

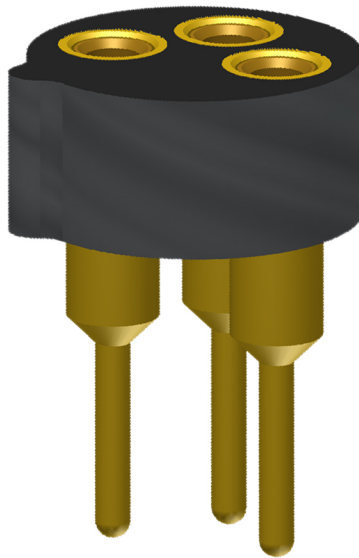


ANDON
INTERCONNECTION SPECIALISTS



RoHS Compliant
ISO 9001
Certified

**HIGH RELIABILITY
OPTOELECTRONIC SOCKETS FOR
FERMIONICS**



Featuring Andon's Unique Senstac™ Contact

FERMIONICS® is a trade mark of FERMIONICS

FERMIONICS						
FERMIONICS Model Number	Andon Part Number Replace "XXX" with Terminal Type	Terminal Type		Pin Ø [in]	Figure Number	Page Number
		Thru-Hole	Surface Mount			
FD1000W	R100-0403-07T-XXX-R27-L14	211S	384S	.018	3	2
FD100FC	R100-SP03-02T-XXX-R27-L14	274K	281K	.018	1	2
FD100FCB	R100-SP03-02T-XXX-R27-L14	274K	281K	.018	1	2
FD100L	R100-SP03-02T-XXX-R27-L14	274K	281K	.018	1	2
FD100SC	R100-SP03-02T-XXX-R27-L14	274K	281K	.018	1	2
FD100ST	R100-SP03-02T-XXX-R27-L14	274K	281K	.018	1	2
FD100W	R100-0403-07T-XXX-R27-L14	211S	384S	.018	3	2
FD1500W	R100-0403-07T-XXX-R27-L14	211S	384S	.018	3	2
FD150FC	R100-SP03-02T-XXX-R27-L14	274K	281K	.018	1	2
FD150FCB	R100-SP03-02T-XXX-R27-L14	274K	281K	.018	1	2
FD150L	R100-0403-07T-XXX-R27-L14	211S	384S	.018	3	2
FD150L	R100-SP03-02T-XXX-R27-L14	274K	281K	.018	1	2
FD150SC	R100-SP03-02T-XXX-R27-L14	274K	281K	.018	1	2
FD150ST	R100-SP03-02T-XXX-R27-L14	274K	281K	.018	1	2
FD150W	R100-0403-07T-XXX-R27-L14	211S	384S	.018	3	2
FD2000W	R200-0403-02T-XXX-R27-L14	01S	93S	.018	5	2
FD3000W	R200-0403-02T-XXX-R27-L14	01S	93S	.018	5	2
FD300F	R100-SP03-02T-XXX-R27-L14	274K	281K	.018	1	2
FD300FC	R100-SP03-02T-XXX-R27-L14	274K	281K	.018	1	2
FD300FCB	R100-SP03-02T-XXX-R27-L14	274K	281K	.018	1	2
FD300L	R100-SP03-02T-XXX-R27-L14	274K	281K	.018	1	2
FD300-OP15AR	R100-0403-06T-XXX-R27-L14	75S	265S	.018	2	2
FD300SC	R100-SP03-02T-XXX-R27-L14	274K	281K	.018	1	2
FD300ST	R100-SP03-02T-XXX-R27-L14	274K	281K	.018	1	2
FD300W	R100-0403-07T-XXX-R27-L14	211S	384S	.018	3	2
FD500-OP15AR	R100-0403-06T-XXX-R27-L14	75S	265S	.018	2	2
FD500W	R100-0403-07T-XXX-R27-L14	211S	384S	.018	3	2
FD80FC	R100-SP03-02T-XXX-R27-L14	274K	281K	.018	1	2
FD80FCB	R100-SP03-02T-XXX-R27-L14	274K	281K	.018	1	2
FD80L	R100-0403-07T-XXX-R27-L14	211S	384S	.018	3	2
FD80L	R100-SP03-02T-XXX-R27-L14	274K	281K	.018	1	2
FD80SC	R100-SP03-02T-XXX-R27-L14	274K	281K	.018	1	2
FD80ST	R100-SP03-02T-XXX-R27-L14	274K	281K	.018	1	2
FD80W	R100-0403-07T-XXX-R27-L14	211S	384S	.018	3	2
FRL2003DS	R100-SP05-01T-XXX-R27-L14	274K	281K	.018	6	2
FW5000W	R300-0803-01N-XXX-R27-L14	01S	93S	.018	4	2

See last page for other mounting types including low profile options.
Heat sink socket available to reduce heat and noise. Contact Andon for details.

FERMIONICS Continued

Top View Shown

Units: in [mm]

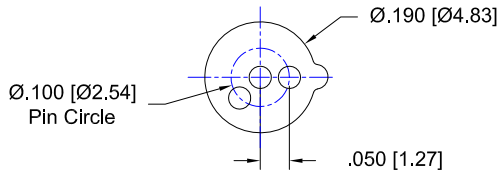


FIG. 1

Thru-Hole: R100-SP03-02T-**274K**-R27-L14
Surface Mount: R100-SP03-02T-**281K**-R27-L14

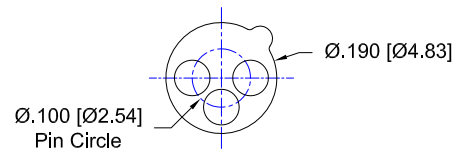


FIG. 2

Thru-Hole: R100-0403-06T-**75S**-R27-L14
Surface Mount: R100-0403-06T-**265S**-R27-L14

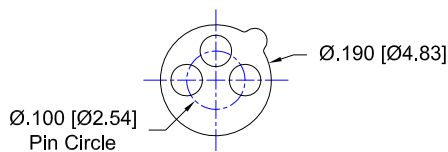


FIG. 3

Thru-Hole: R100-0403-07T-**211S**-R27-L14
Surface Mount: R100-0403-07T-**384S**-R27-L14

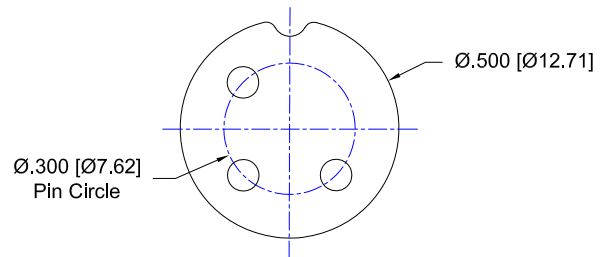


FIG. 4

Thru-Hole: R300-0803-01N-**01S**-R27-L14
Surface Mount: R300-0803-01N-**93S**-R27-L14

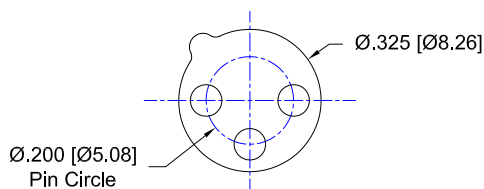


FIG. 5

Thru-Hole: R200-0403-02T-**01S**-R27-L14
Surface Mount: R200-0403-02T-**93S**-R27-L14

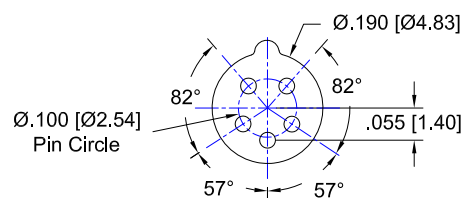


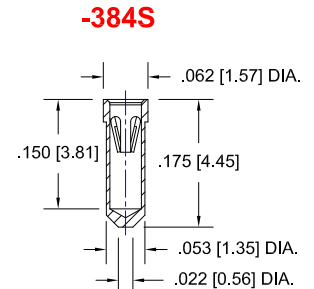
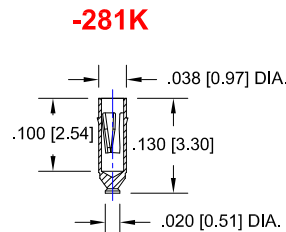
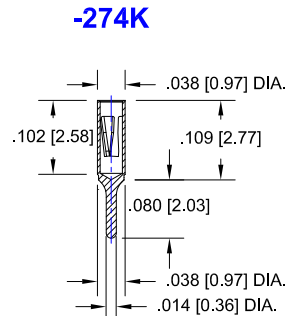
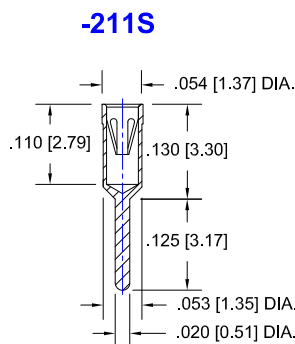
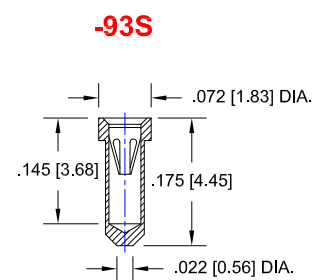
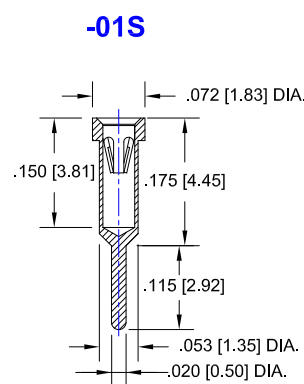
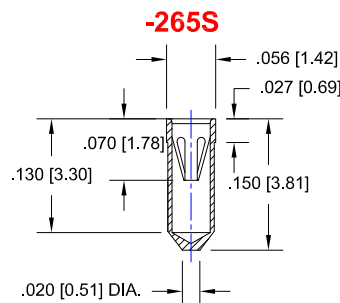
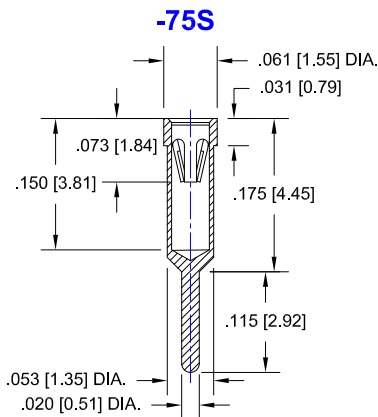
FIG. 6

Thru-Hole: R100-SP05-01T-**274K**-R27-L14
Surface Mount: R100-SP05-01T-**281K**-R27-L14

FERMIONICS *Continued*

Socket Terminal Details

Cross Section View Shown Units: in [mm]



Technical Information

Material:

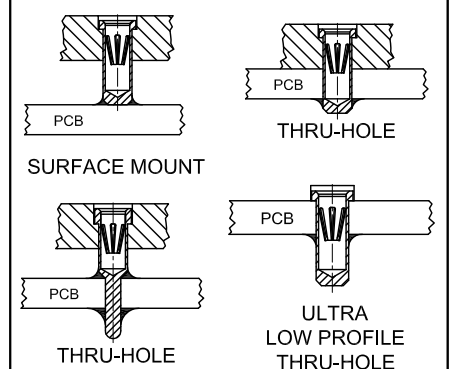
Insulator: Hi-Temp UL 94V-O
Terminal: Brass, per ASTM-B16
Contact: BeCu, Per ASTM-B194

Plating: RoHS COMPLIANT

R17 TERMINAL: MATTE TIN / CONTACT: GOLD
R27 TERMINAL: GOLD / CONTACT: GOLD
R32 TERMINAL: MATTE TIN / CONTACT: TIN
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
-274K	Ø.018 [Ø0.46]	1.0 oz Max	0.3 oz Min	-281K	Ø.018 [Ø0.46]	1.0 oz Max	0.3 oz Min
-75S	Ø.018 [Ø0.46]	9.0 oz Max	2.0 oz Min	-265S	Ø.018 [Ø0.46]	9.0 oz Max	2.0 oz Min
-211S	Ø.018 [Ø0.46]	9.0 oz Max	2.0 oz Min	-384S	Ø.018 [Ø0.46]	9.0 oz Max	2.0 oz Min
-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

MOUNTING OPTIONS



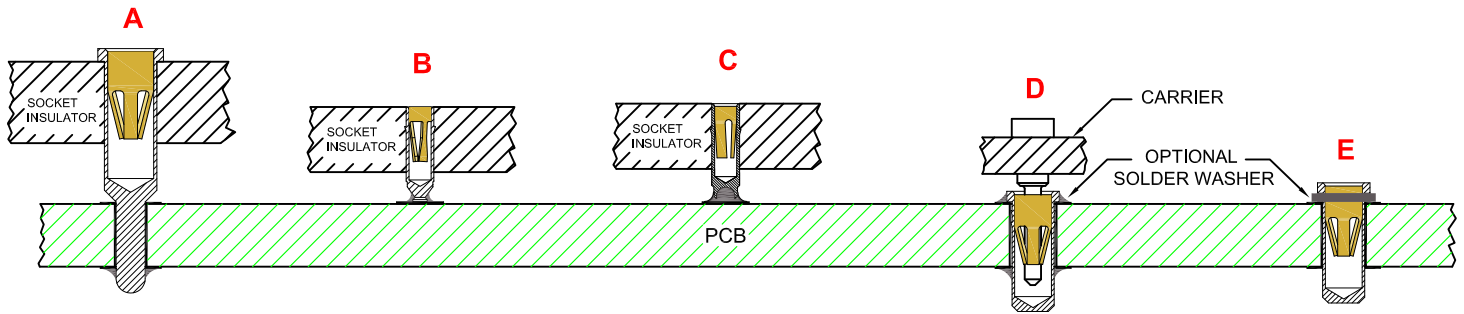
©Copyright 2017 Andon Electronics Corporation. All Rights Reserved. This material is protected under US and other copyrights and may not be copied, sold, or redistributed in any form without written permission of Andon Electronics Corporation. Copyrights and trademarks are property of their respective 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 FERMIONICS 3/31/2017

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



**THRU-HOLE
SOCKET**

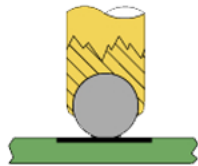
SMD-SOCKET

**SMD
ROLLERBALL®
SOCKET
(PATENTED)**

**REMOVABLE
CARRIER
WITH ULTRA-LOW
PROFILE PIN SOCKETS**

**INDIVIDUAL
ULTRA-LOW PROFILE
PIN SOCKETS
(BEFORE SOLDERING)**

**ROLLERBALL®
SOCKET**



BEFORE SOLDERING

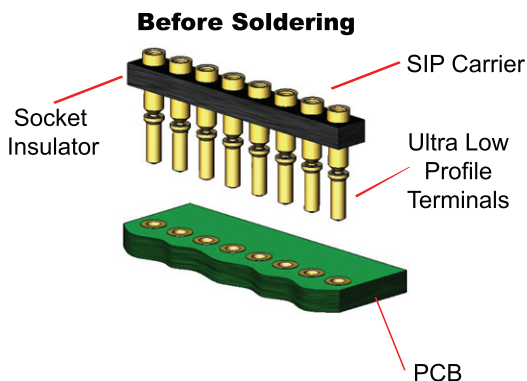
**ROLLERBALL®
SOCKET**



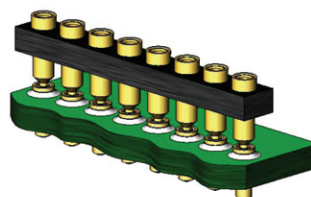
AFTER SOLDERING

A more reliable solder joint for surface mount applications !

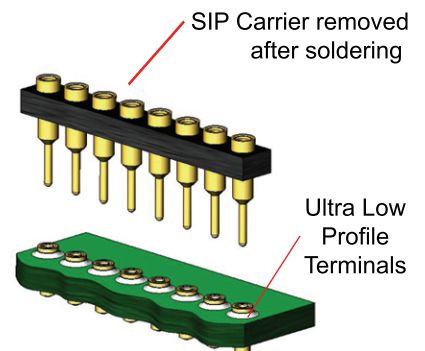
ULTRA LOW PROFILE SIP/DIP/PGA CARRIER ASSEMBLY See 'D' above



During Soldering



After Soldering



Available with or without solder washer