

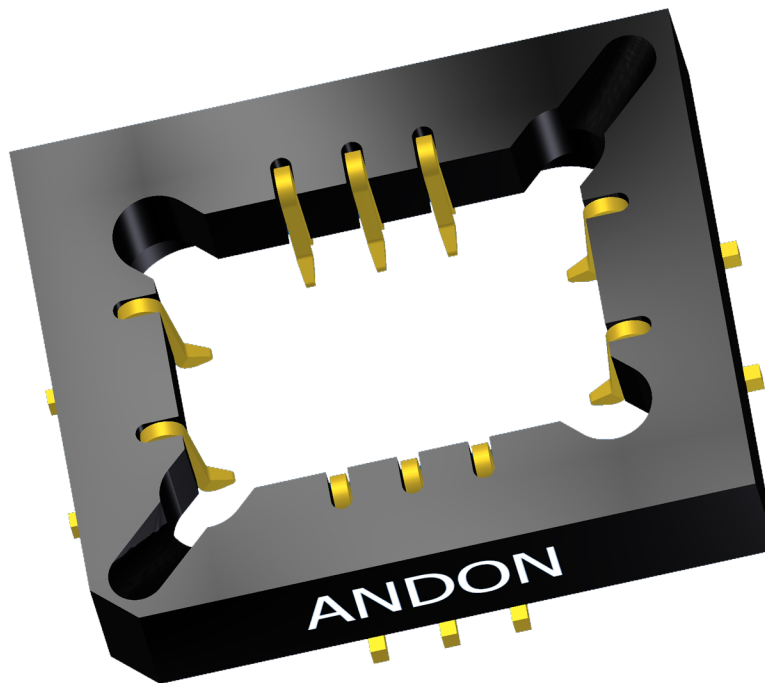


RoHS Compliant

HIGH RELIABILITY OPTOELECTRONIC SOCKETS FOR

Dexter

RESEARCH CENTER



Featuring Andon's Unique Senstac™ Contact

DEXTER RESEARCH CENTER, INC.						
DEXTER RESEARCH CENTER Model Number	Andon Part Number Replace "XXX" with Terminal Type	Terminal Type		Pin Ø [in]	Figure Number	Page Number
		Thru-Hole	Surface Mount			
ST60R MICRO-TO	R070-0404-01T-XXX-R27-L14	400T4	414T4	.012	1	2
ST60 MICRO-TO	R070-0404-01T-XXX-R27-L14	400T4	414T4	.012	1	2
S60M*TO-18	R100-0403-02T-XXX-R27-L14	75S	265S	.018	11	3
M14	R100-0403-02T-XXX-R27-L14	75S	265S	.018	11	3
S25*TO-18	R100-0403-02T-XXX-R27-L14	75S	265S	.018	11	3
ST60R LCC	620-08A-SM-G10-L14-X	-	-	-	3	2
ST60 LCC	620-08A-SM-G10-L14-X	-	-	-	3	2
ST60 TO-18	R100-0404-02T-XXX-R27-L14	75S	265S	.018	4	2
ST60R TO-18	R100-0404-02T-XXX-R27-L14	75S	265S	.018	4	2
MD-0005	R200-0404-01T-XXX-R27-L14	75S	265S	.018	5	3
MD-0007	R200-0404-01T-XXX-R27-L14	75S	265S	.018	5	3
MD-0003	R200-0404-01T-XXX-R27-L14	75S	265S	.018	5	3
MD-0006	R200-0404-01T-XXX-R27-L14	75S	265S	.018	5	3
MD-0008	R200-0404-01T-XXX-R27-L14	75S	265S	.018	5	3
ST150R	R200-0404-01T-XXX-R27-L14	75S	265S	.018	5	3
ST150	R200-0404-01T-XXX-R27-L14	75S	265S	.018	5	3
ST60R TO-5	R200-0404-01T-XXX-R27-L14	75S	265S	.018	5	3
ST60 TO-5	R200-0404-01T-XXX-R27-L14	75S	265S	.018	5	3
ST60 HIGH TEMP	R200-0404-01T-XXX-R27-L14	75S	265S	.018	5	3
M5	R200-0403-04T-XXX-R27-L14	01S	93S	.018	2	2
M34	R200-0403-04T-XXX-R27-L14	01S	93S	.018	2	2
DR34	R200-0403-04T-XXX-R27-L14	01S	93S	.018	2	2
1SC	R200-0403-04T-XXX-R27-L14	01S	93S	.018	2	2
1M	R200-0403-04T-XXX-R27-L14	01S	93S	.018	2	2
S60M*TO-5	R200-0403-04T-XXX-R27-L14	01S	93S	.018	2	2
S25*TO-5	R200-0403-04T-XXX-R27-L14	01S	93S	.018	2	2
DR34 COMPENSATED	R200-0403-04T-XXX-R27-L14	01S	93S	.018	2	2
ST150 DUAL	R200-0805-01T-XXX-R27-L14	75S	265S	.018	6	3
ST150R DUAL	R200-0805-01T-XXX-R27-L14	75S	265S	.018	6	3
ST120 DUAL	R200-0805-01T-XXX-R27-L14	75S	265S	.018	6	3
ST120 TO-5	R200-0805-01T-XXX-R27-L14	75S	265S	.018	6	3
DR26	R200-0805-01T-XXX-R27-L14	75S	265S	.018	6	3
ST60 DUAL	R200-0805-01T-XXX-R27-L14	75S	265S	.018	6	3
ST60R DUAL	R200-0805-01T-XXX-R27-L14	75S	265S	.018	6	3
ST60 QUAD	R200-0807-02T-XXX-R27-L14	75S	265S	.018	7	3
ST60R QUAD	R200-0807-02T-XXX-R27-L14	75S	265S	.018	7	3
ST120 QUAD	R200-0807-02T-XXX-R27-L14	75S	265S	.018	7	3
3M	R200-SP05-03T-XXX-R27-L14	75S	265S	.018	8	3
DR46 COMPENSATED	R200-SP05-03T-XXX-R27-L14	75S	265S	.018	8	3
10 CHANNEL	R400-SP12-02T-XXX-R27-L14	01S	93S	.018	9	3
2M QUAD	R400-SP12-02T-XXX-R27-L14	01S	93S	.018	9	3
T34 COMPENSATED	R400-SP12-02T-XXX-R27-L14	01S	93S	.018	9	3
TM34	R400-SP12-02T-XXX-R27-L14	01S	93S	.018	9	3
6M	R400-SP12-02T-XXX-R27-L14	01S	93S	.018	9	3
SLA32	575-12-26-038-XXX-R27-L14-HB	88S	93S	.018	10	3
DR34	R200-0805-01T-XXX-R27-L14	75S	265S	.018	6	3
M14 TO-18	R200-0403-04T-XXX-R27-L14	01S	93S	.018	2	2
DR46	R200-SP05-03T-XXX-R27-L14	75S	265S	.018	8	3
S25, TO-18	R100-0403-02T-XXX-R27-L14	75S	265S	.018	11	3
S60, TO-5	R200-0403-04T-XXX-R27-L14	01S	93S	.018	2	2
S60, TO-18	R200-0403-04T-XXX-R27-L14	01S	93S	.018	2	2
S60M, TO-5	R200-0403-04T-XXX-R27-L14	01S	93S	.018	2	2
ST60	R200-0404-01T-XXX-R27-L14	01S	93S	.018	5	3

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

DEXTER RESEARCH CENTER, INC.						
DEXTER RESEARCH CENTER Model Number	Andon Part Number Replace "XXX" with Terminal Type	Terminal Type		Pin Ø [in]	Figure Number	Page Number
		Thru-Hole	Surface Mount			
ST60 MICRO	R070-0404-01T-XXX-R27-L14	400T4	414T4	.012	1	2
ST60R MICRO	R070-0404-01T-XXX-R27-L14	400T4	414T4	.012	1	2
ST150, TO-5	R200-0404-01T-XXX-R27-L14	01S	93S	.018	1	2
ST150R, TO-5	R200-0404-01T-XXX-R27-L14	01S	93S	.018	1	2
ST150 QUAD	R400-SP12-02T-XXX-R27-L14	01S	93S	.018	9	3
ST150R QUAD	R400-SP12-02T-XXX-R27-L14	01S	93S	.018	9	3
T34	R400-SP12-02T-XXX-R27-L14	01S	93S	.018	9	3

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

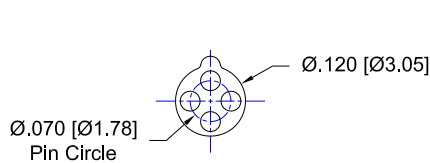


FIG: 1

Thru-Hole: R070-0404-01T-**400T4**-R27-L14
Surface Mount: R070-0404-01T-**414T4**-R27-L14

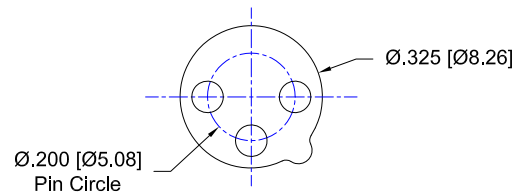


FIG: 2

Thru-Hole: R200-0403-04T-**75S**-R27-L14
Surface Mount: R200-0403-04T-**265S**-R27-L14

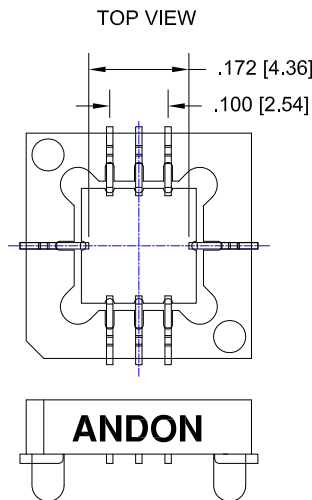
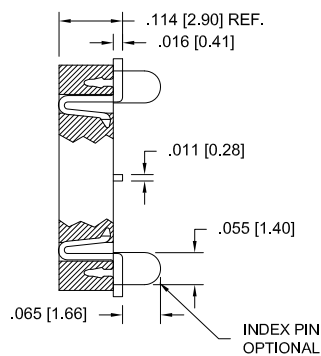


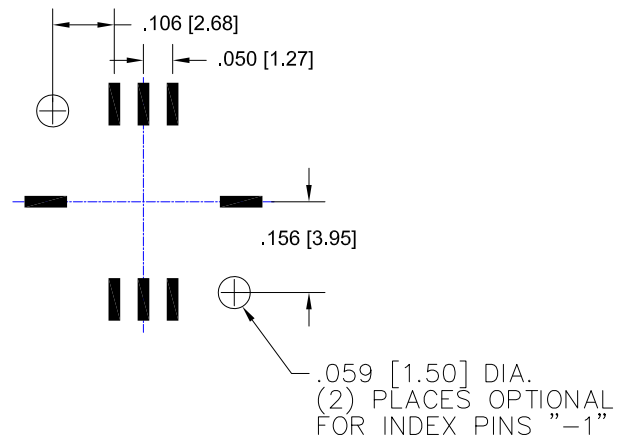
FIG: 3

Thru-Hole: N/A
Surface Mount: 620-08A-**SM**-G10-R14-X

SIDE VIEW



RECOMMENDED PCB LAYOUT



PATENTED

DEXTER RESEARCH CENTER, INC. *Continued*

Socket Terminal Details Cross Section View Shown Units: in [mm]

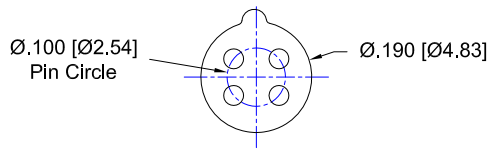


FIG: 4

Thru-Hole: R100-0404-02T-**75S**-R27-L14
Surface Mount: R100-0404-02T-**265S**-R27-L14

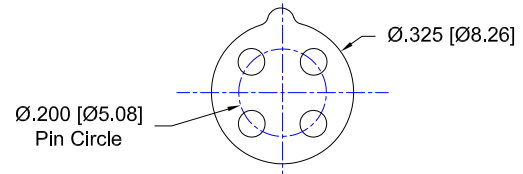


FIG: 5

Thru-Hole: R200-0404-01T-**75S**-R27-L14
Surface Mount: R200-0404-01T-**265S**-R27-L14

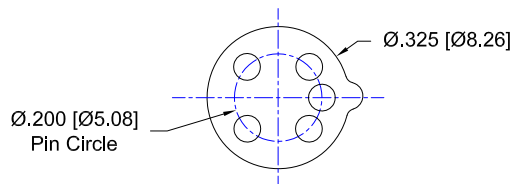


FIG: 6

Thru-Hole: R200-0805-01T-**75S**-R27-L14
Surface Mount: R200-0805-01T-**265S**-R27-L14

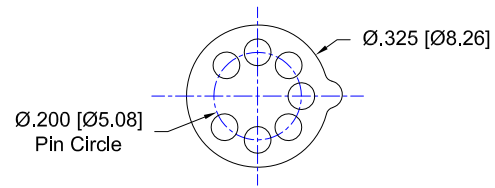


FIG: 7

Thru-Hole: R200-0807-02T-**75S**-R27-L14
Surface Mount: R200-0807-02T-**265S**-R27-L14

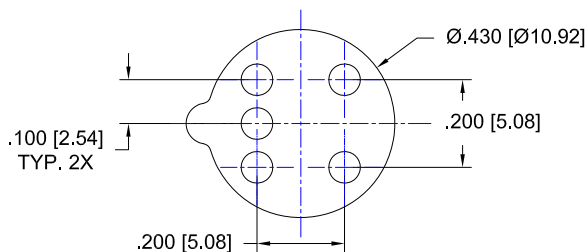


FIG: 8

Thru-Hole: R200-SP05-03T-**01S**-R27-L14
Surface Mount: R200-SP05-03T-**93S**-R27-L14

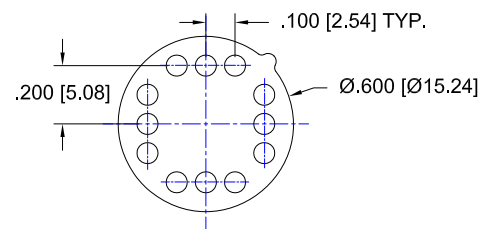


FIG: 9

Thru-Hole: R400-SP12-02T-**01S**-R27-L14
Surface Mount: R400-SP12-02T-**93S**-R27-L14

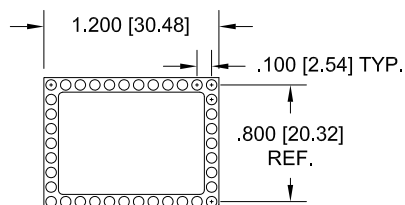


FIG: 10

Thru-Hole: 575-12-26-038-**88S**-R27-L14-HB
Surface Mount: 575-12-26-038-**93S**-R27-L14-HB

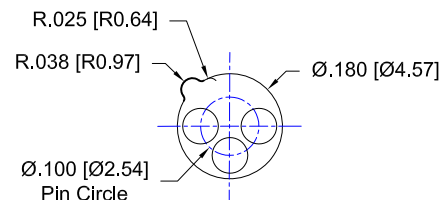


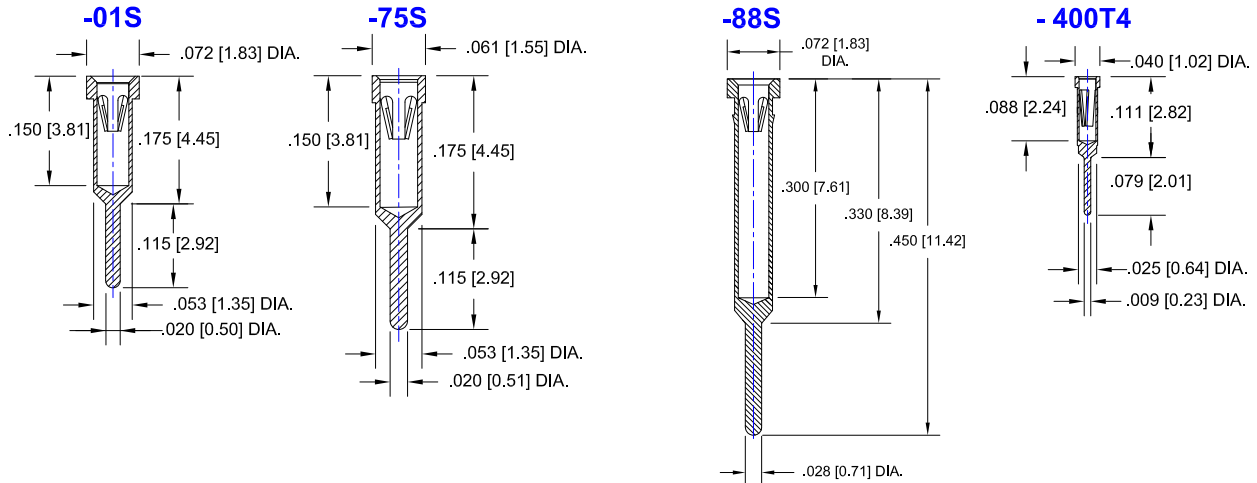
FIG: 11

Thru-Hole: R100-0403-02T-**75S**-R27-L14
Surface Mount: R100-0403-02T-**265S**-R27-L14

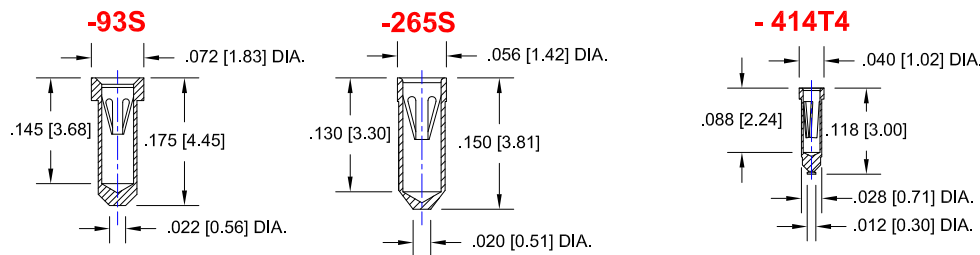
DEXTER RESEARCH CENTER, INC. *Continued*

Socket Terminal Details Cross Section View Shown Units: in [mm]

THRU HOLE OPTION



SURFACE MOUNT OPTION



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

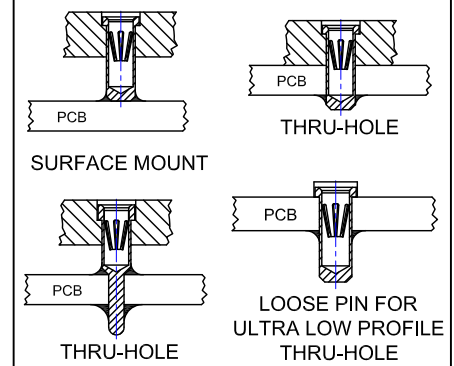
R17 TERMINAL: TIN / CONTACT: GOLD

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
-88S	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
-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	-384S	Ø.018 [Ø0.46]	9.0 oz Avg.	2.0 oz Min
-400T4	Ø.012 [Ø0.30]	1.1 oz Avg.	0.3 oz Min	-414T4	Ø.012 [Ø0.30]	1.1 oz Avg.	0.3 oz Min

MOUNTING OPTIONS



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"ANDON PROPRIETARY INFORMATION"

RoHS Compliant

*Sockets are not drawn to scale DEXTER RESEARCH 1/16/2018

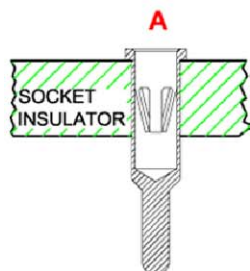
ANDON ELECTRONICS CORPORATION
 4 Court Drive, Lincoln RI 02865, United States of America

www.andonelectronics.com or www.andonelect.com

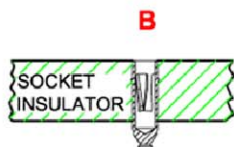
Phone 401-333-0388 Fax 401-333-0287

Email Info@andonelect.com

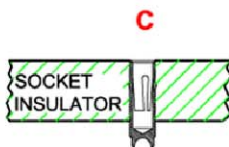
Mounting Options



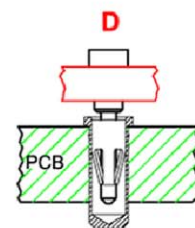
THRU-HOLE



SMD-FLAT FOOT



ROLLERBALL



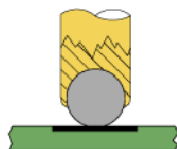
PCB FOR THRU-HOLE
INSULATOR FOR SMD

**CARRIER
WITH OR WITHOUT
SOLDER
WASHER**



**PIN SOCKET
BULK
WITH OR WITHOUT
SOLDER
WASHER**

ROLLERBALL® SOCKET



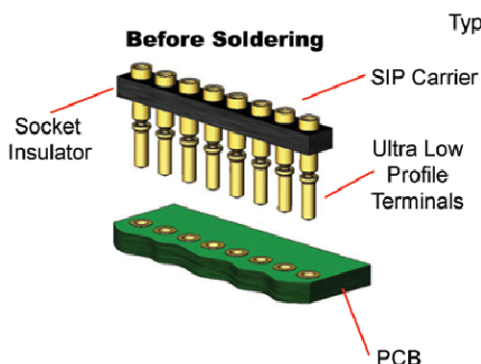
BEFORE SOLDERING

ROLLERBALL® SOCKET

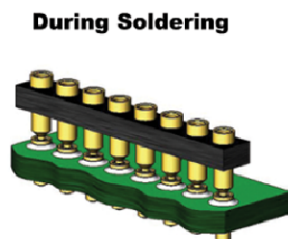


AFTER SOLDERING

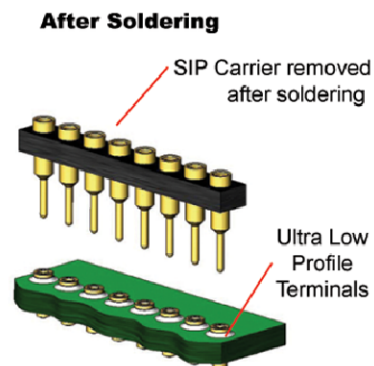
ULTRA LOW PROFILE SIP/DIP/PGA CARRIER ASSEMBLY



Type D



During Soldering



After Soldering

Available with or without solder washer