ANDON
INTERCONNECTION SPECIALISTS

High-Reliability Gas Sensor Sockets for ELT Sensor Corp.

ELT SENSOR

Featuring Andon's Unique Senstac™ Contact

ELT Sensor Inc. Gas Sensor to Socket Cross Reference						
ELT Sensor Part Number	Andon Electronics Part Number *Replace "XXX" with Terminal Style*	Terminal Style		Pin Ø [in]	Figure Number	Page Number
		Thru-Hole	Surface Mount			
CH4-L50	R420-SP05-04T-XXX-R27-L14	436P55	440P55	.060	1	1
T-300	C10-007-07-01-XXX-R27-L14 + C10-006-06-01-XXX-R27-L14	01P28	93P28	.025	2	2
T-300A	C10-007-07-01-XXX-R27-L14 + C10-006-06-01-XXX-R27-L14	01P28	93P28	.025	2	2
S-110H	C10-011-11-01-XXX-R27-L14	01P28	93P28	.025	2	3

Top View Shown

Units: in [mm]

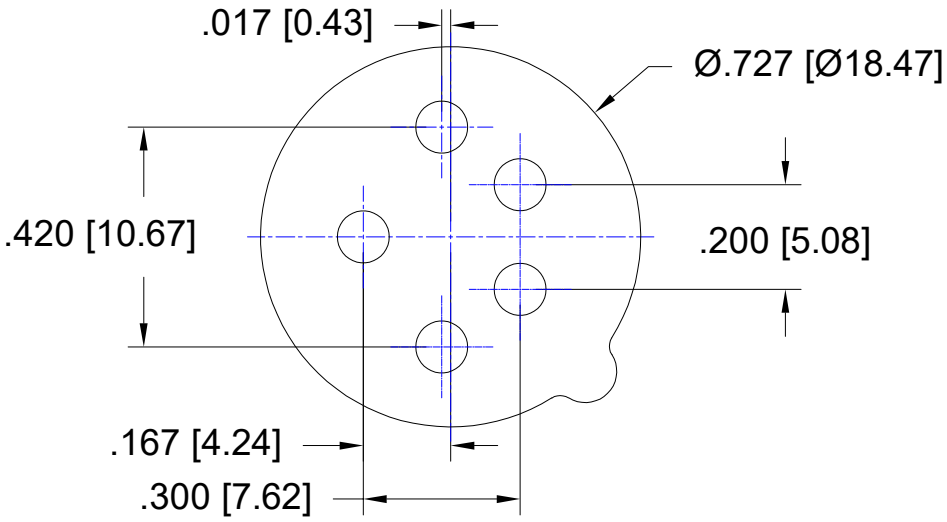


FIG: 01

Thru-Hole: R420-SP05-04T-436P55-R27-L14

Surface Mount: R420-SP05-04T-440P55-R27-L14

Andon Proprietary Information

RoHS Compliant

*Sockets are not drawn to scale **ELT Sensor** 05/13/2026

ANDON ELECTRONICS CORPORATION

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

www.andonelectronics.com or www.andonelect.com

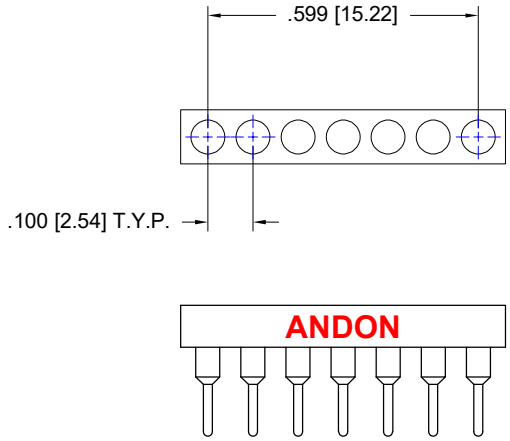
Phone 401-333-0388 Fax 401-333-0287

Email Info@andonelect.com

ELT SENSOR *Continued*

Top View Shown

Units: in [mm]



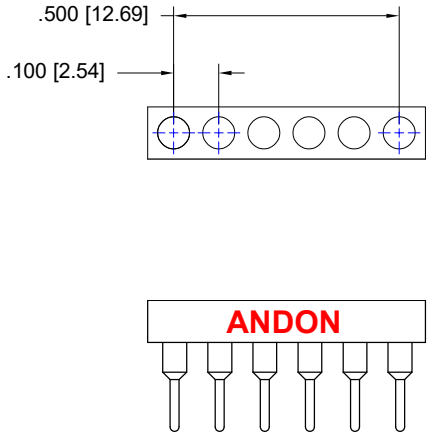


FIG: 02

Thru-Hole: C10-007-07-01-01P28-R27-L14
Surface Mount: C10-007-07-01-93P28-R27-L14

Thru-Hole: C10-006-06-01-01P28-R27-L14
Surface Mount: C10-006-06-01-93P28-R27-L14

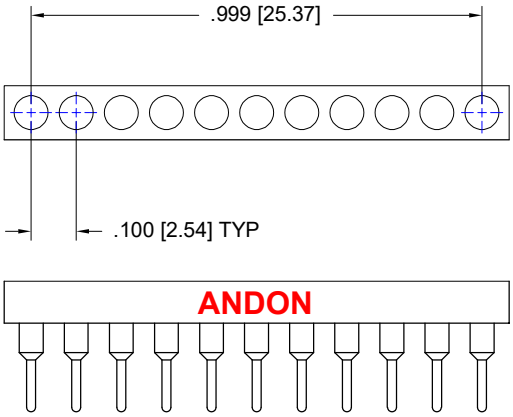


FIG: 03

Thru-Hole: C10-011-11-01-01P28-R27-L14
Surface Mount: C10-011-11-01-93P28-R27-L14

Andon Proprietary Information
RoHS Compliant
*Sockets are not drawn to scale **ELT Sensor** 05/13/2026

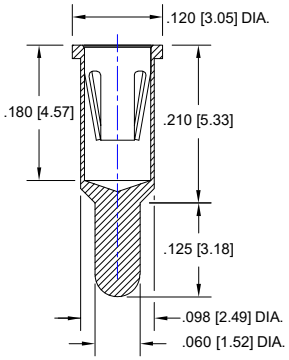
ANDON ELECTRONICS CORPORATION
4 Court Drive, Lincoln RI 02865, United States of America
www.andonelectronics.com or www.andonelect.com
Phone 401-333-0388 Fax 401-333-0287
Email Info@andonelect.com

Socket Terminal Options

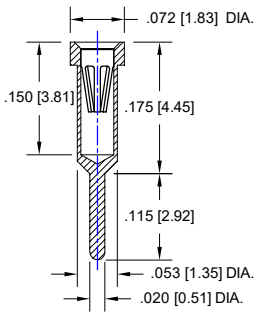
Units: in [mm]

THRU HOLE OPTION

-436P55

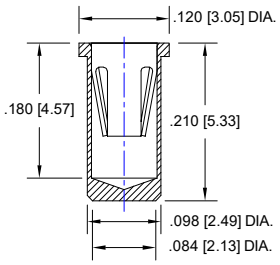


- 01P28

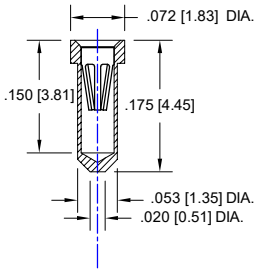


SURFACE MOUNT OPTION

-440P55



- 93P28



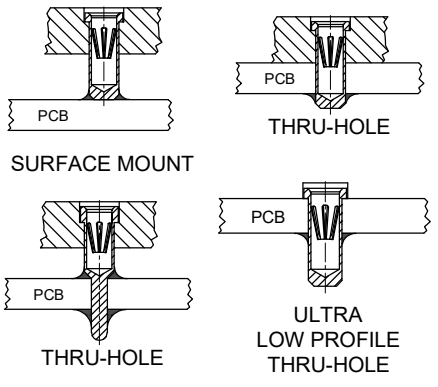
Technical Information

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

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
-436P55	Ø.060 [Ø1.52]	15.5 oz Max	2.1 oz Min	-440P55	Ø.060 [Ø1.52]	15.5 oz Max	2.1 oz Min
-01P28	Ø.028 [Ø0.71]	.70 oz Max	0.35 oz Min	-93P28	Ø.028 [Ø0.71]	.70 oz Max	0.35 oz Min

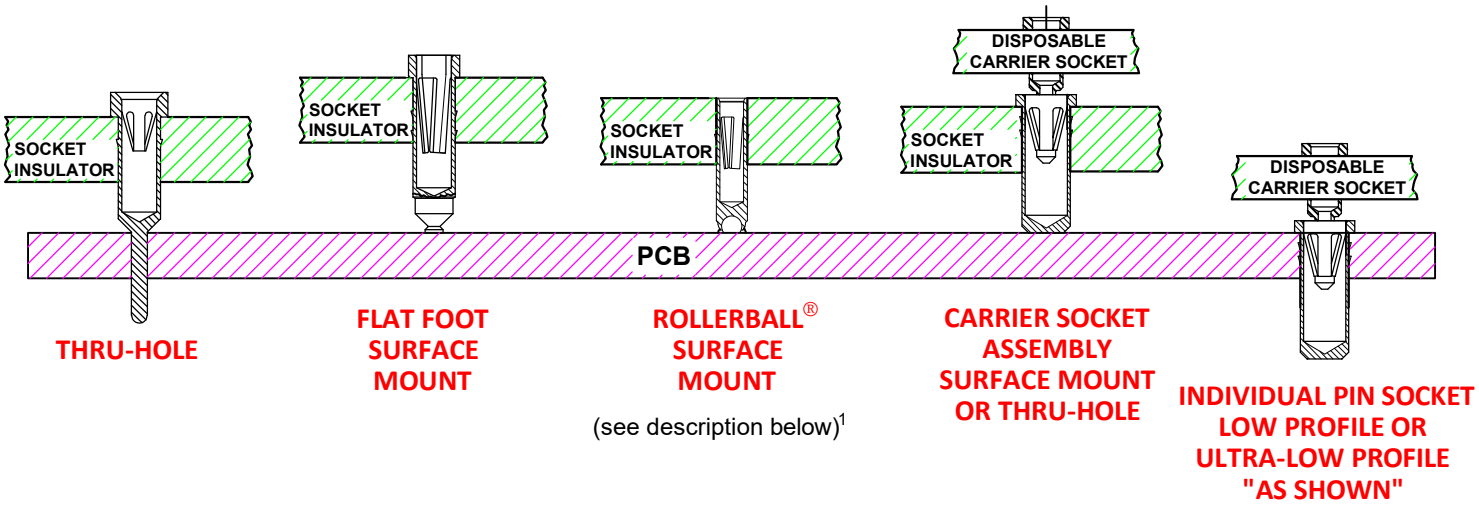
MOUNTING OPTIONS



Andon Proprietary Information
RoHS Compliant
*Sockets are not drawn to scale **ELT Sensor** 05/13/2026

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

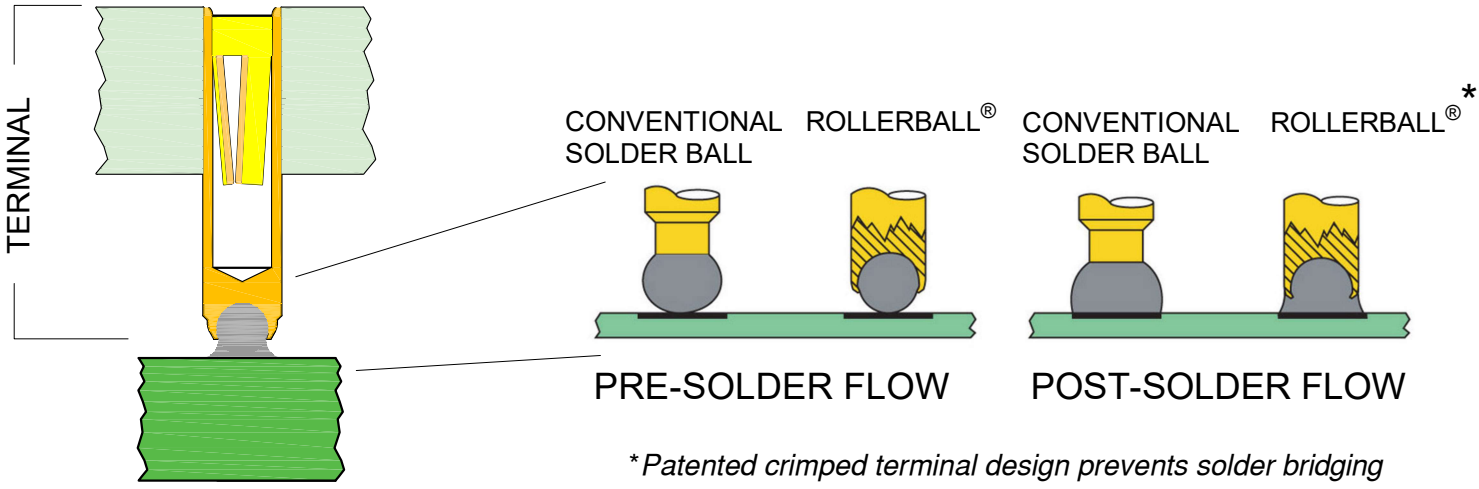
Socket Terminal Options



[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

Andon Proprietary Information
RoHS Compliant
*Sockets are not drawn to scale **ELT Sensor** 05/13/2026

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

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

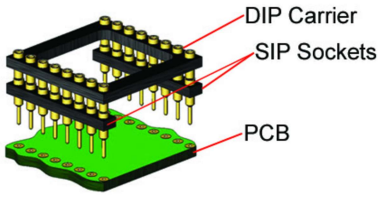
Phase 1:
Receive Carrier Assemblies designed to your pin layout.

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

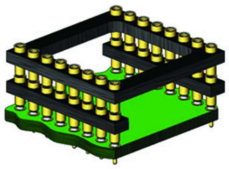
Phase 3:
Remove carrier and plug in your device; discard carrier or send back to our factory for reloading.

DIP

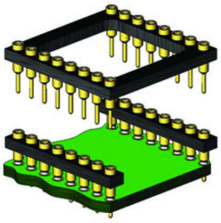
Before Soldering



During Soldering

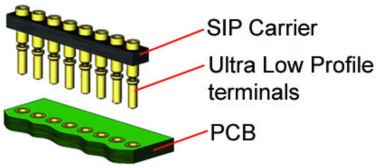


After Soldering

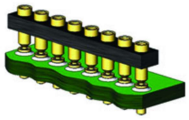


ULTRA-LOW PROFILE SIP

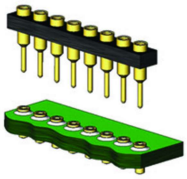
Before Soldering



During Soldering

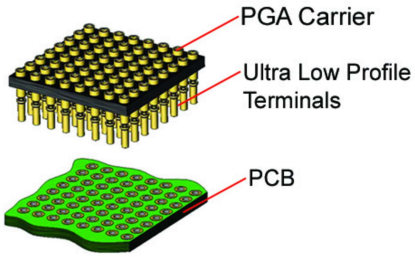


After Soldering

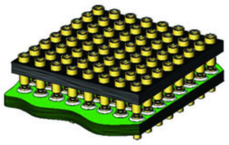


ULTRA-LOW PROFILE PGA

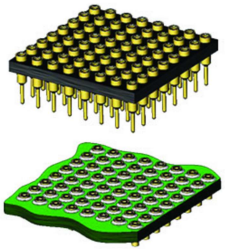
Before Soldering



During Soldering

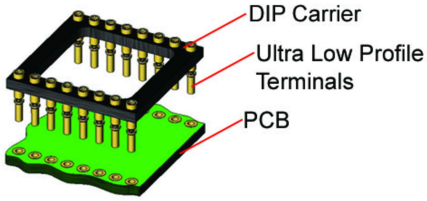


After Soldering

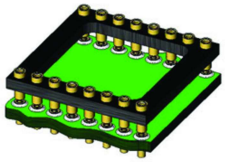


ULTRA LOW PROFILE DIP

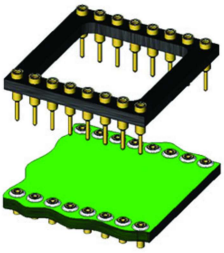
Before Soldering



During Soldering



After Soldering



Andon Proprietary Information

RoHS Compliant

*Sockets are not drawn to scale **ELT Sensor** 05/13/2026

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