29-L14	1	9	Hamamatsu	S5930-512S	IS229-624-01S-R29-L14	1	9
Hamamatsu	S10140-1107	IS229-924-01S-R29-L14	1	9	Hamamatsu	S5931-1024S	IS229-624-01S-R29-L14	1	9
Hamamatsu	S10140-1108	IS229-924-01S-R29-L14	1	9	Hamamatsu	S3922-128Q	IS229-422-01S-R29-L14	1	9
Hamamatsu	S10140-1109	IS229-924-01S-R29-L14	1	9	Hamamatsu	S3923-256Q	IS229-422-01S-R29-L14	1	9
Hamamatsu	S10141-1007S	IS229-924-01S-R29-L14	1	9	Hamamatsu	S3922-256Q	IS229-422-01S-R29-L14	1	9
Hamamatsu	S10141-1008S	IS229-924-01S-R29-L14	1	9	Hamamatsu	S3923-512Q	IS229-422-01S-R29-L14	1	9
Hamamatsu	S10141-1009S	IS229-924-01S-R29-L14	1	9	Hamamatsu	S3922-512Q	IS229-422-01S-R29-L14	1	9
Hamamatsu	S10141-1107S	IS229-924-01S-R29-L14	1	9	Hamamatsu	S3923-1024Q	IS229-422-01S-R29-L14	1	9
Hamamatsu	S10141-1108S	IS229-924-01S-R29-L14	1	9	Hamamatsu	S3901-1024Q	IS231-622-01S-R29-L14	7	10
Hamamatsu	S10141-1109S	IS229-924-01S-R29-L14	1	9	Hamamatsu	S3904-2048Q	IS231-622-01S-R29-L14	7	10

Additional Sockets Available for most Image Sensor Devices
For Terminal Details see page 20

Image Sensor Manufacturer Cross-Reference

Manufacturer	Sensor	Andon Part Number	Fig #	Pg. #	Manufacturer	Sensor	Andon Part Number	Fig #	Pg. #
Hamamatsu	S10201-04	IS232-440-274K-R29-L14	8	18	Micron	MT9M413	575-19-25-281-01M-R29-L14	33	14
Hamamatsu	S7018-1010	575-13-83-048-80S-R29-L14	18	13	Micron	MT9M413C36STC	575-19-25-281-01M-R29-L14	33	14
Hamamatsu	S7019-1009	575-13-83-048-80S-R29-L14	18	13	Micron	MT9V011	620-28-SM-G10-L14-X	23	19
Hamamatsu	S8550	585-07-02-034-211M-R29-L14	31	19	Micron	MT9V043_00STC	680-48-SM-G10-R14-X	23	19
Kilburn Isotronics	KTP-17001700-060-001	575-16-25-060-885-R29-L14	32	14	Micron	MT9V403	680-48-SM-G10-R14-X	23	19
Kodak	KAC-02000A	620-100-SM-G10-R14-X	23	19	Motorola	MCM 20014	680-48-SM-G10-R14-X	23	19
Kodak	KAC-9619M	680-48-SM-G10-R14-X	23	19	Motorola	MCM 20027	680-48-SM-G10-R14-X	23	19
Kodak	KAC-9618	680-48-SM-G10-R14-X	23	19	National Semiconductor	LM9617CCEA	680-48-SM-G10-R14-X	23	19
Kodak	KAC-9619	680-48-SM-G10-R14-X	23	19	National Semiconductor	LM9617CCEA-2	680-48-SM-G10-R14-X	23	19
Kodak	KAC-9628	680-48-SM-G10-R14-X	23	19	National Semiconductor	LM9627CCEA	680-48-SM-G10-R14-X	23	19
Kodak	KAF-0261E	IS229-824-01S-R29-L14-A	1A	10	National Semiconductor	LM9627CCEA-2	680-48-SM-G10-R14-X	23	19
Kodak	KAF-0402E	IS229-824-01S-R29-L14-A	1A	10	National Semiconductor	LM9627CCEA-2	680-48-SM-G10-R14-X	23	19
Kodak	KAF-1001E	IS229-1426-01S-R29-L14	1	9	National Semiconductor	LM9648CEA	680-48-SM-G10-R14-X	23	19
Kodak	KAF-1603	IS230-6367D-75M-R29-L14-A	38	16	NEC	μPD3728DZ	IS231-636-01S-R29-L14	7	10
Kodak	KAF-16801E	IS229-2034-80S-R29-L14	1	9	NEC	μPD3734A	IS229-422-80S-R29-L14	1	9
Kodak	KAF-16802CE	IS229-2034-80S-R29-L14	1	9	NEC	μPD3737	IS229-422-80S-R29-L14	1	9
Kodak	KAF-18000	IS230-18860-75S-R29-L14	1	9	NEC	μPD3739	IS229-422-80S-R29-L14	1	9
Kodak	KAF-22000CE	IS229-2044-80S-R29-L14	1	9	NEC	μPD3747	IS229-422-80S-R29-L14	1	9
Kodak	KAF-31600	IS230-18860-75S-R29-L14	6	15	NEC	μPD3753	IS229-422-80S-R29-L14	1	9
Kodak	KAF-3200E	IS229-824-01S-R29-L14-A	1A	10	NEC	μPD3768	IS231-636-01S-R29-L14	7	10
Kodak	KAF-3200ME	IS229-824-01S-R29-L14-A	1A	10	NEC	μPD3778	IS229-432-80S-R29-L14	1	9
Kodak	KAF-39000	IS230-2064-75S-R29-L14	6	15	NEC	μPD3788	IS231-636-01S-R29-L14	7	10
Kodak	KAF-4202	IS229-1226-80S-R29-L14	1	9	NEC	μPD3798	IS229-432-80S-R29-L14	1	9
Kodak	KAF-4301E	405-20-01S-R29-L14 (QTY 2)	10	12	NEC	μPD3799	IS229-432-80S-R29-L14	1	9
Kodak	KAF-6303E	IS229-8826-01S-R29-L14	1	9	NEC	μPD8861	IS229-422-80S-R29-L14	1	9
Kodak	KAI-01050	IS230-6367D-75M-R29-L14-A	38	16	NEC	μPD8870	IS229-432-80S-R29-L14	1	9
Kodak	KAI-01050	IS230-6367D-75S-R29-L14-A	38	16	NEC	μPD8871	IS229-432-80S-R29-L14	1	9
Kodak	KAI-0330D	IS230-420-75S-R29-L14	6	15	Peripheral	PI0128WSN	IS229-422-01S-R29-L14	1	9
Kodak	KAI-0340D	IS232-522-274U-R29-L14	8	18	Peripheral	PI0256HSN	IS229-422-01S-R29-L14	1	9
Kodak	KAI-1003M	IS229-1028-01S-R29-L14-A	1A	10	Peripheral	PI0256WSN	IS229-422-01S-R29-L14	1	9
Kodak	KAI-1010	IS229-824-01S-R29-L14-A	1A	10	Peripheral	PI0512HSN	IS229-422-01S-R29-L14	1	9
Kodak	KAI-10100	IS230-832-75S-R29-L14	6	15	Peripheral	PI0512WS	IS229-422-01S-R29-L14	1	9
Kodak	KAI-1020 LCC	680-64-SM-G10-R14-X	23	19	Peripheral	PI0512WSN	IS229-422-01S-R29-L14	1	9
Kodak	KAI-1020 PGA	575-11-42-068-01S-R29-L14	15	13	Peripheral	PI1024HSN	IS229-422-01S-R29-L14	1	9
Kodak	KAI-11000	IS230-1340-75S-R29-L14	6	15	Perkin Elmer	HL2048P	IS229-420-01S-R29-L14	1	9
Kodak	KAI-11000C	IS230-1340-75S-R29-L14	6	15	Perkin Elmer	HL4096P	IS231-428-01S-R29-L14	7	10
Kodak	KAI-11000CM	IS230-1340-75S-R29-L14	6	15	Perkin Elmer	RA1133J	IS229-1330-01M-R29-L14	1	9
Kodak	KAI-11002	IS230-1340-75S-R29-L14	6	15	Perkin Elmer	RL1201	IS229-422-01S-R29-L14	1	9
Kodak	KAI-1600	IS230-1340-75M-R29-L14	6	15	Perkin Elmer	RL1502	IS229-422-01S-R29-L14	1	9
Kodak	KAI-16000	IS230-1340-75M-R29-L14	6	15	Perkin Elmer	RL1505	IS229-422-01S-R29-L14	1	9
Kodak	KAI-1800	IS230-18860-75S-R29-L14	6	15	Philips	FT 18	IS230-632-75S-R29-L14	6	15
Kodak	KAI-2001	IS230-832-75S-R29-L14-A	6A	15	Philips	FTF3020-C	575-20-16-096-01S-R29-L14	22	13
Kodak	KAI-2020	IS230-832-75S-R29-L14-A	6A	15	Philips	FTF3020-M	575-20-16-096-01S-R29-L14	22	13
Kodak	KAI-2093M	IS230-832-75S-R29-L14-A	6A	15	Philips	FTT1010-M	575-15-63-080-01S-R29-L14	20	13
Kodak	KAI-31600	IS230-18860-75S-R29-L14	6	15	Philips	SA5212A	IS229-308-01S-R29-L14	1	9
Kodak	KAI-4010M	IS230-1034-75S-R29-L14-A	6A	15	Philips	SAA4981	IS229-624-01S-R29-L14	1	9
Kodak	KAI-4021	IS230-1034-75S-R29-L14-A	6A	15	Philips	SCC2691	IS229-324-01S-R29-L14	1	9
Kodak	KAI-4021CM	IS230-1034-75S-R29-L14-A	6A	15	Samsung	S5f329PW02	IS230-416-75S-R29-L14	6	15
Kodak	KAI-4021M	IS230-1034-75S-R29-L14-A	6A	15	SITe	SI-003A	575-15-64-056-88S-R29-L14	21	13
Kodak	KLI-10203	IS231-6140-01S-R29-L14	7	10	SITe	SI-502A	575-12-22-044-88S-R29-L14	17	13
Kodak	KLI-14403	IS231-6140-01S-R29-L14	7	10					
Kodak	KLI-2113	IS229-6128-01S-R29-L14	1	9					
Kodak	KLI-4104	IS233-4146-75S-R29-L14	9	16					
Kodak	KLI-8023	IS231-6140-01S-R29-L14	7	10					
Kyocera	KD-DA6014-A	620-84A-SM-G10-L14-X	23	19					
Kyocera	LCC8470001	620-84-SM-G10-L14-X	23	19					
Micron	MT9D131	680-48-SM-G10-R14-X	23	19					
Micron	MT9M001	680-48-SM-G10-R14-X	23	19					
Micron	MT9M001C12STC	680-48-SM-G10-R14-X	23	19					
Micron	MT9V030C12ST	680-48-SM-G10-R14-X	23	19					

Additional Sockets Available for most Image Sensor Devices
For Terminal Details see page 20

IS-08A *Sockets are not drawn to scale 10/08

Image Sensor Manufacturer Cross-Reference

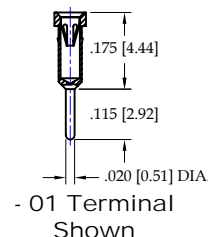
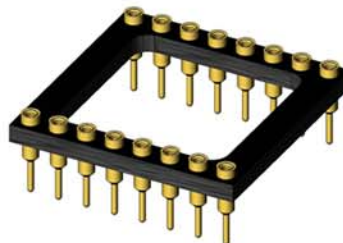
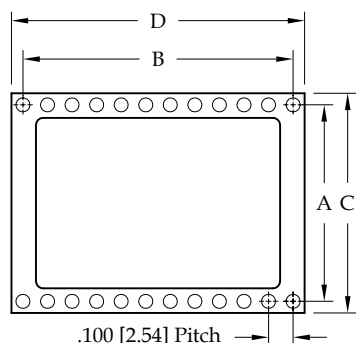
Manufacturer	Sensor	Andon Part Number	Fig #	Pg. #	Manufacturer	Sensor	Andon Part Number	Fig #	Pg. #
Sony	ICS429ALB	IS232-316-274U-R29-L14	8	18	Sony	ICX206AKB	R225-1413-01-400T4-R29-L14	34	19
Sony	ICX038DNA	IS230-620-75S-R29-L14	6	15	Sony	ICX207AKB	R225-1413-01-400T4-R29-L14	34	19
Sony	ICX098BL	IS232-414-274U-R29-L14	8	18	Sony	ICX259AK	IS232-4516-274U-R29-L14	8	18
Sony	ICX098BQ	IS232-414-274U-R29-L14	8	18	Sony	ICX282AK	IS232-5724-274U-R29-L14	8	18
Sony	ICX204AK	IS232-4516-274U-R29-L14	8	18	Sony	ICX282AQ	IS232-5724-274U-R29-L14	8	18
Sony	ICX204AL	IS232-4516-274U-R29-L14	8	18	Sony	ICX284AK	IS232-4516-274U-R29-L14	8	18
Sony	ICX205AK	IS230-620-75S-R29-L14	6	15	Sony	ICX284AQ	IS232-4516-274U-R29-L14	8	18
Sony	ICX205AL	IS230-620-75S-R29-L14	6	15	Sony	ICX404AK	IS232-4516-274U-R29-L14	8	18
Sony	ICX206AK	IS232-414-274U-R29-L14	8	18	Sony	ICX404AL	IS232-4516-274U-R29-L14	8	18
Sony	ICX206AL	IS232-414-274U-R29-L14	8	18	Sony	ICX405AK	IS232-4516-274U-R29-L14	8	18
Sony	ICX207AK	IS232-414-274U-R29-L14	8	18	Sony	ICX405AL	IS232-4516-274U-R29-L14	8	18
Sony	ICX207AL	IS232-414-274U-R29-L14	8	18	Sony	ICX406AQ	IS232-4820-274U-R29-L14	8	18
Sony	ICX224AK	IS232-520-274U-R29-L14	8	18	Sony	ICX408AK	IS232-4516-274U-R29-L14	8	18
Sony	ICX224AQ	IS232-4820-274U-R29-L14	8	18	Sony	ICX408AL	IS232-4516-274U-R29-L14	8	18
Sony	ICX226AK	IS232-414-274U-R29-L14	8	18	Sony	ICX409AK	IS232-4516-274U-R29-L14	8	18
Sony	ICX226AL	IS232-414-274U-R29-L14	8	18	Sony	ICX409AL	IS232-4516-274U-R29-L14	8	18
Sony	ICX227AK	IS232-414-274U-R29-L14	8	18	Sony	ICX412AQ	IS232-4820-274U-R29-L14	8	18
Sony	ICX227AL	IS232-414-274U-R29-L14	8	18	Sony	ICX414-AL	IS232-622-274U-R29-L14	8	18
Sony	ICX228AK	IS232-414-274U-R29-L14	8	18	Sony	ICX414AQ	IS232-622-274U-R29-L14	8	18
Sony	ICX228AL	IS232-414-274U-R29-L14	8	18	Sony	ICX415AL	IS232-622-274U-R29-L14	8	18
Sony	ICX229AK	IS232-414-274U-R29-L14	8	18	Sony	ICX415AQ	IS232-622-274U-R29-L14	8	18
Sony	ICX229AL	IS232-414-274U-R29-L14	8	18	Sony	ICX418AKB	IS232-316-274U-R29-L14	8	18
Sony	ICX232BQ	IS232-416-274U-R29-L14	8	18	Sony	ICX419AKB	IS232-316-274U-R29-L14	8	18
Sony	ICX252AK	IS232-4820-274U-R29-L14	8	18	Sony	ICX419ALB	IS232-316-274U-R29-L14	8	18
Sony	ICX252AQ	IS232-4820-274U-R29-L14	8	18	Sony	ICX424AL	IS232-4516-274U-R29-L14	8	18
Sony	ICX254AK	IS232-4516-274U-R29-L14	8	18	Sony	ICX424AQ	IS232-4516-274U-R29-L14	8	18
Sony	ICX254AL	IS232-4516-274U-R29-L14	8	18	Sony	ICX428ALB	IS232-316-274U-R29-L14	8	18
Sony	ICX255AK	IS232-4516-274U-R29-L14	8	18	Sony	ICX429ALL	IS230-620-75S-R29-L14-A	6A	15
Sony	ICX255AL	IS232-4516-274U-R29-L14	8	18	Sony	ICX434AQ	IS232-4516-274U-R29-L14	8	18
Sony	ICX258AK	IS232-4516-274U-R29-L14	8	18	Sony	ICX445ALA	IS232-5724-274U-R29-L14	8	18
Sony	ICX258AL	IS232-4516-274U-R29-L14	8	18	Sony	ILX585K	IS233-424-75S-R29-L14	9	16
Sony	ICX259AK	IS232-4516-274U-R29-L14	8	18	TI	TC211	IS229-306-01S-R29-L14	1	9
Sony	ICX262AQ	IS232-4820-274U-R29-L14	8	18	TI	TC217	IS229-422-88S-R29-L14-A	1A	10
Sony	ICX267AK	IS232-4820-274U-R29-L14	8	18	TI	TC237B	IS230-4512-75S-R29-L14	6	15
Sony	ICX274AL	IS232-4820-274U-R29-L14	8	18	TI	TC241	IS229-422-88S-R29-L14-A	1A	10
Sony	ICX278AK	IS232-414-274U-R29-L14	8	18	TI	TC246	IS230-724-75S-R29-L14-A	6A	15
Sony	ICX278AL	IS232-414-274U-R29-L14	8	18	TI	TC247	IS230-724-75S-R29-L14-A	6A	15
Sony	ICX279AK	IS232-414-274U-R29-L14	8	18	TI	TC253	IS230-4512-75S-R29-L14	6	15
Sony	ICX285AL	IS229-820-80S-R29-L14	1	9	TI	TC255	IS229-408-01S-R29-L14	1	9
Sony	ICX285AQ	IS229-820-80S-R29-L14	1	9	TI	TC281	IS229-722-80S-R29-L14-A	1A	10
Sony	ICX418AKL	IS230-620-75S-R29-L14	6	15	TI	TC285SPD-31	IS230-828-75S-R29-L14	6	15
Sony	ICX418ALL	IS230-620-75S-R29-L14	6	15	TI	TC341	IS229-722-80S-R29-L14-A	1A	10
Sony	ICX419AKL	IS230-620-75S-R29-L14	6	15	Toshiba	TCD1201D	IS229-422-01S-R29-L14	1	9
Sony	ICX419ALL	IS230-620-75S-R29-L14	6	15	Toshiba	TCD1205D	IS229-422-01S-R29-L14	1	9
Sony	ICX422AL	IS229-820-80S-R29-L14	1	9	Toshiba	TCD1304AP	IS229-422-80S-R29-L14	1	9
Sony	ICX423AL	IS229-820-80S-R29-L14	1	9	Toshiba	TCD1500C	IS229-422-01S-R29-L14	1	9
Sony	ICX428AKL	IS230-620-75S-R29-L14	6	15	Toshiba	TCD1501C	IS229-422-01S-R29-L14	1	9
Sony	ICX428ALL	IS230-620-75S-R29-L14	6	15	Toshiba	TCD1502C	IS229-422-01S-R29-L14	1	9
Sony	ICX429AKL	IS230-620-75S-R29-L14	6	15	Toshiba	TCD1702C	IS229-422-01S-R29-L14	1	9
Sony	ILX551A	IS229-422-80S-R29-L14	1	9	Toshiba	TCD1707D	IS229-422-01S-R29-L14	1	9
Sony	ILX551B	IS229-422-80S-R29-L14	1	9					
Sony	ILX553A	IS229-422-80S-R29-L14	1	9					
Sony	ILX553B	IS229-422-80S-R29-L14	1	9					
Sony	ILX554B	IS229-422-80S-R29-L14	1	9					
Sony	ILX555K	IS229-422-80S-R29-L14	1	9					
Sony	ILX558K	IS229-422-80S-R29-L14	1	9					
Sony	ILX569K	IS229-422-80S-R29-L14	1	9					
Sony	ILX751A	IS229-422-80S-R29-L14	1	9					
Sony	ILX751B	IS229-422-80S-R29-L14	1	9					
Sony	ISX205AK	IS230-620-75S-R29-L14	6	15					

*Additional Sockets Available for most Image Sensor Devices
For Terminal Details see page 20*

.100 [2.54] Pitch Image Sensor DIP Sockets

[Any Configuration or Pin Layout can be custom designed to your requirements!]

Fig.1
Top View



For Terminal Details or other
Terminal Styles see Page 20

.100 [2.54] Pitch

Andon Part Number	Figure Number	Pin QTY.	A	B	C	D
IS229-306-01S-R29-L14	1	6	.300 (7.62)	.200 (5.08)	.397 (10.08)	.297 (7.54)
IS229-308-01S-R29-L14	1	8	.300 (7.62)	.300 (7.62)	.397 (10.08)	.397 (10.08)
IS229-318-01S-R29-L14	1	18	.300 (7.62)	.800 (20.32)	.397 (10.08)	.897 (22.78)
IS229-324-01S-R29-L14	1	24	.300 (7.62)	1.100 (27.94)	.397 (10.08)	1.197 (30.40)
IS229-408-01S-R29-L14	1	8	.400 (10.16)	.300 (7.62)	.497 (12.62)	.397 (10.08)
IS229-420-01S-R29-L14	1	20	.400 (10.16)	.900 (22.86)	.497 (12.62)	.997 (25.32)
IS229-422-01S-R29-L14	1	22	.400 (10.16)	1.000 (25.40)	.497 (12.62)	1.097 (27.86)
IS229-422-80S-R29-L14	1	22	.400 (10.16)	1.000 (25.40)	.497 (12.62)	1.097 (27.86)
IS229-424-80S-R29-L14	1	24	.400 (10.16)	1.100 (27.94)	.497 (12.62)	1.197 (30.40)
IS229-432-80S-R29-L14	1	32	.400 (10.16)	1.500 (38.10)	.497 (12.62)	1.597 (40.56)
IS229-6120-80S-R29-L14	1	20	.610 (15.49)	.900 (22.86)	.707 (17.96)	.997 (25.32)
IS229-6124-01S-R29-L14	1	24	.610 (15.49)	1.100 (27.94)	.707 (17.96)	1.197 (30.40)
IS229-6128-01S-R29-L14	1	28	.610 (15.49)	1.300 (33.02)	.707 (17.96)	1.397 (35.48)
IS229-6140-01S-R29-L14	1	40	.610 (15.49)	1.900 (48.26)	.707 (17.96)	1.997 (50.72)
IS229-620-01S-R29-L14	1	20	.600 (15.24)	.900 (22.86)	.697 (17.70)	.997 (25.32)
IS229-622-01S-R29-L14	1	22	.600 (15.24)	1.000 (25.40)	.697 (17.70)	1.097 (27.86)
IS229-624-01S-R29-L14	1	24	.600 (15.24)	1.100 (27.94)	.697 (17.70)	1.197 (30.40)
IS229-624-80S-R29-L14	1	24	.600 (15.24)	1.100 (27.94)	.697 (17.70)	1.197 (30.40)
IS229-628-80S-R29-L14	1	28	.600 (15.24)	1.300 (33.02)	.697 (17.70)	1.397 (35.48)
IS229-650-01S-R29-L14	1	50	.600 (15.24)	2.400 (60.96)	.697 (17.70)	2.497 (63.42)
IS229-656-01S-R29-L14	1	56	.600 (15.24)	2.700 (68.58)	.697 (17.70)	2.797 (71.04)
IS229-820-80S-R29-L14	1	20	.800 (20.32)	.900 (22.86)	.897 (22.78)	.997 (25.32)
IS229-824-01S-R29-L14	1	24	.800 (20.32)	1.100 (27.94)	.897 (22.78)	1.197 (30.40)
IS229-826-01S-R29-L14	1	26	.800 (20.32)	1.200 (30.48)	.897 (22.78)	1.297 (32.94)
IS229-828-88S-R29-L14	1	28	.800 (20.32)	1.300 (33.02)	.897 (22.78)	1.397 (35.48)
IS229-8826-01S-R29-L14	1	26	.880 (22.35)	1.200 (30.48)	.977 (24.82)	1.297 (32.94)
IS229-8826-80S-R29-L14	1	26	.880 (22.35)	1.200 (30.48)	.977 (24.82)	1.297 (32.94)
IS229-9124-80S-R29-L14	1	24	.910 (23.11)	1.100 (27.94)	1.007 (25.58)	1.197 (30.40)
IS229-924-01S-R29-L14	1	24	.900 (22.86)	1.100 (27.94)	.997 (25.32)	1.197 (30.40)
IS229-932-01S-R29-L14	1	32	.900 (22.86)	1.500 (38.10)	.997 (25.32)	1.597 (40.56)
IS229-940-01S-R29-L14	1	40	.900 (22.86)	1.900 (48.26)	.997 (25.32)	1.997 (50.72)
IS229-1226-80S-R29-L14	1	26	1.200 (30.48)	1.200 (30.48)	1.297 (32.94)	1.297 (32.94)
IS229-1330-01M-R29-L14	1	30	1.300 (33.02)	1.400 (35.56)	1.397 (35.48)	1.497 (38.02)
IS229-1426-01S-R29-L14	1	26	1.410 (35.81)	1.200 (30.48)	1.507 (38.28)	1.297 (32.94)
IS229-1824-80S-R29-L14	1	24	1.800 (45.72)	1.100 (27.94)	1.897 (48.18)	1.197 (30.40)
IS229-2024-80S-R29-L14	1	24	2.000 (50.80)	1.100 (27.94)	2.097 (53.26)	1.197 (30.40)
IS229-2034-80S-R29-L14	1	34	2.010 (51.05)	1.600 (40.64)	2.107 (53.52)	1.697 (43.10)
IS229-2044-80S-R29-L14	1	44	2.010 (51.05)	2.100 (53.34)	2.107 (53.52)	2.197 (55.80)
IS229-2239-01S-R29-L14	1	39	2.200 (55.88)	1.850 (46.99)	2.297 (58.34)	1.947 (49.45)
IS229-2640-01S-R29-L14	1	40	2.600 (66.04)	1.900 (48.26)	2.697 (68.50)	1.997 (50.72)

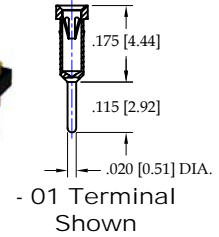
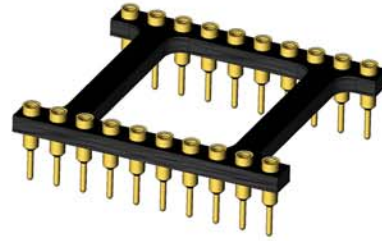
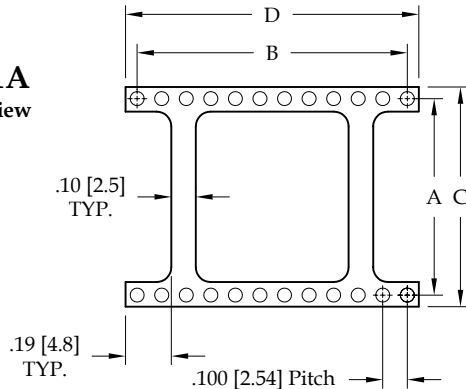
See Page 2 for Low Profile SIP Version of the above sockets

.100 [2.54] Pitch

.100 [2.54] Pitch Image Sensor DIP Sockets

[Any Configuration or Pin Layout can be custom designed to your requirements!]

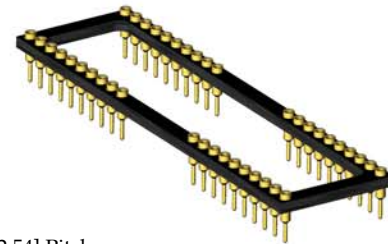
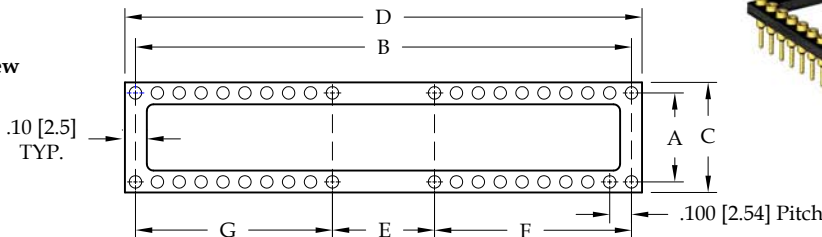
Fig.1A
Top View



For Terminal Details or other Terminal Styles see Page 20

Andon Part Number	Figure Number	Pin QTY.	A	B	C	D
IS229-422-88S-R29-L14-A	1A	22	.400 (10.16)	1.000 (25.40)	.497 (12.62)	1.097 (27.86)
IS229-722-80S-R29-L14-A	1A	22	.700 (17.78)	1.000 (25.40)	.797 (20.24)	1.097 (27.86)
IS229-820-80S-R29-L14-A	1A	20	.800 (20.32)	.900 (22.86)	.897 (22.78)	.997 (25.32)
IS229-824-01S-R29-L14-A	1A	24	.800 (20.32)	1.100 (27.94)	.897 (22.78)	1.197 (30.40)
IS229-1028-01S-R29-L14-A	1A	28	1.005 (25.53)	1.300 (33.02)	1.102 (27.99)	1.397 (35.48)

Fig.7
Top View



Andon Part Number	Figure Number	Pin QTY.	A	B	C	D	E	F	G
IS231-428-01S-R29-L14	7	28	.400 (10.16)	2.500 (63.50)	.497 (12.62)	2.597 (65.96)	1.300 (33.02)	.600 (15.24)	.600 (15.24)
IS231-622-01S-R29-L14	7	22	.600 (15.24)	1.900 (48.26)	.697 (17.70)	1.997 (50.72)	1.000 (25.40)	.500 (12.70)	.400 (10.16)
IS231-636-01S-R29-L14	7	36	.600 (15.24)	3.500 (88.90)	.697 (17.70)	3.597 (91.36)	1.900 (48.26)	.800 (20.32)	.800 (20.32)
IS231-644-80M-R29-L14	7	44	.600 (15.24)	3.500 (88.90)	.697 (17.70)	3.597 (91.36)	1.500 (38.10)	1.000 (25.40)	1.000 (25.40)
IS231-6140-01S-R29-L14	7	40	.610 (15.49)	2.500 (63.50)	.707 (17.96)	2.597 (65.96)	.700 (17.78)	.900 (22.86)	.900 (22.86)

See Page 2 for Low Profile SIP Version of the above sockets

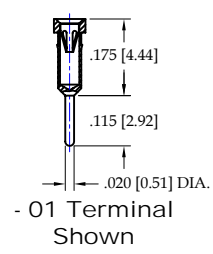
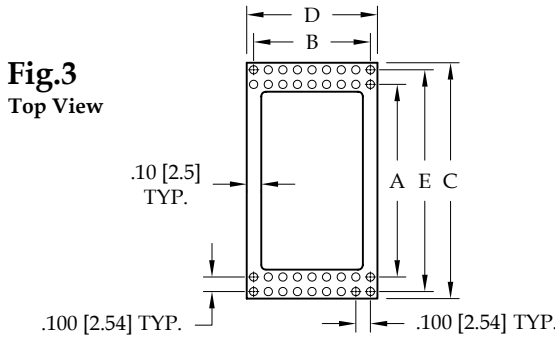
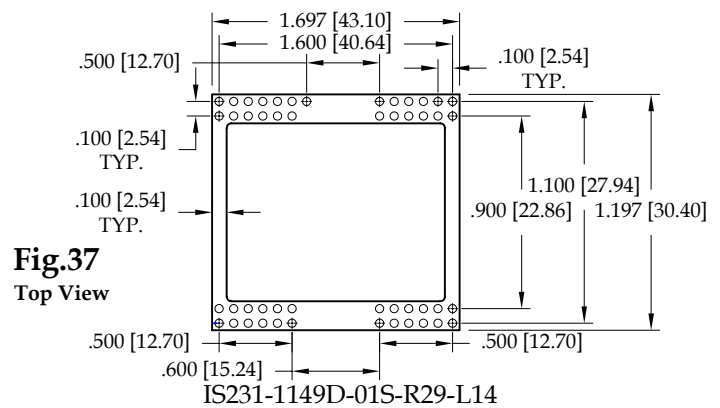
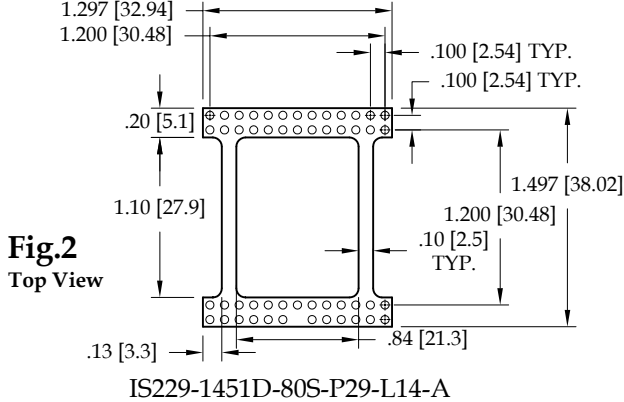
©Copyright 2008 Andon Electronics Corporation. All Rights Reserved. This material is protected under US and other copyrights and may not be copied, sold, or redistributed in any form without written permission of Andon Electronics Corporation. Copyrights and trademarks are property of their respective companies.

IS-08A *Sockets are not drawn to scale 10/08

.100 [2.54] Pitch Image Sensor DIP Sockets

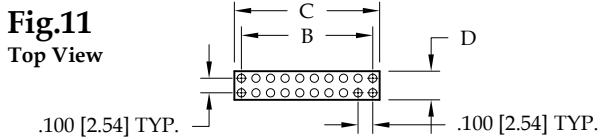
.100 [2.54] Pitch

[Any Configuration or Pin Layout can be custom designed to your requirements!]



For Terminal Details or other Terminal Styles see Page 20

Andon Part Number	Figure Number	Pin QTY.	A	B	C	D	E
IS229-1536D-01S-R29-L14	3	36	1.320 [33.53]	.800 [20.32]	1.616 [41.05]	.896 [22.76]	1.520 [38.61]
IS229-1644D-01S-R29-L14	3	44	1.400 [35.56]	1.000 [25.40]	1.696 [43.08]	1.096 [27.84]	1.600 [40.64]
IS229-1944D-01S-R29-L14	3	44	1.700 [43.18]	1.000 [25.40]	1.996 [50.70]	1.096 [27.84]	1.900 [48.26]
IS229-2488D-01S-R29-L14	3	88	2.200 [55.88]	2.100 [53.34]	2.496 [63.39]	2.197 [55.80]	2.400 [62.99]
IS229-3080D-01S-R29-L14	3	80	2.800 [71.12]	1.900 [48.26]	3.096 [78.64]	1.997 [50.72]	3.000 [76.20]



Andon Part Number	Figure Number	Pin QTY.	B	C	D
409-209-01S-R29-L14	11	18	.800 (20.32)	.897 (22.78)	.196 (4.98)
409-210-80S-R29-L14	11	20	.900 (22.86)	.900 (22.86)	.196 (4.98)
409-211-01S-R29-L14	11	22	1.000 (25.40)	1.000 (25.40)	.196 (4.98)
409-213-80S-R29-L14	11	26	1.200 (30.48)	1.200 (30.48)	.196 (4.98)

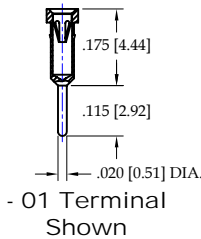
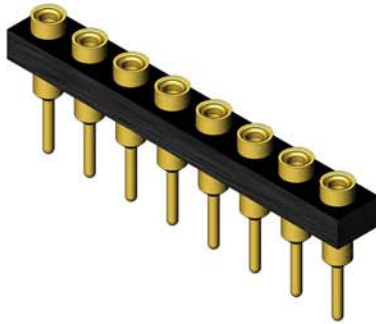
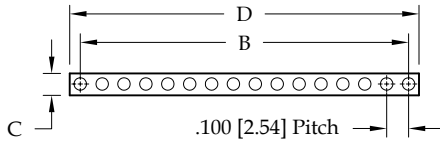
See Page 2 for Low Profile SIP Version of the above sockets

.100 [2.54] Pitch

.100 [2.54] Pitch Image Sensor SIP Sockets

[Any Configuration or Pin Layout can be custom designed to your requirements!]

Fig.10
Top View



For Terminal Details or other
Terminal Styles see Page 20

Andon Part Number	Figure Number	Pin QTY.	B	C	D
405-03-01S-R29-L14	10	3	.200 (5.08)	.100 (2.54)	.297 (7.54)
405-03-80S-R29-L14	10	3	.200 (5.08)	.100 (2.54)	.297 (7.54)
405-04-01S-R29-L14	10	4	.300 (7.62)	.100 (2.54)	.397 (10.08)
405-04-80S-R29-L14	10	4	.300 (7.62)	.100 (2.54)	.397 (10.08)
405-05-01S-R29-L14	10	5	.400 (10.16)	.100 (2.54)	.497 (12.62)
405-05-80S-R29-L14	10	5	.400 (10.16)	.100 (2.54)	.497 (12.62)
405-06-01S-R29-L14	10	6	.500 (12.70)	.100 (2.54)	.597 (15.16)
405-06-80S-R29-L14	10	6	.500 (12.70)	.100 (2.54)	.597 (15.16)
405-07-01S-R29-L14	10	7	.600 (15.24)	.100 (2.54)	.697 (17.70)
405-07-80S-R29-L14	10	7	.600 (15.24)	.100 (2.54)	.697 (17.70)
405-08-01S-R29-L14	10	8	.700 (17.78)	.100 (2.54)	.797 (20.24)
405-08-80S-R29-L14	10	8	.700 (17.78)	.100 (2.54)	.797 (20.24)
405-09-01S-R29-L14	10	9	.800 (20.32)	.100 (2.54)	.897 (22.78)
405-09-80S-R29-L14	10	9	.800 (20.32)	.100 (2.54)	.897 (22.78)
405-10-01S-R29-L14	10	10	.900 (22.86)	.100 (2.54)	.997 (25.32)
405-10-80S-R29-L14	10	10	.900 (22.86)	.100 (2.54)	.997 (25.32)
405-11-01S-R29-L14	10	11	1.000 (25.40)	.100 (2.54)	1.097 (27.86)
405-11-80S-R29-L14	10	11	1.000 (25.40)	.100 (2.54)	1.097 (27.86)
405-11-88S-R29-L14	10	11	1.000 (25.40)	.100 (2.54)	1.097 (27.86)
405-12-01S-R29-L14	10	12	1.100 (27.94)	.100 (2.54)	1.197 (30.40)
405-12-80S-R29-L14	10	12	1.100 (27.94)	.100 (2.54)	1.197 (30.40)
405-13-01S-R29-L14	10	13	1.200 (30.48)	.100 (2.54)	1.297 (32.94)
405-13-80S-R29-L14	10	13	1.200 (30.48)	.100 (2.54)	1.297 (32.94)
405-14-01S-R29-L14	10	14	1.300 (33.02)	.100 (2.54)	1.397 (35.48)
405-14-80S-R29-L14	10	14	1.300 (33.02)	.100 (2.54)	1.397 (35.48)
405-14-88S-R29-L14	10	14	1.300 (33.02)	.100 (2.54)	1.397 (35.48)
405-15-01S-R29-L14	10	15	1.400 (35.56)	.100 (2.54)	1.497 (38.02)
405-15-80S-R29-L14	10	15	1.400 (35.56)	.100 (2.54)	1.497 (38.02)
405-16-01S-R29-L14	10	16	1.500 (38.10)	.100 (2.54)	1.597 (40.56)
405-16-80S-R29-L14	10	16	1.500 (38.10)	.100 (2.54)	1.597 (40.56)
405-17-01S-R29-L14	10	17	1.600 (40.64)	.100 (2.54)	1.697 (43.10)
405-17-80S-R29-L14	10	17	1.600 (40.64)	.100 (2.54)	1.697 (43.10)
405-18-01S-R29-L14	10	18	1.700 (43.18)	.100 (2.54)	1.797 (45.64)
405-18-80S-R29-L14	10	18	1.700 (43.18)	.100 (2.54)	1.797 (45.64)
405-19-01S-R29-L14	10	19	1.800 (45.72)	.100 (2.54)	1.897 (48.18)
405-19-80S-R29-L14	10	19	1.800 (45.72)	.100 (2.54)	1.897 (48.18)
405-20-01S-R29-L14	10	20	1.900 (48.26)	.100 (2.54)	1.997 (50.72)
405-20-80S-R29-L14	10	20	1.900 (48.26)	.100 (2.54)	1.997 (50.72)
405-21-01S-R29-L14	10	21	2.000 (50.80)	.100 (2.54)	2.097 (53.26)
405-21-80S-R29-L14	10	21	2.000 (50.80)	.100 (2.54)	2.097 (53.26)
405-22-01S-R29-L14	10	22	2.100 (53.34)	.100 (2.54)	2.197 (55.80)
405-22-80S-R29-L14	10	22	2.100 (53.34)	.100 (2.54)	2.197 (55.80)
405-23-01S-R29-L14	10	23	2.200 (55.88)	.100 (2.54)	2.297 (58.34)
405-23-80S-R29-L14	10	23	2.200 (55.88)	.100 (2.54)	2.297 (58.34)
405-24-01S-R29-L14	10	24	2.300 (58.42)	.100 (2.54)	2.397 (60.88)
405-24-80S-R29-L14	10	24	2.300 (58.42)	.100 (2.54)	2.397 (60.88)
405-25-01S-R29-L14	10	25	2.400 (60.96)	.100 (2.54)	2.497 (63.42)
405-25-80S-R29-L14	10	25	2.400 (60.96)	.100 (2.54)	2.497 (63.42)
405-26-01S-R29-L14	10	26	2.500 (63.50)	.100 (2.54)	2.597 (65.96)
405-26-80S-R29-L14	10	26	2.500 (63.50)	.100 (2.54)	2.597 (65.96)
405-27-01S-R29-L14	10	27	2.600 (66.04)	.100 (2.54)	2.697 (68.50)
405-27-80S-R29-L14	10	27	2.600 (66.04)	.100 (2.54)	2.697 (68.50)
405-28-01S-R29-L14	10	28	2.700 (68.58)	.100 (2.54)	2.797 (71.04)
405-28-80S-R29-L14	10	28	2.700 (68.58)	.100 (2.54)	2.797 (71.04)
405-29-01S-R29-L14	10	29	2.800 (71.12)	.100 (2.54)	2.897 (73.58)
405-29-80S-R29-L14	10	29	2.800 (71.12)	.100 (2.54)	2.897 (73.58)
405-30-01S-R29-L14	10	30	2.900 (73.66)	.100 (2.54)	2.997 (76.12)
405-30-80S-R29-L14	10	30	2.900 (73.66)	.100 (2.54)	2.997 (76.12)

See Page 2 for Low Profile SIP
Version of the above sockets

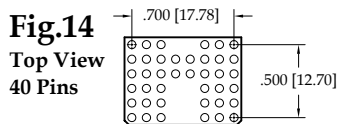
©Copyright 2008 Andon Electronics Corporation. All Rights Reserved. This material is protected under US and other copyrights and may not be copied, sold, or redistributed in any form without written permission of Andon Electronics Corporation. Copyrights and trademarks are property of their respective companies.

IS-08A *Sockets are not drawn to scale 10/08

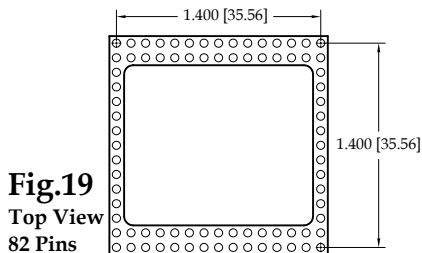
.100 [2.54] Pitch Image Sensor PGA Sockets

[Any Configuration or Pin Layout can be custom designed to your requirements!]

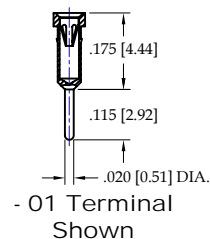
.100 [2.54] Pitch



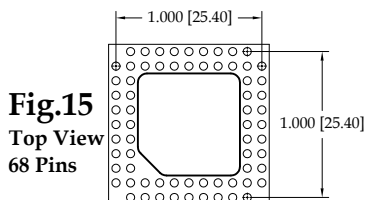
575-08-04-040-80S-R29-L14



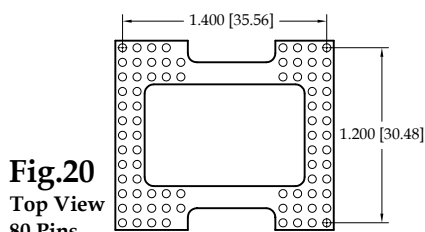
575-15-62-082-80S-R29-L14



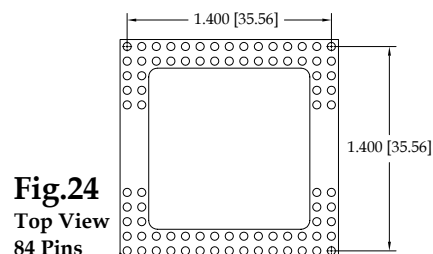
For Terminal Details or other Terminal Styles see Page 20



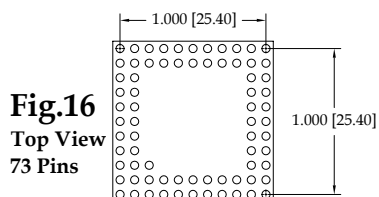
575-11-42-068-01S-R29-L14



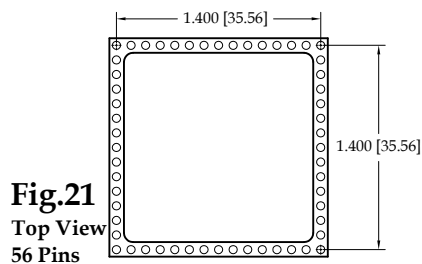
575-15-63-080-01S-R29-L14



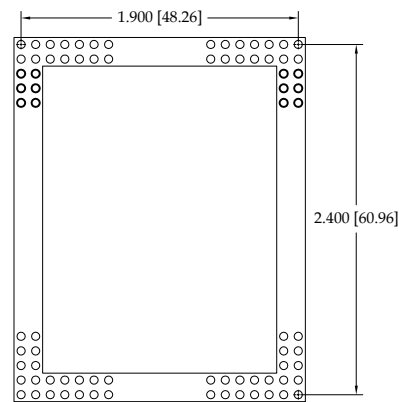
575-15-65-084-01S-R29-L14



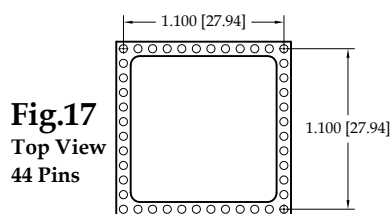
575-11-57-073-01S-R29-L14



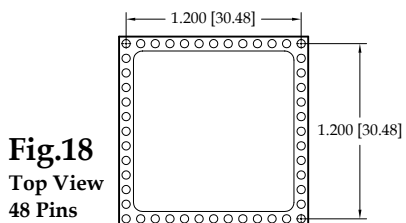
575-15-64-056-88S-R29-L14



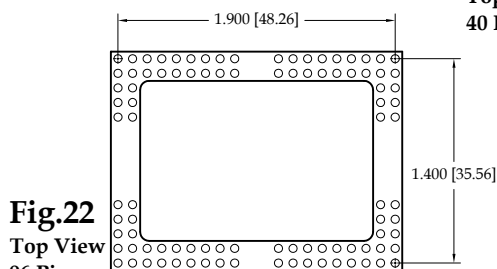
575-25-04-080-01S-R29-L14



575-12-22-044-88S-R29-L14



575-13-83-048-80S-R29-L14



575-20-16-096-01S-R29-L14

See Page 2 for Low Profile SIP Version of the above sockets.

.100 [2.54] Pitch

.100 [2.54] Pitch Image Sensor PGA Sockets

[Any Configuration or Pin Layout can be custom designed to your requirements!]

Fig.26
Top View
104 Pins

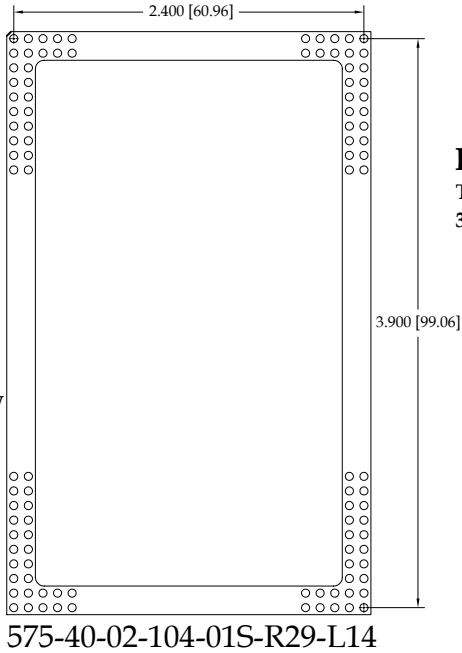
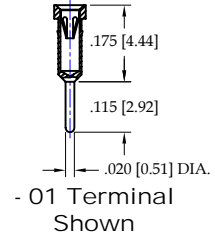
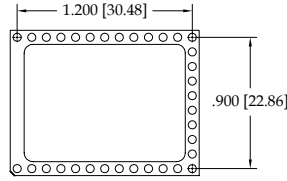


Fig.29
Top View
36 Pins



For Terminal Details or other Terminal Styles see Page 20

Fig.30
Top View
37 Pins

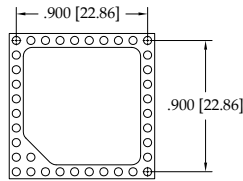


Fig.35
Top View
127 Pins

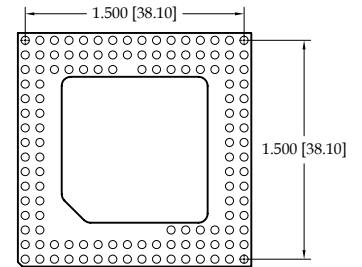


Fig.27
Top View
88 Pins

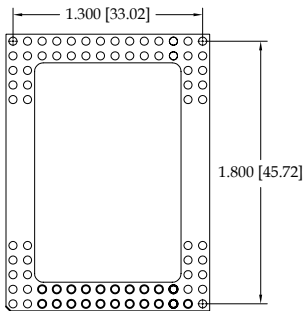


Fig.32
Top View
60 Pins

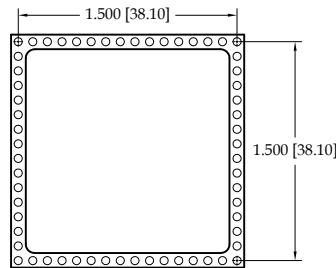


Fig.36
Top View
145 Pins

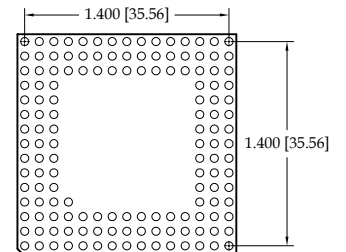


Fig.28
Top View
104 Pins

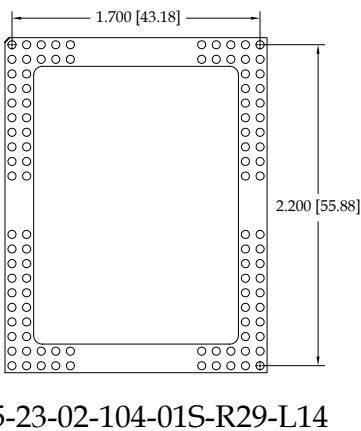
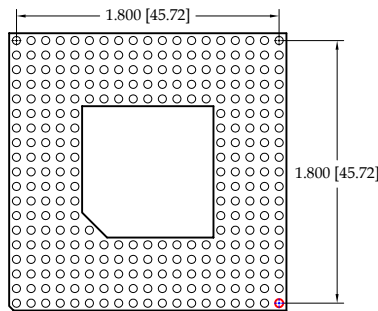


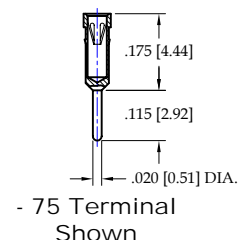
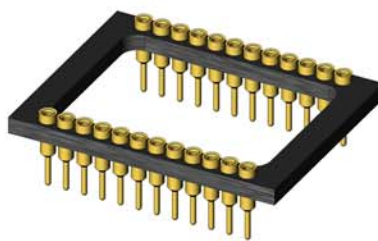
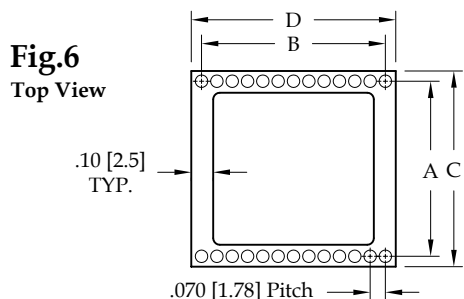
Fig.33
Top View
281 Pins



See Page 2 for Low Profile SIP Version of the above sockets.

.070 [1.78] Pitch Image Sensor DIP Sockets

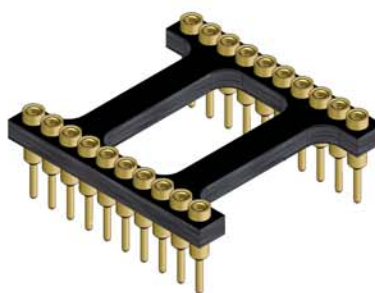
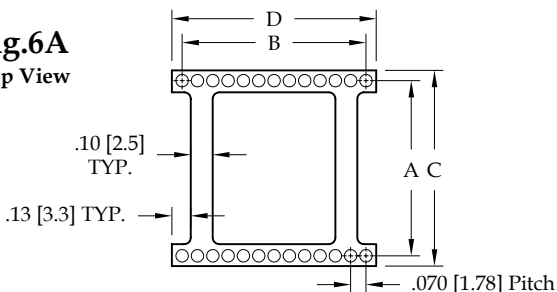
[Any Configuration or Pin Layout can be custom designed to your requirements!]



For Terminal Details or other Terminal Styles see Page 20

Andon Part Number	Figure Number	Pin QTY.	A	B	C	D
IS230-1340-75S-R29-L14	6	40	1.300 (33.02)	1.330 (33.78)	1.397 (35.48)	1.427 (36.25)
IS230-420-75S-R29-L14	6	20	.400 (10.16)	.630 (16.00)	.497 (12.62)	.727 (18.47)
IS230-4512-75S-R29-L14	6	12	.450 (11.43)	.350 (8.89)	.547 (13.89)	.447 (11.35)
IS230-532-75S-R29-L14	6	32	.500 (12.70)	1.050 (26.67)	.597 (15.16)	1.147 (29.13)
IS230-620-75S-R29-L14	6	20	.600 (15.24)	.630 (16.00)	.697 (17.70)	.727 (18.47)
IS230-632-75S-R29-L14	6	32	.600 (15.24)	1.050 (26.67)	.697 (17.70)	1.147 (29.13)
IS230-832-75S-R29-L14	6	32	.800 (20.32)	1.050 (26.67)	.897 (22.78)	1.147 (29.13)
IS230-1232-75S-R29-L14	6	32	1.200 (30.48)	1.050 (26.67)	1.297 (32.94)	1.147 (29.13)
IS230-18860-75S-R29-L14	6	60	1.880 (47.75)	2.030 (51.56)	1.977 (50.22)	2.127 (54.03)
IS230-2064-75S-R29-L14	6	64	2.000 (50.80)	2.170 (55.12)	2.097 (53.26)	2.267 (57.58)
IS230-416-75S-R29-L14	6	16	.400 (10.16)	.490 (12.45)	.497 (12.62)	.587 (14.91)
IS230-828-75S-R29-L14	6	28	.800 (20.32)	.910 (23.11)	.897 (22.78)	1.007 (25.58)
IS230-1232-400T4-R29-L14	6	32	1.200 (30.48)	1.050 (26.67)	1.297 (32.94)	1.147 (29.13)
IS230-930-75S-R29-L14	6	30	.900 (22.86)	.980 (24.89)	.997 (25.32)	1.077 (27.36)
IS230-934-75S-R29-L14	6	34	.900 (22.86)	1.120 (28.45)	.997 (25.32)	1.217 (30.91)

Fig.6A
Top View



Andon Part Number	Figure Number	Pin QTY.	A	B	C	D
IS230-1034-75S-R29-L14-A	6A	34	1.010 (25.65)	1.120 (28.45)	1.107 (28.12)	1.217 (30.91)
IS230-620-75S-R29-L14-A	6A	20	.600 (15.24)	.630 (16.00)	.697 (17.70)	.727 (18.47)
IS230-724-75S-R29-L14-A	6A	24	.700 (17.78)	.770 (19.56)	.797 (20.24)	.867 (22.02)
IS230-832-75S-R29-L14-A	6A	32	.800 (20.32)	1.050 (26.67)	.897 (22.78)	1.147 (29.13)

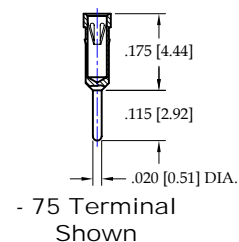
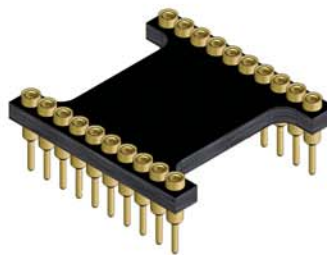
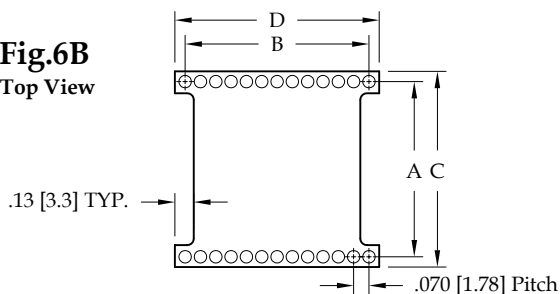
See Page 2 for Low Profile SIP Version of the above sockets.

.070 [1.78] Pitch

.070 [1.78] Pitch Image Sensor DIP Sockets

[Any Configuration or Pin Layout can be custom designed to your requirements!]

Fig.6B
Top View

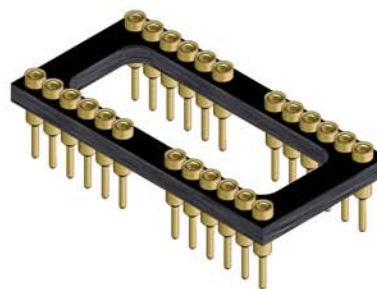
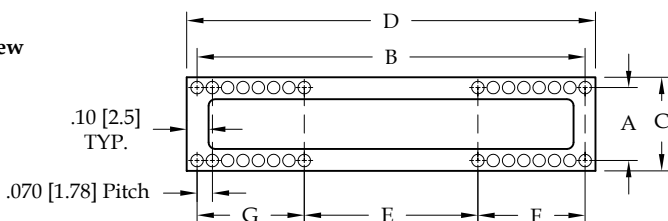


For Terminal Details or other Terminal Styles see Page 20

Andon Part Number	Figure Number	Pin QTY.	A	B	C	D
IS230-624-75S-R29-L14-B	6B	24	.600 (15.24)	.770 (19.56)	.697 (17.70)	0.867 (22.02)
IS230-832-75S-R29-L14-B	6B	32	.800 (20.32)	1.050 (26.67)	.897 (22.78)	1.147 (29.13)

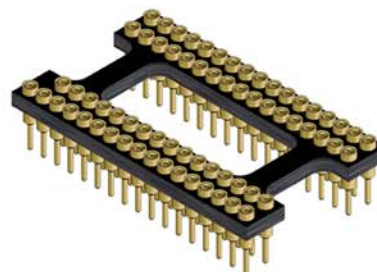
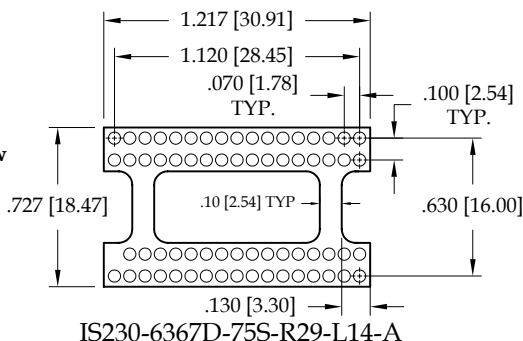
.070 [1.78] Pitch

Fig.9
Top View



Andon Part Number	Figure Number	Pin QTY.	A	B	C	D	E	F	G
IS233-4146-75S-R29-L14	9	46	.410 (10.41)	2.200 (55.88)	.507 (12.88)	2.297 (58.34)	.730 (18.54)	.770 (19.56)	.700 (17.78)
IS233-424-75S-R29-L14	9	24	.400 (10.16)	.910 (23.11)	.497 (12.62)	1.007 (25.58)	.210 (5.33)	.350 (8.89)	.350 (8.89)
IS233-532-75S-R29-L14	9	32	.500 (12.70)	2.170 (55.12)	.597 (15.16)	2.267 (57.58)	1.190 (30.23)	.490 (12.45)	.490 (12.45)

Fig.38
Top View
67 Pins

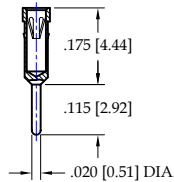
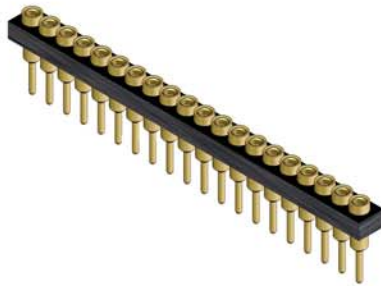
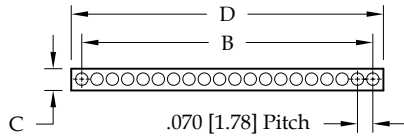


See Page 2 for Low Profile SIP Version of the above sockets.

.070 [1.78] Pitch Image Sensor SIP Sockets

[Any Configuration or Pin Layout can be custom designed to your requirements!]

Fig.12
Top View



- 75 Terminal
Shown

*For Terminal Details or other
Terminal Styles see Page 20*

Andon Part Number	Figure Number	Pin QTY.	B	C	D
416-03-75S-R29-L14	12	3	.140 (3.56)	.100 (2.54)	.237 (6.02)
416-04-75S-R29-L14	12	4	.210 (5.33)	.100 (2.54)	.307 (7.80)
416-05-75S-R29-L14	12	5	.280 (7.11)	.100 (2.54)	.377 (9.58)
416-06-75S-R29-L14	12	6	.350 (8.89)	.100 (2.54)	.447 (11.35)
416-07-75S-R29-L14	12	7	.420 (10.67)	.100 (2.54)	.517 (13.13)
416-08-75S-R29-L14	12	8	.490 (12.45)	.100 (2.54)	.587 (14.91)
416-09-75S-R29-L14	12	9	.560 (14.22)	.100 (2.54)	.657 (16.69)
416-10-75S-R29-L14	12	10	.630 (16.00)	.100 (2.54)	.727 (18.47)
416-11-75S-R29-L14	12	11	.700 (17.78)	.100 (2.54)	.797 (20.24)
416-12-75S-R29-L14	12	12	.770 (19.56)	.100 (2.54)	.867 (22.02)
416-13-75S-R29-L14	12	13	.840 (21.34)	.100 (2.54)	.937 (23.80)
416-14-75S-R29-L14	12	14	.910 (23.11)	.100 (2.54)	1.007 (25.58)
416-15-75S-R29-L14	12	15	.980 (24.89)	.100 (2.54)	1.077 (27.36)
416-16-75S-R29-L14	12	16	1.050 (26.67)	.100 (2.54)	1.147 (29.13)
416-17-75S-R29-L14	12	17	1.120 (28.45)	.100 (2.54)	1.217 (30.91)
416-18-75S-R29-L14	12	18	1.190 (30.23)	.100 (2.54)	1.287 (32.69)
416-19-75S-R29-L14	12	19	1.260 (32.00)	.100 (2.54)	1.357 (34.47)
416-20-75S-R29-L14	12	20	1.330 (33.78)	.100 (2.54)	1.427 (36.25)
416-21-75S-R29-L14	12	21	1.400 (35.56)	.100 (2.54)	1.497 (38.02)
416-22-75S-R29-L14	12	22	1.470 (37.34)	.100 (2.54)	1.567 (39.80)
416-23-75S-R29-L14	12	23	1.540 (39.12)	.100 (2.54)	1.637 (41.58)
416-24-75S-R29-L14	12	24	1.610 (40.89)	.100 (2.54)	1.707 (43.36)
416-25-75S-R29-L14	12	25	1.680 (42.67)	.100 (2.54)	1.777 (45.14)
416-26-75S-R29-L14	12	26	1.750 (44.45)	.100 (2.54)	1.847 (46.91)
416-27-75S-R29-L14	12	27	1.820 (46.23)	.100 (2.54)	1.917 (48.69)
416-28-75S-R29-L14	12	28	1.890 (48.01)	.100 (2.54)	1.987 (50.47)
416-29-75S-R29-L14	12	29	1.960 (49.78)	.100 (2.54)	2.057 (52.25)
416-30-75S-R29-L14	12	30	2.030 (51.56)	.100 (2.54)	2.127 (54.03)

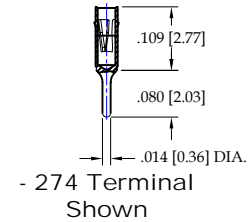
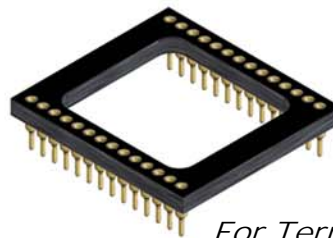
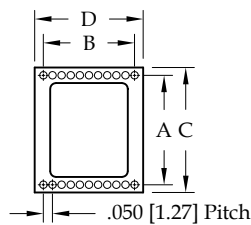
.070 [1.78] Pitch

See Page 2 for Low Profile SIP Version of the above sockets.

.050 [1.27] Pitch Image Sensor DIP Sockets

[Any Configuration or Pin Layout can be custom designed to your requirements!]

Fig.8
Top View



- 274 Terminal
Shown

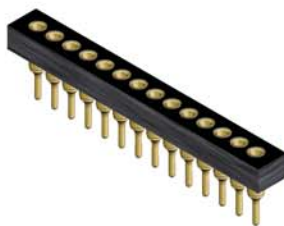
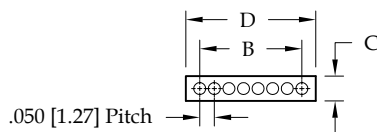
For Terminal Details or other
Terminal Styles see Page 20

Andon Part Number	Figure Number	Pin QTY.	A	B	C	D
IS232-316-274U-R27-L14	8	16	.300 (7.62)	.350 (8.89)	.385 (9.78)	.447 (11.35)
IS232-414-274U-R27-L14	8	14	.400 (10.16)	.300 (7.62)	.485 (12.32)	.397 (10.08)
IS232-416-274U-R27-L14	8	16	.400 (10.16)	.350 (8.89)	.485 (12.32)	.447 (11.35)
IS232-440-274U-R27-L14	8	40	.400 (10.16)	.950 (24.13)	.485 (12.32)	1.047 (26.59)
IS232-4516-274U-R27-L14	8	16	.450 (11.43)	.350 (8.89)	.535 (13.59)	.447 (11.35)
IS232-4820-274U-R27-L14	8	20	.480 (12.19)	.450 (11.43)	.565 (14.35)	.547 (13.89)
IS232-520-274U-R27-L14	8	20	.500 (12.70)	.450 (11.43)	.585 (14.86)	.547 (13.89)
IS232-522-274U-R27-L14	8	22	.500 (12.70)	.500 (12.70)	.585 (14.86)	.597 (15.16)
IS232-5724-274U-R27-L14	8	24	.570 (14.48)	.550 (13.97)	.655 (16.64)	.647 (16.43)
IS232-622-274U-R27-L14	8	22	.600 (15.24)	.500 (12.70)	.685 (17.40)	.597 (15.16)
IS232-628-274U-R27-L14	8	28	.600 (15.24)	.650 (16.51)	.685 (17.40)	.747 (18.97)

.050 [1.27] Pitch

.050 [1.27] Pitch Image Sensor SIP Sockets

Fig.13
Top View



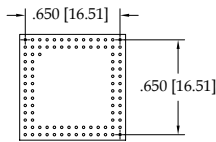
Andon Part Number	Figure Number	Pin QTY.	B	C	D
417-05-274U-R27-L14	13	5	.200 (5.08)	.085 (4.80)	.297 (7.54)
417-06-274U-R27-L14	13	6	.250 (6.35)	.085 (4.80)	.347 (8.81)
417-07-274U-R27-L14	13	7	.300 (7.62)	.085 (4.80)	.397 (10.08)
417-08-274U-R27-L14	13	8	.350 (8.89)	.085 (4.80)	.447 (11.35)
417-09-274U-R27-L14	13	9	.400 (10.16)	.085 (4.80)	.497 (12.62)
417-10-274U-R27-L14	13	10	.450 (11.43)	.085 (4.80)	.547 (13.89)
417-11-274U-R27-L14	13	11	.500 (12.70)	.085 (4.80)	.597 (15.16)
417-12-274U-R27-L14	13	12	.550 (13.97)	.085 (4.80)	.647 (16.43)
417-13-274U-R27-L14	13	13	.600 (15.24)	.085 (4.80)	.697 (17.70)
417-14-274U-R27-L14	13	14	.650 (16.51)	.085 (4.80)	.747 (18.97)
417-15-274U-R27-L14	13	15	.700 (17.78)	.085 (4.80)	.797 (20.24)
417-16-274U-R27-L14	13	16	.750 (19.05)	.085 (4.80)	.847 (21.51)
417-17-274U-R27-L14	13	17	.800 (20.32)	.085 (4.80)	.897 (22.78)
417-18-274U-R27-L14	13	18	.850 (21.59)	.085 (4.80)	.947 (24.05)
417-19-274U-R27-L14	13	19	.900 (22.86)	.085 (4.80)	.997 (25.32)
417-20-274U-R27-L14	13	20	.950 (24.13)	.085 (4.80)	1.047 (26.59)
417-21-274U-R27-L14	13	21	1.000 (25.40)	.085 (4.80)	1.097 (27.86)
417-22-274U-R27-L14	13	22	1.050 (26.67)	.085 (4.80)	1.147 (29.13)
417-23-274U-R27-L14	13	23	1.100 (27.94)	.085 (4.80)	1.197 (30.40)
417-24-274U-R27-L14	13	24	1.150 (29.21)	.085 (4.80)	1.247 (31.67)
417-25-274U-R27-L14	13	25	1.200 (30.48)	.085 (4.80)	1.297 (32.94)
417-26-274U-R27-L14	13	26	1.250 (31.75)	.085 (4.80)	1.347 (34.21)
417-27-274U-R27-L14	13	27	1.300 (33.02)	.085 (4.80)	1.397 (35.48)
417-28-274U-R27-L14	13	28	1.350 (34.29)	.085 (4.80)	1.447 (36.75)
417-29-274U-R27-L14	13	29	1.400 (35.56)	.085 (4.80)	1.497 (38.02)
417-30-274U-R27-L14	13	30	1.450 (36.83)	.085 (4.80)	1.547 (39.29)

See Page 2 for Low Profile SIP Version of the above sockets.

.050 [1.27] Pitch Image Sensor BGA Sockets

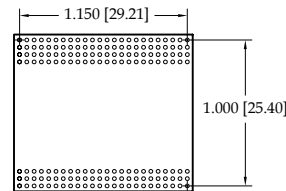
[Any Configuration or Pin Layout can be custom designed to your requirements!]

Fig.4
Top View
97 Pins



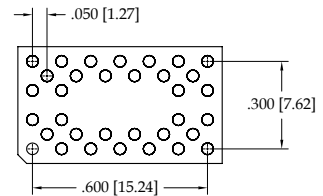
10-14-11-097-400T4-R29-L14

Fig.5
Top View
168 Pins



10-24-05-168-347T-R29-L14

Fig.31
Top View
34 Pins

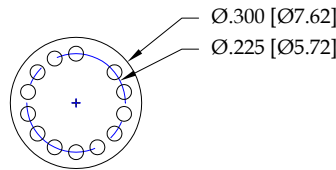


585-07-02-034-211M-R29-L14

Round Image Sensor Sockets

[Other Figures available, see our "Optoelectronic Catalog" at www.andonelect.com]

Fig.34
Top View

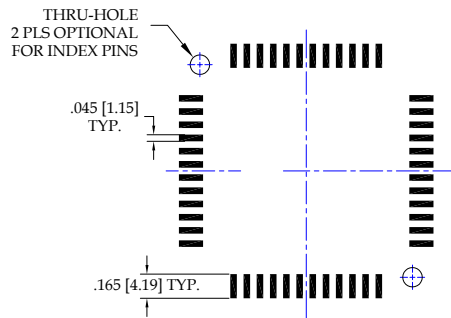
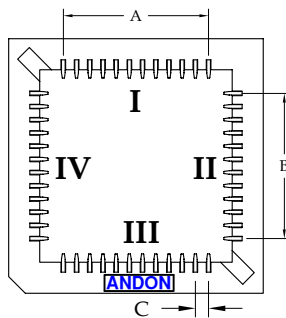


R225-1413-01-400T4-R27-L14

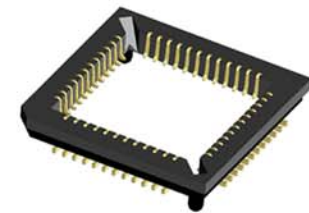
Image Sensor LCC Sockets

[Contact us for a full product data sheet!]

Fig.23
Top View



Typical PCB Pad layout



U.S. Patent# 5,588,847

Andon Part Number	Figure Number	Pin QTY.	A	B	C	Number of Pins (per side)			
						I	II	III	IV
620-28-SM-G10-L14-X	23	28	.300 (7.62)	.300 (7.62)	.050 (1.27)	7	7	7	7
620-40A-SM-G10-L14-X	23	40	.950 (24.13)	None	.050 (1.27)	20	0	20	0
620-68-SM-G10-L14-X	23	68	.800 (20.32)	.800 (20.32)	.050 (1.27)	17	17	17	17
620-84-SM-G10-L14-X	23	84	1.000 (25.40)	1.000 (25.40)	.050 (1.27)	21	21	21	21
620-100-SM-G10-L14-X	23	100	1.200 (30.48)	1.200 (30.48)	.050 (1.27)	25	25	25	25
680-32-SM-G10-L14-X	23	32	.280 (7.11)	.280 (7.11)	.040 (1.01)	8	8	8	8
680-48-SM-G10-R14-X	23	48	.440 (11.18)	.440 (11.18)	.040 (1.01)	12	12	12	12
680-64-SM-G10-R14-X	23	64	.600 (15.24)	.600 (15.24)	.040 (1.01)	16	16	16	16

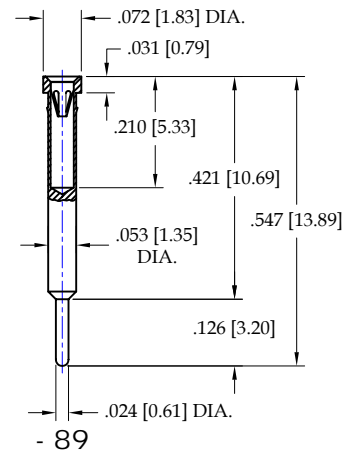
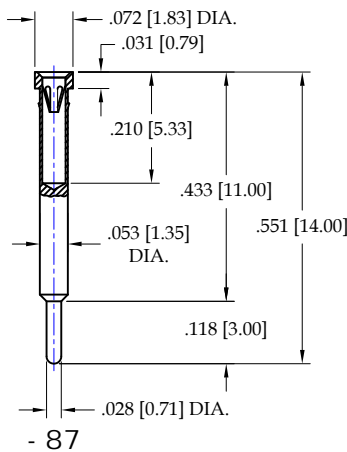
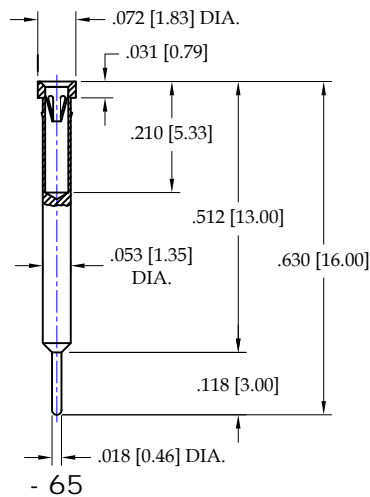
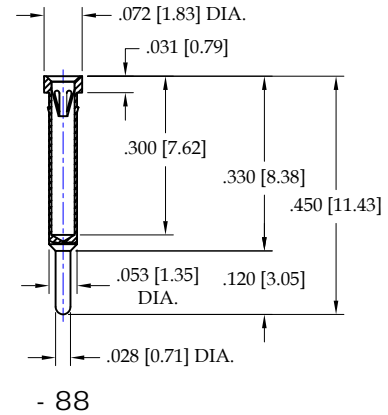
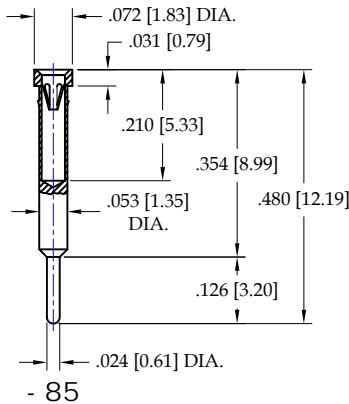
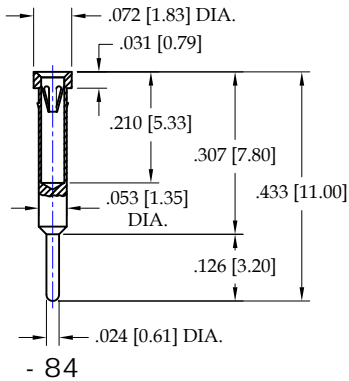
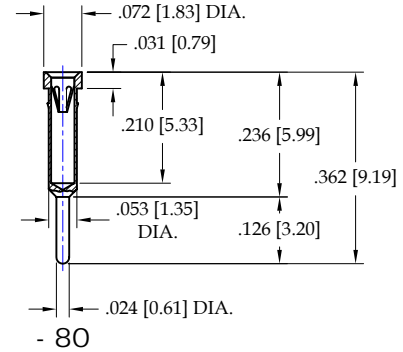
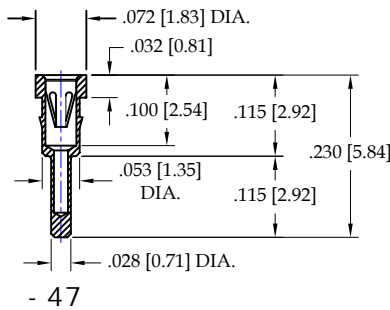
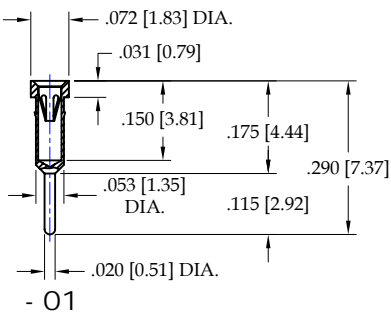
See Page 2 for Low Profile SIP Version of the above sockets.

Appendix A: Terminal Details

[All terminals shown are standard, contact us for other offerings!]

Terminals

.100 [2.54] PITCH TERMINAL STYLES

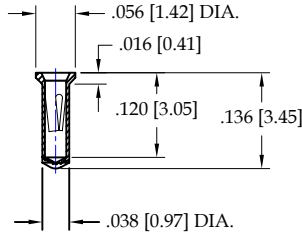


See Page 2 for Image Sensor Socket Applications.

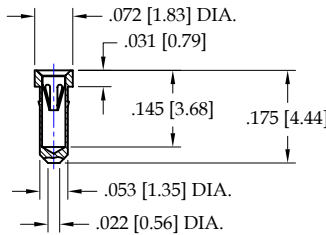
Appendix A: Terminal Details

[All terminals shown are standard, contact us for other offerings!]

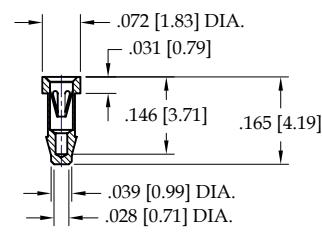
.100 [2.54] PITCH TERMINAL STYLES



- 52U

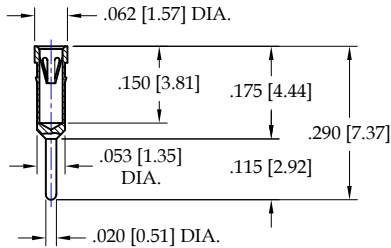


- 93

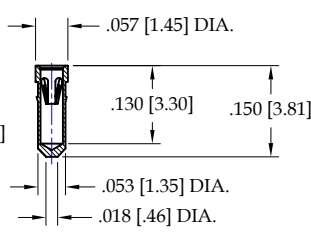


- 221

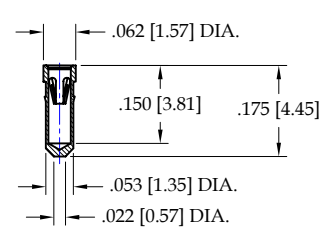
.070 [1.78] PITCH TERMINAL STYLES



- 75

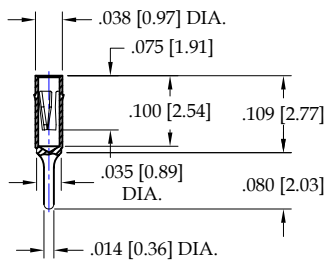


- 265

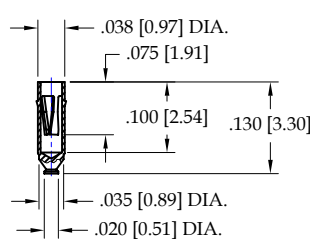


- 384

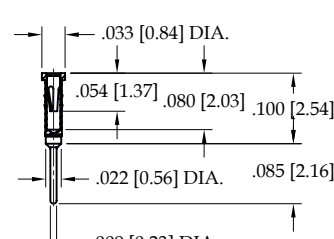
.050 [1.27] PITCH TERMINAL STYLES



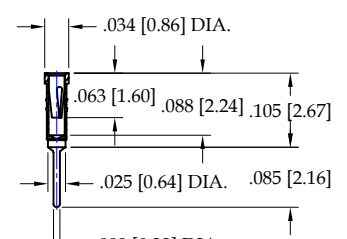
- 274U



- 281U



- 347T



- 400T4

CONTACT TYPE

U: STANDARD .050 PITCH DIP / SIP
INSERTION FORCE 2.8 OZ AVG
WITHDRAWAL FORCE 0.5 OZ MIN

K: STANDARD .050 PITCH DIP / SIP
INSERTION FORCE 1.2 OZ MAX
WITHDRAWAL FORCE 0.4 OZ MIN

S: STANDARD .070 & .100 PITCH DIP / SIP
INSERTION FORCE 9.0 OZ AVG
WITHDRAWAL FORCE 2.0 OZ MIN

M: STANDARD .070 & .100 PITCH PGA
INSERTION FORCE 1.6 OZ MAX
WITHDRAWAL FORCE 0.5 OZ MIN

H: HIGH FORCE .070 & .100 PITCH DIP / SIP
INSERTION FORCE 18.3 OZ AVG
WITHDRAWAL FORCE 4.2 OZ MIN

See Page 2 for Image Sensor Socket Applications.

Appendix B: Alphanuemic Part Number Index

Index

Andon Part Number	Figure Number	Pin QTY.	Page No.
10-14-11-097-400T4-R29-L14	4	97	19
10-24-05-168-347T-R29-L14	5	168	19
405-03-01S-R29-L14	10	3	12
405-03-80S-R29-L14	10	3	12
405-04-01S-R29-L14	10	4	12
405-04-80S-R29-L14	10	4	12
405-05-01S-R29-L14	10	5	12
405-05-80S-R29-L14	10	5	12
405-06-01S-R29-L14	10	6	12
405-06-80S-R29-L14	10	6	12
405-07-01S-R29-L14	10	7	12
405-07-80S-R29-L14	10	7	12
405-08-01S-R29-L14	10	8	12
405-08-80S-R29-L14	10	8	12
405-09-01S-R29-L14	10	9	12
405-09-80S-R29-L14	10	9	12
405-10-01S-R29-L14	10	10	12
405-10-80S-R29-L14	10	10	12
405-11-01S-R29-L14	10	11	12
405-11-80S-R29-L14	10	11	12
405-11-88S-R29-L14	10	11	12
405-12-01S-R29-L14	10	12	12
405-12-80S-R29-L14	10	12	12
405-13-01S-R29-L14	10	13	12
405-13-80S-R29-L14	10	13	12
405-14-01S-R29-L14	10	14	12
405-14-80S-R29-L14	10	14	12
405-14-88S-R29-L14	10	14	12
405-15-01S-R29-L14	10	15	12
405-15-80S-R29-L14	10	15	12
405-16-01S-R29-L14	10	16	12
405-16-80S-R29-L14	10	16	12
405-17-01S-R29-L14	10	17	12
405-17-80S-R29-L14	10	17	12
405-18-01S-R29-L14	10	18	12
405-18-80S-R29-L14	10	18	12
405-19-01S-R29-L14	10	19	12
405-19-80S-R29-L14	10	19	12
405-20-01S-R29-L14	10	20	12
405-20-80S-R29-L14	10	20	12
405-21-01S-R29-L14	10	21	12
405-21-80S-R29-L14	10	21	12
405-22-01S-R29-L14	10	22	12
405-22-80S-R29-L14	10	22	12
405-23-01S-R29-L14	10	23	12
405-23-80S-R29-L14	10	23	12
405-24-01S-R29-L14	10	24	12
405-24-80S-R29-L14	10	24	12
405-25-01S-R29-L14	10	25	12
405-25-80S-R29-L14	10	25	12
405-26-01S-R29-L14	10	26	12
405-26-80S-R29-L14	10	26	12
405-27-01S-R29-L14	10	27	12
405-27-80S-R29-L14	10	27	12
405-28-01S-R29-L14	10	28	12
405-28-80S-R29-L14	10	28	12
405-29-01S-R29-L14	10	29	12
405-29-80S-R29-L14	10	29	12
405-30-01S-R29-L14	10	30	12
405-30-80S-R29-L14	10	30	10
409-209-01S-R29-L14	11	18	11
409-210-80S-R29-L14	11	20	11
409-211-01S-R29-L14	11	22	11

Andon Part Number	Figure Number	Pin QTY.	Page No.
409-213-80S-R29-L14	11	26	11
417-05-274U-R29-L14	12	5	18
417-05-274U-R29-L14	13	5	18
417-06-274U-R29-L14	12	6	18
417-06-274U-R29-L14	13	6	18
417-07-274U-R29-L14	12	7	18
417-07-274U-R29-L14	13	7	18
417-08-274U-R29-L14	12	8	18
417-08-274U-R29-L14	13	8	18
417-09-274U-R29-L14	12	9	18
417-09-274U-R29-L14	13	9	18
417-10-274U-R29-L14	12	10	18
417-10-274U-R29-L14	13	10	18
417-11-274U-R29-L14	12	11	18
417-11-274U-R29-L14	13	11	18
417-12-274U-R29-L14	12	12	18
417-12-274U-R29-L14	13	12	18
417-13-274U-R29-L14	12	13	18
417-13-274U-R29-L14	13	13	18
417-14-274U-R29-L14	12	14	18
417-14-274U-R29-L14	13	14	18
417-15-274U-R29-L14	12	15	18
417-15-274U-R29-L14	13	15	18
417-16-274U-R29-L14	12	16	18
417-16-274U-R29-L14	13	16	18
417-17-274U-R29-L14	12	17	18
417-17-274U-R29-L14	13	17	18
417-18-274U-R29-L14	12	18	18
417-18-274U-R29-L14	13	18	18
417-19-274U-R29-L14	12	19	18
417-19-274U-R29-L14	13	19	18
417-20-274U-R29-L14	12	20	18
417-20-274U-R29-L14	13	20	18
417-21-274U-R29-L14	12	21	18
417-21-274U-R29-L14	13	21	18
417-22-274U-R29-L14	12	22	18
417-22-274U-R29-L14	13	22	18
417-23-274U-R29-L14	12	23	18
417-23-274U-R29-L14	13	23	18
417-24-274U-R29-L14	12	24	18
417-24-274U-R29-L14	13	24	18
417-25-274U-R29-L14	12	25	18
417-25-274U-R29-L14	13	25	18
417-26-274U-R29-L14	12	26	18
417-26-274U-R29-L14	13	26	18
417-27-274U-R29-L14	12	27	18
417-27-274U-R29-L14	13	27	18
417-28-274U-R29-L14	12	28	18
417-28-274U-R29-L14	13	28	18
417-29-274U-R29-L14	12	29	18
417-29-274U-R29-L14	13	29	18
417-30-274U-R29-L14	12	30	18
417-30-274U-R29-L14	13	30	18
575-08-04-040-80S-R29-L14	14	40	13
575-10-19-037-01S-R29-L14	30	37	14
575-11-42-068-01S-R29-L14	15	68	13
575-11-57-073-01S-R29-L14	16	73	13
575-12-22-044-88S-R29-L14	17	44	13
575-13-83-048-80S-R29-L14	18	48	13
575-14-39-036-01S-R29-L14	29	36	14
575-15-28-145-01S-R29-L14	36	145	14
575-15-62-082-80S-R29-L14	19	82	13
575-15-63-080-01S-R29-L14	20	80	13

*Additional Sockets Available for most Image Sensor Devices
For Terminal Details see page 20*

Appendix B: Alphanuemic Part Number Index

Andon Part Number	Figure Number	Pin QTY.	Page No.	Andon Part Number	Figure Number	Pin QTY.	Page No.
575-15-64-056-88S-R29-L14	21	56	13	IS229-828-88S-R29-L14	1	28	9
575-15-65-084-01S-R29-L14	24	84	13	IS229-8826-01S-R29-L14	1	26	9
575-16-24-127-01S-R29-L14	35	127	14	IS229-8826-80S-R29-L14	1	26	9
575-16-25-060-88S-R29-L14	32	60	14	IS229-9124-80S-R29-L14	1	24	9
575-19-25-281-01M-R29-L14	33	281	14	IS229-924-01S-R29-L14	1	24	9
575-19-27-088-01S-R29-L14	27	88	14	IS229-932-01S-R29-L14	1	32	9
575-20-16-096-01S-R29-L14	22	96	13	IS229-940-01S-R29-L14	1	40	9
575-23-02-104-01S-R29-L14	28	104	14	IS230-1034-75S-R29-L14-A	6A	34	15
575-25-04-080-01S-R29-L14	25	80	13	IS230-1232-400T4-R29-L14	6	32	15
575-40-02-104-01S-R29-L14	26	104	14	IS230-1232-75S-R29-L14	6	32	15
585-07-02-034-211M-R29-L14	31	34	19	IS230-1340-75S-R29-L14	6	40	15
620-100-SM-G10-L14-X	23	100	19	IS230-18860-75S-R29-L14	6	60	15
620-28-SM-G10-L14-X	23	28	19	IS230-2064-75S-R29-L14	6	64	15
620-40A-SM-G10-L14-X	23	40	19	IS230-416-75S-R29-L14	6	16	15
620-68-SM-G10-L14-X	23	68	19	IS230-420-75S-R29-L14	6	20	15
620-84-SM-G10-L14-X	23	84	19	IS230-4512-75S-R29-L14	6	12	15
680-32-SM-G10-L14-X	23	32	19	IS230-532-75S-R29-L14	6	32	15
680-48-SM-G10-R14-X	23	48	19	IS230-620-75S-R29-L14	6	20	15
680-64-SM-G10-R14-X	23	64	19	IS230-620-75S-R29-L14-A	6A	20	15
IS229-1028-01S-R29-L14-A	1A	28	10	IS230-624-75S-R29-L14-B	6B	24	16
IS229-1226-80S-R29-L14	1	26	9	IS230-632-75S-R29-L14	6	32	15
IS229-1330-01M-R29-L14	1	30	9	IS230-6367D-75S-R29-L14-A	38	67	16
IS229-1426-01S-R29-L14	1	26	9	IS230-724-75S-R29-L14-A	6A	24	15
IS229-1451D-80S-R29-L14-A	2	51	11	IS230-828-75S-R29-L14	6	28	15
IS229-1536D-01S-R29-L14	3	36	11	IS230-832-75S-R29-L14	6	32	15
IS229-1644D-01S-R29-L14	3	44	11	IS230-832-75S-R29-L14-A	6A	32	15
IS229-1824-80S-R29-L14	1	24	9	IS230-832-75S-R29-L14-B	6B	32	16
IS229-1944D-01S-R29-L14	3	44	11	IS230-930-75S-R29-L14	6	30	15
IS229-2024-80S-R29-L14	1	24	9	IS230-934-75S-R29-L14	6	34	15
IS229-2034-80S-R29-L14	1	34	9	IS231-428-01S-R29-L14	7	28	10
IS229-2044-80S-R29-L14	1	44	9	IS231-6140-01S-R29-L14	7	40	10
IS229-2239-01S-R29-L14	1	39	9	IS231-622-01S-R29-L14	7	22	10
IS229-2488D-01S-R29-L14	3	88	11	IS231-636-01S-R29-L14	7	36	10
IS229-2640-01S-R29-L14	1	40	9	IS231-644-80M-R29-L14	7	44	10
IS229-306-01S-R29-L14	1	6	9	IS231-949D-01S-R29-L14	37	49	11
IS229-308-01S-R29-L14	1	8	9	IS232-316-274U-P27-L14	8	16	18
IS229-3080D-01S-R29-L14	3	80	11	IS232-414-274U-P27-L14	8	14	18
IS229-318-01S-R29-L14	1	18	9	IS232-416-274U-P27-L14	8	16	18
IS229-324-01S-R29-L14	1	24	9	IS232-440-274U-R27-L14	8	40	18
IS229-408-01S-R29-L14	1	8	9	IS232-4516-274U-P27-L14	8	16	18
IS229-420-01S-R29-L14	1	20	9	IS232-4820-274U-P27-L14	8	20	18
IS229-422-01S-R29-L14	1	22	9	IS232-520-274U-P27-L14	8	20	18
IS229-422-80S-R29-L14	1	22	9	IS232-522-274U-P27-L14	8	22	18
IS229-422-88S-R29-L14-A	1A	22	10	IS232-5724-274U-P27-L14	8	24	18
IS229-424-80S-R29-L14	1	24	9	IS232-622-274U-P27-L14	8	22	18
IS229-432-80S-R29-L14	1	32	9	IS232-628-274U-P27-L14	8	28	18
IS229-6120-80S-R29-L14	1	20	9	IS233-4146-75S-R29-L14	9	46	16
IS229-6124-01S-R29-L14	1	24	9	IS233-424-75S-R29-L14	9	24	16
IS229-6128-01S-R29-L14	1	28	9	IS233-532-75S-R29-L14	9	32	16
IS229-6140-01S-R29-L14	1	40	9	R225-1413-01-400T4-R29-L14	34	13	9
IS229-620-01S-R29-L14	1	20	9				
IS229-622-01S-R29-L14	1	22	9				
IS229-624-01S-R29-L14	1	24	9				
IS229-624-80S-R29-L14	1	24	9				
IS229-628-80S-R29-L14	1	28	9				
IS229-650-01S-R29-L14	1	50	9				
IS229-656-01S-R29-L14	1	56	9				
IS229-722-80S-R29-L14-A	1A	22	10				
IS229-820-80S-R29-L14	1	20	9				
IS229-820-80S-R29-L14-A	1A	20	10				
IS229-824-01S-R29-L14	1	24	9				
IS229-824-01S-R29-L14-A	1A	24	10				
IS229-826-01S-R29-L14	1	26	9				

Index

*Additional Sockets Available for most Image Sensor Devices
For Terminal Details see page 20*

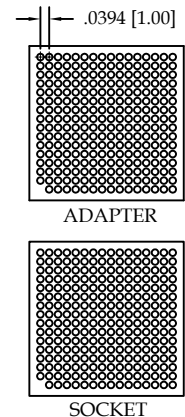
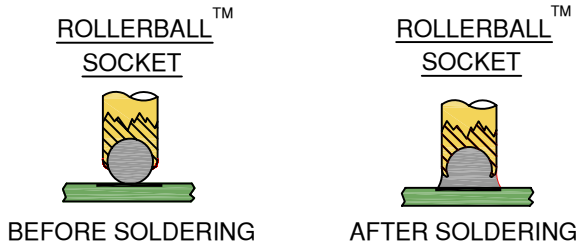
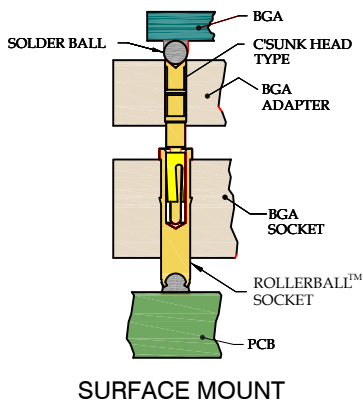
©Copyright 2008 Andon Electronics Corporation. All Rights Reserved. This material is protected under US and other copyrights and may not be copied, sold, or redistributed in any form without written permission of Andon Electronics Corporation. Copyrights and trademarks are property of their respective companies.

IS-08A *Sockets are not drawn to scale 10/08

1 mm (.0394 inch) Pitch BGA Sockets / Adapters Rollerball™ Grid Array Socketing System

THE IDEAL SOLUTION TO FIX BGA ASSEMBLY PROBLEMS ON LARGE PCB'S

- ADAPTER WITH TERMINAL PINS FOR PLUGGING INTO ROLLERBALL™ SOCKET. BGA SOLDERED DIRECTLY ONTO ADAPTER.
- SOCKET WITH ROLLERBALL™ TERMINALS FOR SOLDERING DIRECTLY ONTO PCB.
- REWORK COST AND RISK OF DAMAGE REDUCED TO EXPENSIVE BGA AND MULTI LAYER PCB'S.



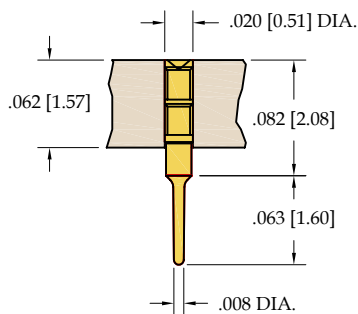
.0394 [1.00] X .0394 [1.00] PITCH
MANY FOOTPRINTS AVAILABLE

ROLLERBALL™ GRID ARRAY
SOCKETING ASSEMBLY
U.S. Patent # 6,352,437
Canadian Patent # 2,388,520

TERMINAL STYLES

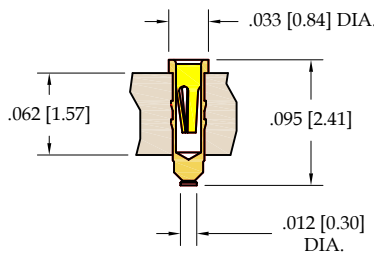
OTHER TERMINAL STYLES AVAILABLE (CONSULT FACTORY)

ADAPTER TERMINAL



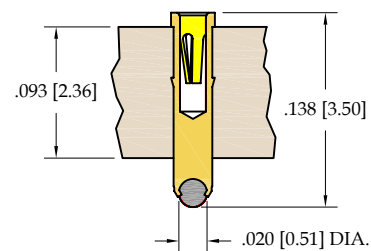
-320 C'SUNK HEAD
-321 FLATHEAD

SOCKET TERMINAL



-319T SURFACE MOUNT

SOCKET TERMINAL

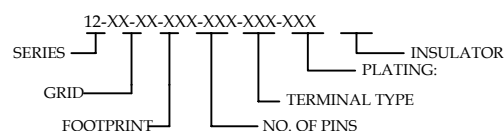


-RB339T SURFACE MOUNT ROLLERBALL™

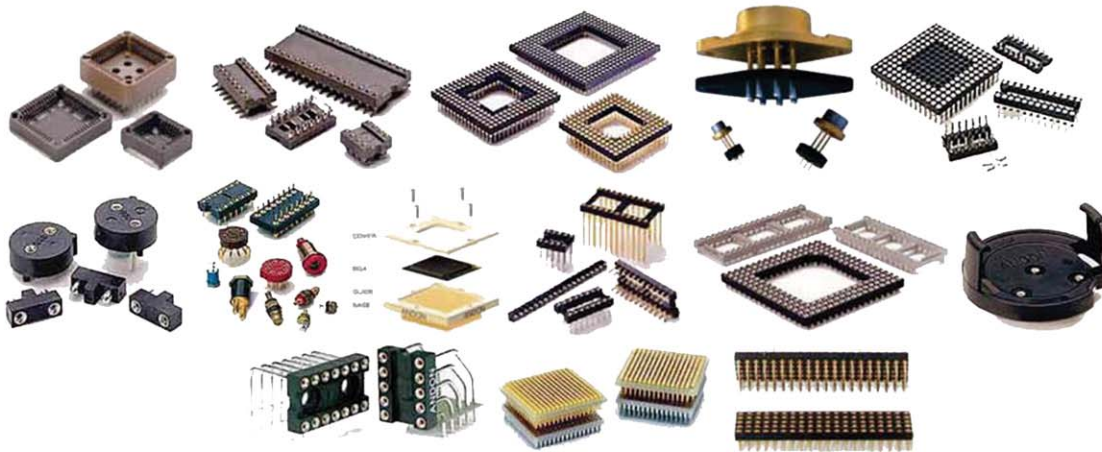
TECHNICAL SPECIFICATIONS

MATERIAL:
INSULATOR: FR-4 LAMINATE U.L. RATED 94V-0
TERMINAL: BRASS PLATED GOLD
CONTACT: BeCu PLATED GOLD
SOLDERBALL: 96.5% TIN, 3.0% SILVER, 0.5% COPPER
ADAPTER: COPPER ALLOY PLATED GOLD

ORDERING INFORMATION



At Andon Electronics we provide interconnection components that help companies to cost effectively protect, assemble, test and replace their semiconductor devices.



- PGA SOCKETS & ADAPTERS
- BGA SOCKETS & ADAPTERS
- SMD SOCKETS & ADAPTERS
- DIP SOCKETS & ADAPTERS
- SIP SOCKETS & ADAPTERS
- FUSE SOCKETS
- TERMINALS AND TEST JACKS
- LCC SOCKETS
- PLCC SOCKETS
- IMAGE SENSOR SOCKETS
- GAS SENSOR SOCKETS
- OPTOELECTRONIC SOCKETS
- CARRIER SOCKETS
- BATTERY SOCKETS
- TEST SOCKETS

We offer custom as well as our standard catalog items.

Our intention is to be your one stop for all of your interconnection requirements

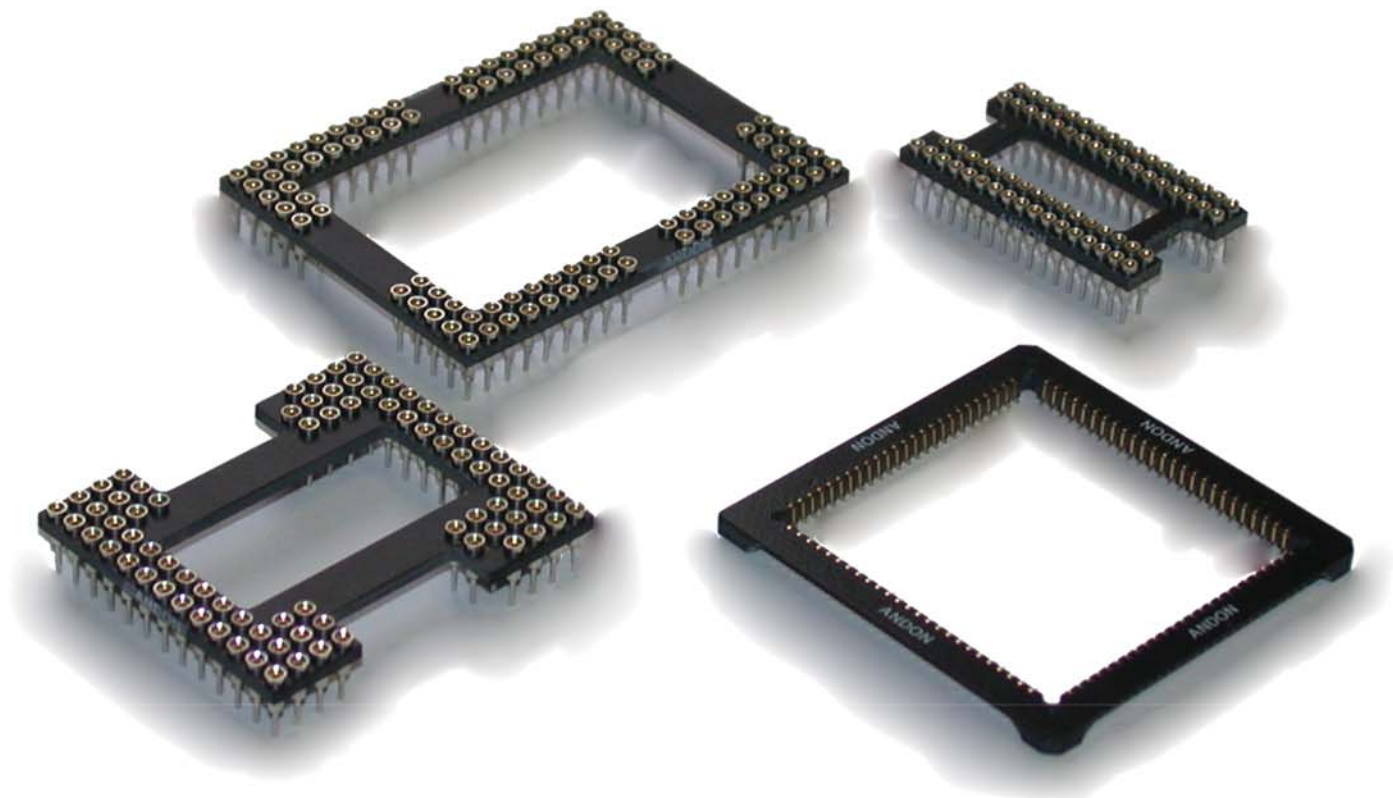
Please visit our website at www.andonelect.com. If you have any questions please do not hesitate to contact us.

Contact: Customer Service

Phone: (401) 333-0388
Fax (401) 333-0287
e-mail: info@andonelect.com



*When it comes to Image Sensor Sockets,
only the best contact will do....*



Introducing Andon's Senstac™ Contact
Maximum Protection and Reliability at Lowest Cost.

Reduce handling and ESD

Eliminate soldering temperature which may affect color array

Eliminate the need to de-solder

Eliminate cleaning solution and scratches to the sensor's glass plate

Eliminate assembly line temperatures, humidity and shock

Available in Thru-hole and Surface Mount

Sockets Readily Available for all Image Sensors



Telephone: (401) 333-0388

Fax: (401) 333-0287

Visit us on the web at www.andonelect.com