ANDON
INTERCONNECTION SPECIALISTS

High-Reliability Gas Sensor Sockets for Nissha FIS, Inc.

NISSHA
Nissha FIS, Inc.

Featuring Andon's Unique Senstac™ Contact

Nissha FIS, Inc.						
Nissha FIS, Inc. Sensor Number	**Andon Part Number** Replace "XXX" with Terminal Type	**Terminal Type** Thru-Hole	Surface Mount	**Pin Ø [in]**	**Figure Number**	**Page Number**
EC-570	R500-SP01-02N-XXX-R27-L14	01S	93S	.018	2	1
SB-AQ1-06	R400-SP03-02N-XXX-R27-L14	295V	439V	.030	3	1
SB-11A-00	R400-SP03-02N-XXX-R27-L14	295V	439V	.030	3	1
SB-12A-00	R400-SP03-02N-XXX-R27-L14	295V	439V	.030	3	1
SB-15-00	R400-SP03-02N-XXX-R27-L14	295V	439V	.030	3	1
SB-19-00	R400-SP03-02N-XXX-R27-L14	295V	439V	.030	3	1
SB-30-00	R400-SP03-02N-XXX-R27-L14	295V	439V	.030	3	1
SB-42A-00	R400-SP03-02N-XXX-R27-L14	295V	439V	.030	3	1
SB-43A-00	R400-SP03-02N-XXX-R27-L14	295V	439V	.030	3	1
SB-53-01	R400-SP03-02N-XXX-R27-L14	295V	439V	.030	3	1
SB-95-12	R400-SP03-02N-XXX-R27-L14	295V	439V	.030	3	1
SB-500-12	R400-SP03-02N-XXX-R27-L14	295V	439V	.030	3	1
SP3-61-00	R400-SP03-02N-XXX-R27-L14	295V	439V	.030	3	1
SP3S-AQ2-01	R400-SP03-02N-XXX-R27-L14	295V	439V	.030	3	1
SP-11-00	R375-0805-01T-XXX-R27-L14	433E	285E	.040	1	1
SP-31-00	R375-0805-01T-XXX-R27-L14	433E	285E	.040	1	1
SP-42A-00	R375-0805-01T-XXX-R27-L14	433E	285E	.040	1	1
SP-42AF-00	R375-0805-01T-XXX-R27-L14	433E	285E	.040	1	1

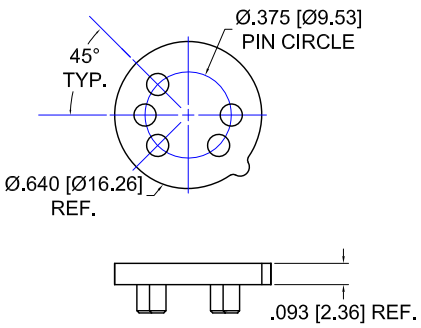


Fig. 1 5 Pins

Thru-Hole: R375-0805-01T-433E-R27-L14
Surface Mount: R375-0805-01T-285E-R27-L14

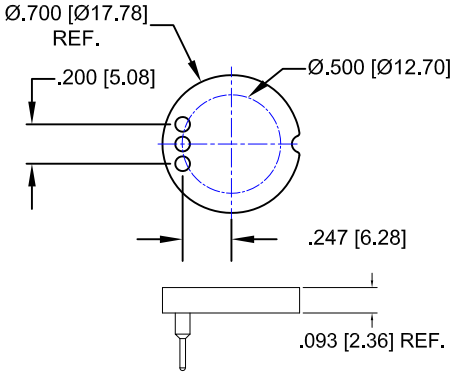


Fig. 2 3 Pins

Thru-Hole: R500-SP01-02N-01S-R27-L14
Surface Mount: R500-SP01-02N-93S-R27-L14

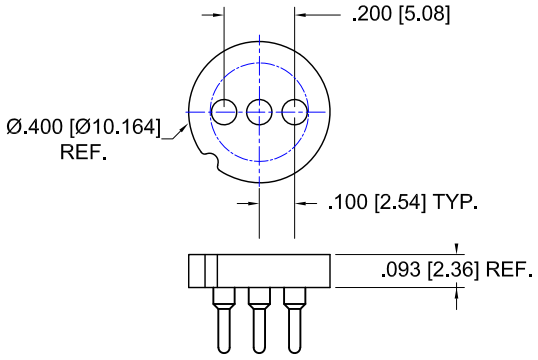


Fig. 3 3 Pins

Thru-Hole: R400-SP03-02N-295V-R27-L14
Surface Mount: R400-SP03-02N-439V-R27-L14

RoHS Compliant

*Sockets are not drawn to scale **Nissha FIS, Inc.**. 02/20/2024

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

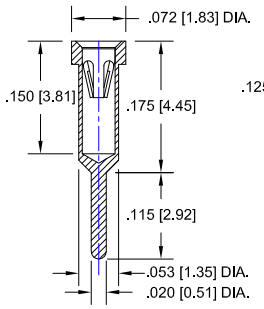
NISSHA FIS, Inc. *Continued*

Top View Shown

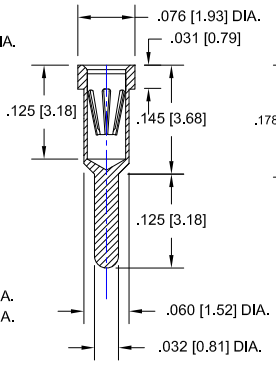
Units: in [mm]

THRU HOLE OPTION

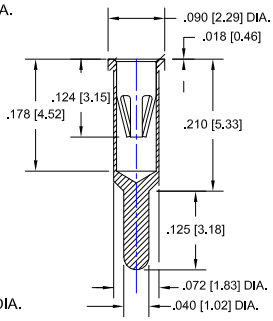
-01S



-295V

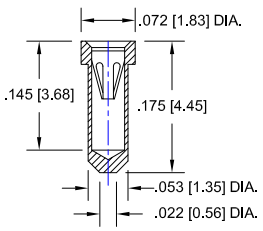


-433E

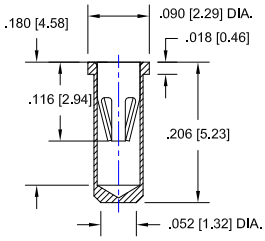


SURFACE MOUNT OPTION

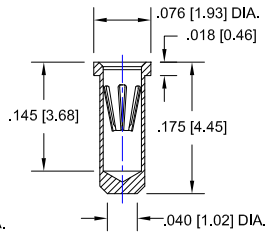
-93S



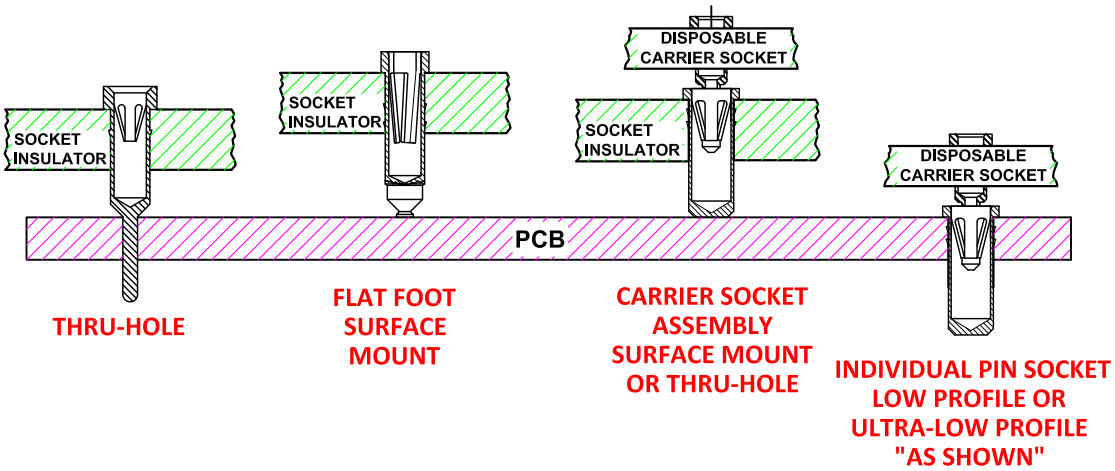
-285E



-439V



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

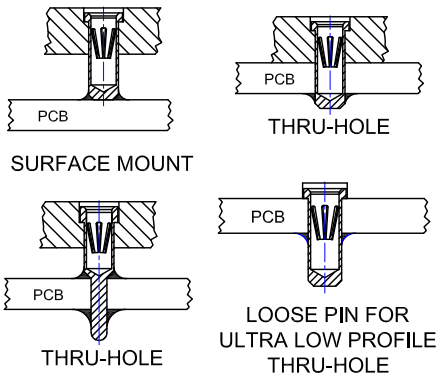
R27 TERMINAL: GOLD / CONTACT: GOLD

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
-433E	Ø.040 [Ø1.02]	36.0 oz Avg.	3.9 oz Min	-285E	Ø.040 [Ø1.02]	36.0 oz Avg.	3.9 oz Min
-295V	Ø.030 [Ø0.76]	13.2 oz Avg.	3.5 oz Min	-439V	Ø.030 [Ø0.76]	13.2 oz Avg.	3.5 oz Min

MOUNTING OPTIONS



"ANDON PROPRIETARY INFORMATION"

RoHS Compliant

*Sockets are not drawn to scale **Nissha FIS, Inc.** 02/20/2024

ANDON
INTERCONNECTION SPECIALISTS

Carrier Assembly Configurations

CERTIFIED ISO 9001 COMPANY

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

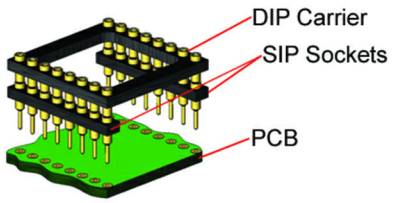
Phase 1:
Receive Carrier Assemblies designed to your pin layout.

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

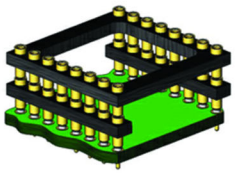
Phase 3:
Remove carrier and plug in your device; discard carrier.

DIP

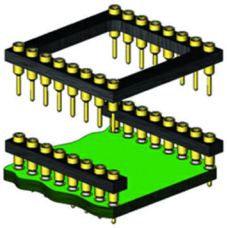
Before Soldering



During Soldering

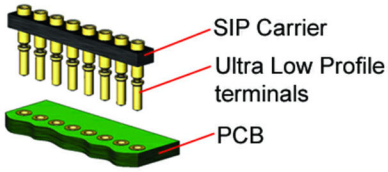


After Soldering

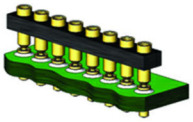


ULTRA-LOW PROFILE SIP

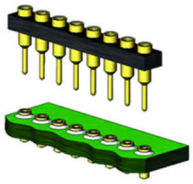
Before Soldering



During Soldering

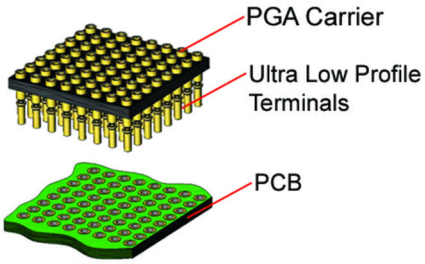


After Soldering

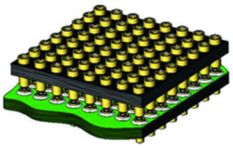


ULTRA-LOW PROFILE PGA

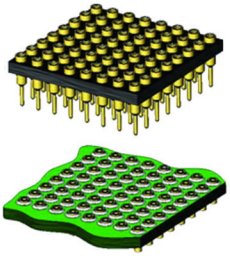
Before Soldering



During Soldering

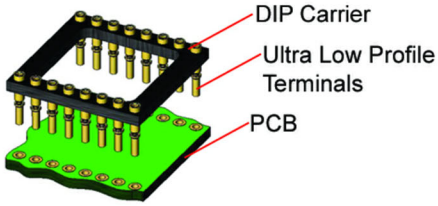


After Soldering



ULTRA LOW PROFILE DIP

Before Soldering



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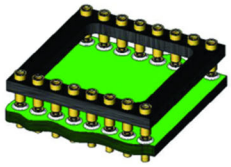

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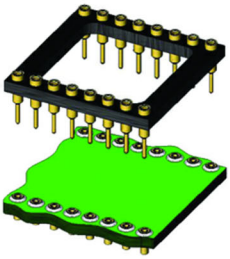

RoHS Compliant
Andon Proprietary Information

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