

High-Reliability Gas Sensor Sockets for EC Sense, GmbH



Featuring Andon's Unique SenstacTM Contact

EC Sense Cross Reference						
EC Sense Part Number	Andon Electronics Part Number <i>Replace "XXX" with Terminal Style</i>	Terminal Style		Pin Ø [in]	Figure Number	Page Number
		Thru-Hole	Surface Mount			
DS4-ASH2-1-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
DS4-B2H6-1-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
DS4-CH4S-100-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
DS4-CH4S-10-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
DS4-CH4S-500-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
DS4-CL2-100-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
DS4-CO-1000-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
DS4-CO-100-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
DS4-CO-10-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
DS4-CO-2%-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
DS4-ETO-1000-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
DS4-ETO-10-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
DS4-ETO-200-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
DS4-GEH4-5-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
DS4-H2-1000-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
DS4-H2-5%-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
DS4-H2-5000-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
DS4-H2S-1000-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
DS4-H2S-100-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
DS4-H2S-10-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
DS4-H2S-5000-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
DS4-HCHO-100-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
DS4-HCHO-5-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
DS4-HCN-50-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
DS4-NH3-100-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
DS4-NH3-10-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
DS4-NO2-1000-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
DS4-NO2-100-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
DS4-NO2-2000-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
DS4-NO2-50-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
DS4-O2-25%-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
DS4-O3-100-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
DS4-O3-50-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
DS4-O3-5-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
DS4-PH3-100-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
DS4-PH3-2000-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
DS4-PH3-20-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
DS4-PH3-5-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
DS4-SIH4-10-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
DS4-SMELL-10-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
DS4-SMELL-200-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
DS4-SMELL-500-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
DS4-SMELL-5-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
DS4-SO2-1000-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
DS4-SO2-100-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
DS4-SO2-2000-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
DS4-SO2-50-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
DS4-TVOC-1000-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4

EC Sense Cross Reference						
EC Sense Part Number	Andon Electronics Part Number <i>Replace "XXX" with Terminal Style</i>	Terminal Style		Pin Ø [in]	Figure Number	Page Number
		Thru-Hole	Surface Mount			
DS4-TVOC-10-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
DS4-TVOC-2000-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
DS4-TVOC-200-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
EC4-BR2-5-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
EC4-CL2-50-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
EC4-CL2-5-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
EC4-CLO2-5-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
EC4-F2-5-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
EC4-HCI-30-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
EC4-HCL-30-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
EC4-HF-10-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
EC4-NH3-1000-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
EC4-NH3-100-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
EC4-NH3-500-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
EC4-O3-100-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
EC4-O3-5-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
ES1-AG1-1000-01	R300-SP03-02T-XXX-R27-L14	01S	93S	.040	2	4
ES1-AG1-10-01	R300-SP03-02T-XXX-R27-L14	01S	93S	.040	2	4
ES1-AG1-2000-01	R300-SP03-02T-XXX-R27-L14	01S	93S	.040	2	4
ES1-AG1-200-01	R300-SP03-02T-XXX-R27-L14	01S	93S	.040	2	4
ES1-ASH3-1-01	R300-SP03-02T-XXX-R27-L14	01S	93S	.040	2	4
ES1-CH4S-100-01	R300-SP03-02T-XXX-R27-L14	01S	93S	.040	2	4
ES1-CH4S-10-01	R300-SP03-02T-XXX-R27-L14	01S	93S	.040	2	4
ES1-CL2-50-01	R300-SP03-02T-XXX-R27-L14	01S	93S	.040	2	4
ES1-CL2-5-01	R300-SP03-02T-XXX-R27-L14	01S	93S	.040	2	4
ES1-CLO2-100-01	R300-SP03-02T-XXX-R27-L14	01S	93S	.040	2	4
ES1-CLO2-1-01	R300-SP03-02T-XXX-R27-L14	01S	93S	.040	2	4
ES1-CO-1000-01	R300-SP03-02T-XXX-R27-L14	01S	93S	.040	2	4
ES1-CO-10000-SMOKE-01	R300-SP03-02T-XXX-R27-L14	01S	93S	.040	2	4
ES1-CO-100-01	R300-SP03-02T-XXX-R27-L14	01S	93S	.040	2	4
ES1-CO-10-01	R300-SP03-02T-XXX-R27-L14	01S	93S	.040	2	4
ES1-ETO-1000-01	R300-SP03-02T-XXX-R27-L14	01S	93S	.040	2	4
ES1-ETO-10-01	R300-SP03-02T-XXX-R27-L14	01S	93S	.040	2	4
ES1-ETO-200-01	R300-SP03-02T-XXX-R27-L14	01S	93S	.040	2	4
ES1-H2-1000-01	R300-SP03-02T-XXX-R27-L14	01S	93S	.040	2	4
ES1-H2-20000-01	R300-SP03-02T-XXX-R27-L14	01S	93S	.040	2	4
ES1-H2S-100-01	R300-SP03-02T-XXX-R27-L14	01S	93S	.040	2	4
ES1-H2S-10-01	R300-SP03-02T-XXX-R27-L14	01S	93S	.040	2	4
ES1-H2S-5000-01	R300-SP03-02T-XXX-R27-L14	01S	93S	.040	2	4
ES1-H2S-500-01	R300-SP03-02T-XXX-R27-L14	01S	93S	.040	2	4
ES1-HCHO-100-01	R300-SP03-02T-XXX-R27-L14	01S	93S	.040	2	4
ES1-HCHO-5-01	R300-SP03-02T-XXX-R27-L14	01S	93S	.040	2	4
ES1-NH3-100-01	R300-SP03-02T-XXX-R27-L14	01S	93S	.040	2	4
ES1-NO2-1000-01	R300-SP03-02T-XXX-R27-L14	01S	93S	.040	2	4
ES1-NO2-100-01	R300-SP03-02T-XXX-R27-L14	01S	93S	.040	2	4
ES1-NO2-2000-01	R300-SP03-02T-XXX-R27-L14	01S	93S	.040	2	4
ES1-NO2-50-01	R300-SP03-02T-XXX-R27-L14	01S	93S	.040	2	4
ES1-NO2-5-01	R300-SP03-02T-XXX-R27-L14	01S	93S	.040	2	4

EC Sense Cross Reference						
EC Sense Part Number	Andon Electronics Part Number <i>Replace "XXX" with Terminal Style</i>	Terminal Style		Pin Ø [in]	Figure Number	Page Number
		Thru-Hole	Surface Mount			
ES1-O2-100-01	R300-SP03-02T-XXX-R27-L14	01S	93S	.040	2	4
ES1-O2-25%-01	R300-SP03-02T-XXX-R27-L14	01S	93S	.040	2	4
ES1-O2-25%-HH-01	R300-SP03-02T-XXX-R27-L14	01S	93S	.040	2	4
ES1-O2-5-01	R300-SP03-02T-XXX-R27-L14	01S	93S	.040	2	4
ES4-AG1-1000-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
ES4-AG1-10-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
ES4-AG1-2000-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
ES4-AG1-200-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
ES4-ASH3-1-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
ES4-BR2-5-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
ES4-CH4S-100-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
ES4-CH4S-10-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
ES4-CL2-50-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
ES4-CL2-5-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
ES4-CLO2-100-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
ES4-CLO2-1-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
ES4-CO-1000-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
ES4-CO-100-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
ES4-ETO-1000-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
ES4-ETO-10-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
ES4-ETO-200-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
ES4-H2-1000-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
ES4-H2-2000-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
ES4-H2S-100-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
ES4-H2S-10-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
ES4-H2S-5000-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
ES4-H2S-500-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
ES4-HCHO-1000-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
ES4-HCHO-5-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
ES4-HF-10-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
ES4-NH-100-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
ES4-NH3-100-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
ES4-NO2-1000-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
ES4-NO2-100-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
ES4-NO2-2000-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
ES4-NO2-50-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
ES4-O2-25-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
ES4-O3-100-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
ES4-O3-5-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
ES4-PH-20-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
ES4-PH3-20-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
ES4-SIH4-50-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
ES4-SO2-1000-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
ES4-SO2-100-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4
ES4-SO2-50-01	R530-0403-01T-XXX-R27-L14	436P55	440P55	.060	1	4

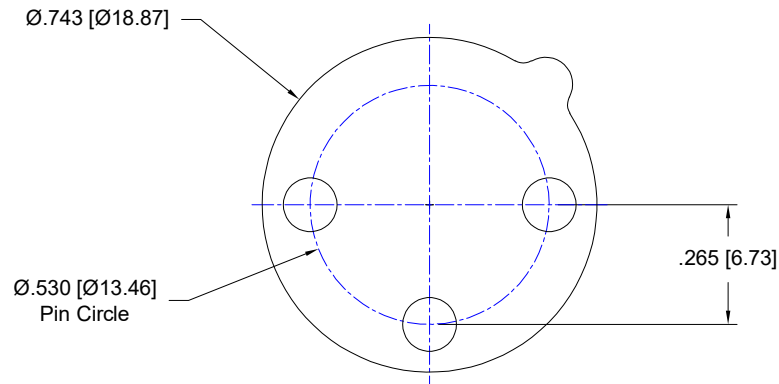


FIG: 01

Thru-Hole: R530-0403-01T-436P55-R27-L14

Surface Mount: R530-0403-01T-440P55-R27-L14

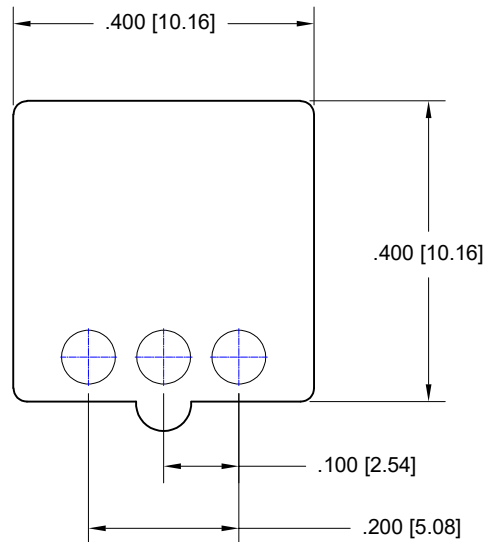


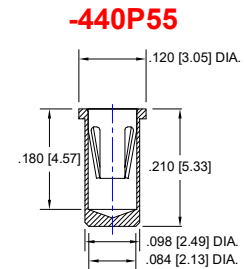
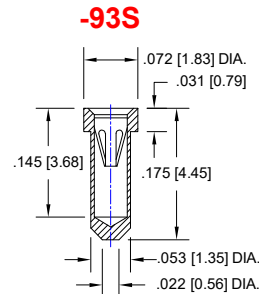
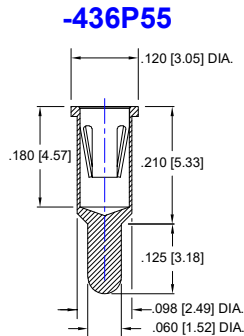
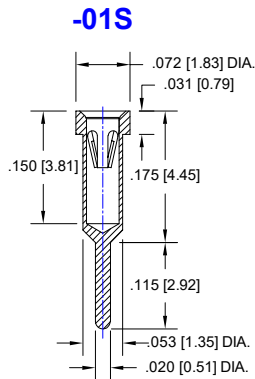
FIG: 02

Thru-Hole: R300-SP03-02T-01S-R27-L14

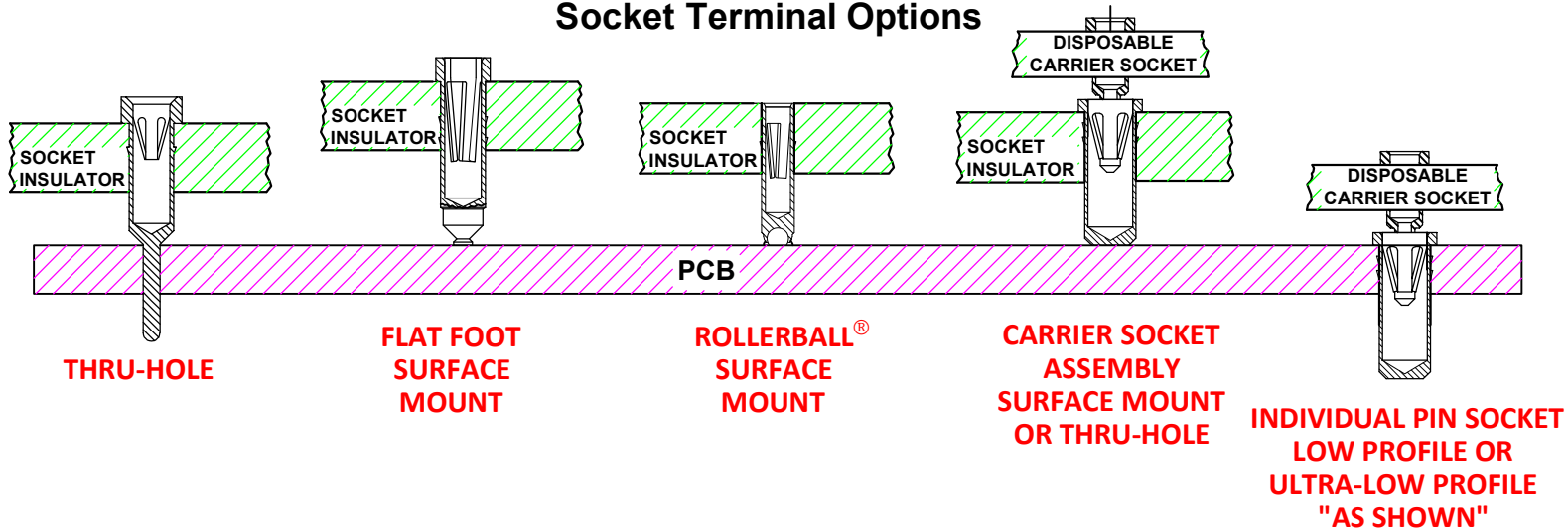
Surface Mount: R300-SP03-02T-93S-R27-L14

THRU HOLE OPTION

SURFACE MOUNT OPTION



Socket Terminal Options



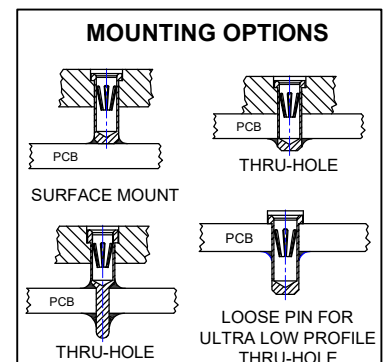
Technical Information

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 Socket Terminals				Surface Mount Socket 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 Max	2.1 oz Min	-440P55	Ø.060 [Ø1.52]	15.5 oz Max	2.1 oz Min



©Copyright 2025 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. We reserve the right to change specifications without notice. Andon makes no warranty, expressed or implied, as to the suitability of the sockets for the intended purpose.

"ANDON PROPRIETARY INFORMATION"

RoHS Compliant

*Sockets are not drawn to scale EC Sense 06/11/2025

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.



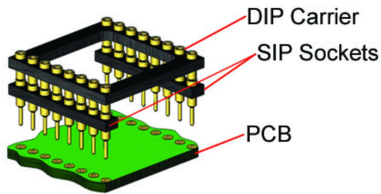
Phase 2:
Place carrier assemblies onto PCB; run through your soldering process.



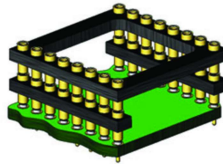
Phase 3:
Remove carrier and plug in your device; discard carrier or send back to our factory for reloading.

DIP

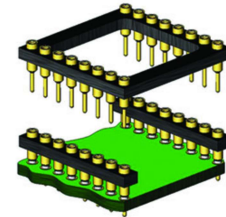
Before Soldering



During Soldering

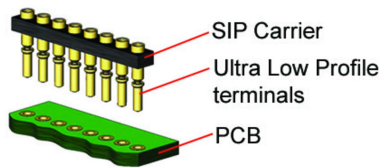


After Soldering

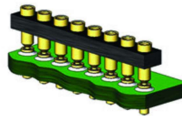


ULTRA-LOW PROFILE SIP

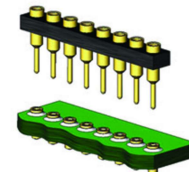
Before Soldering



During Soldering

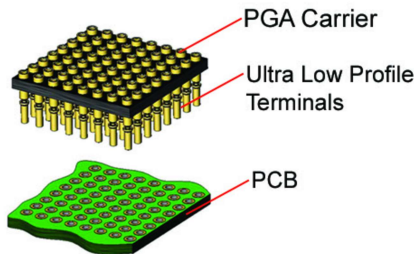


After Soldering

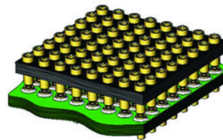


ULTRA-LOW PROFILE PGA

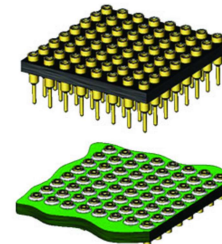
Before Soldering



During Soldering

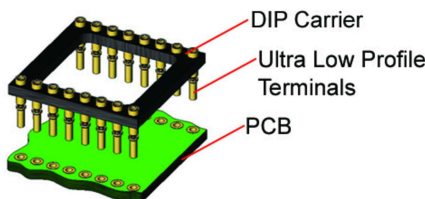


After Soldering

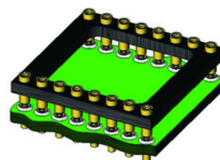


ULTRA LOW PROFILE DIP

Before Soldering



During Soldering



After Soldering

