ANDON
INTERCONNECTION SPECIALISTS

A3 ALIA THE LASER INSTITUTE

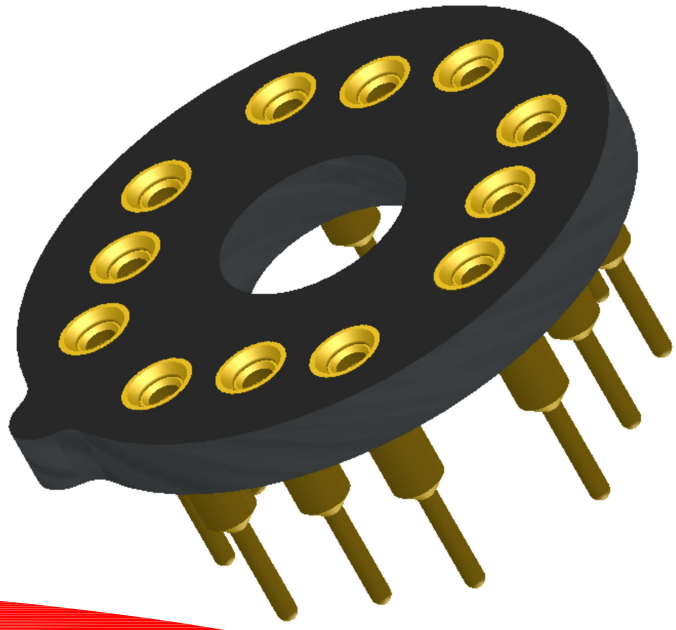
GASG

CERTIFIED ISO 9001 COMPANY

LEAD FREE RoHS COMPLIANT

High-Reliability Gas Sensor Sockets for CMC ELECTRONICS INC.

CMC Electronics



Featuring Andon's Unique Senstac™ Contact

CMC ELECTRONICS						
CMC ELECTRONICS Model Number	Andon Part Number Replace "XXX" with Terminal Type	Terminal Type		Pin Ø [in]	Figure Number	Page Number
		Thru-Hole	Surface Mount			
264-339757-VAR	R400-SP12-01T-XXX-R27-S14	01S	93S	.018	1	1
264-339759-VAR	R400-SP12-01T-XXX-R27-S14	01S	93S	.018	1	1
264-339767-001	R100-0403-06T-XXX-R27-L14	75S	265S	.018	2	1
264-339767-002	R100-0403-06T-XXX-R27-L14	75S	265S	.018	2	1
264-339767-003	R100-0403-06T-XXX-R27-L14	75S	265S	.018	2	1
264-339767-004	R100-0403-06T-XXX-R27-L14	75S	265S	.018	2	1
264-339767-005	R100-0403-06T-XXX-R27-L14	75S	265S	.018	2	1
264-339767-006	R100-0403-06T-XXX-R27-L14	75S	265S	.018	2	1
264-339767-VAR	R100-0403-06T-XXX-R27-L14	75S	265S	.018	2	1
264-339794-VAR	R400-SP12-01T-XXX-R27-S14	01S	93S	.018	1	1
264-339795-VAR	R400-SP12-01T-XXX-R27-S14	01S	93S	.018	1	1
264-339814-001	R400-SP12-01T-XXX-R27-S14	01S	93S	.018	1	1
264-339814-002	R400-SP12-01T-XXX-R27-S14	01S	93S	.018	1	1
264-339820-001	R400-SP12-01T-XXX-R27-S14	01S	93S	.018	1	1
264-339822-001	R400-SP12-01T-XXX-R27-S14	01S	93S	.018	1	1
264-339822-002	R400-SP12-01T-XXX-R27-S14	01S	93S	.018	1	1
264-339822-003	R400-SP12-01T-XXX-R27-S14	01S	93S	.018	1	1
264-339829-001	R400-SP12-01T-XXX-R27-S14	01S	93S	.018	1	1
264-339831-001	R400-SP12-01T-XXX-R27-S14	01S	93S	.018	1	1
264-339831-002	R400-SP12-01T-XXX-R27-S14	01S	93S	.018	1	1
264-339832	R400-SP12-01T-XXX-R27-S14	01S	93S	.018	1	1
264-339834-001	R400-SP12-01T-XXX-R27-S14	01S	93S	.018	1	1
264-339834-002	R400-SP12-01T-XXX-R27-S14	01S	93S	.018	1	1
264-339835-001	R400-SP12-01T-XXX-R27-S14	01S	93S	.018	1	1
264-339835-002	R400-SP12-01T-XXX-R27-S14	01S	93S	.018	1	1
264-339835-003	R400-SP12-01T-XXX-R27-S14	01S	93S	.018	1	1
264-339836	R400-SP12-01T-XXX-R27-S14	01S	93S	.018	1	1
264-339839-001	R400-SP12-01T-XXX-R27-S14	01S	93S	.018	1	1
264-339839-002	R400-SP12-01T-XXX-R27-S14	01S	93S	.018	1	1
264-339839-003	R400-SP12-01T-XXX-R27-S14	01S	93S	.018	1	1
276-339767-002	R100-0403-06T-XXX-R27-L14	75S	265S	.018	2	1
276-339767-004	R100-0403-06T-XXX-R27-L14	75S	265S	.018	2	1
276-339832-001	(2) 417-08-XXX-R27-L14	274UM	281UM	.015	3	1
276-339832-002	(2) 417-08-XXX-R27-L14	274UM	281UM	.015	3	1

Heat sink socket available to reduce heat and noise. Contact Andon for details.

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RoHS Compliant

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

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

CMC ELECTRONICS *Continued*

Top View Shown

Units: in [mm]

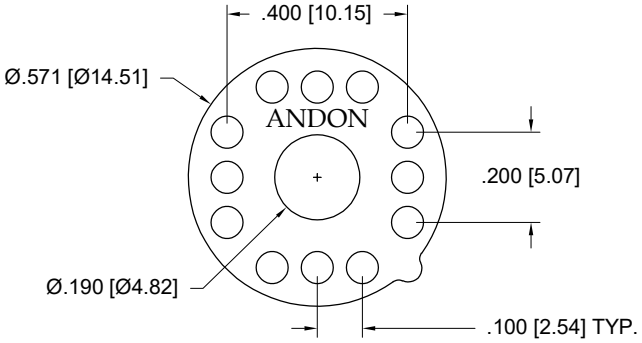

Fig. 25

Thru-Hole: R400-SP12-01T-01S-R27-S14
Surface Mount: R400-SP12-01T-93S-R27-S14

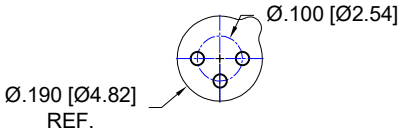

Fig. 07

Thru-Hole: R100-0403-01T-75S-R27-L14
Surface Mount: R100-0403-01T-265S-R27-L14

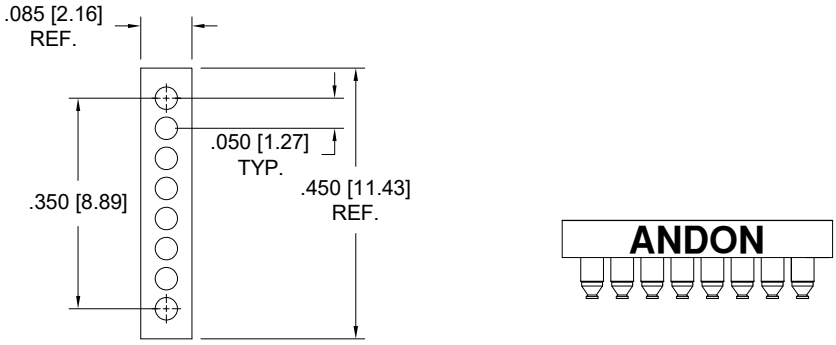

Fig. 25

Thru-Hole: 417-08-274UM-R27-L14
Surface Mount: 417-08-281UM-R27-L14

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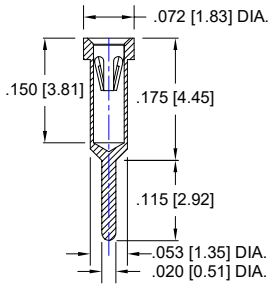
CMC ELECTRONICS *Continued*

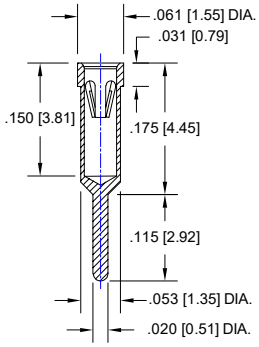
Units: in [mm]

THRU HOLE OPTION

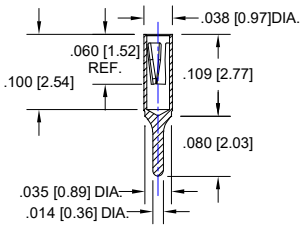
-01S



-75S

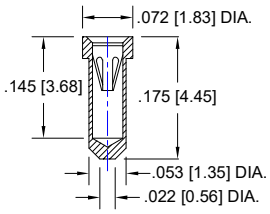


-274UM

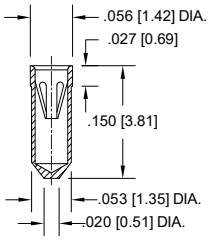


SURFACE MOUNT OPTION

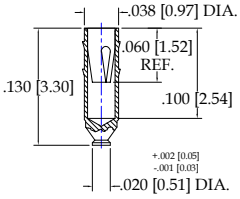
-93S



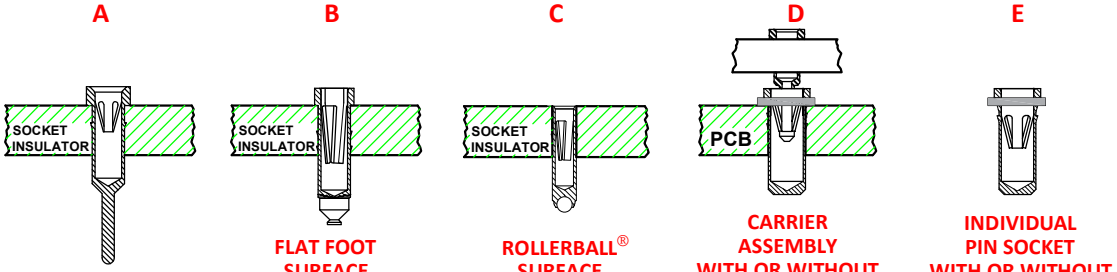
-265S



-281UM



Socket Terminal Options



Technical Information

Material:

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

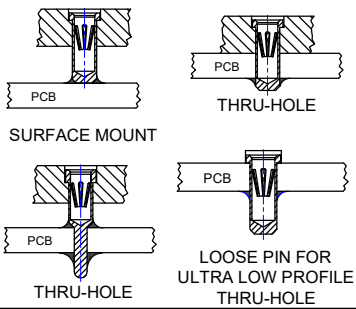
Plating: RoHS COMPLIANT

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
-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
-75S	Ø.018 [Ø0.46]	9.0 oz Avg.	2.0 oz Min	**-265S**	Ø.018 [Ø0.46]	9.0 oz Avg.	2.0 oz Min
-274UM	Ø.017 [Ø0.46]	2.1 oz MAX.	0.53 oz Min	**-281UM**	Ø.017 [Ø0.46]	2.1 oz MAX.	0.53 oz Min

MOUNTING OPTIONS



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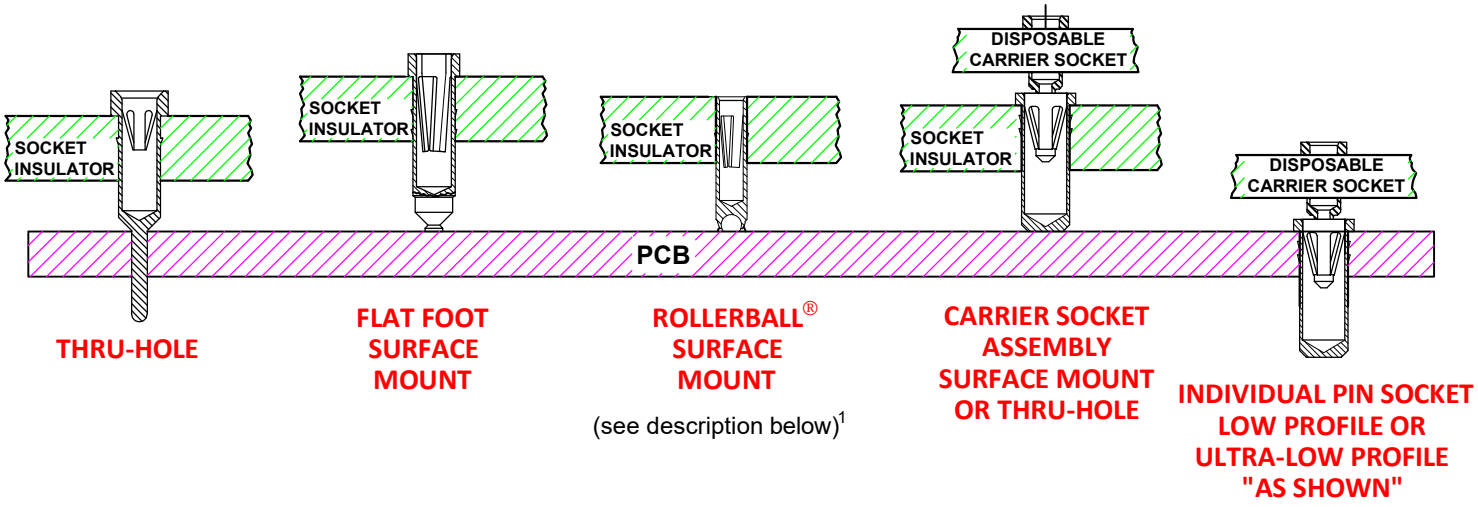
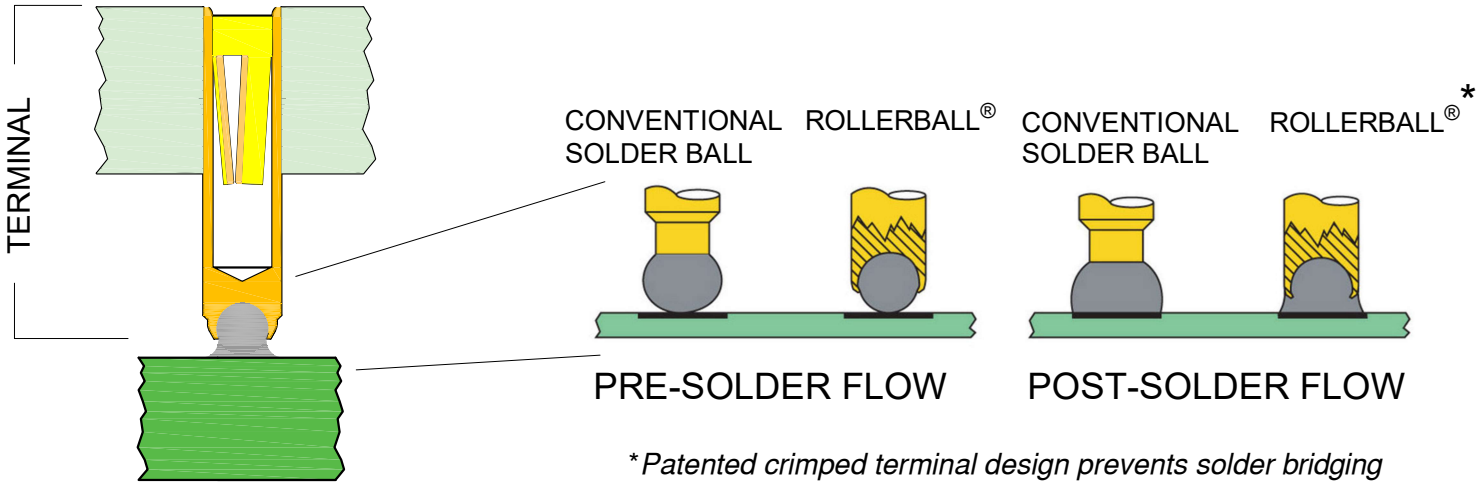
Socket Terminal Options



[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

Rollerball® U.S. PATENTED CANADIAN PATENTED

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Email Info@andonelect.com

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

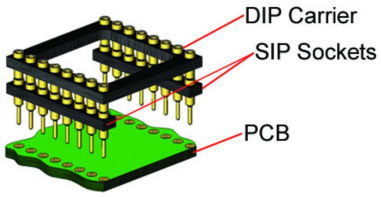
Phase 1:
Receive Carrier Assemblies designed to your pin layout.

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

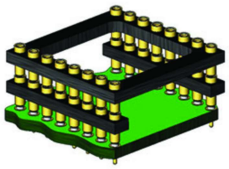
Phase 3:
Remove carrier and plug in your device; discard carrier or send back to our factory for reloading.

DIP

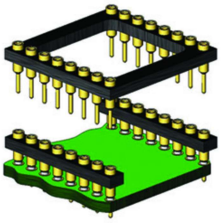
Before Soldering



During Soldering

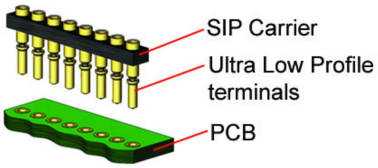


After Soldering

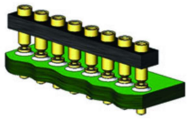


ULTRA-LOW PROFILE SIP

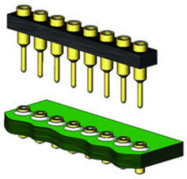
Before Soldering



During Soldering

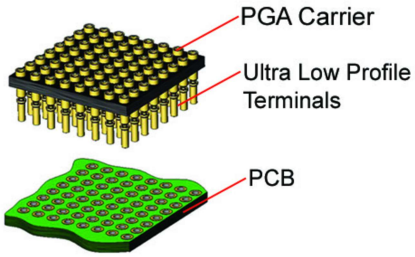


After Soldering



ULTRA-LOW PROFILE PGA

Before Soldering



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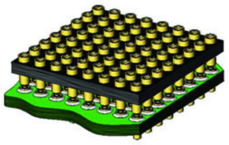

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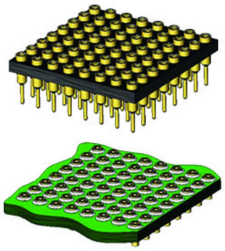
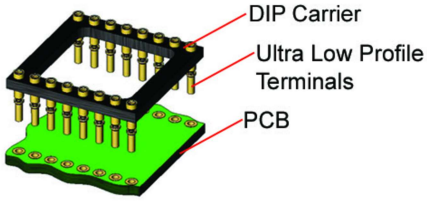


ULTRA LOW PROFILE DIP

Before Soldering



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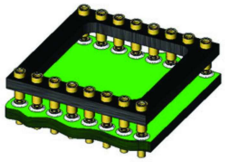
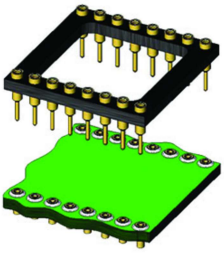


After Soldering



RoHS Compliant

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