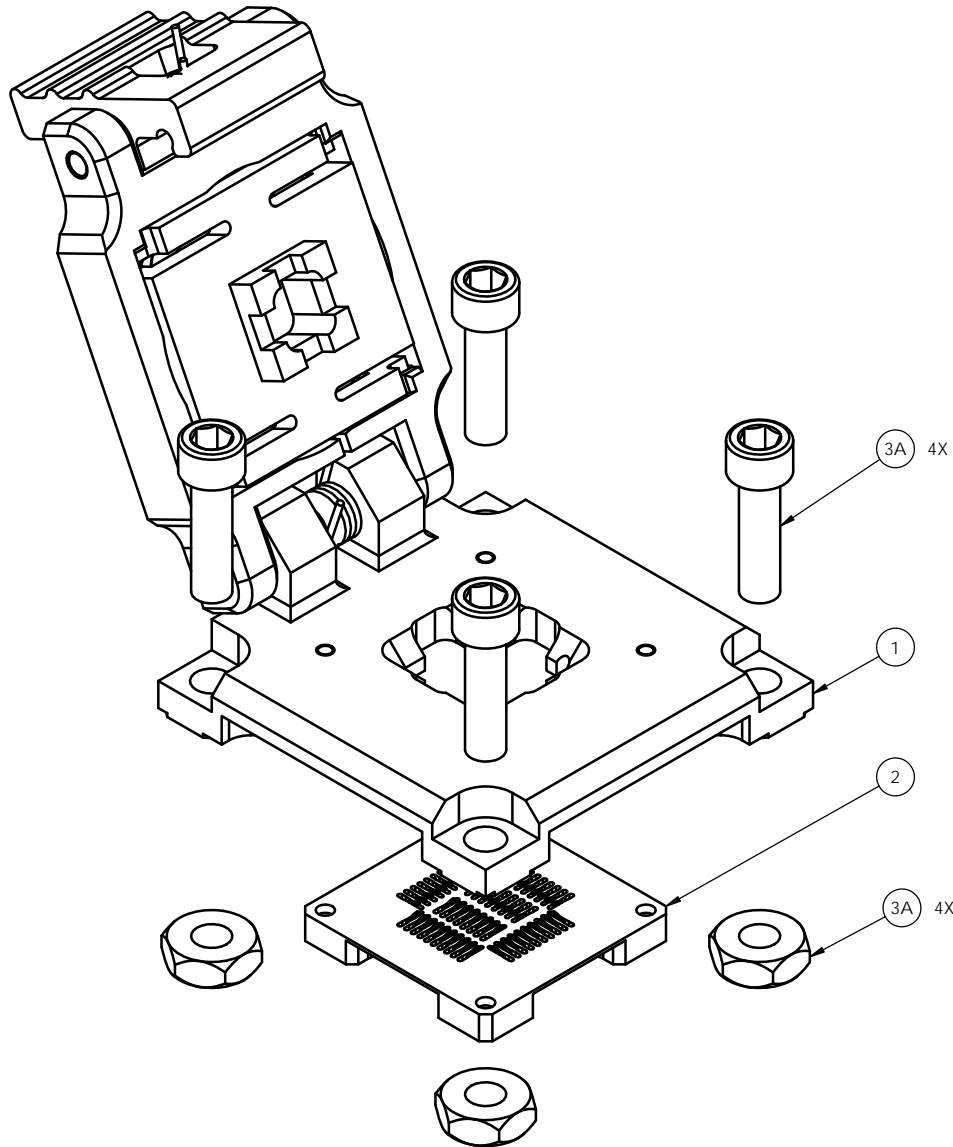


REV	ECO	BY	DESCRIPTION	APV	DATE
A		EJT	Initial Design	MP	06/08/09
B	30471	SK	Updated CS; Redrew to current stds	KW	07/15/10
C	31280	AS	Updated titleblock and dwg to HSIO std; In table on sht 2, min ground pad size was 2.0x2.0	MP	04/12/13


Notes:

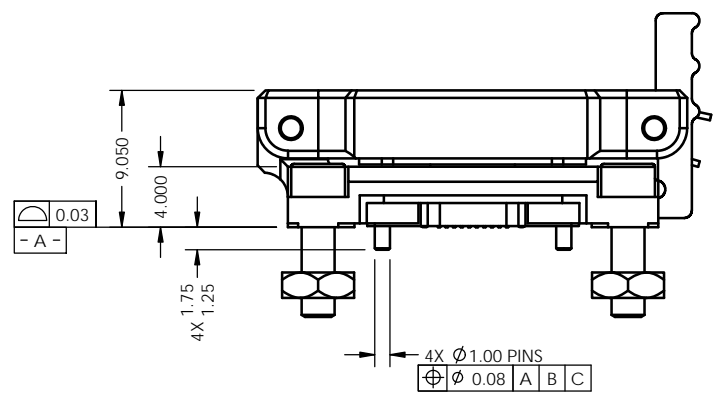
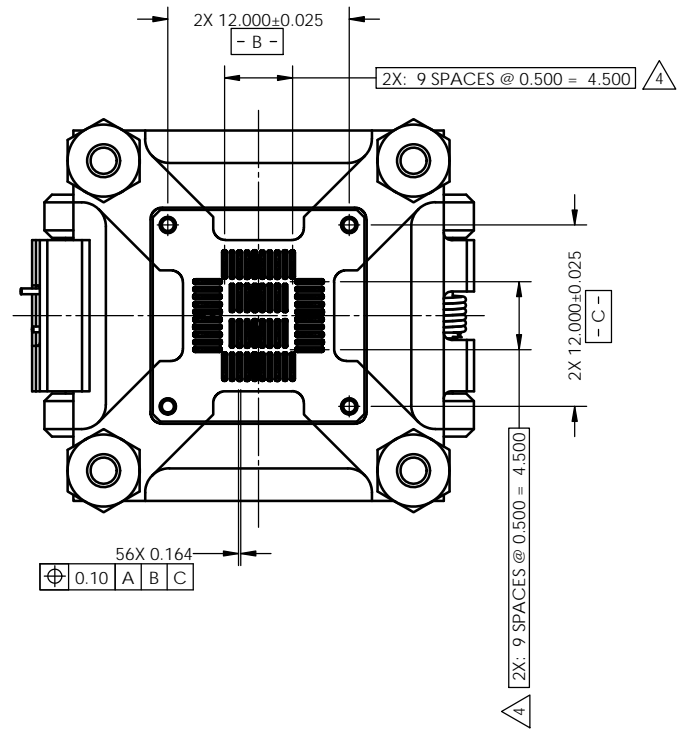
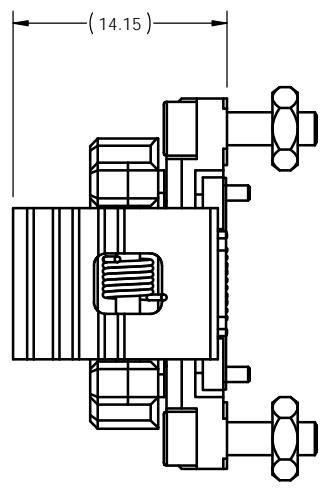
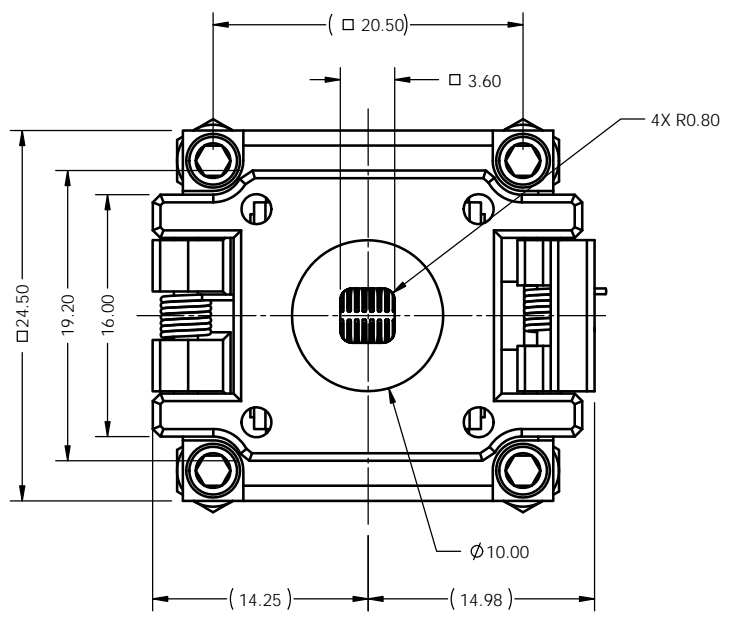
- Latches to move freely and return to closed position when released.
- Tighten PCB mounting fasteners to 2-3 in.-lbs. (0.22-0.33 Nm).
- Footprint part number is 100682-0001.
- $\triangle$  Dimension locates center line of contact.
- Minimum force applied to device at test is 2520g.
- Socket is RoHS compliant.
- $\triangle$  Contact tip position (tip is defined as the highest point of the contact).
- $\triangle$  In a mounted condition.
- See part marking standard 107340-0002 for engraving instructions.



Parts List			
Item	Qty	Part Number	Description
0	-	106458-0016	SOCKET, 40POFN06-0.50, HINGED
1	1	101082-0195	ASSY, LID/FRAME, QFN06
2	1	106460-0016	CS, 40POFN063-0.50
3A	1	101133-0001	KIT, HDW, #2-56 X 5/16, 4
3B*	1	101133-0002	KIT, HDW, M2.0 X 8.0, 4

\*Items not shown.

 <p><b>HSIO</b>technologies  <b>PROPRIETARY AND CONFIDENTIAL</b>          THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF HSIO TECHNOLOGIES, LLC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF HSIO TECHNOLOGIES, LLC IS PROHIBITED.</p>	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS TOLERANCES: ANGULAR ±1° X.X ±0.25 X.XX ±0.10 X.XXX ±0.050	NAME	DATE	<b>HSIO TECHNOLOGIES, LLC.</b> 13300 67th AVENUE NORTH MAPLE GROVE, MINNESOTA 55311 763-447-6260 TITLE: SCKT, 40POFN06-0.50, HINGED DWG. NO. <b>106458-0016</b> REV <b>C</b> SCALE: 5:1   SIZE: C   SHEET 1 OF 4
	INTERPRET GEOMETRIC TOLERANCING PER:	DRAWN	K. Pitney 07/16/08	
	MATERIAL	CHECKED	M. Peery 07/16/08	
	SEE BOM	LEGEND:		
FINISH		$\triangle$ NOTE CALLOUT		
DO NOT SCALE DRAWING		$\square$ REVISION CHANGE		
		$\circ$ ITEM NUMBER		



**PROPRIETARY AND CONFIDENTIAL**  
 THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF HSI0 TECHNOLOGIES, LLC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF HSI0 TECHNOLOGIES, LLC IS PROHIBITED.

UNLESS OTHERWISE SPECIFIED:	NAME	DATE	<b>HSI0 TECHNOLOGIES, LLC.</b> 13300 67th AVENUE NORTH MAPLE GROVE, MINNESOTA 55311 763-447-6260
DIMENSIONS ARE IN MILLIMETERS TOLERANCES: ANGULAR ± 1° X.X ± 0.25 X.XX ± 0.10 X.XXX ± 0.050	DRAWN	K. Pitney 07/16/08	
LEGEND: △ NOTE CALLOUT ○ REVISION CHANGE ○ ITEM NUMBER	CHECKED	M. Peery 07/16/08	

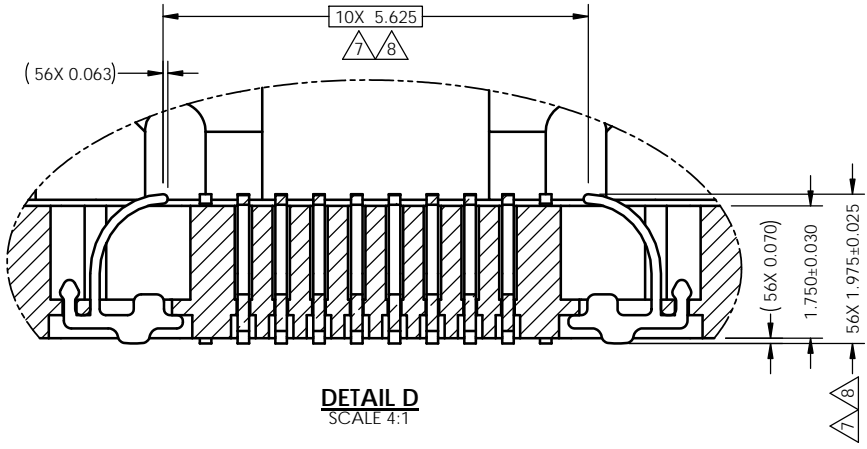
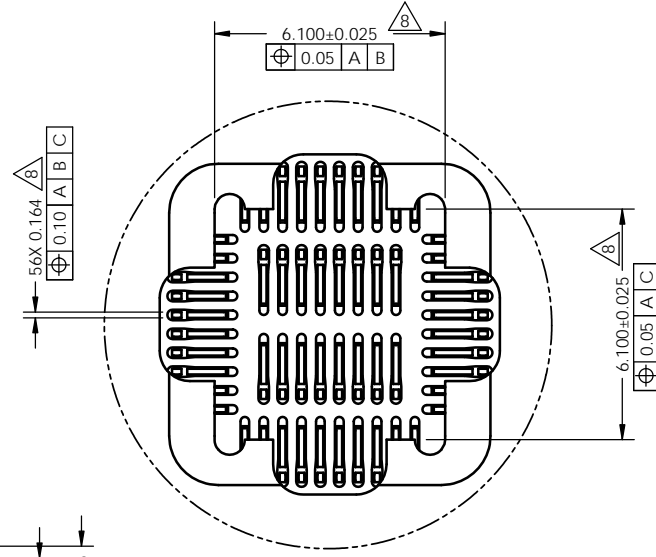
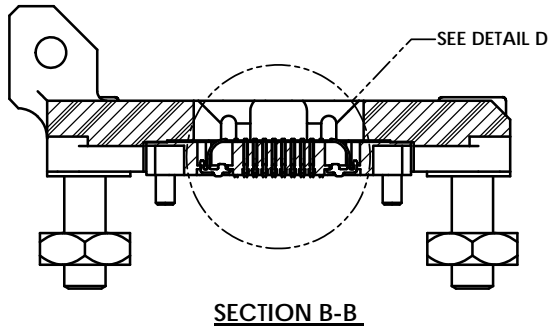
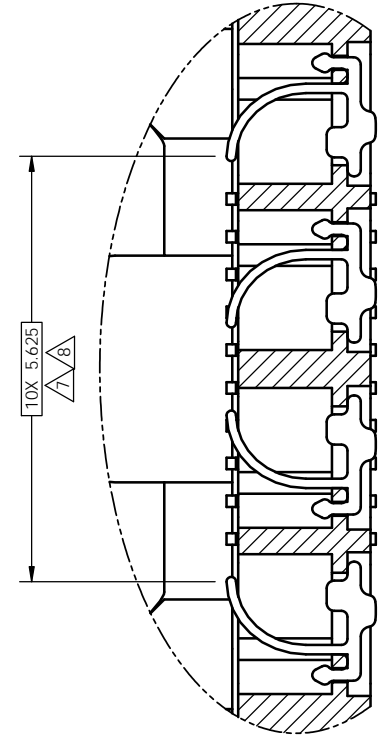
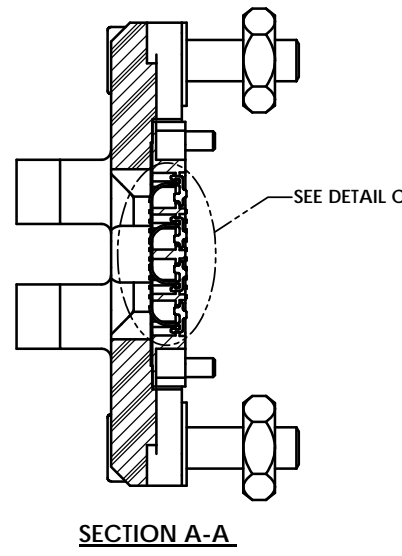
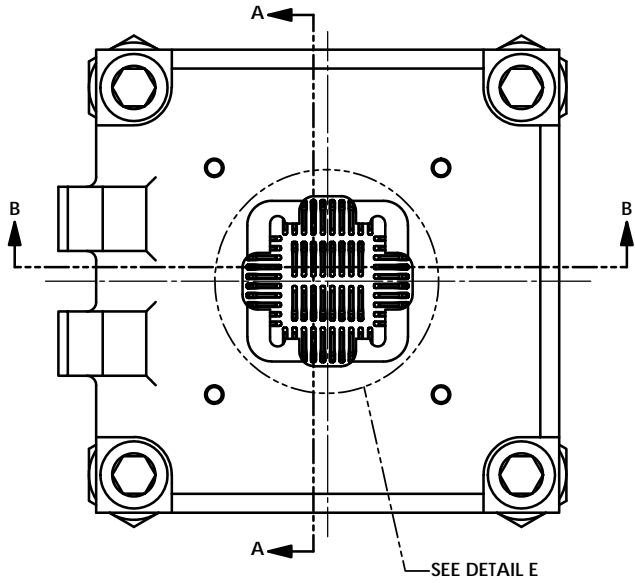
TITLE:

SCKT, 40POFN06-0.50,  
HINGED

DWG. NO. **106458-0016**

SCALE: 2:1 | SIZE: C | SHEET 2 OF 4

REV **C**



**DETAIL E**  
SCALE 2:1


**DETAIL C**  
SCALE 4:1

**SECTION B-B**

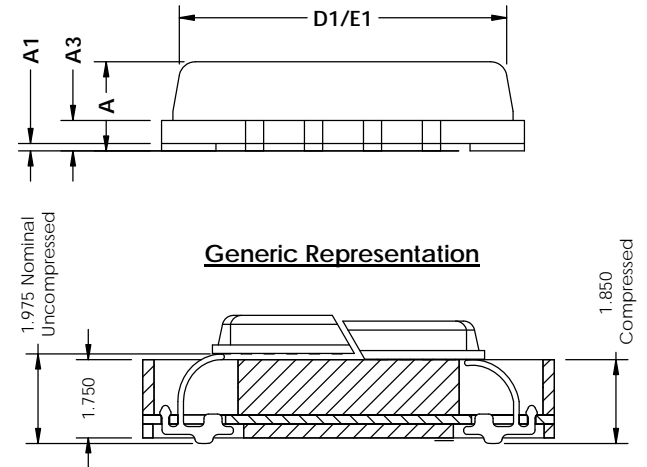
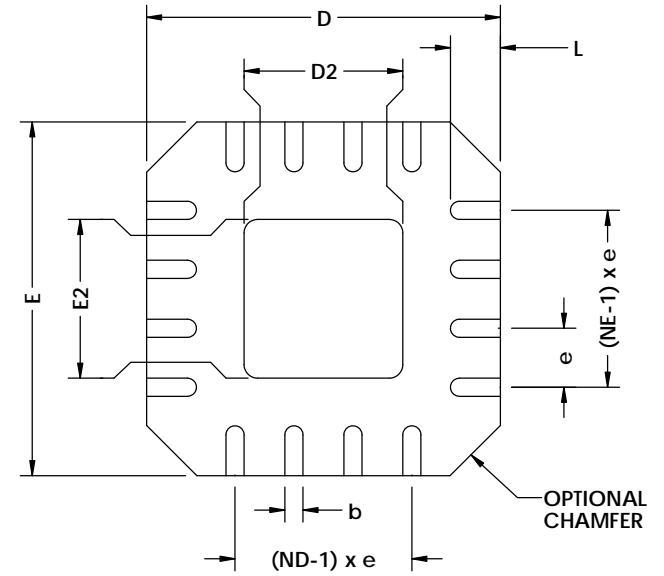
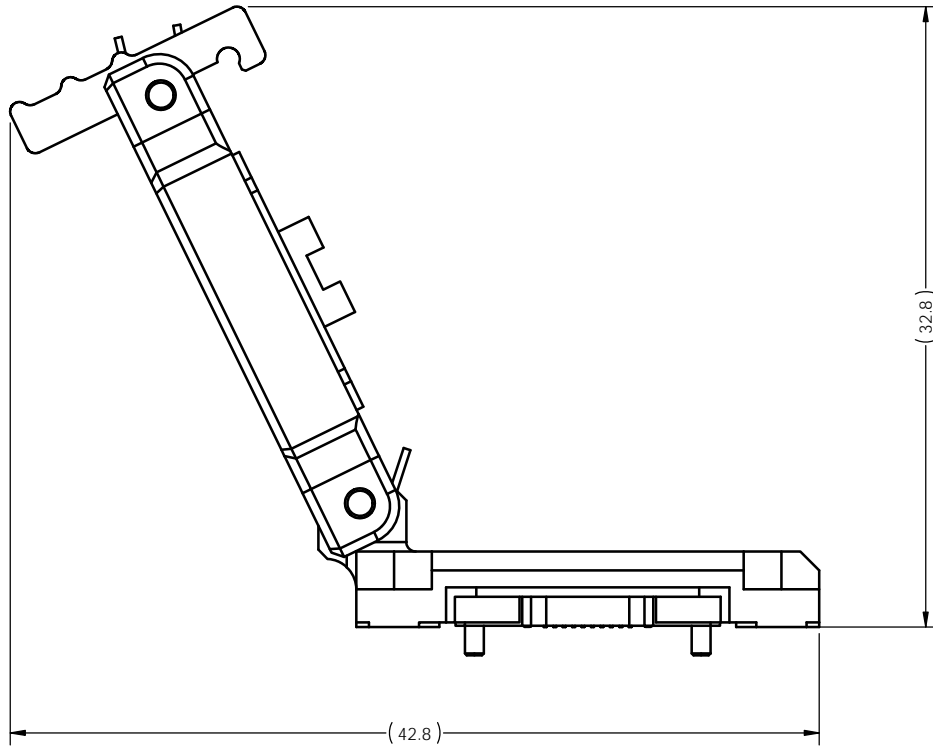
**SECTION A-A**

**DETAIL D**  
SCALE 4:1

**PROPRIETARY AND CONFIDENTIAL**  
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF HSI0 TECHNOLOGIES, LLC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF HSI0 TECHNOLOGIES, LLC IS PROHIBITED.

UNLESS OTHERWISE SPECIFIED:	NAME	DATE	<b>HSI0 TECHNOLOGIES, LLC.</b> 13300 67th AVENUE NORTH MAPLE GROVE, MINNESOTA 55311 763-447-6260
DIMENSIONS ARE IN MILLIMETERS	DRAWN		
TOLERANCES: ANGULAR ± 1° X.X ± 0.25 X.XX ± 0.10 X.XXX ± 0.050	CHECKED		
LEGEND: △ NOTE CALLOUT ○ REVISION CHANGE ○ ITEM NUMBER			TITLE: SCKT, 40PQFN06-0.50, HINGED
		DWG. NO.	REV
		106458-0016	C
		SCALE: 5:1	SIZE: C SHEET 3 OF 4

SOCKET FOR DEVICES THAT ARE WITHIN THESE SPECIFICATIONS			
Lead Count	n	40	
Lead Count X/Y	ND/NE	10	10
Device Type		QFN (MLP, MLF)	
Package Size	D/E	6.0±0.1*	6.0±0.1*
Pitch	e	0.50	
Encapsulant Size	D1/E1	5.0 min	5.0 min
Ground Pad	D2/E2	4.0 min	4.0 min
Package Height	A	0.65-1.00	
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 small 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 HSIQ Technologies for more details.			



<b>PROPRIETARY AND CONFIDENTIAL</b>			
<small>THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF HSIQ TECHNOLOGIES, LLC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF HSIQ TECHNOLOGIES, LLC IS PROHIBITED.</small>			
UNLESS OTHERWISE SPECIFIED:	NAME	DATE	<b>HSIQ TECHNOLOGIES, LLC.</b> 13300 67th AVENUE NORTH MAPLE GROVE, MINNESOTA 55311 763-447-6260
DIMENSIONS ARE IN MILLIMETERS	DRAWN	K. Pitney 07/16/08	
TOLERANCES: ANGULAR ± 1° XX ±0.25 XXX ±0.10 XXXX ±0.050	CHECKED	M. Peery 07/16/08	
LEGEND: △ NOTE CALLOUT ○ REVISION CHANGE ○ ITEM NUMBER			TITLE: SCKT, 40PQFN06-0.50, HINGED
		DWG. NO. <b>106458-0016</b>	REV <b>C</b>
		SCALE: 5:1	SIZE: C SHEET 4 OF 4