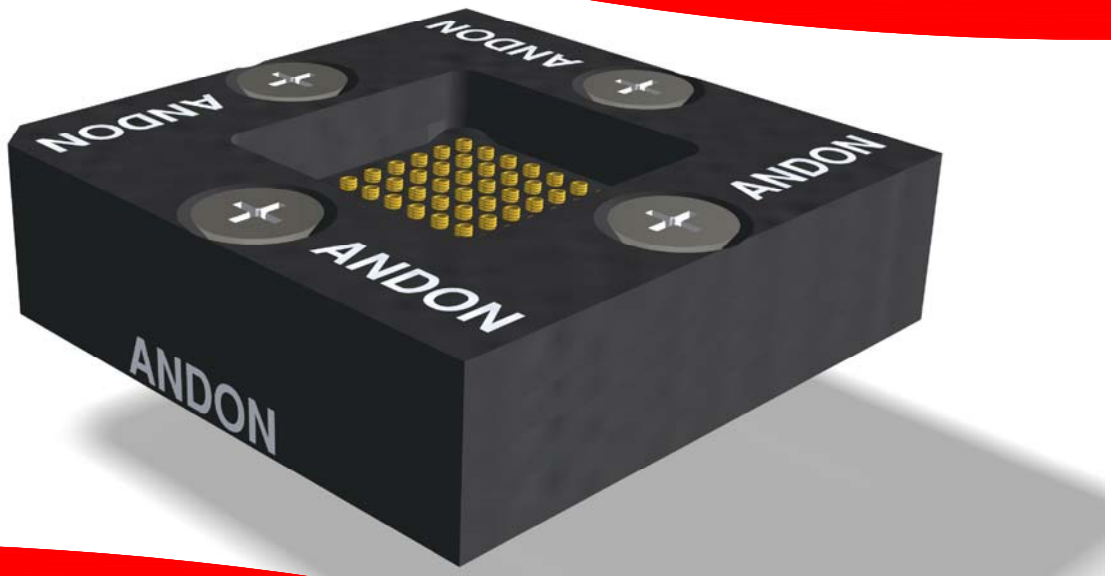
ANDON
INTERCONNECTION SPECIALISTS

High-Reliability Image Sensor Sockets for Pyxalis

pyxalis
Your Image Sensor Solution



Featuring Andon's Unique Senstac™ Contact

PYXALIS						
PYXALIS Model Number	**Andon Part Number** Replace "XXX" with Terminal Type	**Terminal Type** Thru-Hole	Surface Mount	**Pin Ø [in]**	**Figure Number**	**Page Number**
HDPYX 130	17-10-01-100-XXX-R27-L14 (w/adapter)	437T	329T	-	3	1
	OR					
	685-100-XX-XXX-R27-L14-1 (w/cover & screws)	TH-491	SM-500	-	4	2
HDPYX 160	17-10-01-100-XXX-R27-L14 (w/adapter)	437T	329T	-	3	1
	OR					
	685-100-XX-XXX-R27-L14-1 (w/cover & screws)	TH-491	SM-500	-	4	2
HDPYX 230	17-12-08-104-XXX-R27-L14 (w/adapter)	437T	329T	-	2	1
	OR					
	685-104-XX-XXX-R27-L14-1 (w/cover & screws)	TH-491	SM-500	-	5	2
HDPYX 300	575-13-89-077-XXX-R27-L14	01M	93M	-	1	1

See last page for other mounting types including low profile options.

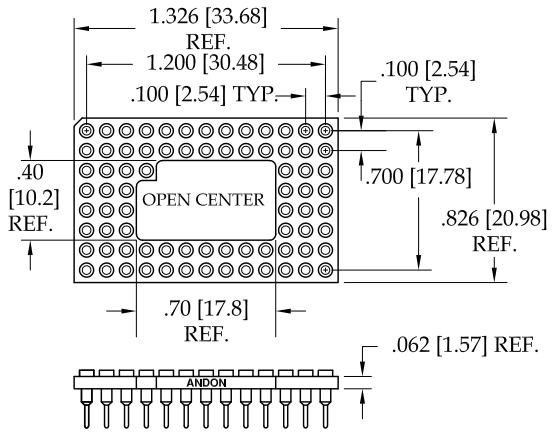


Fig. 01 77 Pins

Thru-Hole: 575-13-89-077-01M-R27-L14
Surface Mount: 575-13-89-077-93M-R27-L14

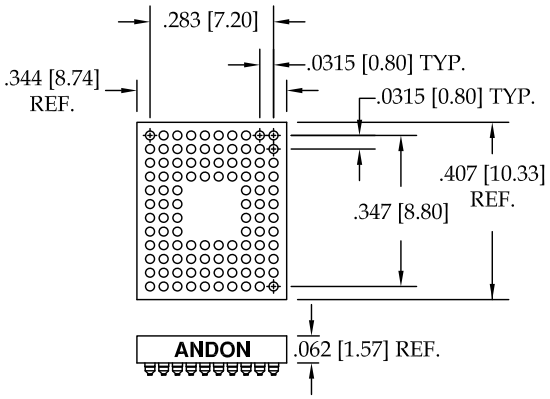


Fig. 02 104 Pins

Thru-Hole: 17-12-08-104-437T-R27-L14
Surface Mount: 17-12-08-104-329T-R27-L14
Adapter: 17-12-08-104-321-G10-L14

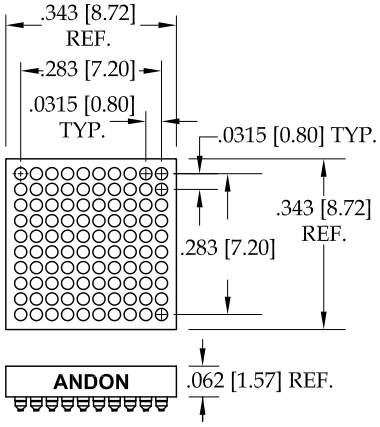


Fig. 03 100 Pins

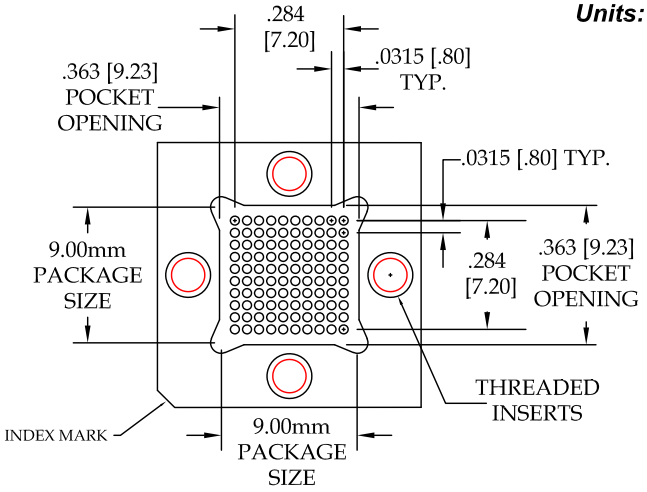
Thru-Hole: 17-10-01-100-437T-R27-L14
Surface Mount: 17-10-01-100-329T-R27-L14
Adapter: 17-10-01-100-321-G10-L14

RoHS Compliant
Andon Proprietary Information
*Sockets are not drawn to scale **PYXALIS** 12/10/2019

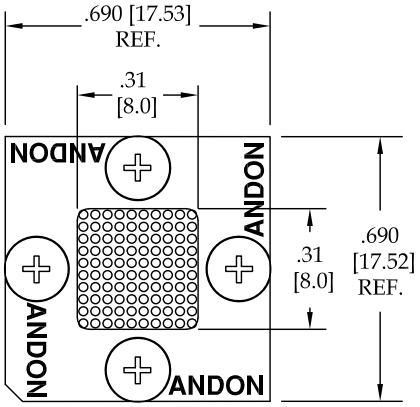
Pyxalis *Continued*

Image Sensor Socket Footprints

Units: in [mm]



GUIDE & BASE SHOWN



COVER & HARDWARE SHOWN

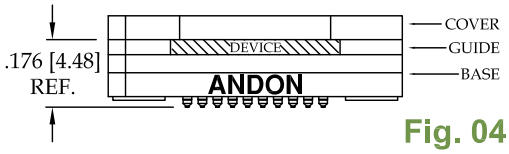
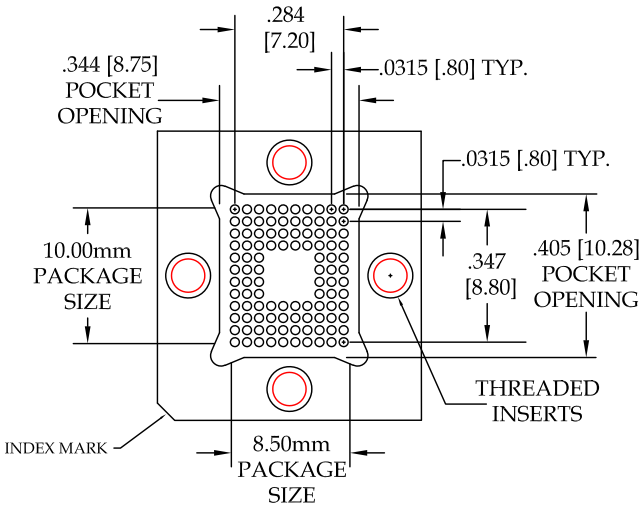
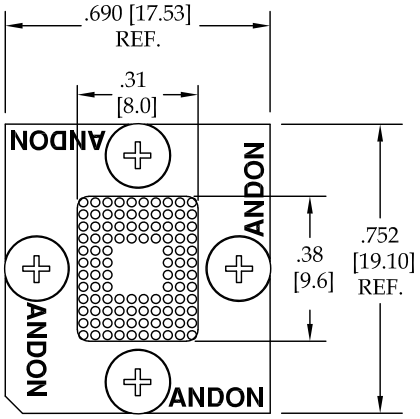


Fig. 04 100 Pins

Thru-Hole: 685-100-TH-491-R27-L14-1
Surface Mount: 685-100-SM-500-R27-L14-1



GUIDE & BASE SHOWN



COVER & HARDWARE SHOWN

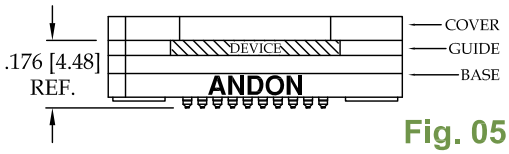


Fig. 05 104 Pins

Thru-Hole: 685-104-TH-491-R27-L14-1
Surface Mount: 685-104-SM-500-R27-L14-1

RoHS Compliant
Andon Proprietary Information
*Sockets are not drawn to scale **PYXALIS** 12/10/2019

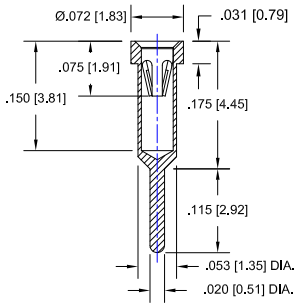
Pyxalis *Continued*

Image Sensor Terminal Options

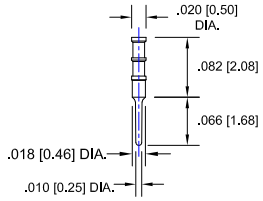
Units: in [mm]

THRU HOLE OPTION

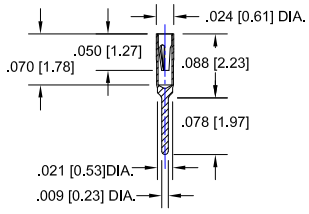
-01M



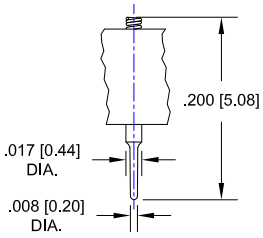
- 321



- 437T

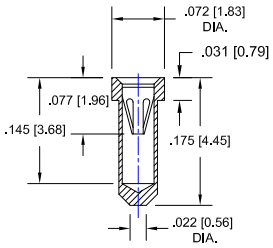


TH-491

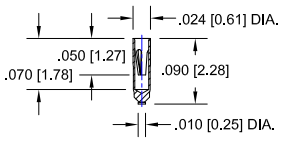


SURFACE MOUNT OPTION

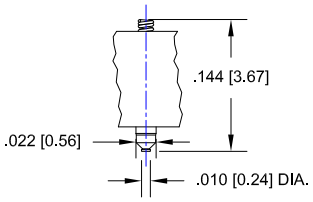
-93M



- 329T

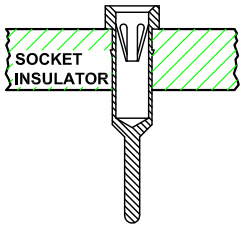


SM-500



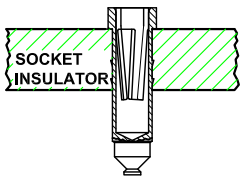
Socket Mounting Options

A



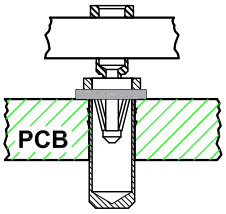
THRU-HOLE

B



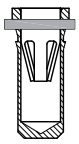
SURFACE MOUNT FLAT FOOT

D



CARRIER ASSEMBLY WITH OR WITHOUT SOLDER WASHER

E



INDIVIDUAL PIN SOCKET WITH OR WITHOUT SOLDER WASHER

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
-437T	Ø.018 [Ø0.46]	1.24 oz Max	0.50 oz Min	-329T	Ø.018 [Ø0.46]	1.24 oz Max	0.50 oz Min
-01M	Ø.018 [Ø0.46]	1.60 oz Max	0.50 oz Min	-93M	Ø.018 [Ø0.46]	1.60 oz Max	0.50 oz Min
-491	-	-	-	-500	-	-	-

Technical Information

Plating: RoHS COMPLIANT

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

OTHER PLATINGS AVAILABLE

Material:

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

RoHS Compliant

Andon Proprietary Information

*Sockets are not drawn to scale **PYXALIS** 12/10/2019

ANDON INTERCONNECTION SPECIALISTS Carrier Assemblies

CERTIFIED ISO 9001 COMPANY

ala advancing VISION+IMAGING MEMBER

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

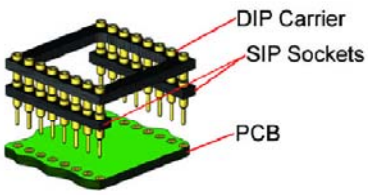
Phase 1: Receive Carrier Assemblies designed to your pin layout.

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

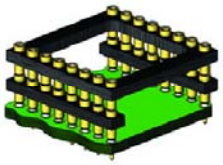
Phase 3: Remove carrier and plug in your device; discard carrier or send back to our factory for reloading.

DIP

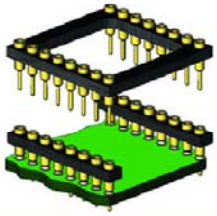
Before Soldering



During Soldering

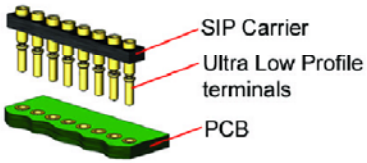


After Soldering

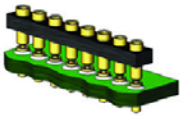


ULTRA-LOW PROFILE SIP

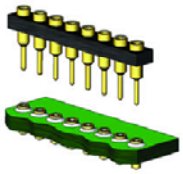
Before Soldering



During Soldering

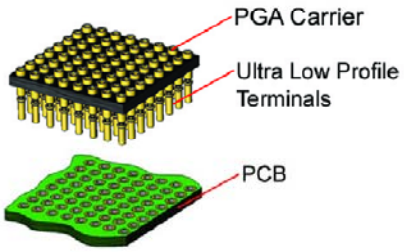


After Soldering

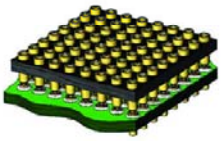


ULTRA-LOW PROFILE PGA

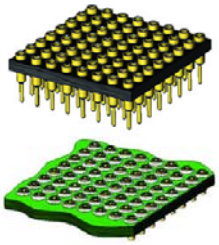
Before Soldering



During Soldering

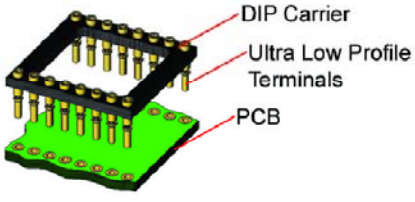


After Soldering

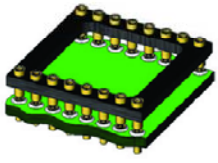


ULTRA LOW PROFILE DIP

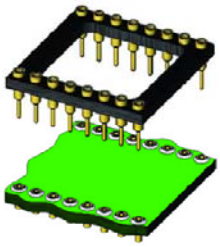
Before Soldering



During Soldering



After Soldering



RoHS Compliant

Andon Proprietary Information

*Sockets are not drawn to scale **PYXALIS** 12/10/2019

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