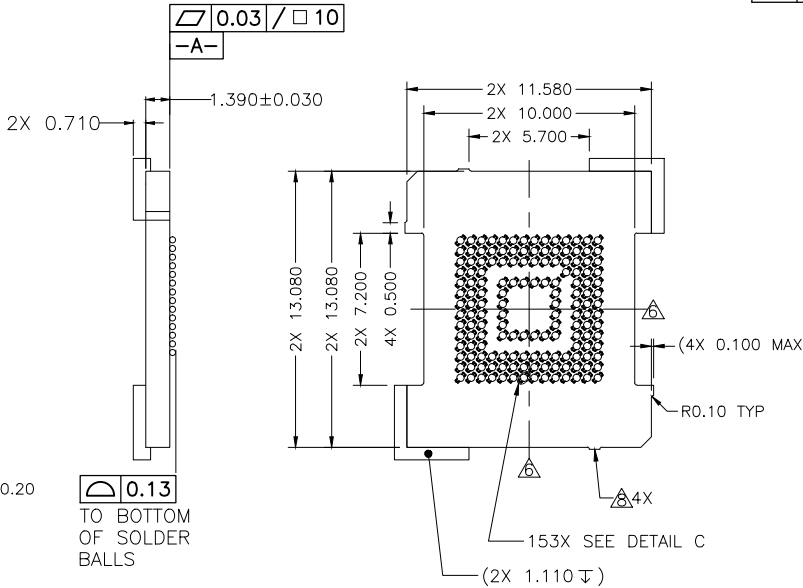
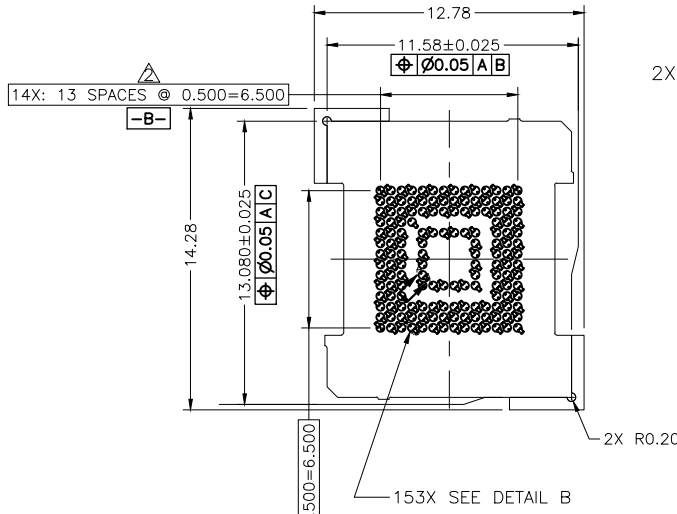
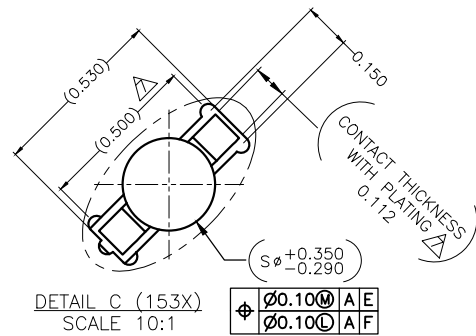
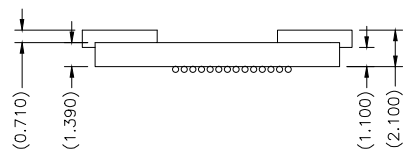


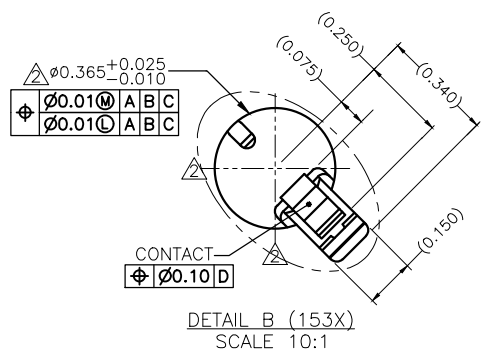
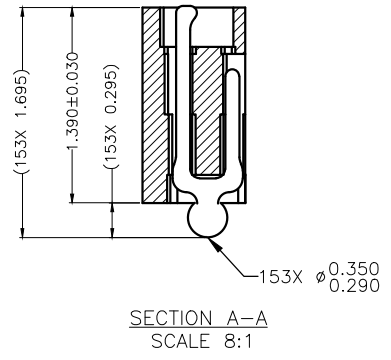
REV	ECO	BY	DESCRIPTION	APV	DATE
A	31866	RS	INITIAL DESIGN	NSJ	08/15/17
B	31902	RS	WAS $\phi 0.350$	NSJ	10/02/17



- NOTES:
- Reference HSI0 Technologies specification 700001-0001 for solder attachment.
  - $\triangle$  Locates center of contact/ slot.
  - Reference HSI0 Technologies specification 700001-0002 for application notes.
  - Footprint part number is 104311-0371.
  - Datums -B- and -C- are defined by  $\phi 0.365$  features on corner slots.
- $\triangle$  -E- Center of ball pattern.  
 $\triangle$  -F- Center of contact.  
 $\triangle$  Tooling marks permitted. Maximum 0.10 protrusion (shown).



Parts List	
Part Number	Description
103864-0128	PRESS, DEVICE INSERT, GRYP 11.5X13 (SOLD SEPARATELY)
105900-0004	EXTRACTION TOOL 4 X 53 (SOLD SEPARATELY)
104553-0330	STEN, FLEX, 153G4011.5X13-0.50 (SOLD SEPARATELY)



UNLESS OTHERWISE SPECIFIED - DIMENSIONS ARE IN MILLIMETERS - DIM'S APPLY AFTER PLATING

TOLERANCES UNLESS OTHERWISE NOTED:

ANGLES	DECIMALS	±"
XX	±0.25	
XXX	±0.10	
XXXX	±0.050	

LEGEND:

- $\triangle$  NOTE CALLOUT
- $\textcircled{1}$  REVISION CHANGE
- $\textcircled{X}$  ITEM NUMBER

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CAD GENERATED DRAWING DO NOT MANUALLY UPDATE

HSI0 TECHNOLOGIES, LLC.  
 13400 68TH AVENUE NORTH  
 MAPLE GROVE, MN 55311. 763-447-6260

DRAWING APPROVALS

NAME	DATE	TITLE
R. Sewharack	02/26/14	SCKT, 153G4011.5X13-0.50 WITH SAC305 SOLDER BALLS
N. St Jacques	02/26/14	

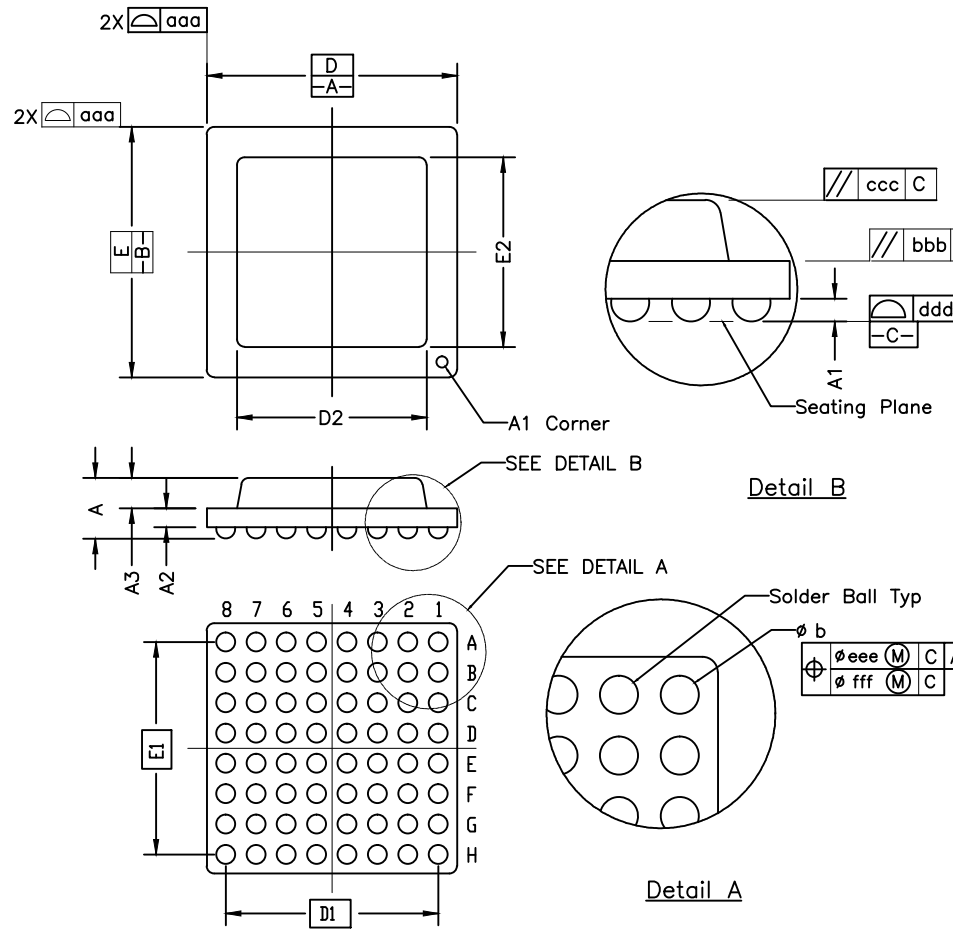
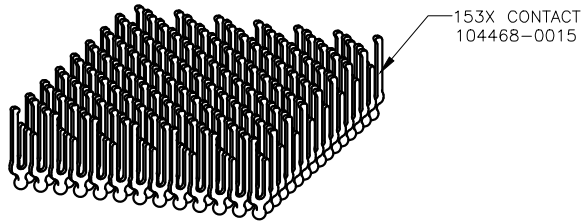
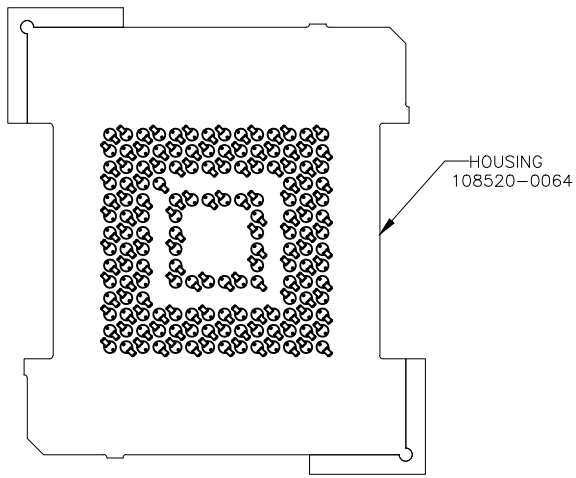
THIRD ANGLE PROJECTION

REV	CAD FORMAT	DRAWING NO.	MATERIAL	REV.
C	AUTOCAD	107250-0065	Cirlex	B

SCALE: 1 of 2

SOCKET FOR DEVICES THAT ARE WITHIN THESE SPECIFICATIONS					
Lead Count	N	153	Package Size	D	11.50
Columns	ND	14		E	13.00
Rows	NE	14	Ball Spacing	D1	6.500
Pitch	e	0.50		E1	6.500
Ball Size (B)	b	0.30±0.05	Encapsulant/ Top Size	D2	n/a
Total Thickness	A	n/a		E2	n/a
Ball Height	A1	0.225 MIN	Pattern Style	Irregular*	
Substrate Thickness	A2	n/a	Perimeter Rows	n/a	
Top Thickness	A3		Center Array	n/a	
Form Tolerances					
Edge	aaa	0.10	Bottom	ddd	0.08
Substrate	bbb	0.10	Position	eee	0.15
top	ccc	0.10	Position	fff	0.05

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



Generic Representation with Full Grid Array

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<small>UNLESS OTHERWISE SPECIFIED - DIMENSIONS ARE IN MILLIMETERS - DIM'S APPLY AFTER PLATING</small>		HSIQ TECHNOLOGIES, LLC. 13400 68TH AVENUE NORTH MAPLE GROVE, MN 55311. 763-447-6260	
<small>TOLERANCES UNLESS OTHERWISE NOTED:</small>		TITLE SCKT, 153G4011.5X13-0.50 WITH SAC305 SOLDER BALLS	
<small>ANGLES DECIMALS</small> <small>±1° X.X ±0.25</small> <small>X.XX ±0.10</small> <small>X.XXX ±0.050</small>	DATE C AUTOCAD 107250-0065 REV. B		
<small>LEGEND:</small> NOTE CALLOUT REVISION CHANGE ITEM NUMBER	SCALE MATERIAL See Pg 1 SHEET 2 of 2		