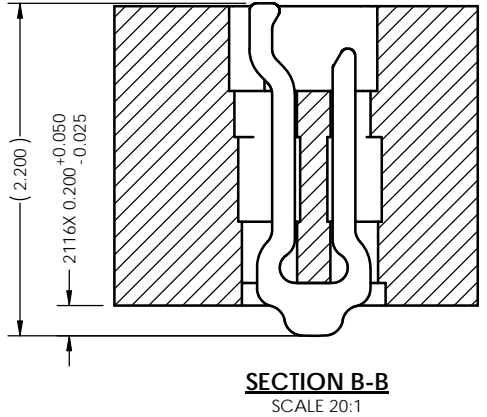
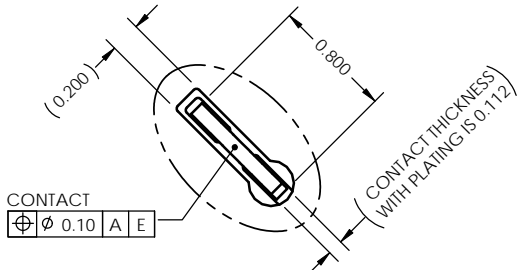
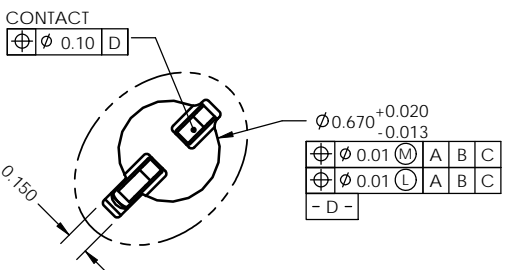
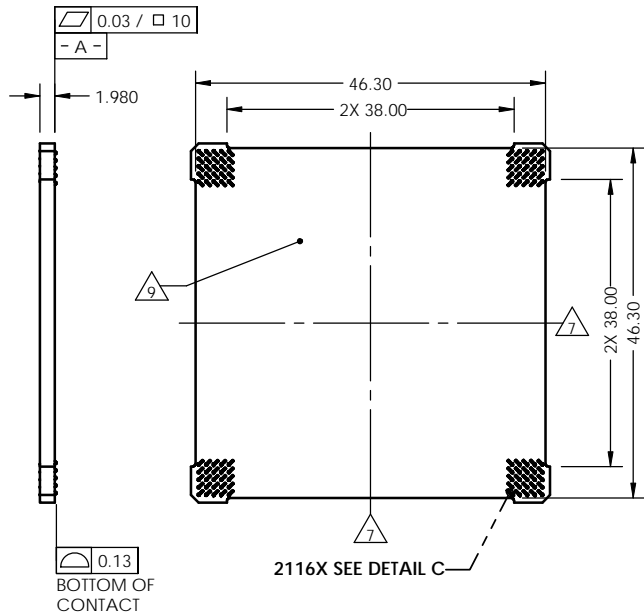
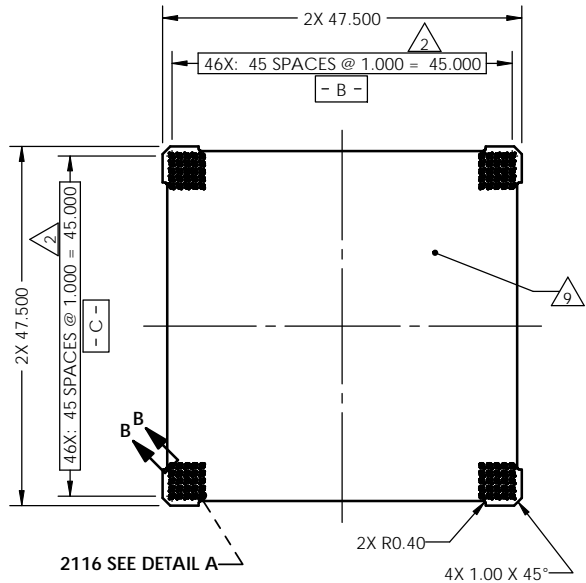


REV	ECO	BY	DESCRIPTION	APV	DATE
A	30863	SK	Initial Design	KW	08/12/11



- Notes:
- Footprint part number is 104311-0288.
  - Dimension locates center of slot/contact.
  - Unless otherwise noted, all features located  $\text{Ø} 0.10 \text{ A B C}$
  - Reference Cascade Microtech specification 103862-0001.
  - Press size is 47.5 x 47.5.
  - Datum  $- B -$  and  $- C -$  are determined by  $\text{Ø} 0.670$  opening in corner slots.
  - $- E -$  center of contact pattern.
  - Reference Cascade Microtech specification 103863-0001 for application notes.
  - Not all slots and contacts are shown.

PARTS LIST		
PART NUMBER	QTY	DESCRIPTION
106652-0020	-	SCKT, 2116G8047.5-1.00
106651-0020	1	CS, 2116G8047.5-1.00
103864-0134	1	PRESS, DEV, 47.5 (SOLD SEPARATELY)
104553-0218	1	STENCIL, 2116G8047.5-1.00 (SOLD SEPARATELY)

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN MILLIMETERS  
DIM5 APPLY AFTER PLATING  
TOLERANCES UNLESS OTHERWISE NOTED:

ANGLES ±1°	DECIMALS XX ±0.25 XXX ±0.10 XXXX ±0.050
------------	--

LEGEND:  
 (A) NOTE CALLOUT  
 (B) REVISION CHANGE  
 (C) ITEM NUMBER

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CAD GENERATED DRAWING  
DO NOT MANUALLY UPDATE

DRAWING APPROVALS

DESIGN: S. Klanderud	DATE 08/12/11
APPROV: K. Wilson	DATE 08/12/11

THIRD ANGLE PROJECTION

SCALE C	CAD FORMAT SOLIDWORKS	DESCRIPTION 106652-0020	REV A
SEE BOM		SHEET 1 of 2	

7115 NORTHLAND TERRACE SUITE 400  
BROOKLYN PARK, MN 55428  
(763) 509-0066

**SCKT, 2116G8047.5-1.00**

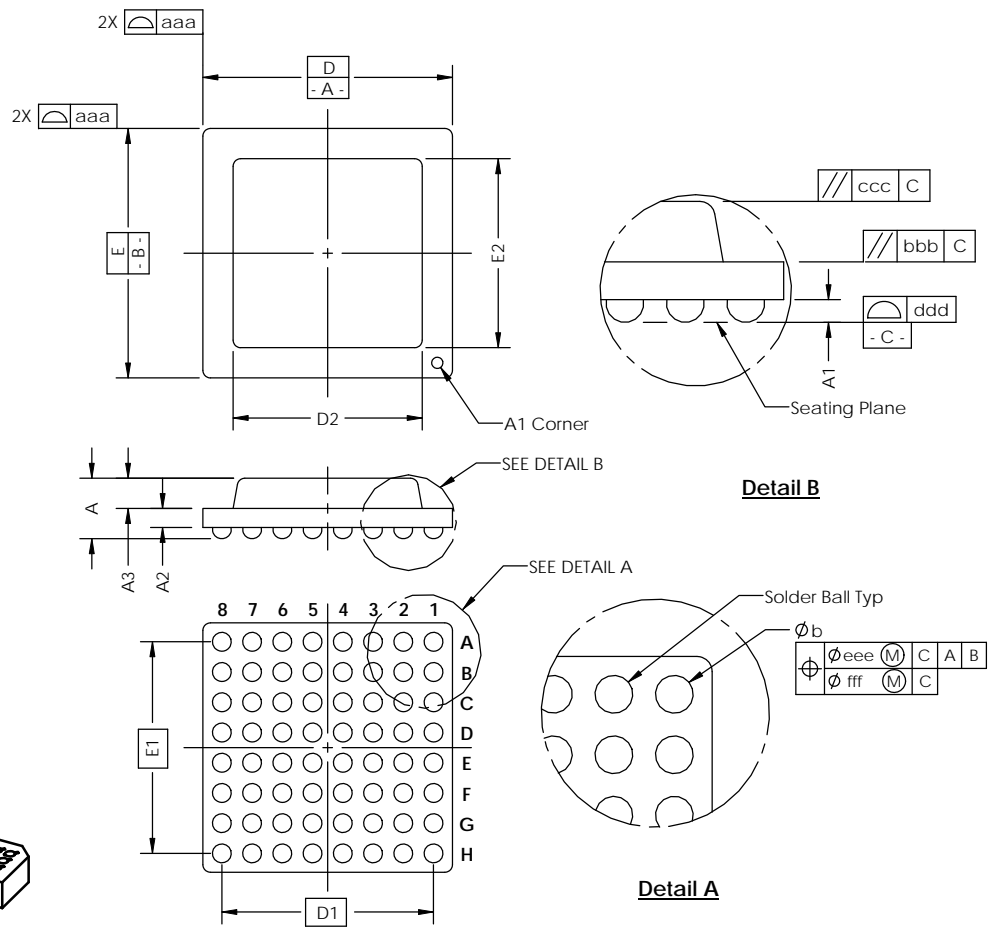
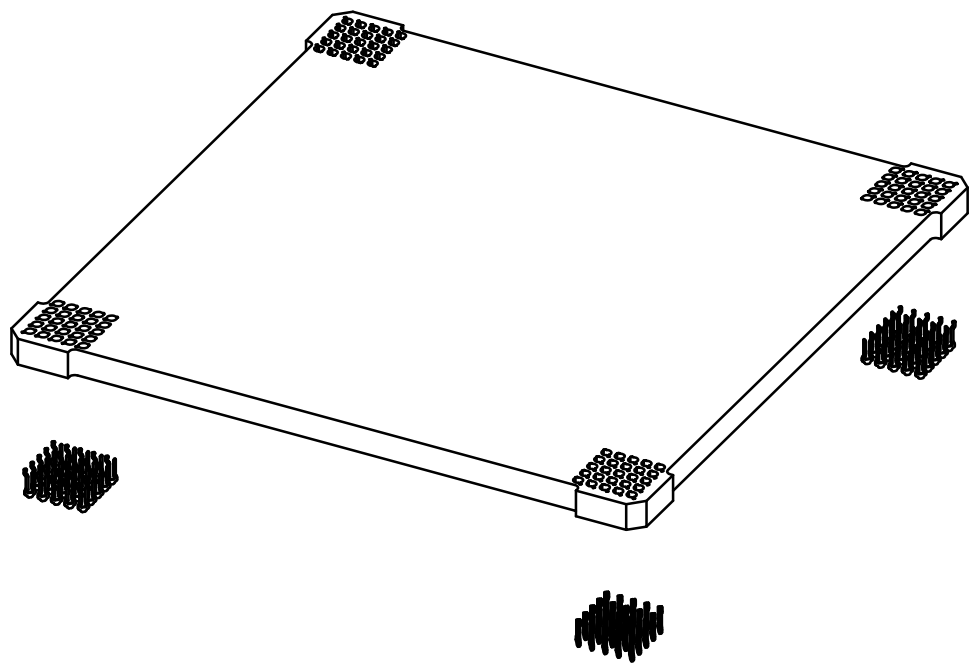
**DETAIL A (2116X)**  
SCALE 20:1

**DETAIL C (2116X)**  
SCALE 20:1

**SECTION B-B**  
SCALE 20:1

SOCKET FOR DEVICES THAT ARE WITHIN THESE SPECIFICATIONS					
Lead Count	<b>N</b>	2116	Package Size	<b>D</b>	47.50
Columns	<b>ND</b>	46		<b>E</b>	47.50
Rows	<b>NE</b>	46	Ball Spacing	<b>D1</b>	45.000
Pitch	<b>e</b>	1.00		<b>E1</b>	45.000
Ball Size	<b>b</b>	0.60±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>	0.375 MIN	Pattern Style	FULL GRID	
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 for pattern details.



**Generic Representation with Full Grid Array**

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UNLESS OTHERWISE SPECIFIED  
- DIMENSIONS ARE IN MILLIMETERS  
- DIMES APPLY AFTER PLATING  
TOLERANCES UNLESS OTHERWISE NOTED:

ANGLES	DECIMALS
±1°	X.X .0125
	X.XX .0130
	X.XXX ±.050

LEGEND:

- (X) NOTE CALLOUT
- (R) REVISION CHANGE
- (I) ITEM NUMBER

7115 NORTHLAND TERRACE SUITE 400 BROOKLYN PARK, MN 55428 (763) 509-0066	
<b>SCKT, 2116G8047.5-1.00</b>	
SCALE: C	DATE: 10/20/10
DRAWN BY: SOLIDWORKS	DRAWING NO: 106652-0020
MATERIAL: See Page 1	REV: A
PAGE: 2 of 2	