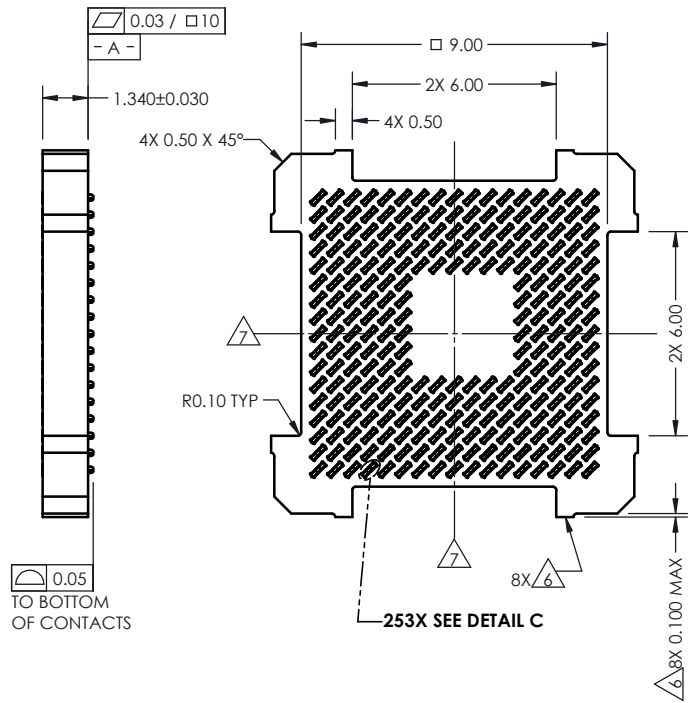
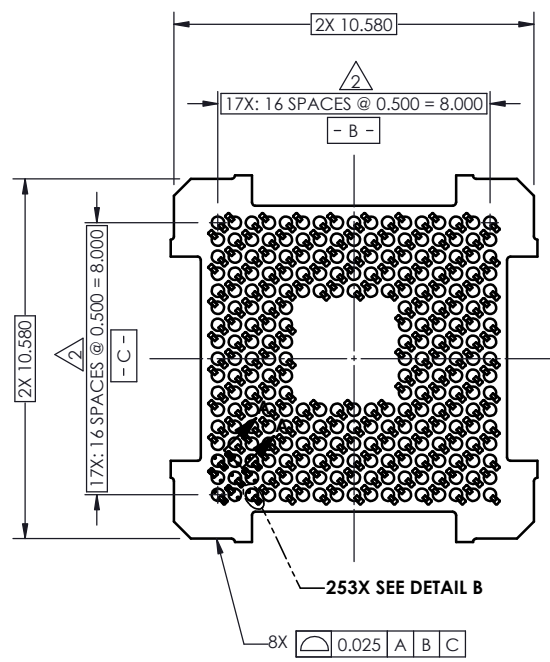


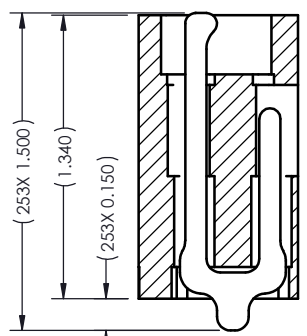
REV	ECO	BY	DESCRIPTION	APV	DATE
A	31414	PVW	Initial Design	MP	11/04/13



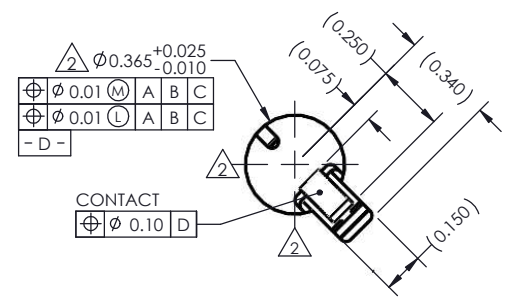
Notes:

- Reference HSIOTechnologies part number 103862-0001 for solder attachment.
- Locates center of contact/ slot.
- Reference HSIOTechnologies part number 103863-0001 for application notes.
- Footprint part number is 104311-0398.
- Datums - B - and - C - are determined by  $\phi 0.365$  openings on corner slots.
- Tooling marks permitted. Maximum 0.100 protrusion (shown).
- E - Center of contact pattern.

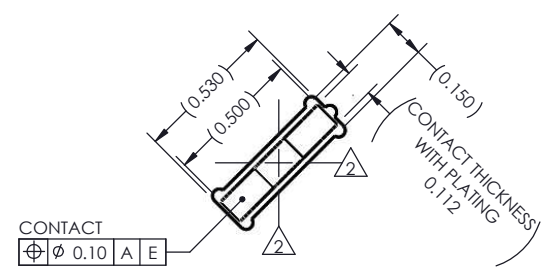
Part Number	Description
107610-0011	SCKT, 253G4010.5-0.50
103864-0073	PRESS, DEVICE INSERT, GRYP 10.5X12.5 (SOLD SEPARATELY)
105900-0004	EXTRACTION TOOL, 4 X 53 (SOLD SEPARATELY)
104553-0312	STENCIL, FLEX, 253G4010.5-0.50 (SOLD SEPARATELY)
106083-0076	FRAME, ALIGN, G40, 10.5X12.5 (SOLD SEPARATELY)



SECTION A-A  
SCALE 8:1



DETAIL B (253X)  
SCALE 8:1



DETAIL C (253X)  
SCALE 8:1

UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN MILLIMETERS

TOLERANCES:

ANGULAR:  $\pm 1^\circ$

X.X  $\pm 0.25$

X.XX  $\pm 0.10$

X.XXX  $\pm 0.050$

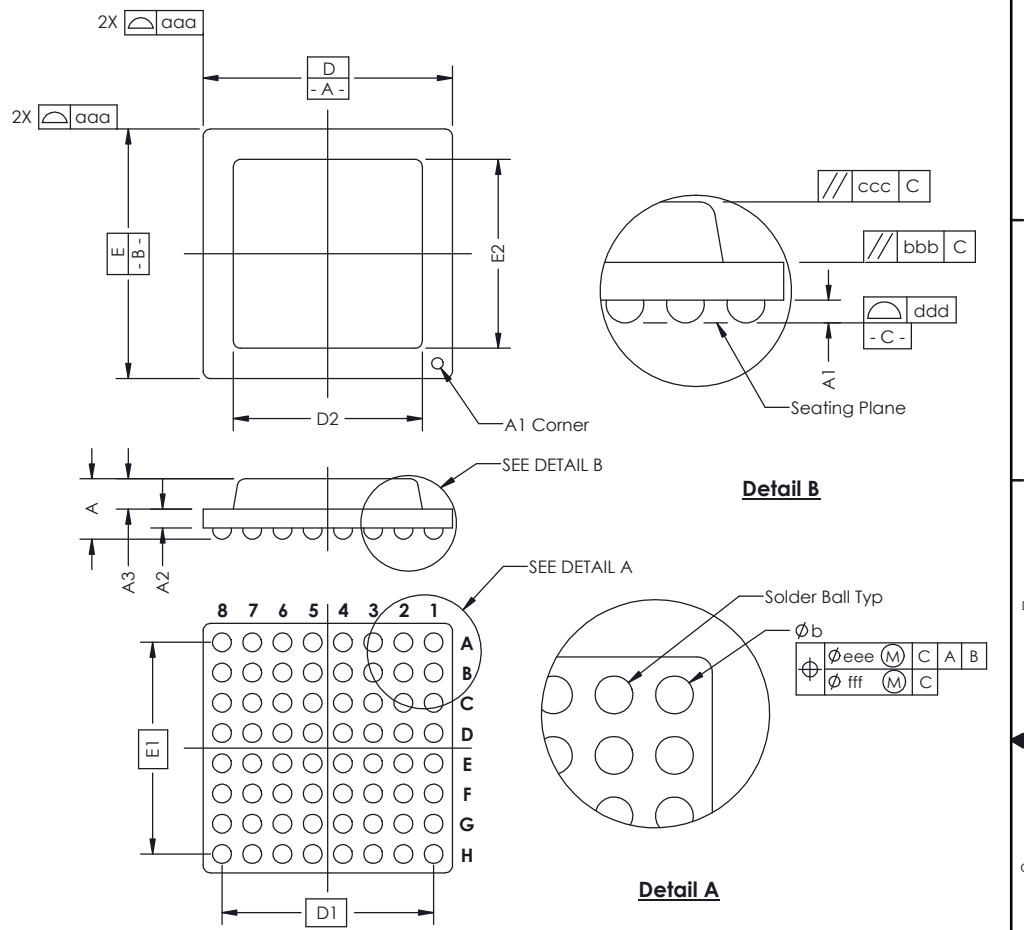
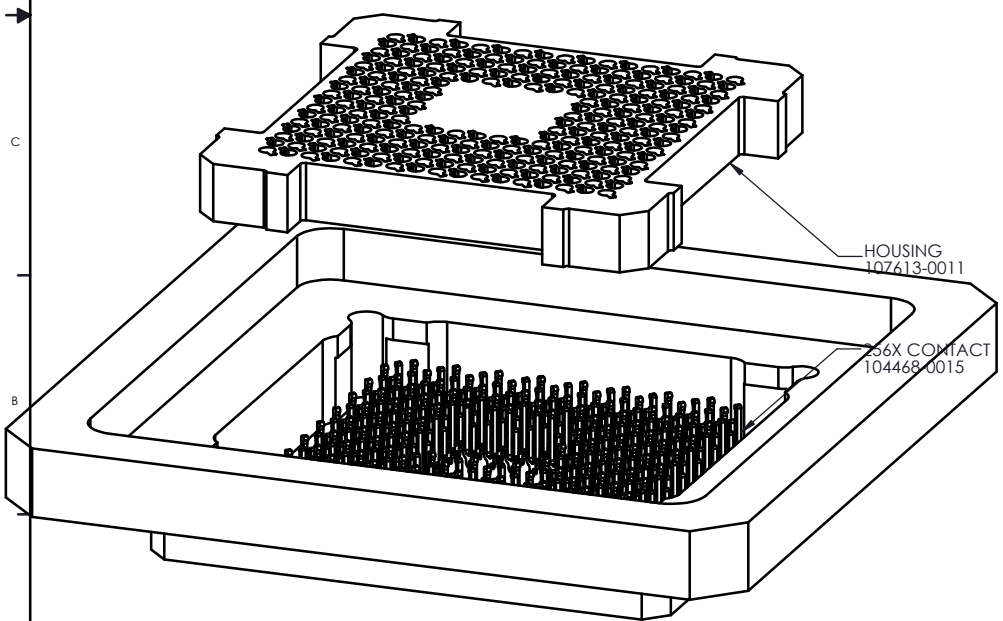
NAME	DATE	<b>HSIO TECHNOLOGIES, LLC.</b> 13300 67th AVENUE NORTH MAPLE GROVE, MINNESOTA 55311 763-447-6260
DRAWN PVW	11/04/13	
CHECKED MP	11/04/13	
LEGEND:		
$\triangle$ NOTE CALLOUT	$\square$ TITLE:	SCKT, 253G4010.5-0.50, W/O SOLDER BALLS
$\square$ REVISION CHANGE	DWG. NO.	
$\circ$ ITEM NUMBER	REV	107610-0011 A
DO NOT SCALE DRAWING	SCALE: 10:1	SIZE: C

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF HSIOTechnologies, LLC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF HSIOTechnologies, LLC IS PROHIBITED.

SCALE: 10:1 SIZE: C SHEET 1 OF 2

SOCKET FOR DEVICES THAT ARE WITHIN THESE SPECIFICATIONS					
Lead Count	<b>N</b>	253	Package Size	<b>D</b>	10.50
Columns	<b>ND</b>	17		<b>E</b>	10.50
Rows	<b>NE</b>	17	Ball Spacing	<b>D1</b>	8.000
Pitch	<b>e</b>	0.500		<b>E1</b>	8.000
Ball Size	<b>b</b>	0.30±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>	0.225 MIN	Pattern Style	Irregular*	
Substrate Thickness	<b>A2</b>	n/a	Perimeter Rows	n/a	
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**

<b>PROPRIETARY AND CONFIDENTIAL</b>				
<small>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.</small>				
UNLESS OTHERWISE SPECIFIED:	NAME	DATE	<b>HSIO TECHNOLOGIES, LLC.</b> 13300 67th AVENUE NORTH MAPLE GROVE, MINNESOTA 55311 763-447-6260	
DIMENSIONS ARE IN MILLIMETERS	DRAWN	PVW		11/04/13
TOLERANCES: ANGULAR: ±1° X.X ±0.25 X.XX ±0.10 X.XXX ±0.050	CHECKED	MP		11/04/13
LEGEND:			TITLE:	
△ NOTE CALLOUT			SCKT, 253G4010.5-0.50, W/O SOLDER BALLS	
○ REVISION CHANGE				
○ ITEM NUMBER				
		DWG. NO.	REV	
		107610-0011	A	
		SCALE: 10:1	SIZE: C SHEET 2 OF 2	