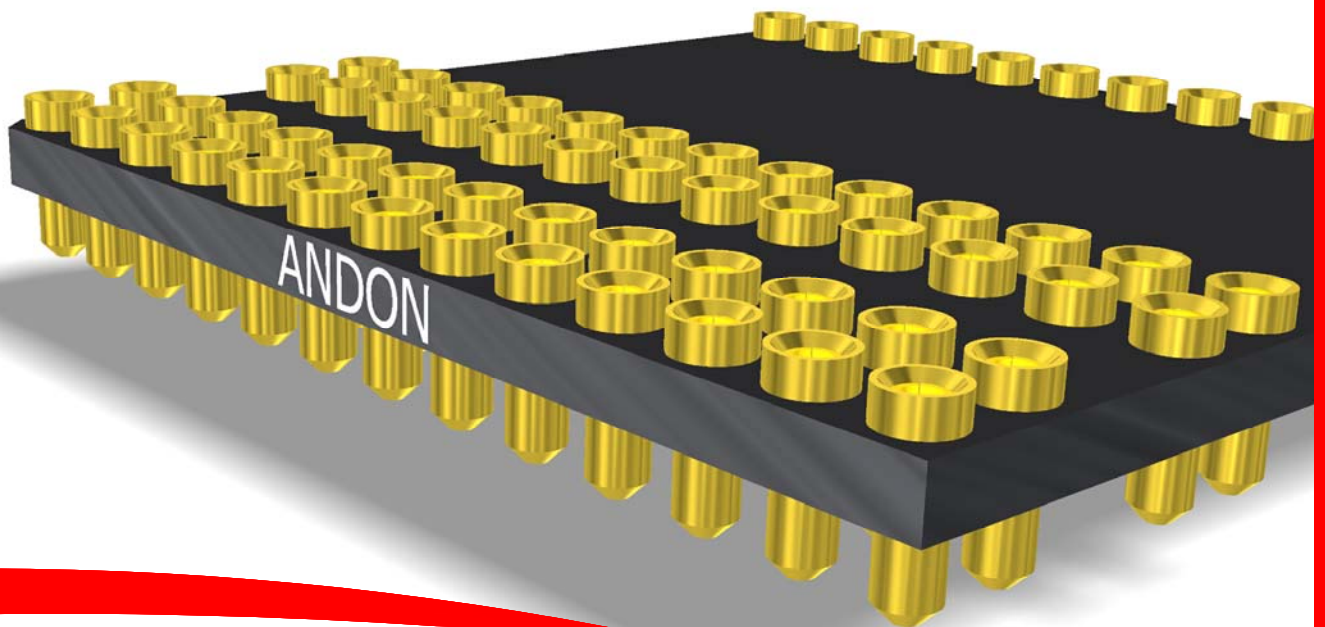


**HIGH RELIABILITY
IMAGE SENSOR SOCKETS FOR
ams (formerly CMOSIS)**



Featuring Andon's Unique SenstacTM Contact

AMS							
ams Part Number	Andon Part Number Replace "XXX" with Terminal Type	Terminal Type			Pin Ø [in]	Figure Number	Page Number
		Thru-Hole	Surface Mount	Rollerball®			
CHR71000	575-13-85-065-XXX-R27-L14	01M	93M	RB338K	.018	5	2
CMV300 (ADAPTER)	17-08-08-058-321-G10-L14	-	-	-	-	2	1
CMV300 (SOCKET)	17-08-08-058-XXX-R27-L14	437T	329T	-	.010	2	1
CMV2000 (PGA)	10-12-06-095-XXX-R27-S14	400T4	414T4	RB501T4	.012	1	1
CMV4000 (PGA)	10-12-06-095-XXX-R27-S14	400T4	414T4	RB501T4	.012	1	1
CMV8000	IS232-848107T-XXX-R27-L14	400T4	414T4	RB501T4	.012	6	2
CMV12000	10-30-07-237-XXX-R27-L14	400T4	414T4	RB501T4	.012	3	2
CMV20000	575-18-38-143-XXX-R27-L14	01M	93M	RB338K	.018	4	2
CMV50000	575-20-19A-141-XXX-R27-L14	01M	93M	RB338K	.018	10	5
CSG8K	694-150-XX-XXX-R27-L14-1	TH-431	SM-500	SM-RB593	-	11	5
CSG14K	694-150-XX-XXX-R27-L14-1	TH-431	SM-500	SM-RB593	-	11	5
DR-2K-7LCC	690-90-SM-G10-L14-X	-	-	-	-	7	3
DR-2X2K-7LCC	690-90-SM-G10-L14-X	-	-	-	-	7	3
DR-4K-3.5LCC	690-90-SM-G10-L14-X	-	-	-	-	7	3
XF-2336	10-26-28-281-XXX-R27-L14	400T4	414T4	RB501T4	.012	9	5
XF-768	620-44-SM-G10-L14-X	-	-	-	-	8	4

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

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

Device Extraction
Tools Available

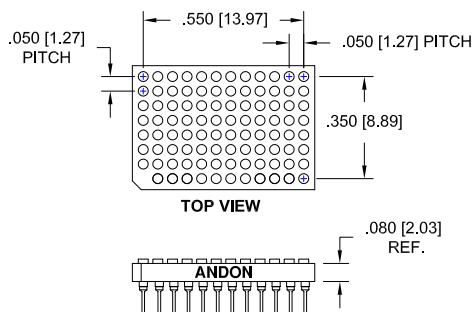


Fig. 1

Thru-Hole: 10-12-06-095-400T4-R27-S14
Surface Mount: 10-12-06-095-414T4-R27-S14
Rollerball® : 10-12-06-095-RB501T4-R27-S14

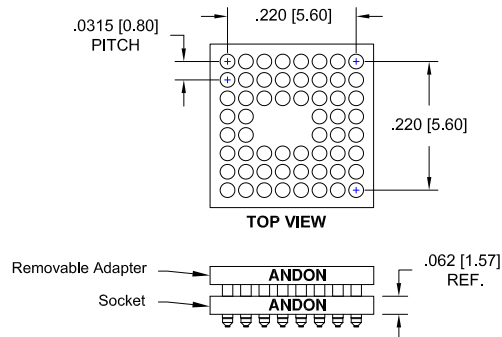


Fig. 2

Thru-Hole: 17-08-08-058-437T-R27-L14
Surface Mount: 17-08-08-058-329T-R27-L14
Adapter: 17-08-08-058-321-G10-L14

ams (formerly CMOSIS) Continued

Image Sensor Socket Footprints

Units: in [mm]

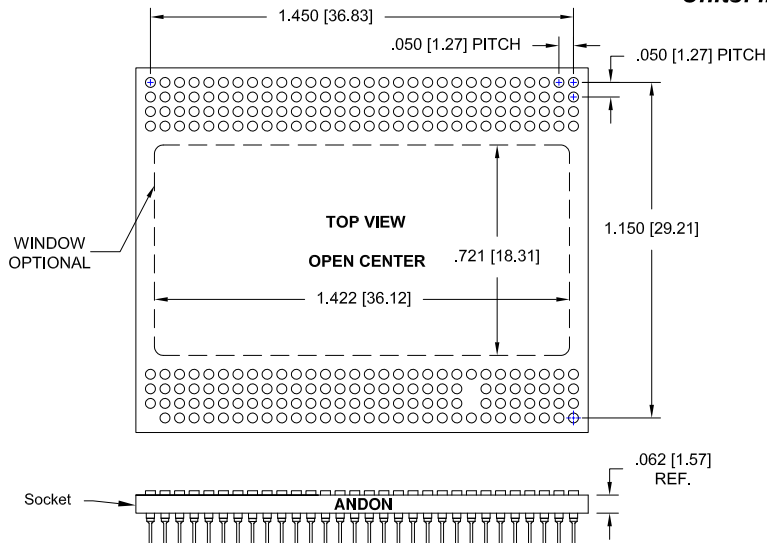


Fig. 3

Thru-Hole: 10-30-07-237-**400T4**-R27-L14
 Surface Mount: 10-30-07-237-**414T4**-R27-L14
 Rollerball® : 10-30-07-237-**RB501T4**-R27-L14
 PART NUMBER WITH OPTIONAL WINDOW
 Thru-Hole: 10-30-07A-237-**400T4**-R27-L14 (With Window)
 Surface Mount: 10-30-07A-237-**414T4**-R27-L14 (With Window)
 Rollerball® : 10-30-07A-237-**RB501T4**-R27-L14 (With Window)

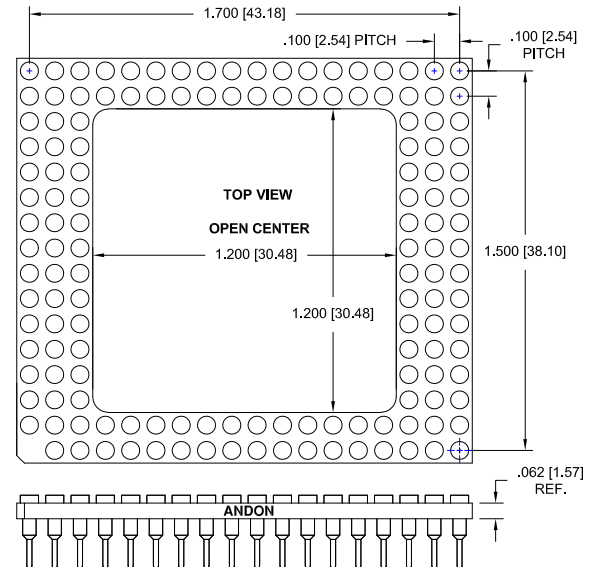


Fig. 4

Thru-Hole: 575-18-38-143-**01M**-R27-L14
 Surface Mount: 575-18-38-143-**93M**-R27-L14
 Rollerball® : 575-18-38-143-**RB338K**-R27-L14

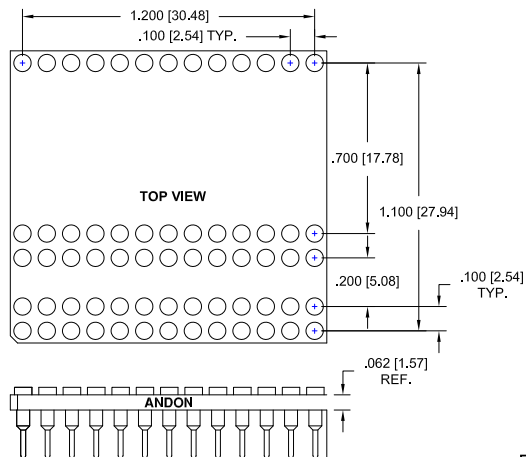


Fig. 5

Thru-Hole: 575-13-85-065-**01M**-R27-L14
 Surface Mount: 575-13-85-065-**93M**-R27-L14
 Rollerball® : 575-13-85-065-**RB338K**-R27-L14

Device Extraction
Tools Available

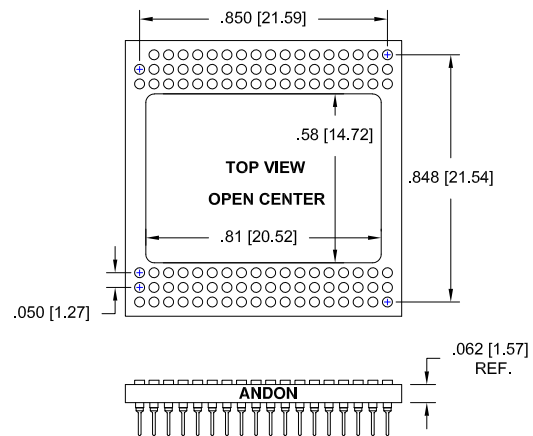


Fig. 6

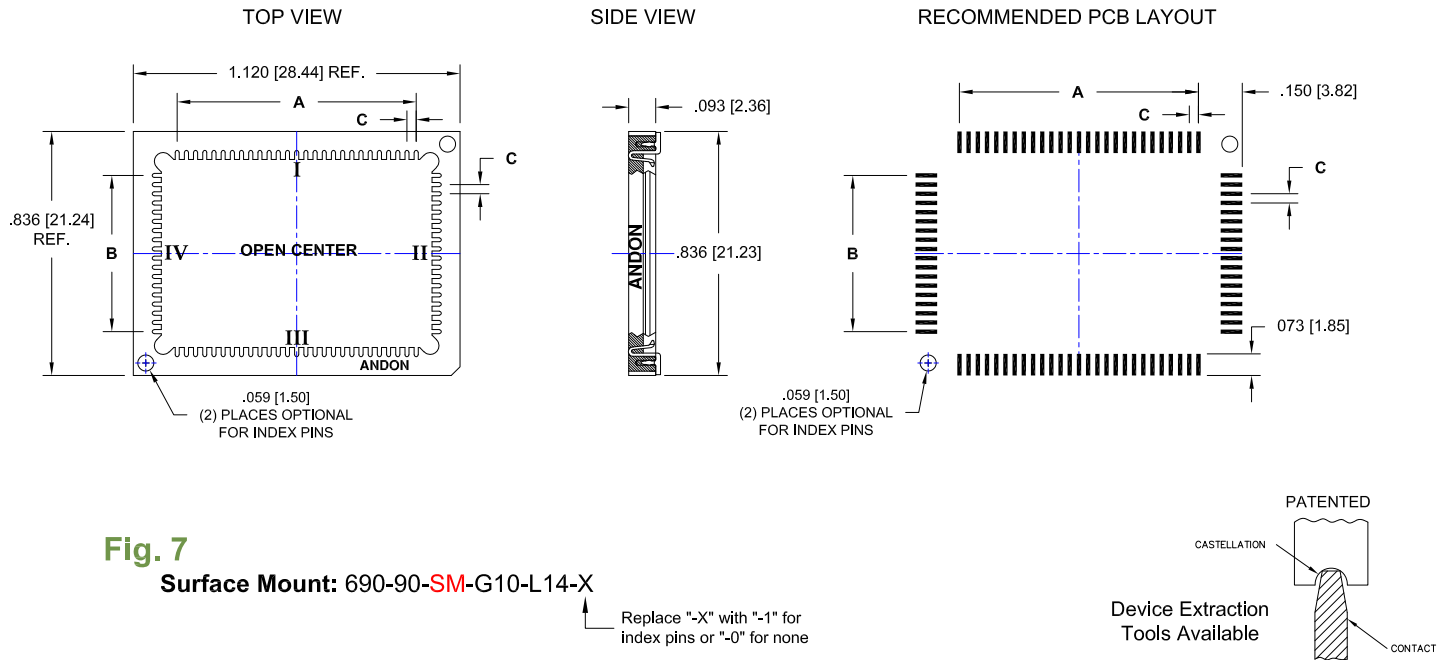
Thru-Hole: IS232-848107T-**400T4**-R27-L14
 Surface Mount: IS232-848107T-**414T4**-R27-L14
 Rollerball® : IS232-848107T-**RB501T4**-R27-L14

ams (formerly CMOSIS) Continued

Image Sensor Socket Footprints

Units: in [mm]

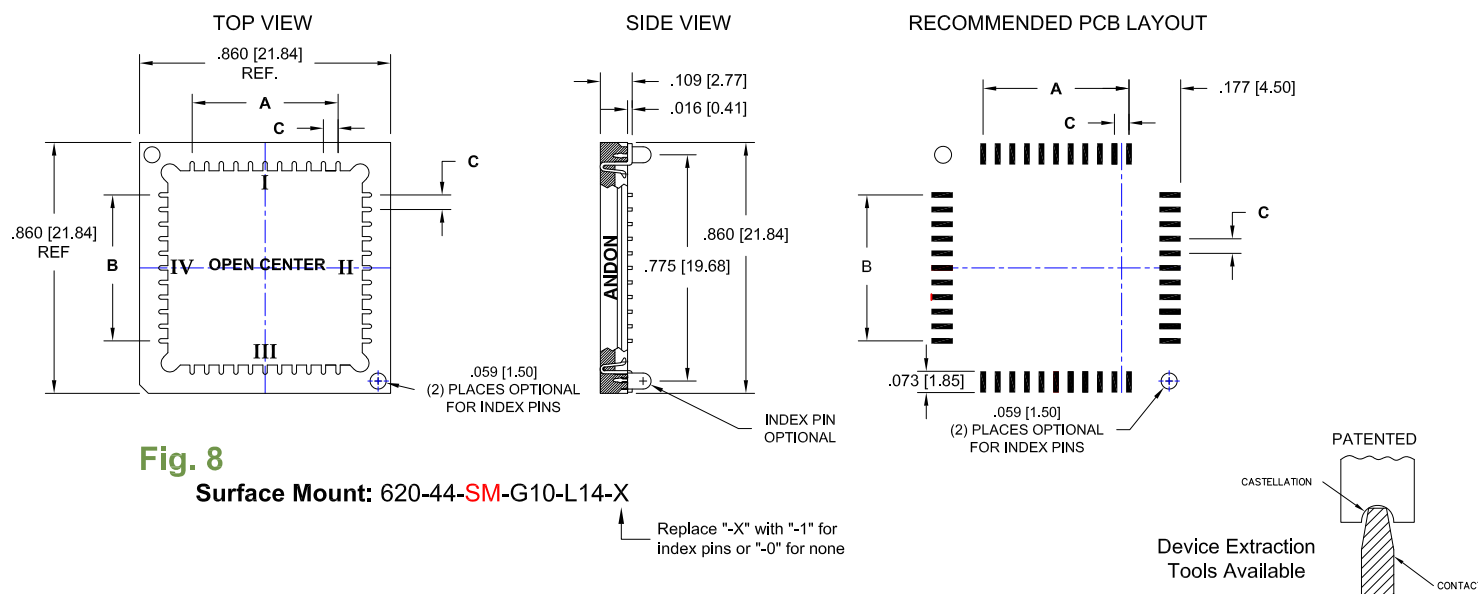
ams											
ams Part Number	Andon Part Number	Figure Number	Page Number	Pin QTY.	A	B	C	Number of Pins (per side)			
								I	II	III	IV
DR-2k-7LCC	690-90-SM-G10-L14-X	7	3	90	.819 (20.80)	.535 (13.59)	.031 (0.80)	54	36	54	36
DR-2x2k-7LCC	690-90-SM-G10-L14-X	7	3	90	.819 (20.80)	.535 (13.59)	.031 (0.80)	54	36	54	36
DR-4k-3.5LCC	690-90-SM-G10-L14-X	7	3	90	.819 (20.80)	.535 (13.59)	.031 (0.80)	54	36	54	36
XF-768	620-44-SM-G10-L14-X	8	4	44	.500 (12.70)	.500 (12.70)	.050 (1.27)	11	11	11	11



ams (formerly CMOSIS) Continued

Image Sensor Socket Footprints

Units: in [mm]



Extraction Tools for AMS Devices

ams Model Number	Andon Part Number Replace "XXX" with Terminal Type	Extraction Tool Number	Figure Number	Page Number
CMV300	17-08-08-058-XXX-R27-L14	EXT-500	-	-
CMV300 (ADAPTER)	17-08-08-058-XXX-G10-L14	EXT-500	-	-
CMV2000 (PGA)	10-12-06-095-XXX-R27-S14	EXT-500	-	-
CMV4000 (PGA)	10-12-06-095-XXX-R27-S14	EXT-500	-	-
CMV8000	IS232-848107T-XXX-R27-L14	EXT-1-INSU	-	-
CMV12000	10-30-07-237-XXX-R27-L14	EXT-1-INSU	-	-
DR-2K-7LCC	690-90-SM-G10-L14-X	EXT-LCC-1	-	-
DR-2X2K-7LCC	690-90-SM-G10-L14-X	EXT-LCC-1	-	-
DR-4K-3.5LCC	690-90-SM-G10-L14-X	EXT-LCC-1	-	-
ORION-2K(LCC)	694-76-SM-G10-L14-X	EXT-LCC-1	-	-
XF-2336	10-26-28-281-XXX-R27-L14	EXT-500	-	-
XF-768	620-44-SM-G10-L14-X	EXT-LCC-1	-	-

ams (formerly CMOSIS) Continued Image Sensor Socket Footprints

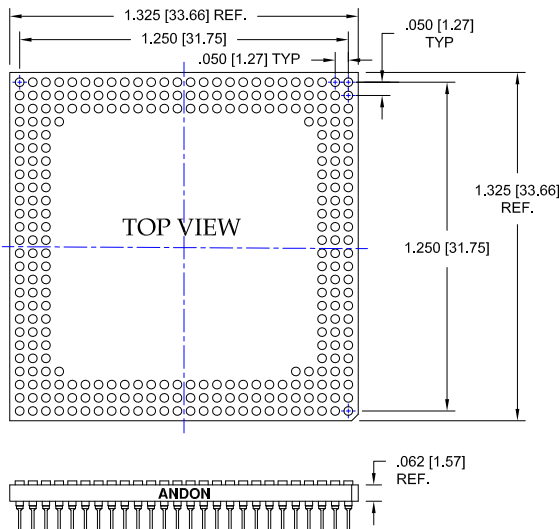


Fig. 9

Thru-Hole: 10-26-28-281-400T4-R27-L14
Surface Mount: 10-26-28-281-414T4-R27-L14
Rollerball®: 10-26-28-281-RB501T4-R27-L14

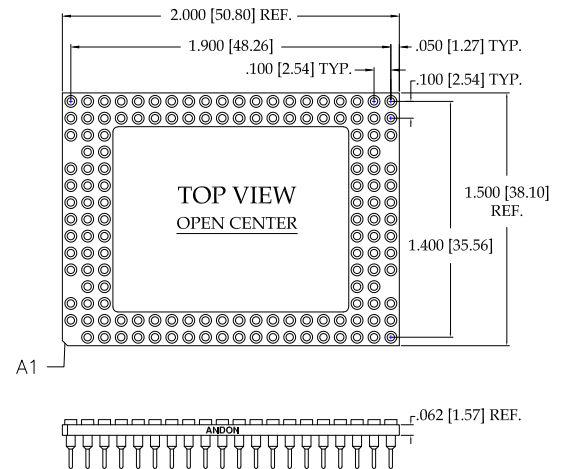


Fig. 10

Thru-Hole: 575-20-19A-141-01M-R27-L14
Surface Mount: 575-20-19A-141-93M-R27-L14
Rollerball®: 575-20-19A-141-RB338K-R27-L14

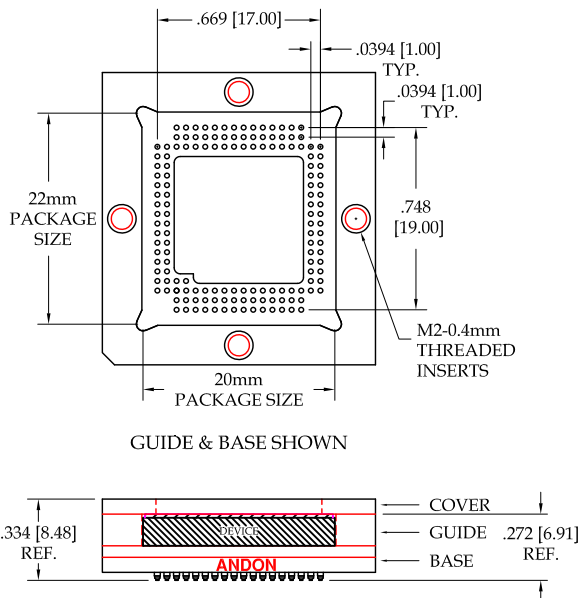
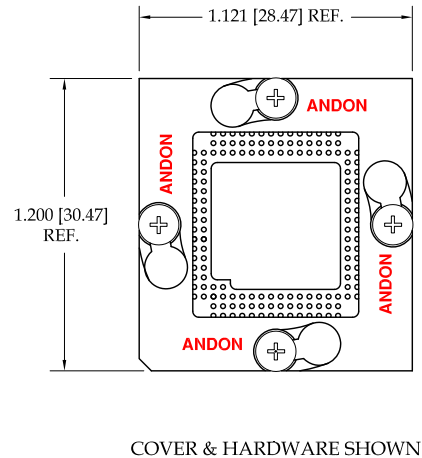


Fig. 11

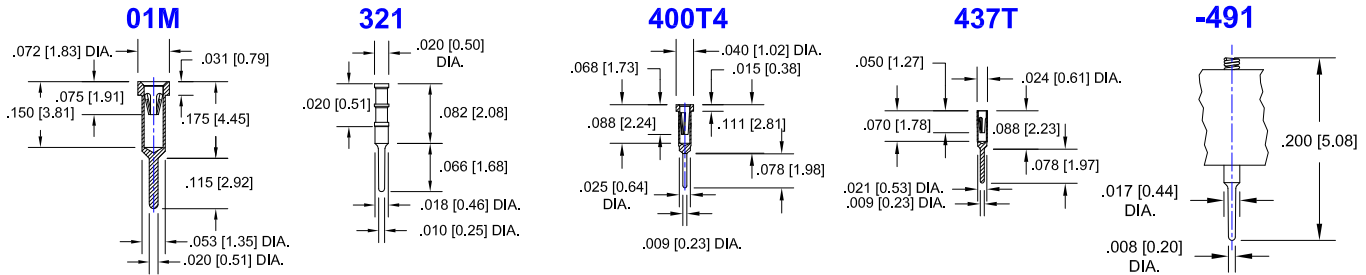
Thru-Hole: 694-150-SM-500-R27-L14-1
Surface Mount: 694-150-SM-500-R27-L14-1
Rollerball®: 694-150-SM-RB593-R27-L14-1



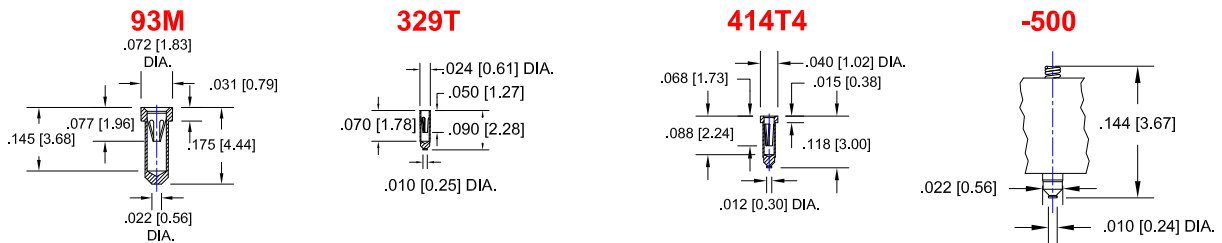
ams (formerly CMOSIS) Continued

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

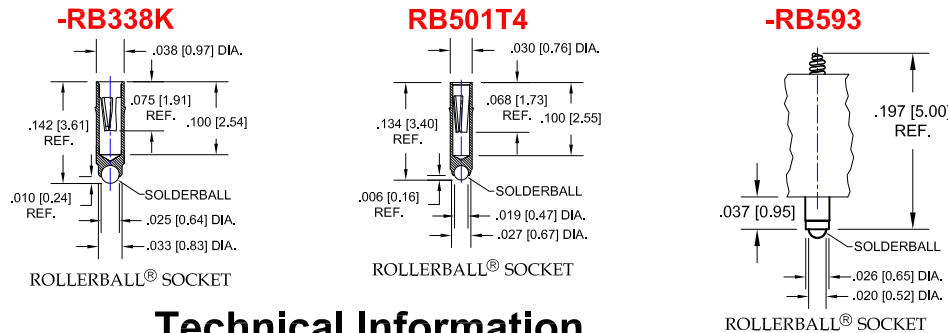
THRU HOLE OPTION



SURFACE MOUNT OPTION



ROLLERBALL® OPTION



Technical Information

Material:

Insulator: Hi-Temp UL 94V-O

-L14 Black FR4 Laminate

-S14 Black Nylon 46 30% Glass Filled

Terminal: Brass, per ASTM-B16

Contact: BeCu, Per ASTM-B194

Adapter: Copper Alloy Plated Gold

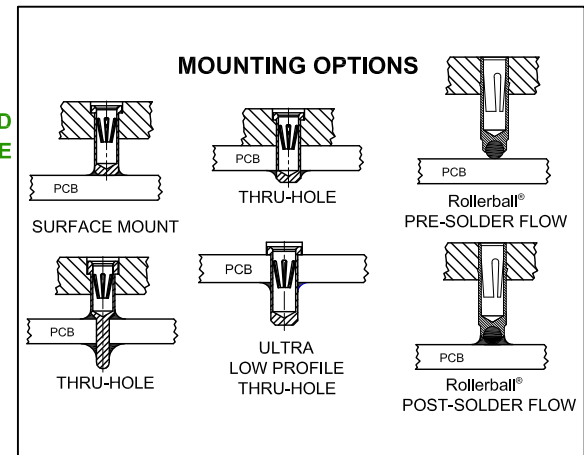
Solderball: Lead Free 96.5% Tin, 3.0% Silver, 0.5% Copper

Plating: RoHS COMPLIANT

R27 TERMINAL: GOLD / CONTACT: GOLD

OTHER PLATINGS AVAILABLE

Thru Hole Terminal	Accepts Pin Diameter	Insertion Force	Withdrawal Force	Surface Mount Terminal	Accepts Pin Diameter	Insertion Force	Withdrawal Force
-01M	Ø.018 [Ø.46]	1.60 oz Max	0.50 oz Min	-93M	Ø.018 [Ø.46]	1.60 oz Max	0.50 oz Min
-400T4	Ø.012 [Ø.30]	1.05 oz Max	0.32 oz Min	-414T4	Ø.012 [Ø.30]	1.05 oz Max	0.32 oz Min
-437T	Ø.010 [Ø.25]	1.00 oz Max	0.30 oz Min	-329T	Ø.010 [Ø.25]	1.00 oz Max	0.30 oz Min
TH-491	-	-	-	SM-500	-	-	-
				-RB338K	Ø.018 [Ø.46]	1.24 oz Max	0.50 oz Min
				-RB501T4	Ø.012 [Ø.30]	1.05 oz Max	0.32 oz Min
				SM-RB593	-	-	-



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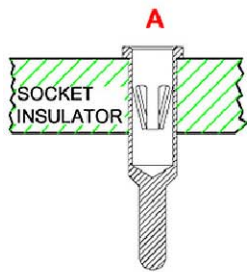
"ANDON PROPRIETARY INFORMATION"

RoHS Compliant

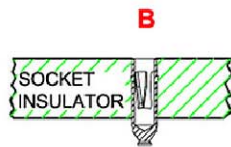
Rollerball® U.S. PATENTED
CANADIAN PATENTED

*Sockets are not drawn to scale
ams (formerly CMOSIS) 07/27/2021

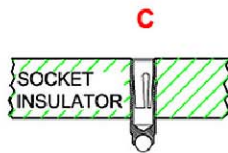
Mounting Options



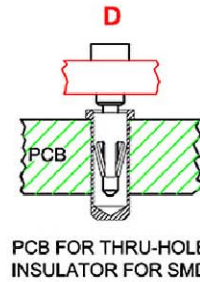
THRU-HOLE



SMD-FLAT FOOT



ROLLERBALL

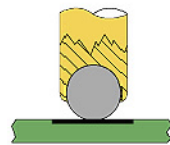


**CARRIER
WITH OR WITHOUT
SOLDER
WASHER**



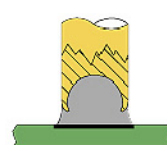
**PIN SOCKET
BULK
WITH OR WITHOUT
SOLDER
WASHER**

ROLLERBALL® SOCKET



BEFORE SOLDERING

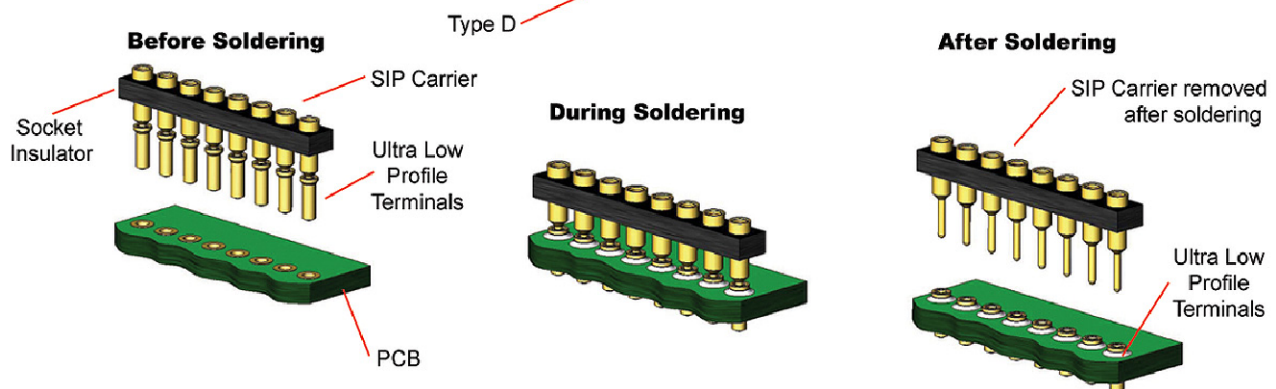
ROLLERBALL® SOCKET



AFTER SOLDERING

PATENTED TECHNOLOGY

ULTRA LOW PROFILE SIP/DIP/PGA CARRIER ASSEMBLY



Available with or without solder washer