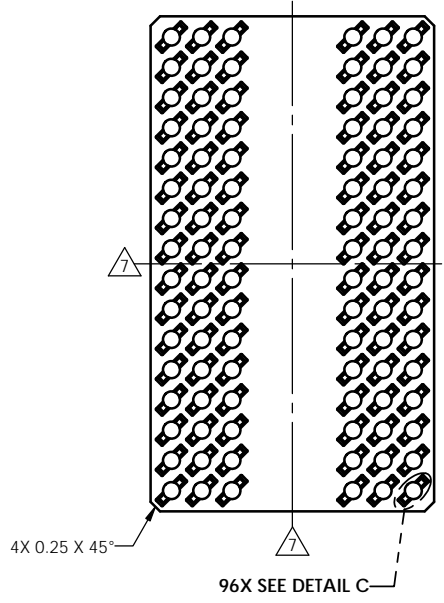
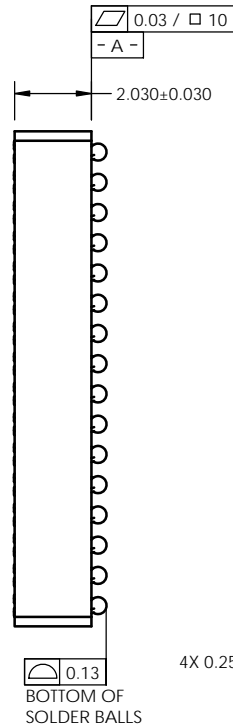
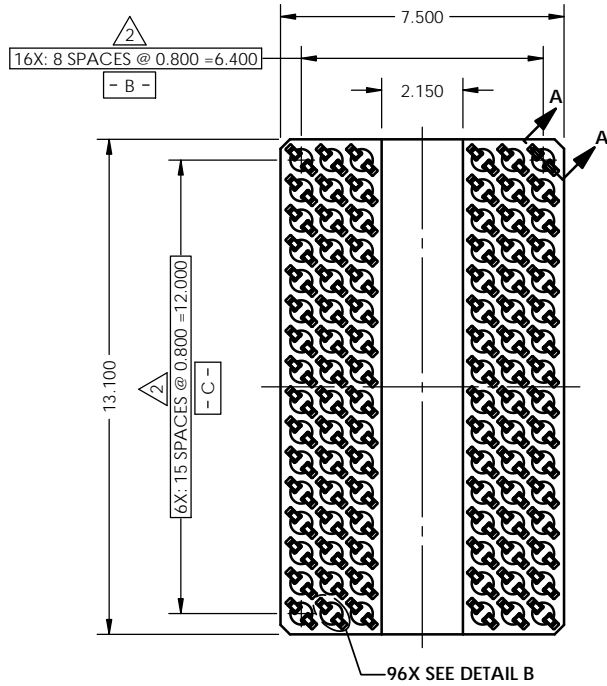
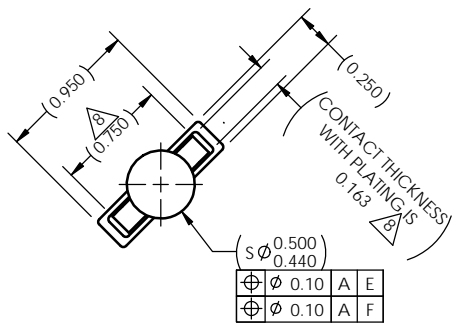
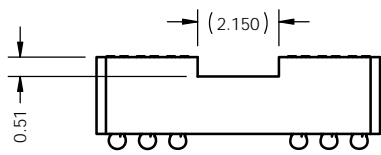


REV	ECO	BY	DESCRIPTION	APV	DATE
A	31470	AS	Initial Design	NSJ	01/30/14

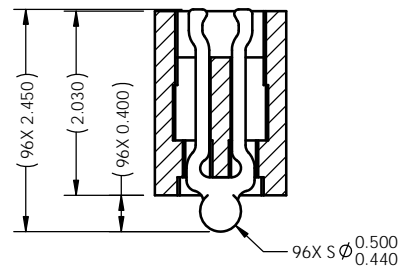


Notes:

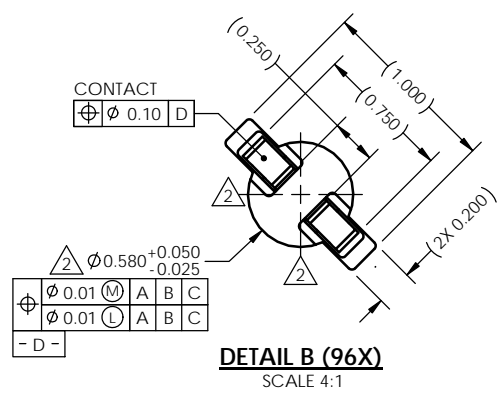
- Reference HSIO Technologies specification 103862-0004 for solder attachment.
- Locates center of contact/slot.
- Reference HSIO Technologies specification 103863-0001 for application notes.
- Footprint part number is 104311-0058.
- Datum **- B -** and **- C -** are determined by  $\phi 0.580$  opening in corner slots.
- Unless otherwise noted, all features are located  $\oplus 0.10$  A B C
- E -** Center of ball pattern.
- F -** Center of contact.



Parts List	
Part Number	Description
103864-0060	PRESS, DEVICE INSERT, GRYP 7.5X13.1 (SOLD SEPARATELY)
105900-0004	EXTRACTION TOOL, 4X53 (SOLD SEPARATELY)



**SECTION A-A**  
SCALE 2:1



**DETAIL B (96X)**  
SCALE 4:1

**DETAIL C (96X)**  
SCALE 4:1

**HSIO technologies**  
PROPRIETARY AND CONFIDENTIAL

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.

UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN MILLIMETERS  
TOLERANCES:  
ANGULAR ± 1°  
X.X ± 0.25  
X.XX ± 0.10  
X.XXX ± 0.050

INTERPRET GEOMETRIC TOLERANCING PER:

MATERIAL  
SEE BOM  
FINISH

DO NOT SCALE DRAWING

NAME	DATE
AS	01/30/14
MP	01/30/14

LEGEND:

- NOTE CALLOUT
- REVISION CHANGE
- ITEM NUMBER

**HSIO TECHNOLOGIES, LLC.**  
13300 67th AVENUE NORTH  
MAPLE GROVE, MINNESOTA 55311  
763-447-6260

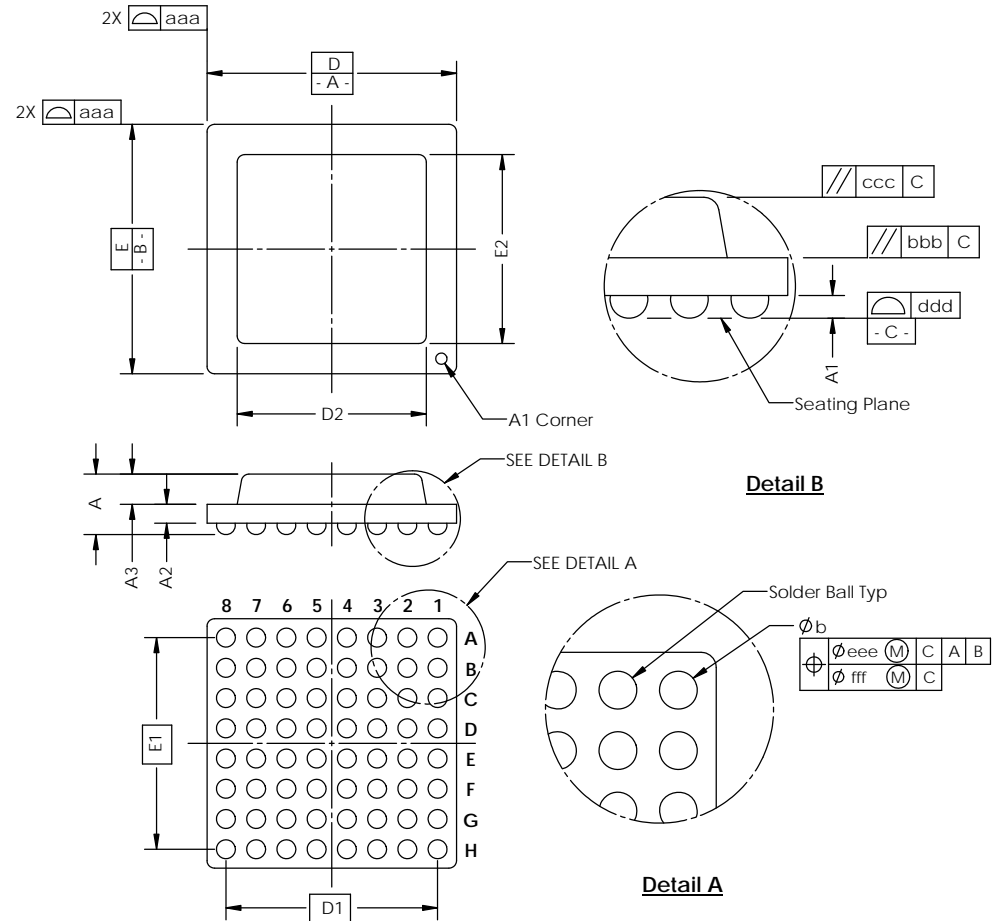
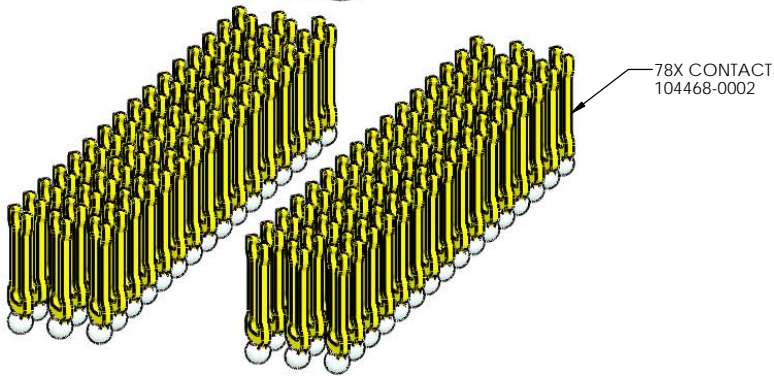
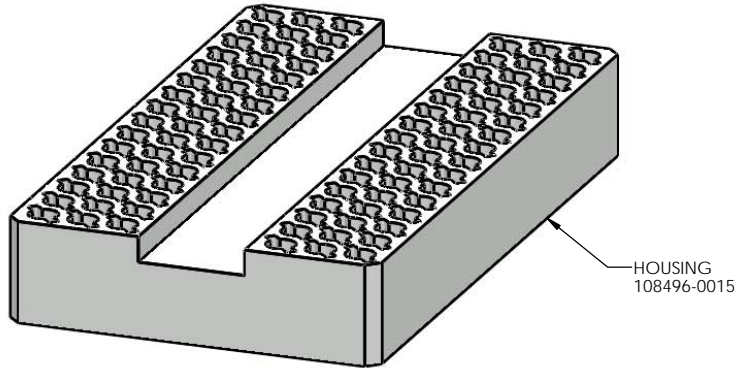
TITLE:  
SCKT, 96GRY7.5X13.1-0.80,  
W/EUTECTIC SOLDER BALLS

DWG. NO. **108493-0015** REV **A**


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

SOCKET FOR DEVICES THAT ARE WITHIN THESE SPECIFICATIONS					
Lead Count	<b>N</b>	96	Package Size	<b>D</b>	7.50
Columns	<b>ND</b>	9		<b>E</b>	13.10
Rows	<b>NE</b>	16	Ball Spacing	<b>D1</b>	6.400
Pitch	<b>e</b>	0.80		<b>E1</b>	12.000
Ball Size	<b>b</b>	0.45±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>	0.300 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>	0.20	Bottom	<b>ddd</b>	0.15
Substrate	<b>bbb</b>	0.20	Position	<b>eee</b>	0.20
top	<b>ccc</b>	0.20	Position	<b>fff</b>	0.08

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



**Generic Representation with Full Grid Array**

<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.			
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	AS 01/30/14	
TOLERANCES: ANGULAR: ±1° XX ±0.25 XXX ±0.10 X.XXX ±0.050	CHECKED	MP 01/30/14	
LEGEND:	 <b>HSIO</b> technologies		TITLE:
△ NOTE CALLOUT ○ REVISION CHANGE ○ ITEM NUMBER			SCKT, 96GRY7.5X13.1-0.80, W/EUTECTIC SOLDER BALLS
		DWG. NO.	REV
		<b>108493-0015</b>	<b>A</b>
		SCALE: 10:1	SIZE: C SHEET 2 OF 2