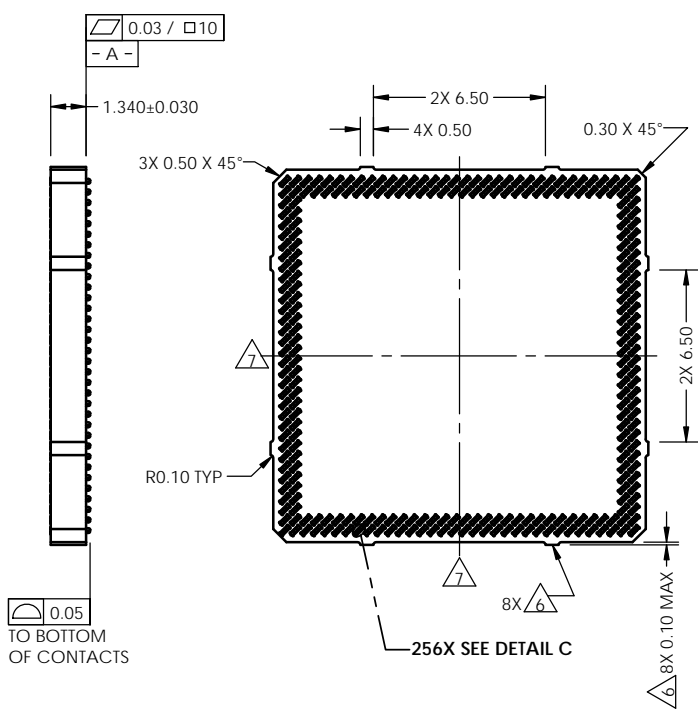
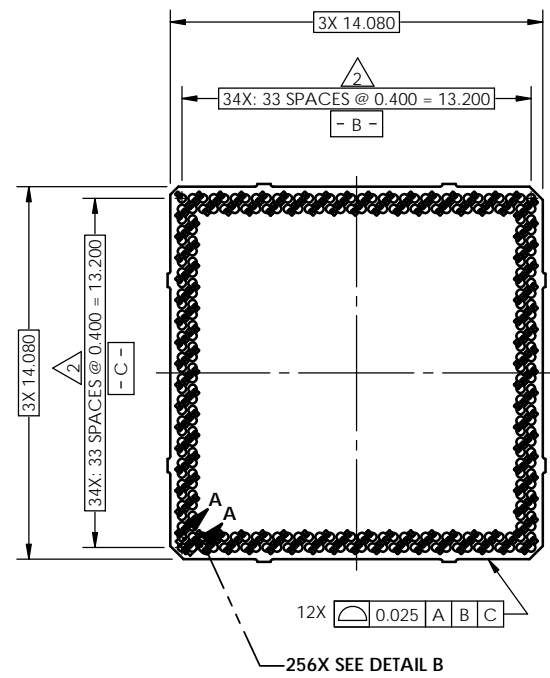


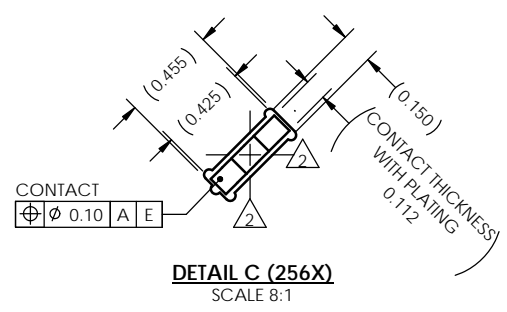
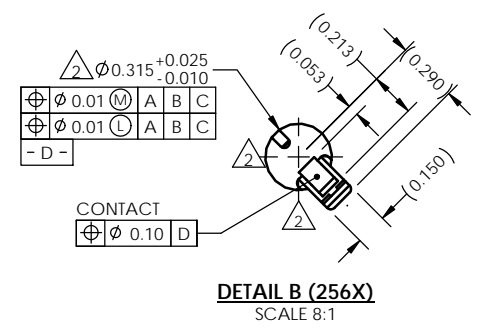
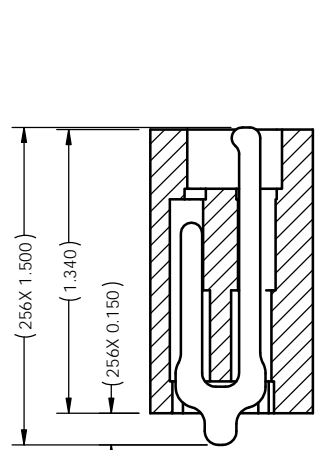
REV	ECO	BY	DESCRIPTION	APV	DATE
A	31406	AS	Initial Design	MP	10/29/13



Notes:

- Reference HSEO Technologies part number 103862-0001 for solder attachment.
- Locates center of contact/ slot.
- Reference HSEO Technologies part number 103863-0001 for application notes.
- Footprint part number is 104311-0399.
- Datums **- B -** and **- C -** are determined by  $\phi 0.315$  openings on corner slots.
- Tooling marks permitted. Maximum 0.10 protrusion (shown).
- E -** Center of contact pattern.

Part Number	Description
107620-0012	SCKT, 256G4014-0.40
103864-0004	PRESS, DEVICE INSERT, GRYP 14X14 (SOLD SEPARATELY)
105900-0004	EXTRACTION TOOL, 4 X 53 (SOLD SEPARATELY)
104553-0307	STENCIL, FLEX, 256G4014-0.40 (SOLD SEPARATELY)
106083-0013	FRAME, ALIGN, GRYP, 14X14 (SOLD SEPARATELY)



SECTION A-A  
SCALE 8:1

DETAIL B (256X)  
SCALE 8:1

DETAIL C (256X)  
SCALE 8:1

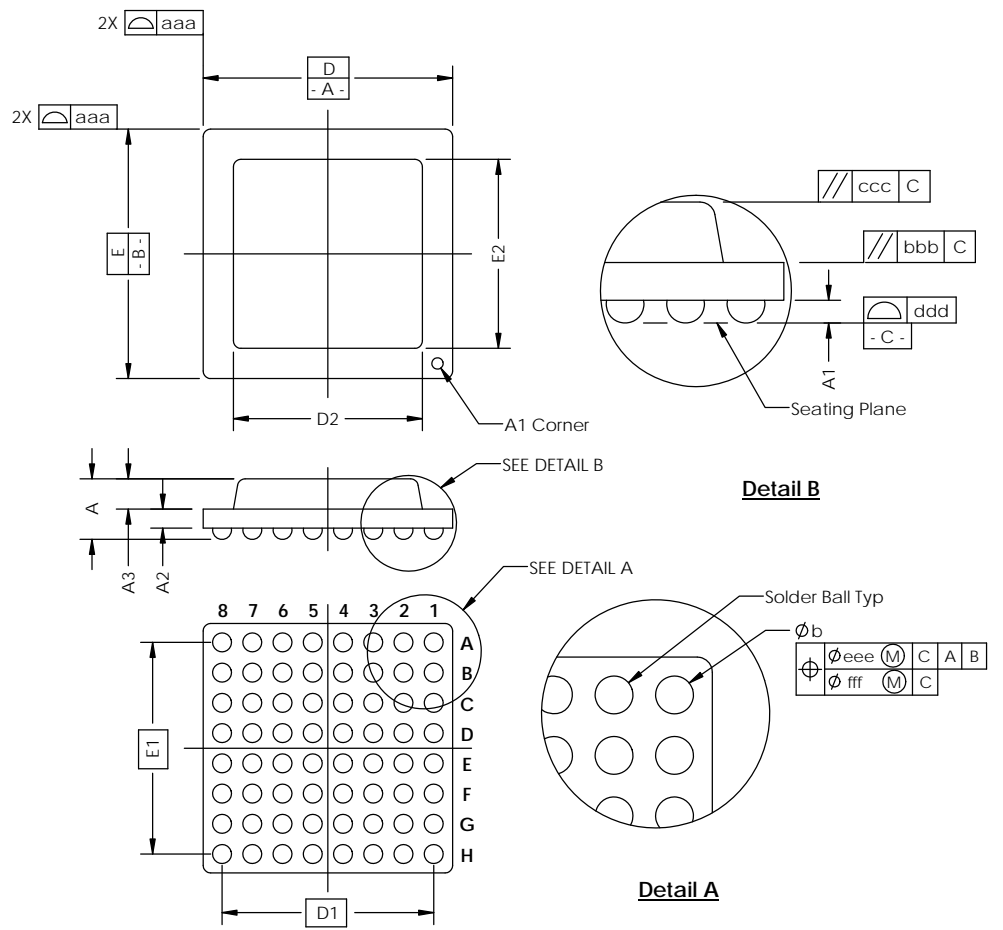
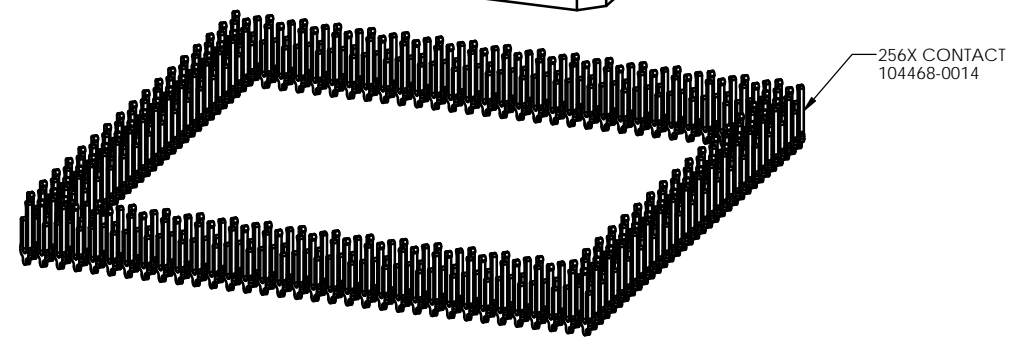
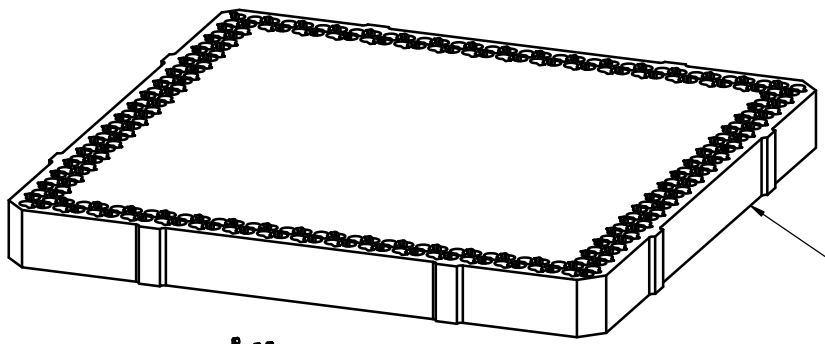
UNLESS OTHERWISE SPECIFIED:		NAME	DATE
DIMENSIONS ARE IN MILLIMETERS		DRAWN	AS 10/29/13
TOLERANCES:		CHECKED	MP 10/29/13
ANGULAR: $\pm 1^\circ$		LEGEND:	
X.X $\pm 0.25$		$\triangle$ NOTE CALLOUT	TITLE: SCKT, 256G4014-0.40, WO/SOLDER BALLS
X.XX $\pm 0.10$		$\square$ REVISION CHANGE	
X.XXX $\pm 0.050$		$\circ$ ITEM NUMBER	
INTERPRET GEOMETRIC TOLERANCING PER:		DWG. NO. 107620-0012	
MATERIAL		REV A	
SEE BOM		SCALE: 10:1 SIZE: C SHEET 1 OF 2	
FINISH			
DO NOT SCALE DRAWING			

**PROPRIETARY AND CONFIDENTIAL**

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SOCKET FOR DEVICES THAT ARE WITHIN THESE SPECIFICATIONS					
Lead Count	<b>N</b>	256	Package Size	<b>D</b>	14.00
Columns	<b>ND</b>	34		<b>E</b>	14.00
Rows	<b>NE</b>	34	Ball Spacing	<b>D1</b>	13.200
Pitch	<b>e</b>	0.400		<b>E1</b>	13.200
Ball Size	<b>b</b>	0.25±0.05	Encapsulant/ Top Size	<b>D2</b>	n/a
Total Thickness	<b>A</b>	n/a		<b>E2</b>	n/a
Ball Height	<b>A1</b>	0.175 MIN	Pattern Style	Perimeter*	
Substrate Thickness	<b>A2</b>	n/a	Perimeter Rows	2	
Top Thickness	<b>A3</b>		Center Array	n/a	
Form Tolerances					
Edge	<b>aaa</b>	0.10	Bottom	<b>ddd</b>	0.08
Substrate	<b>bbb</b>	0.10	Position	<b>eee</b>	0.10
top	<b>ccc</b>	0.10	Position	<b>fff</b>	0.05

All dimensions are in millimeters.  
\* See footprint for pattern details.



**Generic Representation with Full Grid Array**

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UNLESS OTHERWISE SPECIFIED:		NAME	DATE
DIMENSIONS ARE IN MILLIMETERS		AS	10/29/13
TOLERANCES:		MP	10/29/13
ANGULAR: ± 1°			
XX ±0.25			
XXX ±0.10			
XXXX ±0.050			
LEGEND:			
△ NOTE CALLOUT			
○ REVISION CHANGE			
○ ITEM NUMBER		<b>HSIO TECHNOLOGIES, LLC.</b> 13300 67th AVENUE NORTH MAPLE GROVE, MINNESOTA 55311 763-447-6260	
		TITLE:	
		SCKT, 256G4014-0.40, WO/SOLDER BALLS	
		DWG. NO.	REV
		107620-0012	A
		SCALE: 10:1	SIZE: C SHEET 2 OF 2