ANDON
INTERCONNECTION SPECIALISTS

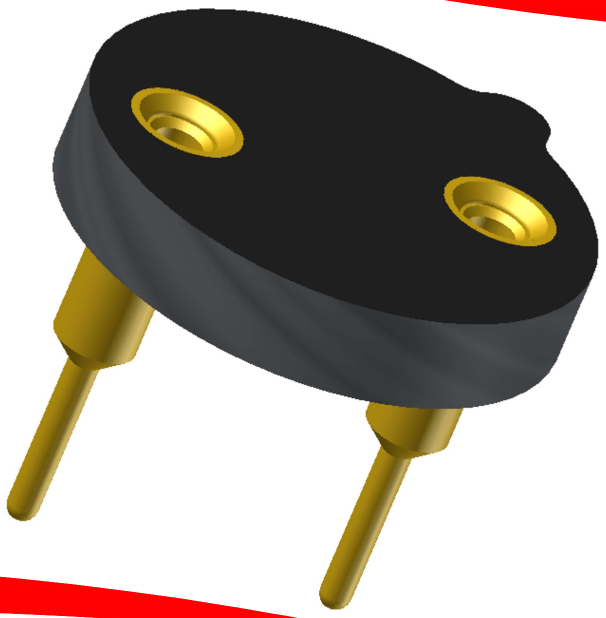
A3 ALIA THE LASER INSTITUTE

CERTIFIED ISO 9001 COMPANY

LEAD FREE RoHS COMPLIANT

HIGH RELIABILITY OPTOELECTRONIC SOCKETS FOR Innovative Sensor Technology IST AG

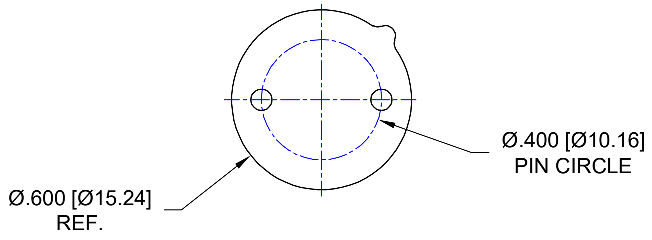
IST innovative Sensor Technology



Featuring Andon's Unique Senstac™ Contact

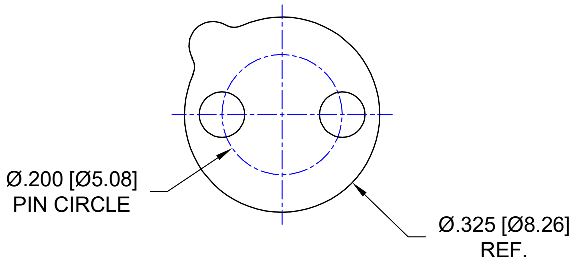
Innovative Sensor Technology IST AG

Innovative Sensor Technology AG			
IST AG Model Number	**Andon Part Number** Replace "XXX" with Terminal Type	**Terminal Type**	
		Thru-Hole	Surface Mount
HIS2000R-BWC300	R400-0802-01T-XXX-R27-L14	**01S**	**93S**
HIS2000R-O	R400-0802-01T-XXX-R27-L14	**01S**	**93S**
HIS2000R-A300-9	R400-0802-01T-XXX-R27-L14	**01S**	**93S**
HIS2000R-C300-6	R400-0802-01T-XXX-R27-L14	**01S**	**93S**
HIS2000R-0WC	R400-0802-01T-XXX-R27-L14	**01S**	**93S**
HIS2000R-C300-9	R400-0802-01T-XXX-R27-L14	**01S**	**93S**
HIS2000R-CWC300	R400-0802-01T-XXX-R27-L14	**01S**	**93S**



Thru-Hole: R400-0802-01T-01S-R27-L14
Surface Mount: R400-0802-01T-93S-R27-L14

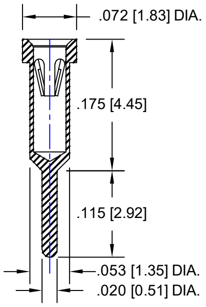
Innovative Sensor Technology AG			
IST AG Model Number	**Andon Part Number** Replace "XXX" with Terminal Type	**Terminal Type**	
		Thru-Hole	Surface Mount
HIS550R-A	R200-0402-01T-XXX-R27-L14	**01S**	**93S**
HIS550R-OWC	R200-0402-01T-XXX-R27-L14	**01S**	**93S**
HIS550R-O	R200-0402-01T-XXX-R27-L14	**01S**	**93S**



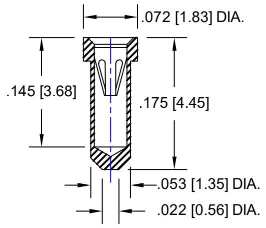
Thru-Hole: R200-0402-01T-01S-R27-L14
Surface Mount: R200-0402-01T-93S-R27-L14

Terminals

-01S



-93S



Technical Information

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

RoHS Compliant

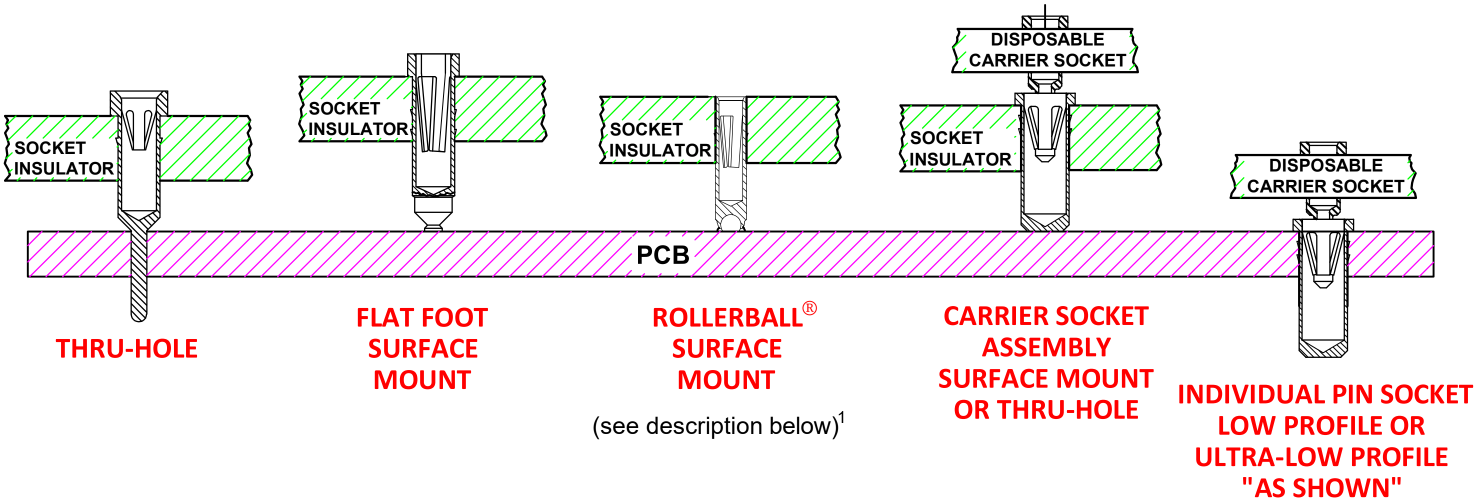
Plating:
R27 TERMINAL: GOLD / CONTACT: GOLD
OTHER PLATINGS AVAILABLE

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

Andon Proprietary Information

*Sockets are not drawn to scale **Innovative Sensor Technology IST AG** 05/12/2026

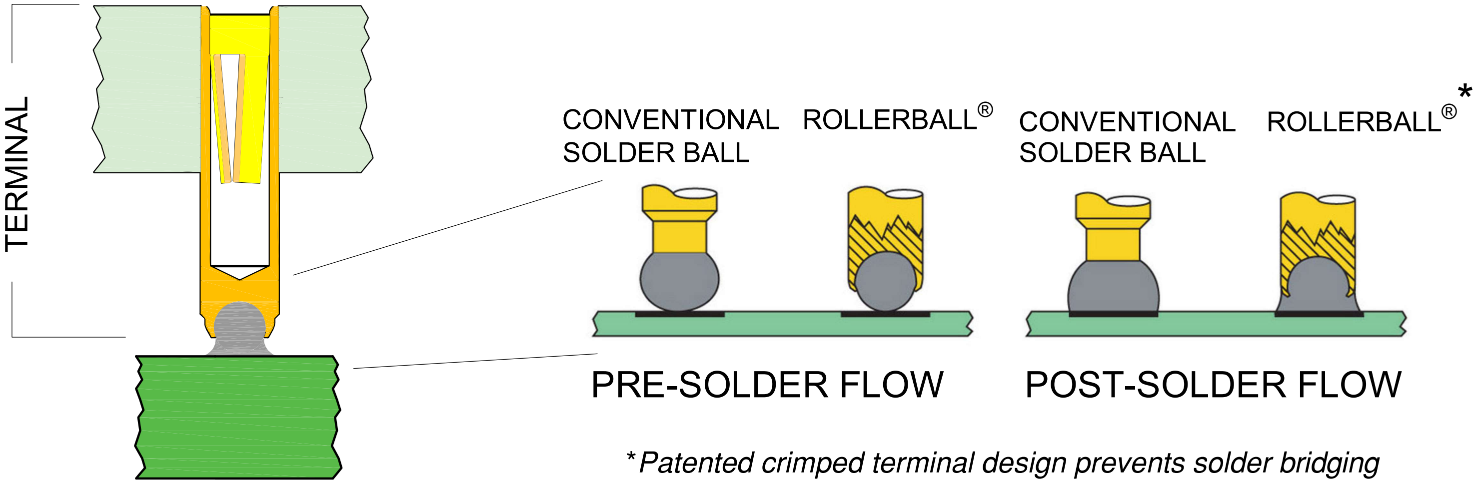
Socket Terminal Options



[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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Carrier Assembly Configurations

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

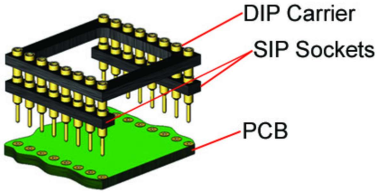
Phase 1:
Receive Carrier Assemblies designed to your pin layout.

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

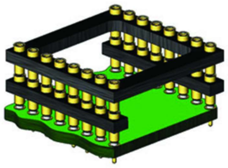
Phase 3:
Remove carrier and plug in your device; discard carrier or send back to our factory for reloading.

DIP

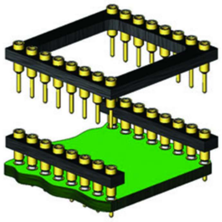
Before Soldering



During Soldering

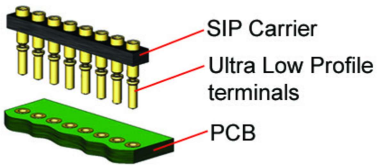


After Soldering

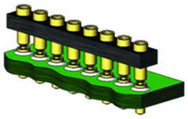


ULTRA-LOW PROFILE SIP

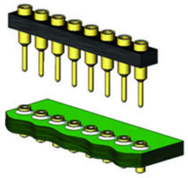
Before Soldering



During Soldering

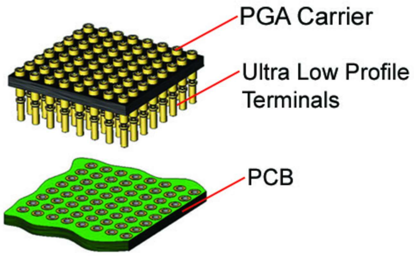


After Soldering

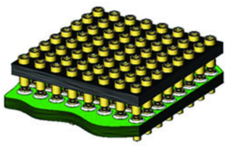


ULTRA-LOW PROFILE PGA

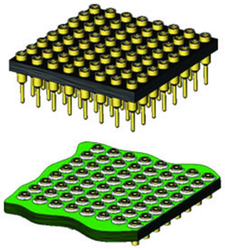
Before Soldering



During Soldering

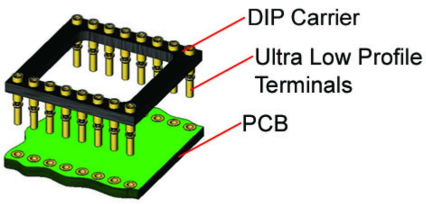


After Soldering

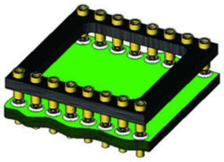


ULTRA LOW PROFILE DIP

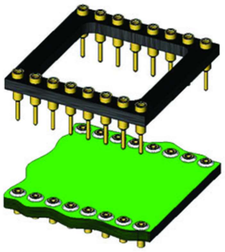
Before Soldering



During Soldering



After Soldering



Andon Proprietary Information
RoHS Compliant

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