ANDON
INTERCONNECTION SPECIALISTS

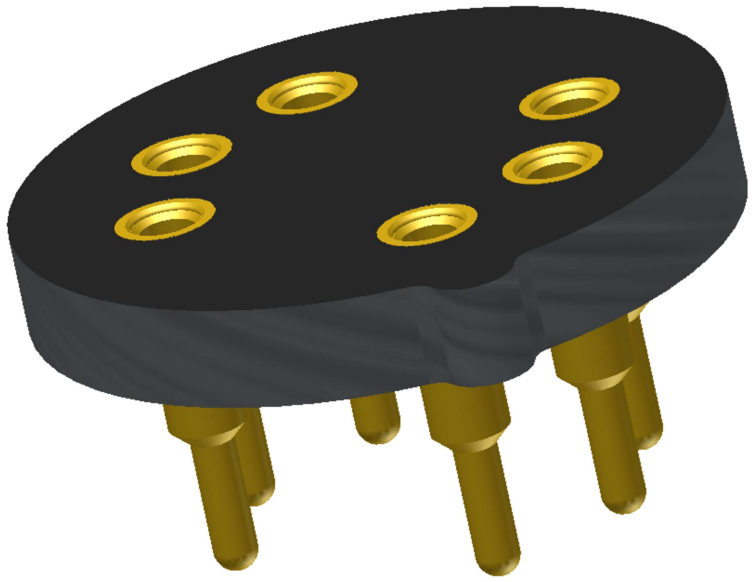
ALIA THE LASER INSTITUTE

CERTIFIED ISO 9001 COMPANY

LEAD FREE RoHS COMPLIANT

HIGH RELIABILITY OPTOELECTRONIC SOCKETS FOR MICRO SENSOR CO., LTD

MICRO SENSOR CO.,LTD.



Featuring Andon's Unique Senstac™ Contact

MICRO SENSOR CO., LTD.

MICRO SENSOR CO., LTD.					
MICRO SENSOR CO., LTD. Model Number	Andon Part Number Replace "XXX" with Terminal Type	Terminal Type Thru-Hole	Terminal Type Surface Mount	Pin Ø [in]	Figure Number
EC4-ClO_2-5-01	R530-0403-02N-XXX-R27-L14	436P55	440P55	.060	1
EC4-F_2-5-01	R530-0403-02N-XXX-R27-L14	436P55	440P55	.060	1
MPM280	R307-1006-01N-XXX-R27-L14	01S	93S	.020	2
MPM280Au	R307-1006-01N-XXX-R27-L14	01S	93S	.020	2
MPM281	R307-1006-01N-XXX-R27-L14	01S	93S	.020	2
MPM283	R268-1006-01N-XXX-R27-L14	01S	93S	.020	3
MPM285	R268-1006-01N-XXX-R27-L14	01S	93S	.020	3

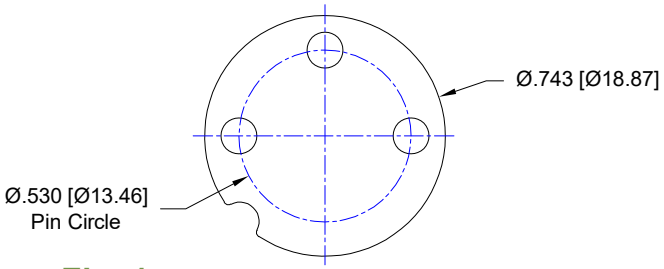


Fig. 1

Thru-Hole: R530-0403-02N-436P55-R27-L14
Surface Mount: R530-0403-02N-440P55-R27-L14

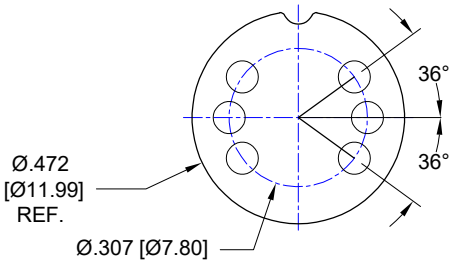


Fig. 2

Thru-Hole: R307-1006-01N-01S-R27-L14
Surface Mount: R307-1006-01N-93S-R27-L14

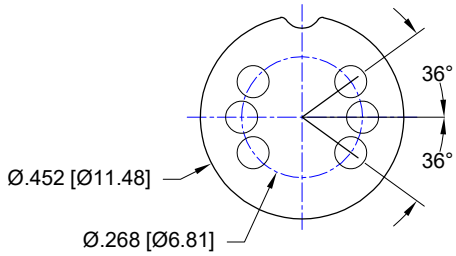


Fig. 3

Thru-Hole: R268-1006-01N-01S-R27-L14
Surface Mount: R268-1006-01N-93S-R27-L14

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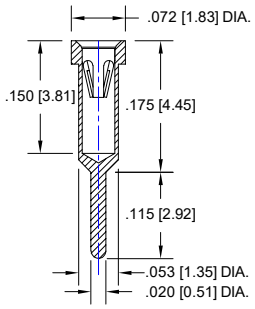
MICRO SENSOR CO., LTD. *Continued*

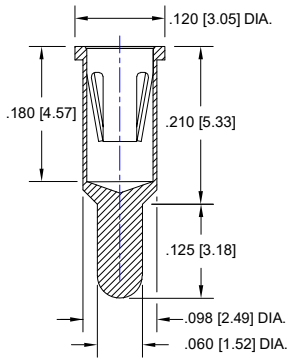
Units: in [mm]

THRU HOLE OPTION

-01S

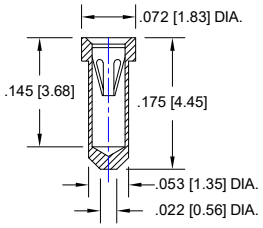


-436P55

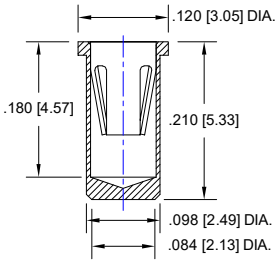


SURFACE MOUNT OPTION

-93S



-440P55



Technical Information

Material:

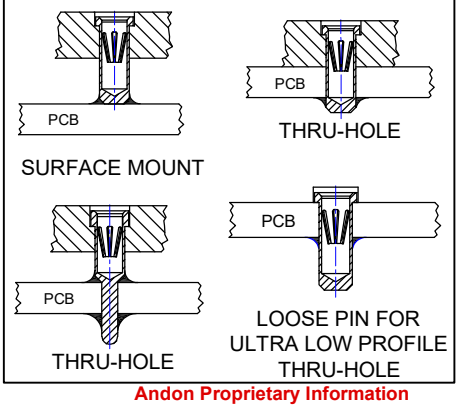
Insulator: Hi-Temp UL 94V-O
Terminal: Brass, per ASTM-B16
Contact: BeCu, Per ASTM-B194

Plating: RoHS COMPLIANT

R27 TERMINAL: GOLD / CONTACT: GOLD

OTHER PLATINGS AVAILABLE

MOUNTING OPTIONS



Terminal Acceptance and Forces							
Thru Hole Terminals				Surface Mount Terminals			
Thru Hole Terminal	Accepts Pin Diameter	Insertion Force	Withdrawal Force	Surface Mount Terminal	Accepts Pin Diameter	Insertion Force	Withdrawal Force
-01S	Ø.018 [Ø0.46]	9.0 oz AVG	2.0 oz Min	-93S	Ø.018 [Ø0.46]	9.0 oz AVG	2.0 oz Min
-436P55	Ø.060 [Ø1.52]	15.5 oz AVG	2.1 oz Min	-440P55	Ø.060 [Ø1.52]	15.5 oz AVG	2.1 oz Min

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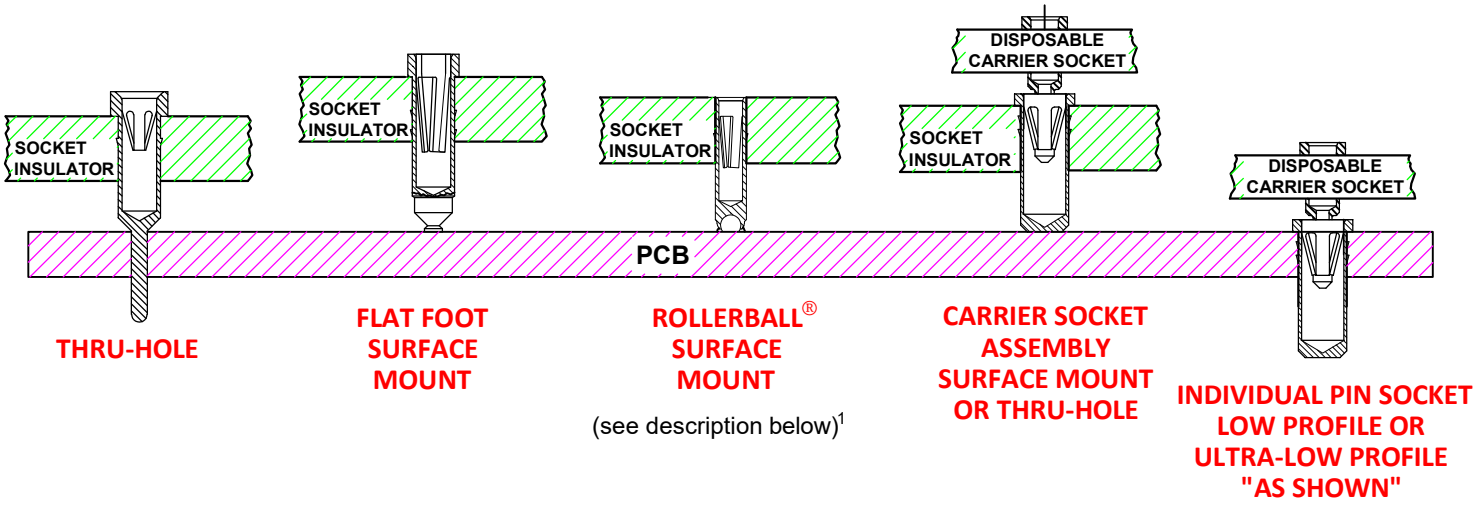
ANDON ELECTRONICS CORPORATION
4 Court Drive, Lincoln RI 02865, United States of America
www.andonelectronics.com or www.andonelect.com
Phone 401-333-0388 Fax 401-333-0287
Email Info@andonelect.com

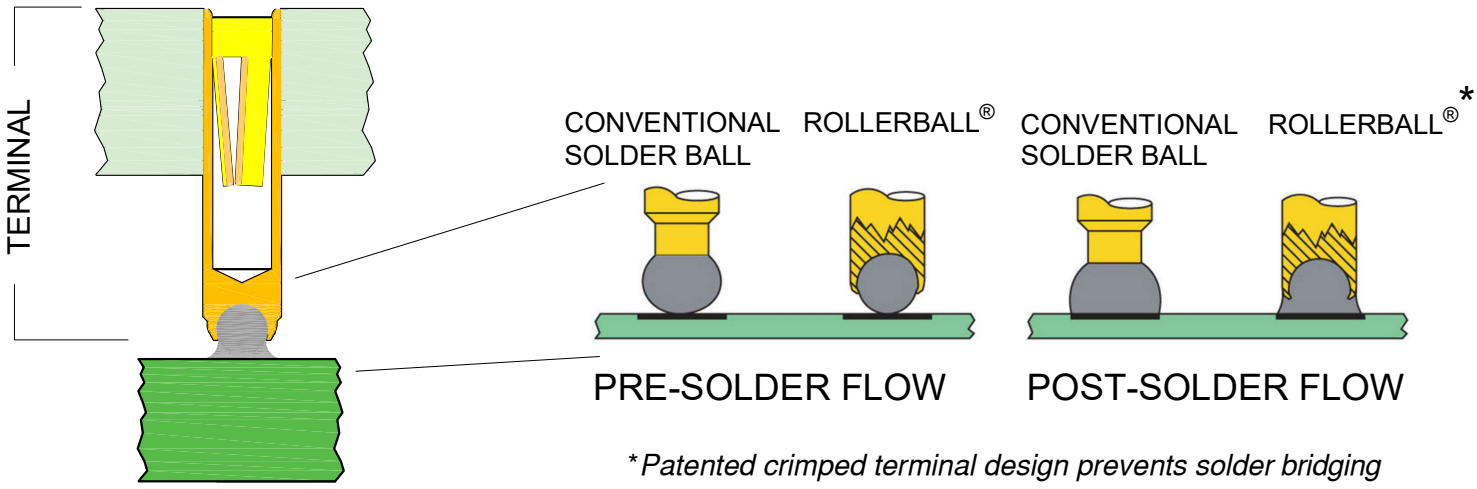
Socket Terminal Options



[1]Andon's patented Rollerball® socket terminal option provides more accurate soldering, a stronger connection, and improved electrical connectivity - especially under shock and vibration - than other solder ball terminal designs. Better yet, it can enable you to avoid expensive rework and scrap - especially with larger PCBs where coplanarity is an inherent challenge.

The bottom of these terminals has a radiused hole, to prevent gas entrapment. The terminal is crimped over the solder ball beyond its hemisphere, encapsulating it - leaving just enough of the solder ball exposed to provide sufficient solder without the solder bridging common in conventional solder ball terminal designs.

With this unique design, the critical distance between the terminal and the PC board pad is typically reduced from .036”-.040” to .018”-.022”. As such, the solder becomes part of the “anchor” cross-section - providing additional mechanical strength to the connection, as well as improved electrical connectivity. Because it also provides controlled dispersion of solder, this encapsulated solder ball reduces the risk of solder bridging inherent in conventional solder ball terminal designs.



*Patented crimped terminal design prevents solder bridging

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4 Court Drive, Lincoln RI 02865, United States of America
www.andonelectronics.com or www.andonelect.com
Phone 401-333-0388 Fax 401-333-0287
Email Info@andonelect.com

Carrier Assembly Configurations

For fast, accurate placement of SIP sockets and ultra-low profile terminals

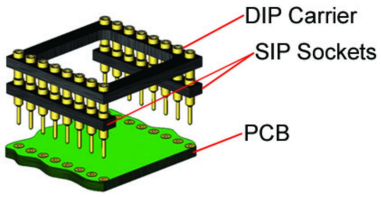
Phase 1: Receive Carrier Assemblies designed to your pin layout.

Phase 2: Place carrier assemblies onto PCB; run through your soldering process.

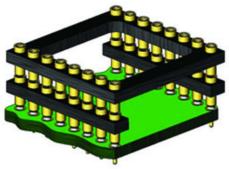
Phase 3: Remove carrier and plug in your device; discard carrier or send back to our factory for reloading.

DIP

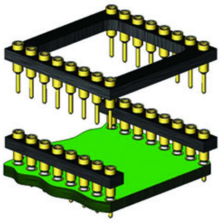
Before Soldering



During Soldering

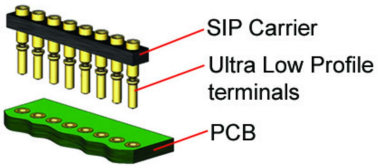


After Soldering

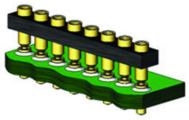


ULTRA-LOW PROFILE SIP

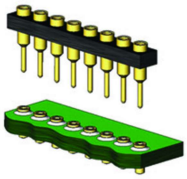
Before Soldering



During Soldering

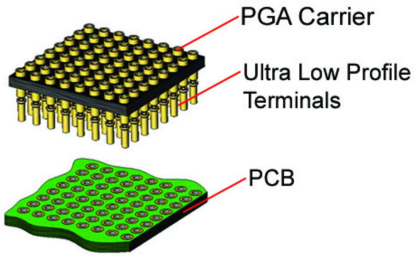


After Soldering

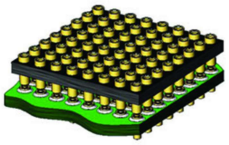


ULTRA-LOW PROFILE PGA

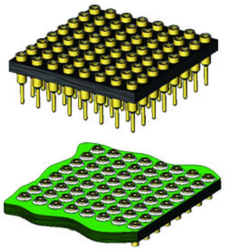
Before Soldering



During Soldering

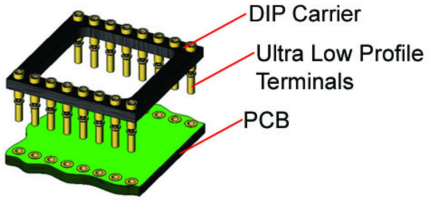


After Soldering



ULTRA LOW PROFILE DIP

Before Soldering



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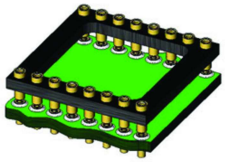

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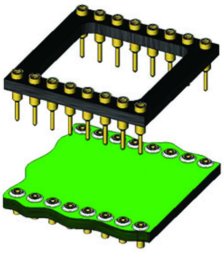

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Phone 401-333-0388 Fax 401-333-0287
Email Info@andonelect.com