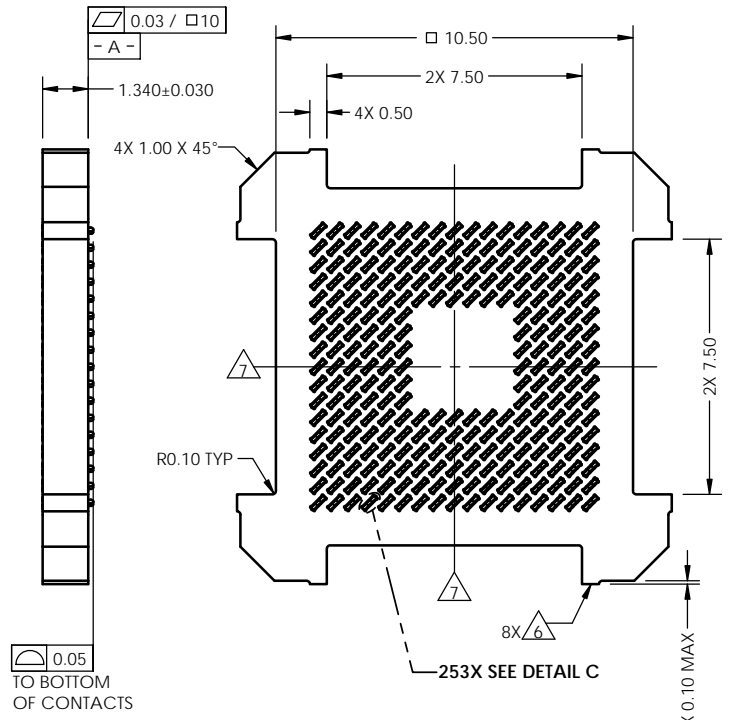
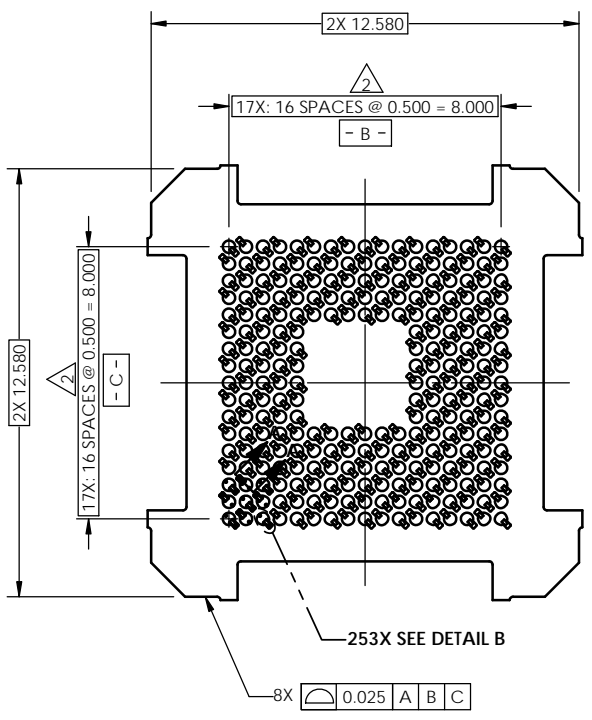


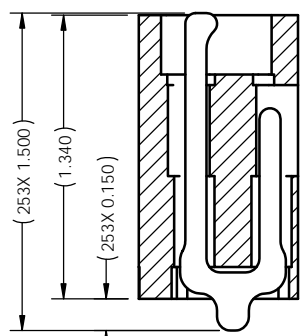
REV	ECO	BY	DESCRIPTION	APV	DATE
A	30405	AS	Initial Design	MP	10/28/13



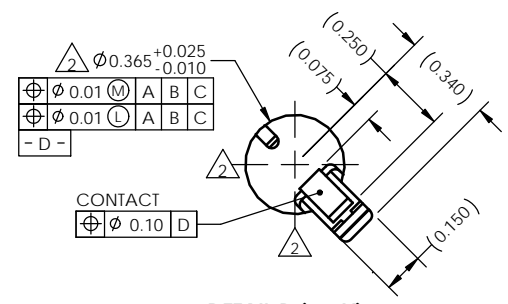
Notes:

- Reference HSI0 Technologies part number 103862-0001 for solder attachment.
- Locates center of contact/ slot.
- Reference HSI0 Technologies 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 0.10 protrusion (shown).
- E- Center of contact pattern.

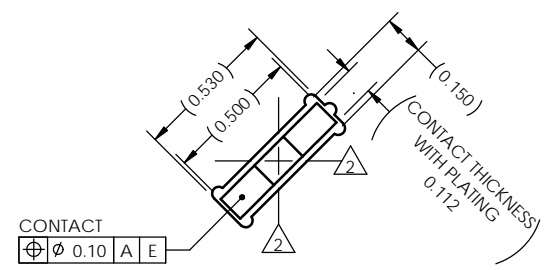
Part Number	Description
107610-0010	SCKT, 253G4012.5-0.50
103864-0144	PRESS, DEVICE INSERT, GRYP 12.5X12.5 (SOLD SEPARATELY)
105900-0004	EXTRACTION TOOL, 4 X 53 (SOLD SEPARATELY)
104553-0243	STENCIL, FLEX, 253G4012.5-0.50 (SOLD SEPARATELY)
106083-0057	FRAME, ALIGN, G40, 12.5X12.5 (SOLD SEPARATELY)



**SECTION A-A**  
SCALE 8:1



**DETAIL B (253X)**  
SCALE 8:1



**DETAIL C (253X)**  
SCALE 8:1

UNLESS OTHERWISE SPECIFIED:		NAME	DATE
DIMENSIONS ARE IN MILLIMETERS		DRAWN	PVW 10/28/13
TOLERANCES: ANGULAR: $\pm 1^\circ$		CHECKED	MP 10/28/13
X.XX $\pm 0.25$		LEGEND:	
X.XXX $\pm 0.10$		$\triangle$ NOTE CALLOUT	TITLE: SCKT, 253G4012.5-0.50, WO/SOLDER BALLS
X.XXXX $\pm 0.050$		$\square$ REVISION CHANGE	
FINISH		$\circ$ ITEM NUMBER	
DO NOT SCALE DRAWING		DWG. NO. 107610-0010	

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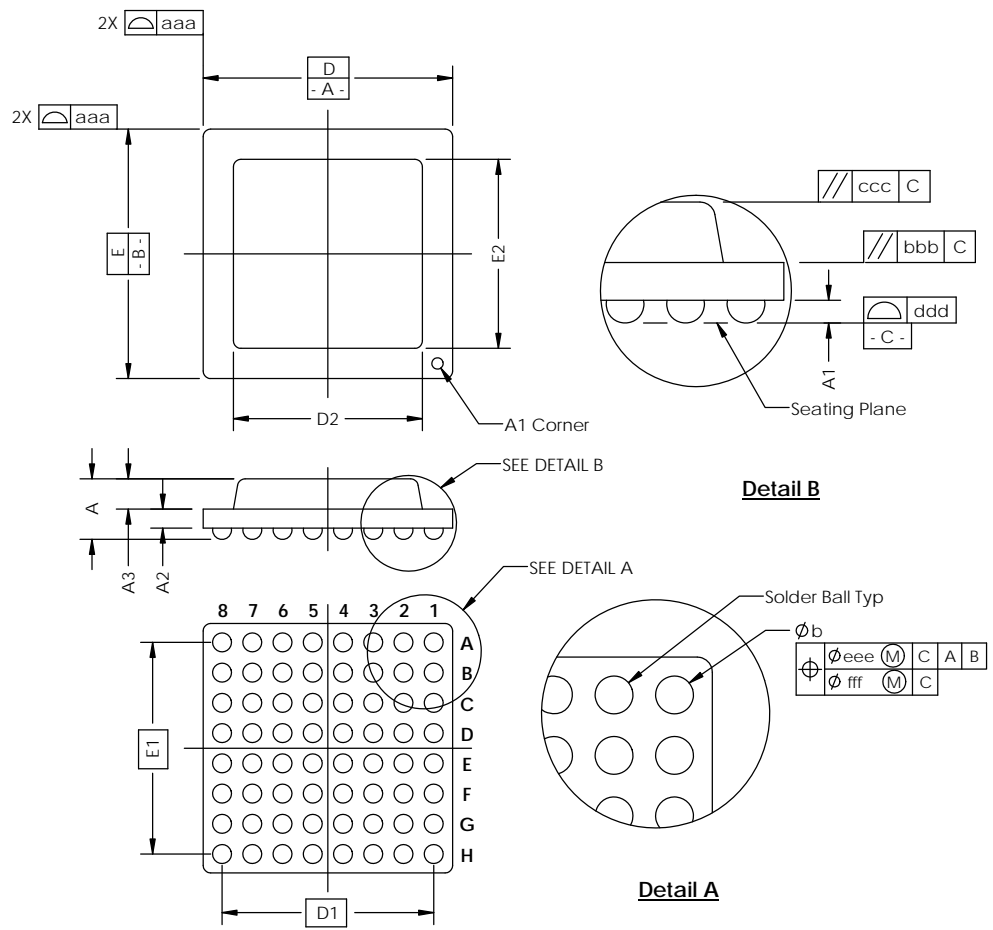
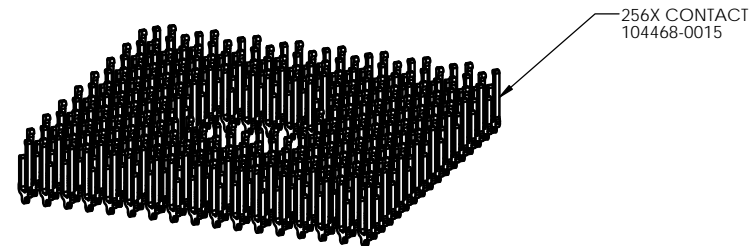
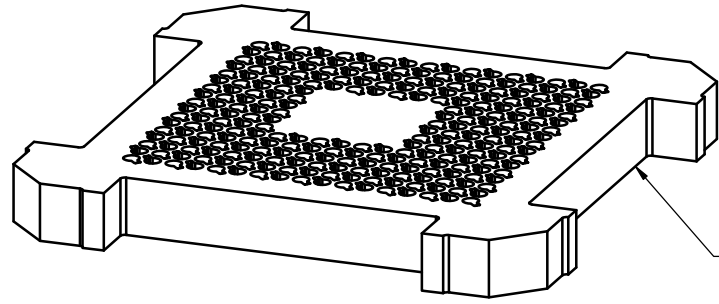
SCALE: 10:1

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>	12.50
Columns	<b>ND</b>	17		<b>E</b>	12.50
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**

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DIMENSIONS ARE IN MILLIMETERS	DRAWN	PVW	
TOLERANCES: ANGULAR: ± 1° XX ±0.25 XXX ±0.10 XXXX ±0.050	CHECKED	MP	
LEGEND:			TITLE: SCKT, 253G4012.5-0.50, WO/SOLDER BALLS
△ NOTE CALLOUT ○ REVISION CHANGE ○ ITEM NUMBER	DWG. NO. <b>107610-0010</b>		REV <b>A</b>
SCALE: 10:1		SIZE: C	SHEET 2 OF 2