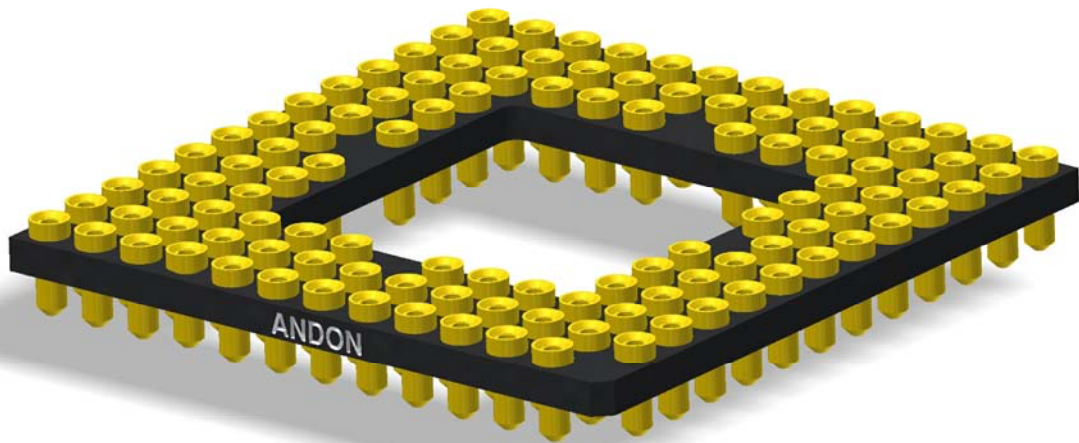




HIGH RELIABILITY IMAGE SENSOR SOCKETS FOR Andanta GmbH



Featuring Andon's Unique SenstacTM Contact

ANDANTA GMBH							
ANDANTA GMBH Model Number	Andon Part Number Replace "XXX" with Terminal Type	Terminal Type			Pin Ø [in]	Figure Number	Page Number
		Thru-Hole	Surface Mount	Rollerball®			
AND128 LT	IS229-718-XXX-R29-L14	01P28	93P28	-	.028	3	2
AND128 LTI	IS229-718-XXX-R29-L14	01P28	93P28	-	.028	3	2
AND128 LT SP0.5	IS229-718-XXX-R29-L14	01P28	93P28	-	.028	3	2
AND128 LTI SP0.5	IS229-718-XXX-R29-L14	01P28	93P28	-	.028	3	2
AND128 LT SP1.0	IS229-718-XXX-R29-L14	01P28	93P28	-	.028	3	2
AND128 LTI SP1.0	IS229-718-XXX-R29-L14	01P28	93P28	-	.028	3	2
AND256 LTI	IS229-718-XXX-R29-L14	01P28	93P28	-	.028	3	2
AND256 LTI SP0.5	IS229-718-XXX-R29-L14	01P28	93P28	-	.028	3	2
AND256 LTI SP1.0	IS229-718-XXX-R29-L14	01P28	93P28	-	.028	3	2
FPA-320x256-C	620-44-SM-G10-L14-X	-	-	-	-	1	1
FPA-320x256-K	IS229-828-XXX-R29-L14	88S	93S	-	.018	2	2
FPA-320x256-K-TE2	IS229-828-XXX-R29-L14	88S	93S	-	.018	2	2
FPA-320x256-KM	IS235-828-XXX-R29-L14	284K	315K	-	.018	4	2
FPA-320x256-K-2.2-TE2	IS229-828-XXX-R29-L14	88S	93S	-	.018	2	2
FPA-640x512	IS229-828-XXX-R29-L14	88S	93S	-	.018	2	2
FPA-640x512-KM	IS235-828-XXX-R29-L14	284K	315K	-	.018	4	2
FPA-640x512_P15-C	694-64-SM-G10-L14-X	-	-	-	-	13	4
FPA-640x512-TE2	IS229-828-XXX-R29-L14	88S	93S	-	.018	2	2
FPA-640x512-TEEx-50mm	IS229-828-XXX-R29-L14	88S	93S	-	.018	2	2
HIRES-CMOS0504	575-19-29A-263-XXX-R29-L14	01M	93M	RB338K	.018	6	2
HIRES-CMOS1205	IS229-100184-XXX-R29-L14	01M	93M	-	.018	7	2
IT-FR-08192-00-R	IS229-100161T-XXX-R29-L14	01M	93M	-	.018	5	2
LIN-CMOS 0204	694D-84-XX-XXX-R27-L14-1	TH-491	SM-500	-	-	12	4
SCI-CMOS 2016	10-15-15-112-XXX-R27-L14	400T4	414T4	RB501T4	.018	11	3
SCI-CMOS 2020/2011	575-19-28A-152-XXX-R27-L14	80M	93M	-	.018	10	3
SCI-CMOS 400	575-13-87-115-XXX-R27-L14	01M	93M	RB338K	.018	9	3
SCI-CMOS 400BSI	575-13-87-115-XXX-R27-L14	01M	93M	RB338K	.018	9	3
SCI-CMOS 4040	575-20-21A-140-XXX-R27-L14	01M	93M	RB338K	.018	8	3
SCI-CMOS 5130	10-29-22-249-XXX-R29-L14	400T4	414T4	RB501T4	.018	14	4

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

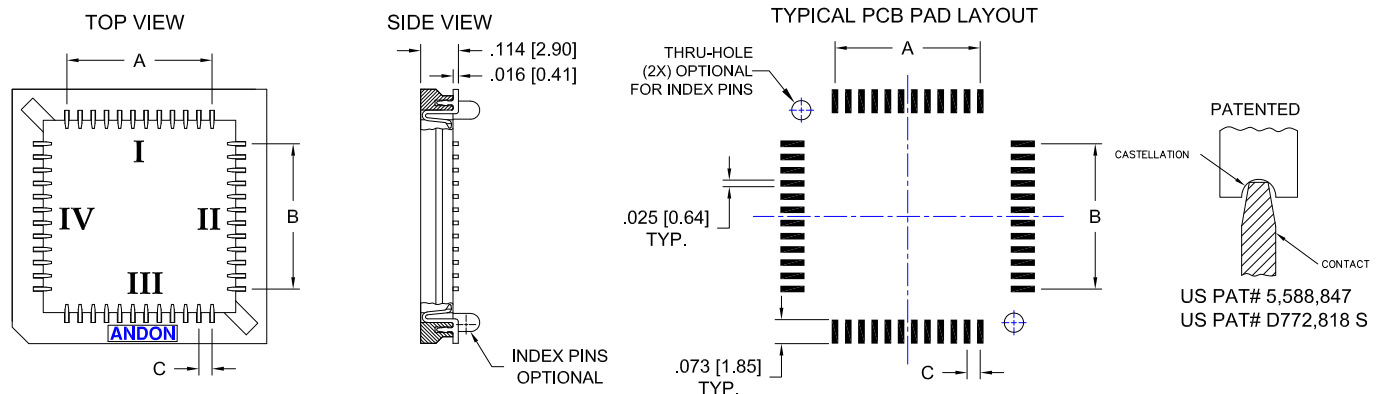


Fig. 1

Andon Part Number	Figure Number	Pin QTY.	A	B	C	Number of Pins (per side)			
						I	II	III	IV
620-44-SM-G10-L14-X	1	44	.500 (12.70)	.500 (12.70)	.050 (1.27)	11	11	11	11

Replace "-X" with "-1" for index pins or "-0" for none

ANDANTA GMBH *Continued* Image Sensor Socket Footprints

Units: in [mm]

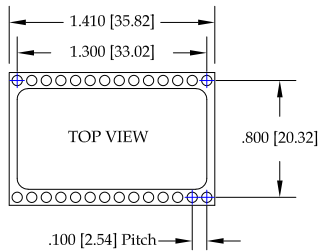


Fig. 2

Thru-Hole: IS229-828-88S-R29-L14
Surface Mount: IS229-828-93S-R29-L14

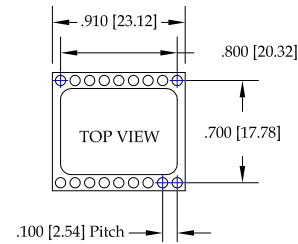


Fig. 3

Thru-Hole: IS229-718-01P28-R29-L14
Surface Mount: IS229-718-93P28-R29-L14

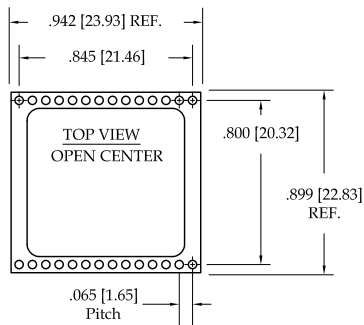


Fig. 4

Thru-Hole: IS235-828-284K-R29-L14
Surface Mount: IS235-828-315K-R29-L14

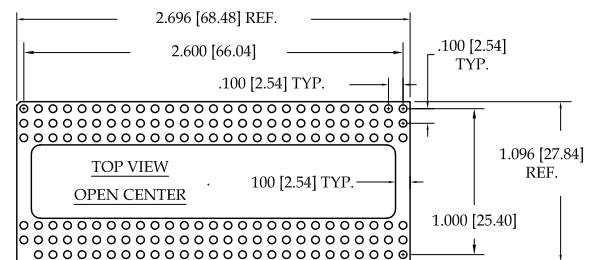


Fig. 5

Thru-Hole: IS229-100161T-01M-R29-L14
Surface Mount: IS229-100161T-93M-R29-L14

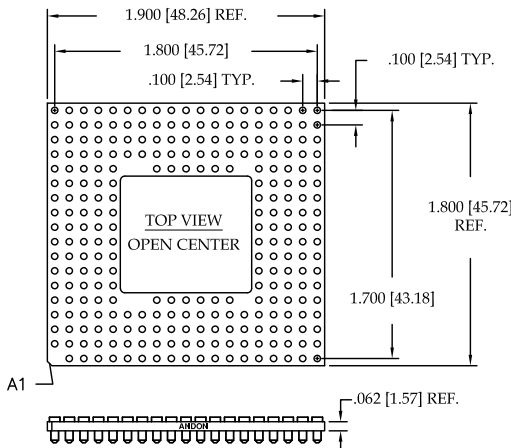


Fig. 6

Thru-Hole: 575-19-29A-263-01M-R29-L14
Surface Mount: 575-19-29A-263-93M-R29-L14
Rollerball®: 575-19-29A-263-RB338K-R29-L14

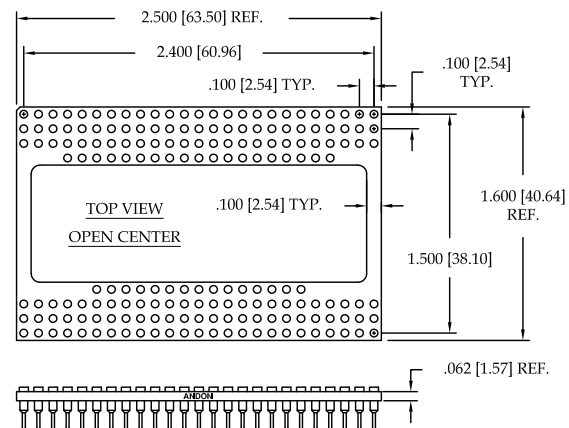


Fig. 7

Thru-Hole: IS229-100184-01M-R29-L14
Surface Mount: IS229-100184-93M-R29-L14

ANDANTA GMBH *Continued* Image Sensor Socket Footprints

Units: in [mm]

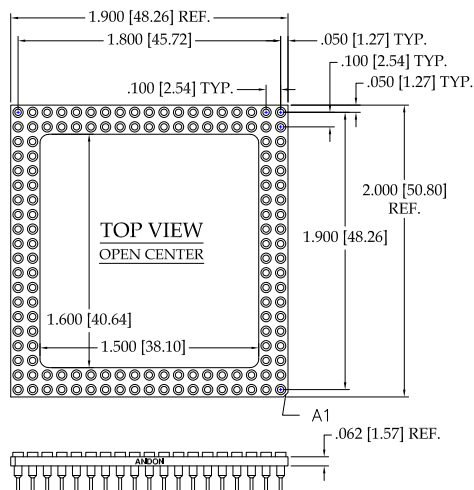


Fig. 8

Thru-Hole: 575-20-21A-140-01M-R27-L14
Surface Mount: 575-20-21A-140-93M-R27-L14
Rollerball®: 575-20-21A-140-RB338K-R27-L14

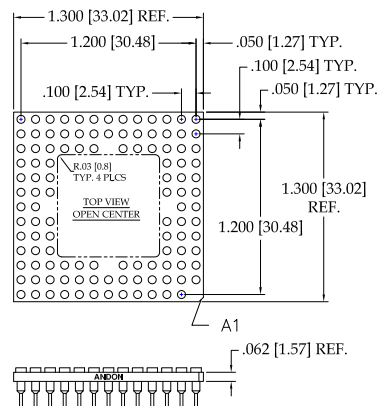


Fig. 9

Thru-Hole: 575-13-87-115-01M-R27-L14
Surface Mount: 575-13-87-115-93M-R27-L14
Rollerball®: 575-13-87-115-RB338K-R27-L14
WITH OPTIONAL WINDOW
Thru-Hole: 575-13-87A-115-01M-R27-L14
Surface Mount: 575-13-87A-115-93M-R27-L14
Rollerball®: 575-13-87A-115-RB338K-R27-L14

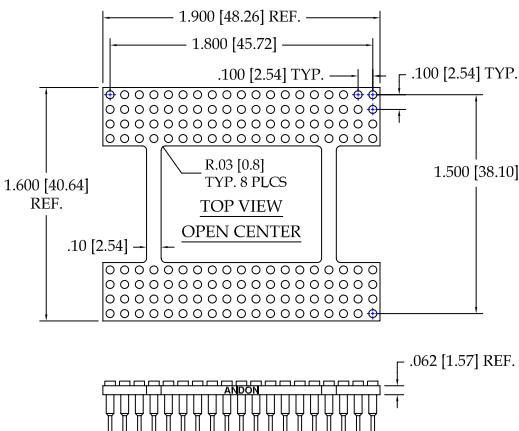


Fig. 10

Thru-Hole: 575-19-28A-152-80M-R27-L14
Surface Mount: 575-19-28A-152-93M-R27-L14

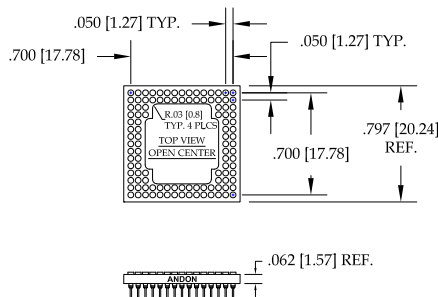


Fig. 11

Thru-Hole: 10-15-15-112-400T4-R27-L14
Surface Mount: 10-15-15-112-414T4-R27-L14
Rollerball®: 10-15-15-112-RB501T4-R27-L14

ANDANTA GMBH *Continued* Image Sensor Socket Footprints

Units: in [mm]

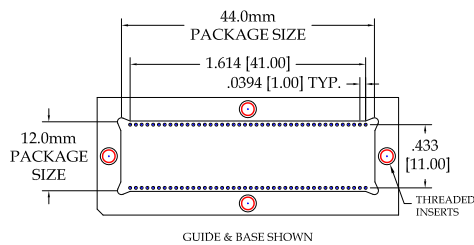


Fig. 12

Thru-Hole: 694D-84-TH-491-R27-L14-1
Surface Mount: 694D-84-SM-500-R27-L14-1

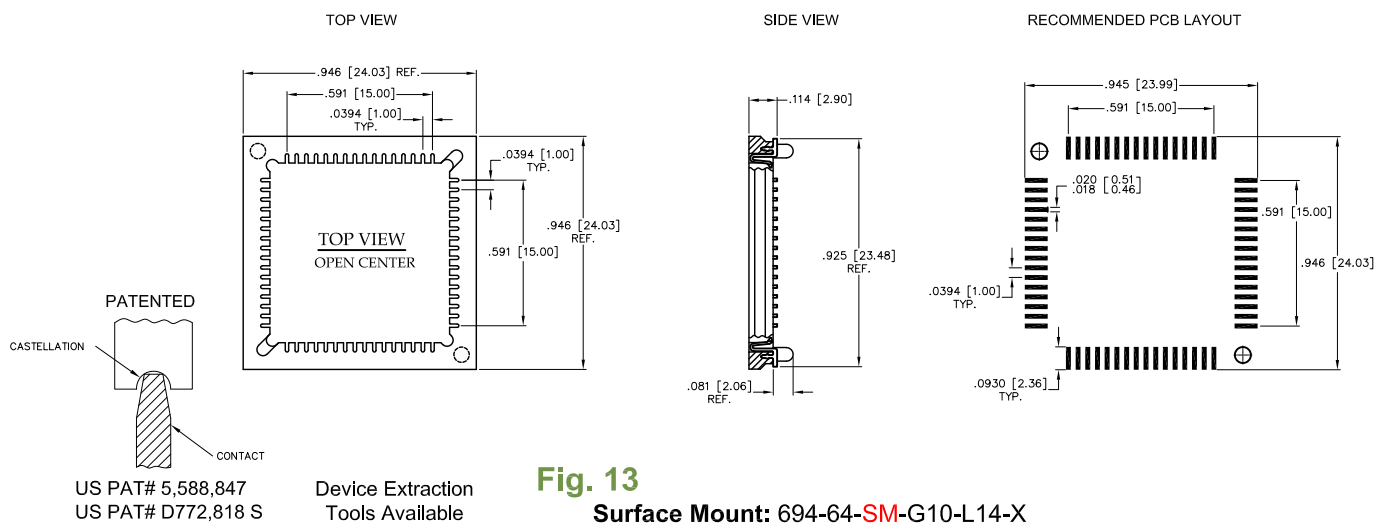


Fig. 13

Surface Mount: 694-64-SM-G10-L14-X

Replace "-X" with "-1" for index pins or "-0" for none

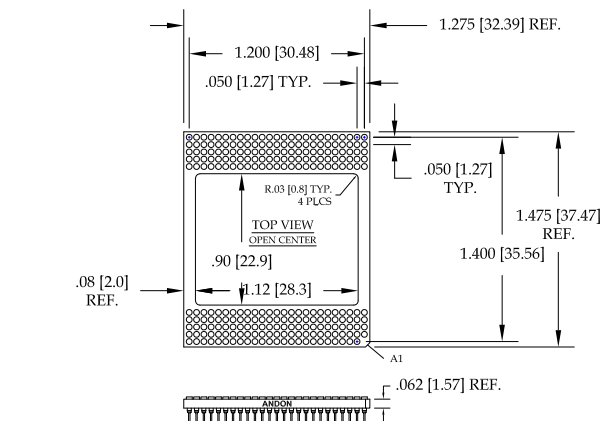


Fig. 14

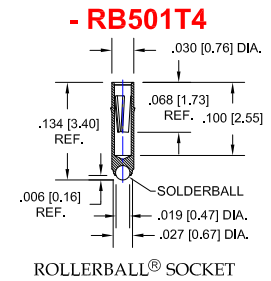
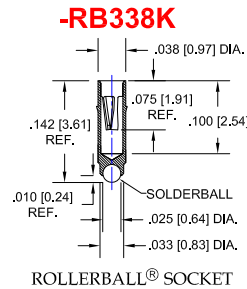
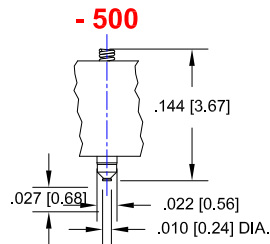
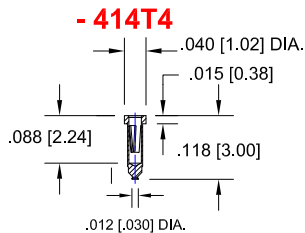
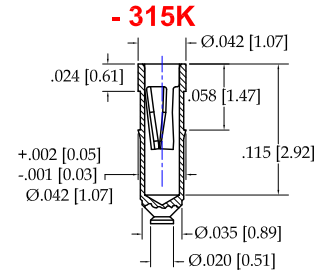
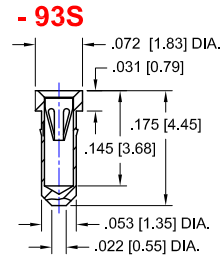
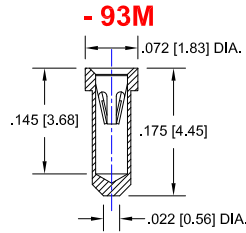
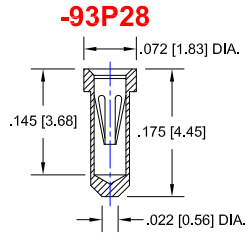
Thru-Hole: 10-29-22-249-400T4-R29-L14
Surface Mount: 10-29-22-249-414T4-R29-L14
Rollerball®: 10-29-22-249-RB501T4-R29-L14

ANDANTA GMBH Continued

Image Sensor Terminal Options

Units: in [mm]

SURFACE MOUNT OPTION



U.S. PATENT # 6,352,437
CANADIAN PATENT # 2,388,520

U.S. PATENT # 6,352,437
CANADIAN PATENT # 2,388,520

Technical Information

Material:

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

Plating: RoHS COMPLIANT

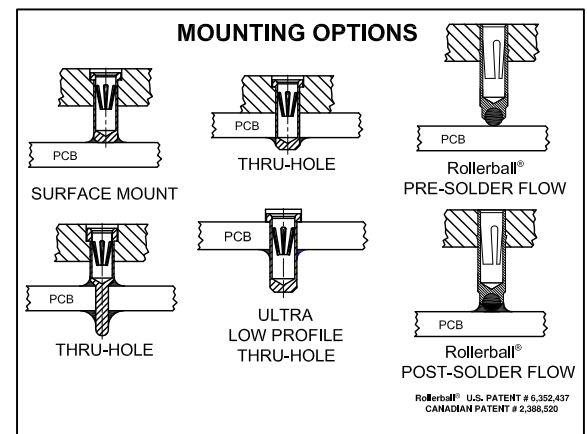
R27 TERMINAL: GOLD / CONTACT: GOLD

R29 TERMINAL: MATTE TIN / 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
-400T4	Ø.012 [Ø0.30]	1.1 oz Max	0.3 oz Min	-414T4	Ø.012 [Ø0.30]	1.1 oz Max	0.3 oz Min
-01M	Ø.018 [Ø0.46]	1.6 oz Max	0.5 oz Min	-93M	Ø.018 [Ø0.46]	1.6 oz Max	0.5 oz Min
-80M	Ø.018 [Ø0.46]	1.6 oz Max	0.5 oz Min	-93S	Ø.018 [Ø0.46]	1.6 oz Max	0.5 oz Min
-88S	Ø.018 [Ø0.46]	9.0 oz Max	2.0 oz Min	-93P28	Ø.028 [Ø0.71]	0.7 oz Max	0.35 oz Min
-491	-	-	-	-500	-	-	-
-284K	Ø.018 [Ø0.46]	1.6 oz Max	0.5 oz Min	-RB338K	Ø.018 [Ø0.46]	1.6 oz Max	0.5 oz Min
				-RB501T4	Ø.012 [Ø0.30]	1.1 oz Max	0.3 oz Min



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"ANDON PROPRIETARY INFORMATION"
RoHS Compliant

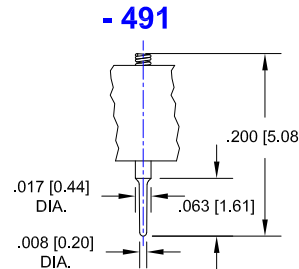
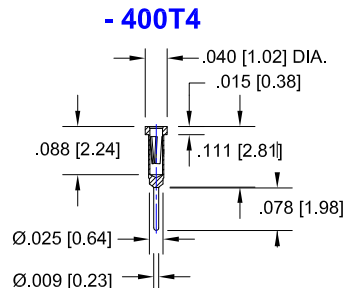
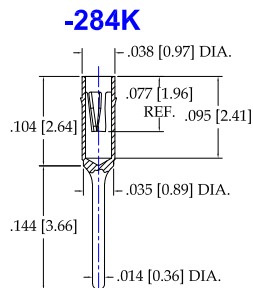
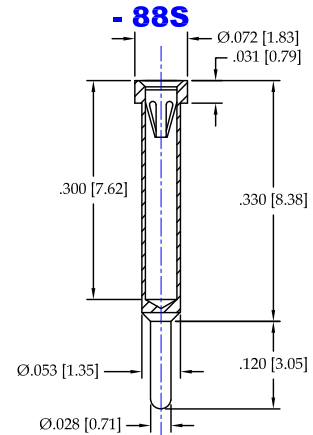
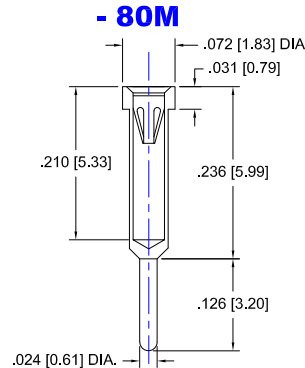
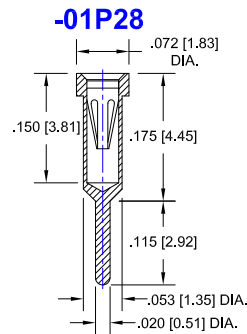
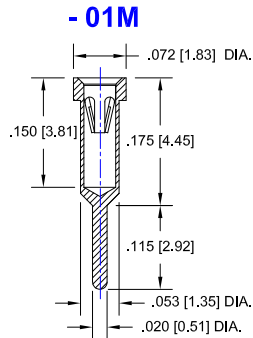
*Sockets are not drawn to scale ANDANTA GMBH 11/19/2018

ANDANTA GMBH *Continued*

Image Sensor Terminal Options

Units: in [mm]

THRU HOLE OPTION



Technical Information

Material:

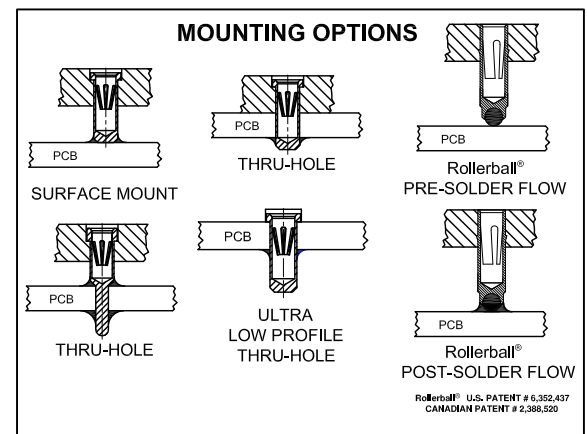
Insulator: Hi-Temp UL 94V-O
Terminal: Brass, per ASTM-B16
Contact: BeCu, Per ASTM-B194

Plating: RoHS COMPLIANT

R27 TERMINAL: GOLD / CONTACT: GOLD
R29 TERMINAL: MATTE TIN / CONTACT: GOLD
R32 TERMINAL: MATTE TIN / CONTACT: TIN

OTHER PLATINGS AVAILABLE

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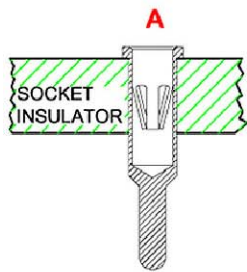


"ANDON PROPRIETARY INFORMATION"

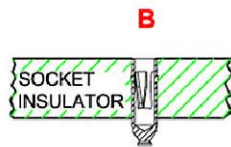
RoHS Compliant

*Sockets are not drawn to scale ANDANTA GMBH 11/19/2018

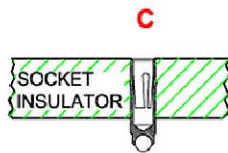
Mounting Options



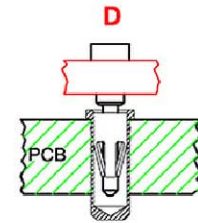
THRU-HOLE



SMD-FLAT FOOT



ROLLERBALL



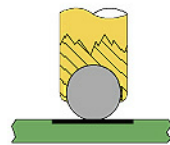
PCB FOR THRU-HOLE
INSULATOR FOR SMD

**CARRIER
WITH OR WITHOUT
SOLDER
WASHER**



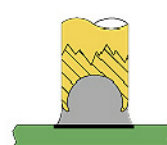
**PIN SOCKET
BULK
WITH OR WITHOUT
SOLDER
WASHER**

**ROLLERBALL®
SOCKET**



BEFORE SOLDERING

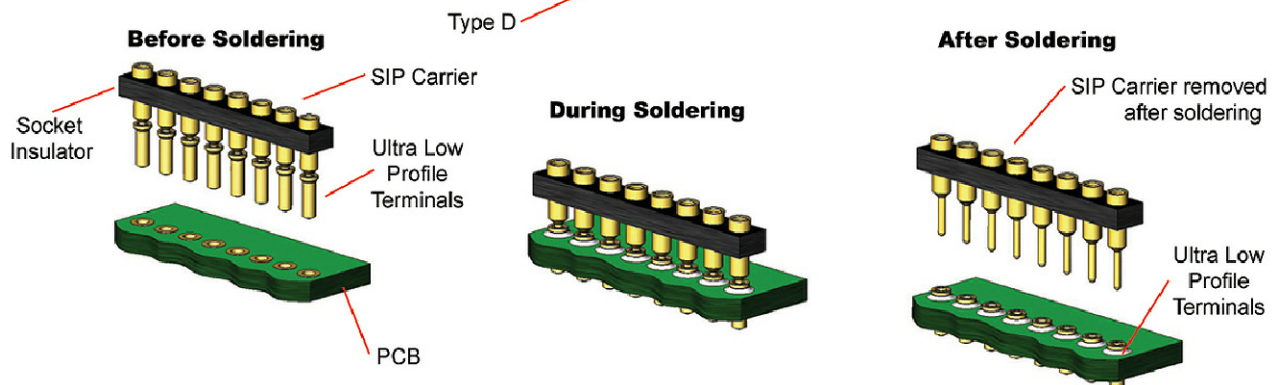
**ROLLERBALL®
SOCKET**



AFTER SOLDERING

U.S. PATENT # 6,352,437
CANADIAN PATENT # 2,388,520

ULTRA LOW PROFILE SIP/DIP/PGA CARRIER ASSEMBLY



Available with or without solder washer