HIGH RELIABILITY
IMAGE SENSOR SOCKETS
FOR
CANON

Featuring Andon's Unique Senstac™ Contact

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## Sockets

### Thru-Hole Surface Mount Rollerball®

<table>
<thead>
<tr>
<th>CANON Model Number</th>
<th>Andon Part Number</th>
<th>Terminal Type</th>
<th>Pin Ø [in]</th>
<th>Figure Number</th>
<th>Page Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>3U5MGXS</td>
<td>698-180-XXX-R27-L14</td>
<td>TH-491</td>
<td>SM-500, SM-RB593</td>
<td>-</td>
<td>3</td>
</tr>
<tr>
<td>35MMFHDXSCA</td>
<td>IS236D-00672-180-XXX-R27-L14</td>
<td>75M</td>
<td>384M</td>
<td>RB338K</td>
<td>.018</td>
</tr>
<tr>
<td>120MXS</td>
<td>24-00661-188-XXX-R27-L14</td>
<td>284K</td>
<td>281K</td>
<td>RB338K</td>
<td>.018</td>
</tr>
</tbody>
</table>

See last page for other mounting types including low profile options. Heat sink socket available to reduce heat and noise. Contact Andon for details.

### Patented Heat Sink Sockets (socket with heat sink feature)

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<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>35MMFHDXS</td>
<td>IS236D-00672-180-75M-R27-L14-HS1</td>
<td>75M</td>
<td>-</td>
<td>-</td>
<td>.018</td>
</tr>
<tr>
<td>120MXS</td>
<td>24-00661-188-XXX-R27-L14-HS1</td>
<td>284K</td>
<td>-</td>
<td>-</td>
<td>.018</td>
</tr>
</tbody>
</table>

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**Fig. 1**

Thru-Hole: IS236D-00672-180-75M-R27-L14-1  
Surface Mount: IS236D-00672-180-384M-R27-L14-1  
Rollerball®: IS236D-00672-180-RB338K-R27-L14-1
**Sockets**

**CANON USA Continued**

Image Sensor Socket Footprints

*Units: in [mm]*

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**Fig. 2**

**Thru-Hole:** 24-00661-188-284K-R27-L14  
**Surface Mount:** 24-00661-188-281K-R27-L14  
**Rollerball**: 24-00661-188-RB338K-R27-L14

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**Fig. 3**

**Thru-Hole:** 698-180-TH-491-R27-L14-1  
**Surface Mount:** 698-180-SM-500-R27-L14-1  
**Rollerball**: 698-180-SM-RB593-R27-L14-1

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RoHS Compliant  
Andon Proprietary Information

*Sockets are not drawn to scale*  
CANON 08/14/2019

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CANON USA  Continued
Image Sensor Terminal Options
Units: in [mm]

THRU HOLE OPTION

-284K

SURFACE MOUNT OPTION

-281K

-384M

-RB338K

-RB593

Technical Information
Material:
Insulator: Hi-Temp UL 94V-O
Terminal: Brass, per ASTM-B16
Contact: BeCu, Per ASTM-B194

Terminal Acceptance and Forces

<table>
<thead>
<tr>
<th>Thru Hole Terminals</th>
<th>Surface Mount Terminals</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accepts Pin Diameter</td>
<td>Accepts Pin Diameter</td>
</tr>
<tr>
<td>Insertion Force</td>
<td>Insertion Force</td>
</tr>
<tr>
<td>Withdrawal Force</td>
<td>Withdrawal Force</td>
</tr>
</tbody>
</table>

-284K
-491
-75M

-281K
-500
-384M
-RB338K
-RB593

Plating: RoHS COMPLIANT
R27 TERMINAL: GOLD / CONTACT: GOLD
R29 TERMINAL: MATTE TIN / CONTACT: GOLD
R32 TERMINAL: MATTE TIN / CONTACT: TIN

OTHER PLATINGS AVAILABLE

RoHS Compliant
Andon Proprietary information

*Sockets are not drawn to scale  CANON  08/14/2013

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Mounting Options

A
THRU-HOLE

B
SURFACE MOUNT
FLAT FOOT

C
SURFACE MOUNT
ROLLERBALL®

D
CARRIER
ASSEMBLY
WITH OR WITHOUT
SOLDER WASHER

E
INDIVIDUAL TERMINAL
WITH OR WITHOUT
SOLDER WASHER

ROLLERBALL®

SOCKET

BEFORE SOLDERING

ROLLEEBALL®

SOCKET

AFTER SOLDERING

ULTRA LOW PROFILE SIP/DIP/PGA CARRIER ASSEMBLY

Before Soldering

SIP Carrier

Socket Insulator

Ultra Low Profile Terminals

PCB

Available with or without solder washer

During Soldering

SIP Carrier removed

after soldering

After Soldering

Ultra Low Profile Terminals

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4 Court Drive, Lincoln RI 02865, United States of America

RoHS Compliant

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