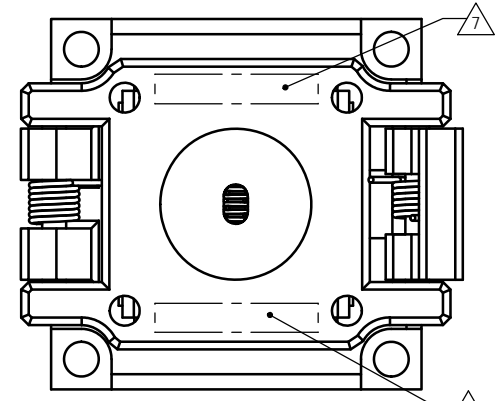
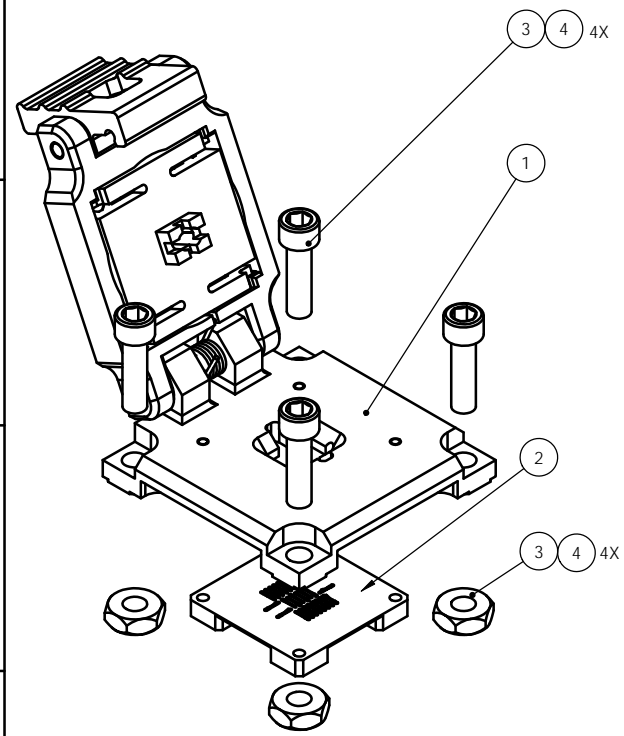
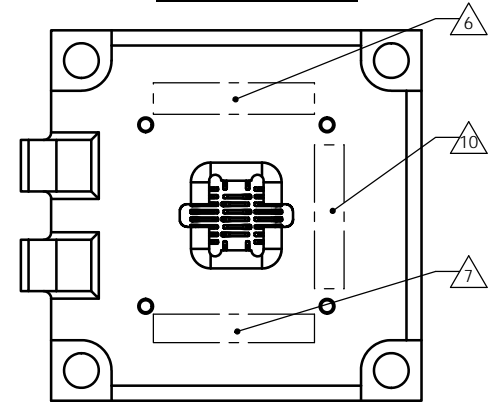


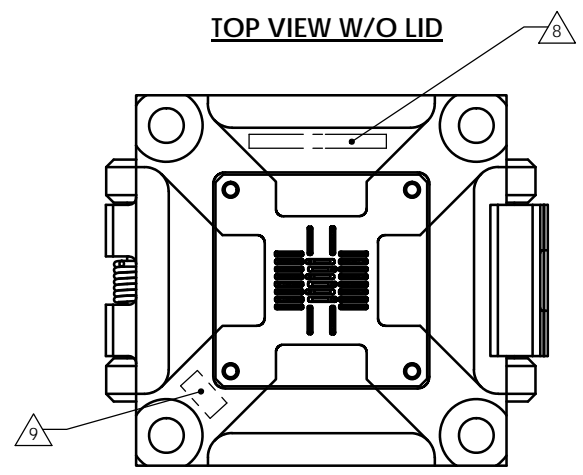
REV	ECO	BY	DESCRIPTION	APV	DATE
A		EJT	Initial Design	MP	08/14/09
B		KP	1) Dim was (2.30, 2) Dim was (6.00)	MP	10/29/09



TOP VIEW W/LID



TOP VIEW W/O LID



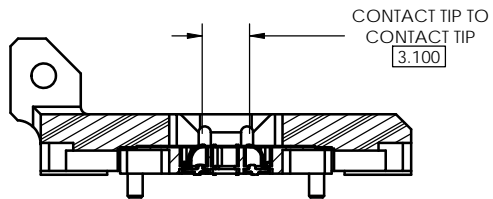
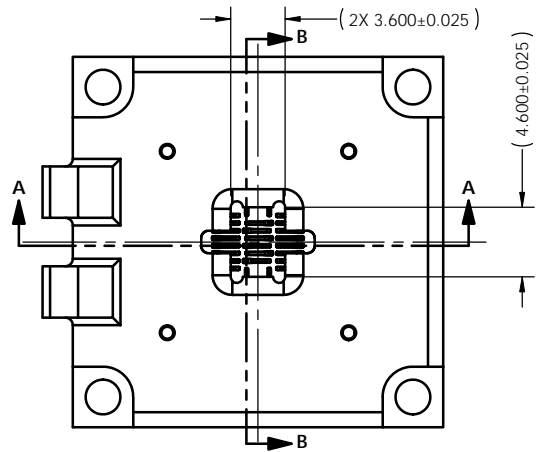
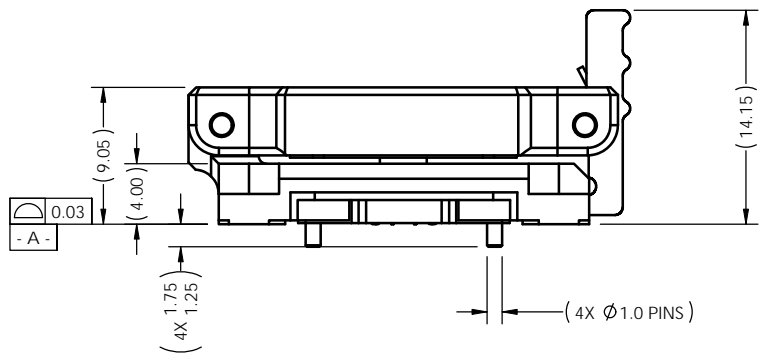
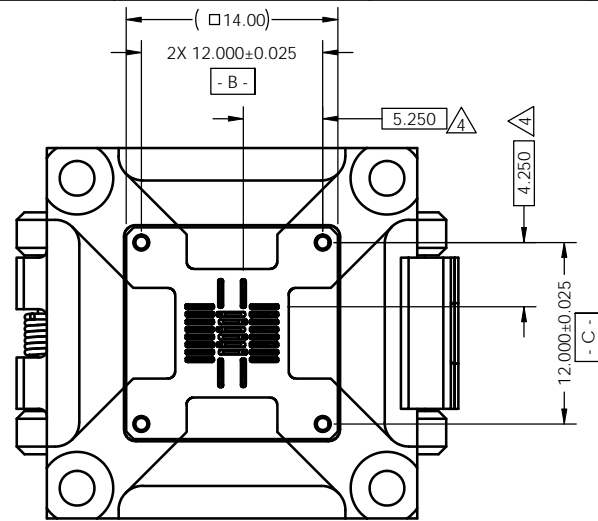
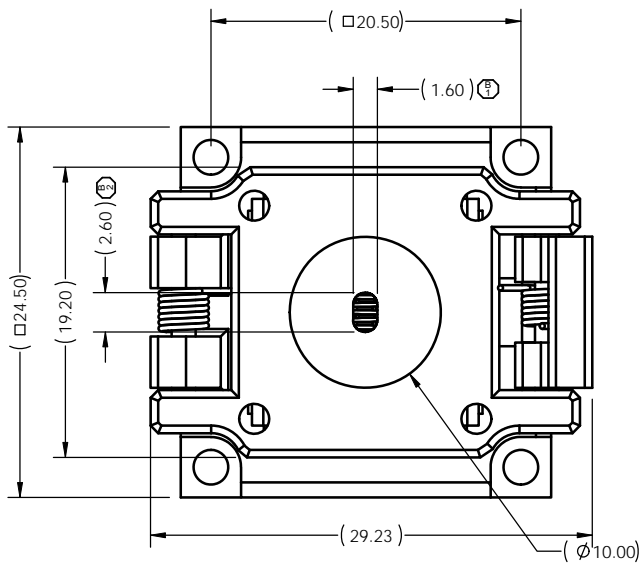
BOTTOM VIEW

Notes:

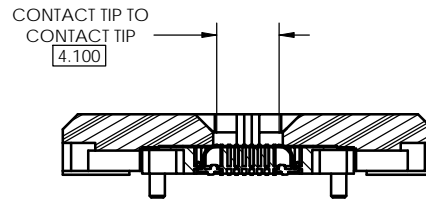
- Latches to move freely and return to closed position when released.
- Tighten PCB mounting fasteners to 2-3 in-lbs. (-0.22-0.33 Nm).
- Dimension locates center line of contact. Can be measured with elastomer removed.
- Socket is RoHS compliant.
- Minimum force applied to device at test is 780g.
- Customer part number
- Cascade logo
- "MADE IN USA" (Date Code)
- Frame part number.
- Contact set ID (if room allowable).
- Cascade socket part number and rev. level.
- Footprint part number is **106476-0022**

Parts List			
Item	Qty	Part Number	Description
0		106458-0094	SOCKET, 20PQFN3.5x4.5-0.50, HINGED
1	1	101082-0083	ASSY, LID/FRAME, QFN3.5x4.5 1.7
2	1	106460-0094	CS, 20PQFN3.5x4.5-0.50
3	1	101133-0001	KIT, HDW, #2-56 X 5/16, 4
4	1	101133-0002	KIT, HDW, M2.0 X 8.0, 4

UNLESS OTHERWISE SPECIFIED: - DIMENSIONS ARE IN MILLIMETERS - DIMS APPLY AFTER PLATING TOLERANCES UNLESS OTHERWISE NOTED: DECIMALS X.XX ±0.25 X.XX ±0.10 X.XXX ±0.050		THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF CASCADE MICROTECH, INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF CASCADE MICROTECH, INC. IS PROHIBITED.	
CAD GENERATED DRAWING DO NOT MANUALLY UPDATE		7115 NORTHLAND TERRACE SUITE 400 BROOKLYN PARK, MN 55428 (763) 509-0066	
DRAWING APPROVALS		CASCADIA MICROTECH, INC.	
NAME	DATE	SOCKET, 20PQFN3.5x4.5-0.50, HINGED	
E. Turin	08/14/09		
APPROV	DATE	PART NUMBER: 106458-0094	
M. Peery	08/17/09		
THIRD ANGLE PROJECTION		SCALE	MATERIAL
SEE BOM		SCALE	MATERIAL
PAGE		SHEET	
1 of 3		1 of 3	



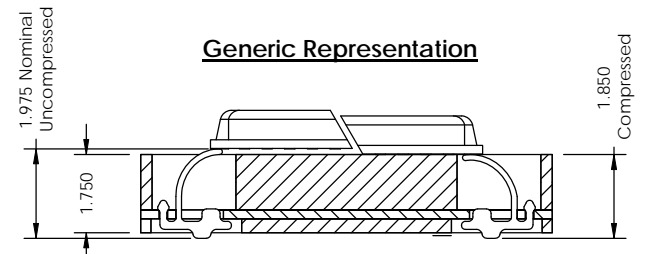
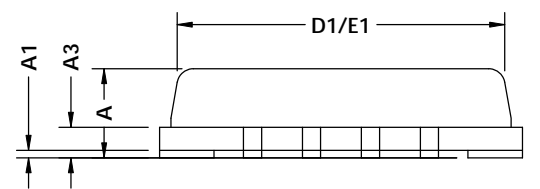
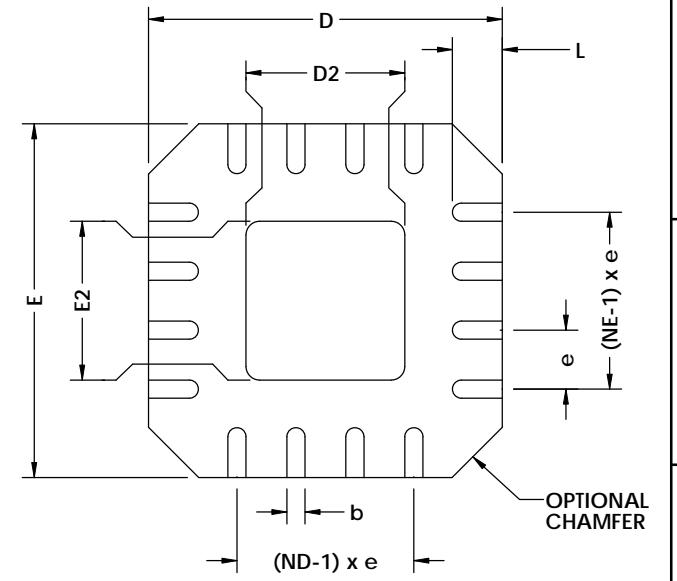
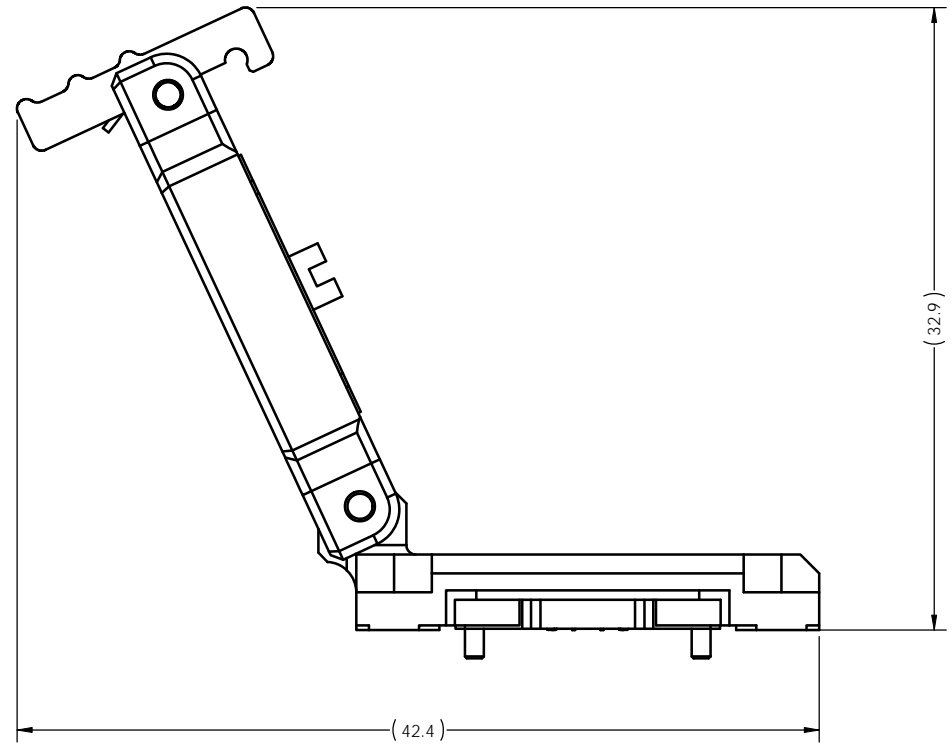
SECTION A-A



SECTION B-B

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<small>UNLESS OTHERWISE SPECIFIED - DIMENSIONS ARE IN MILLIMETERS - DIMS APPLY AFTER PLATING</small>		<small>7115 NORTHLAND TERRACE SUITE 400 BROOKLYN PARK, MN 55428 (763) 509-0066</small>	
<small>TOLERANCES UNLESS OTHERWISE NOTED:</small>		SOCKET, 20PQFN3.5x4.5-0.50, HINGED	
<small>DECIMALS ±0.25 ANGLES XX ±0.25 ±1* XXX ±0.10 XXXX ±0.050</small>	<small>DATE FORNAT</small> C	<small>DRAWING NO.</small> 106458-0094	<small>REV.</small> B
<small>LEGEND:</small> (A) NOTE CALLOUT (B) REVISION CHANGE (X) ITEM NUMBER	<small>SCALE</small> See Page 1	<small>MATERIAL</small> SOLIDWORKS	<small>SHEET</small> 2 of 3

SOCKET FOR DEVICES THAT ARE WITHIN THESE SPECIFICATIONS			
Lead Count	n	20	
Lead Count X/Y	ND/NE	8	2
Device Type		QFN (MLP, MLF)	
Package Size	D/E	3.5 ± 0.1*	4.5 ± 0.1*
Pitch	e	0.50	
Encapsulant Size	D1/E1	2.5 min	3.5 min
Ground Pad	D2/E2	1.5 min	2.5 min
Package Height	A	0.75-1.10	
Pad Height	A1	0.00-0.05	
Substrate Height	A3	0.20 min	
Pad Width	b	0.20 min	
Pad Length	L	0.30 min	
All Dimensions are in millimeters			
* Due to the potential samll size of the device pads, the device opening is 0.100±0.025 larger than D and E. At maximum material conditions maximum device size, minimum connector opening) there will be an interference fit. Contact Gryphics for more details.			



Generic Representation

Generic Representation

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UNLESS OTHERWISE SPECIFIED:
 - DIMENSIONS ARE IN MILLIMETERS
 - DIMS APPLY AFTER PLATING

TOLERANCES UNLESS OTHERWISE NOTED: DECIMALS
 ANGLES XX ±0.25
 ±1° XXX ±0.10
 X-XXX ±.050

LEGEND:
 (A) NOTE CALLOUT
 (R) REVISION CHANGE
 (X) ITEM NUMBER

CASCADE MICROTECH, INC.
 7115 NORTHLAND TERRACE SUITE 400
 BROOKLYN PARK, MN 55428
 (763) 509-0066

SOCKET, 20PQFN3.5x4.5-0.50, HINGED

REV: C
 CAD FORMAT: SOLIDWORKS
 DRAWING NO: 106458-0094
 SCALE: See Page 1
 SHEET: 3 of 3