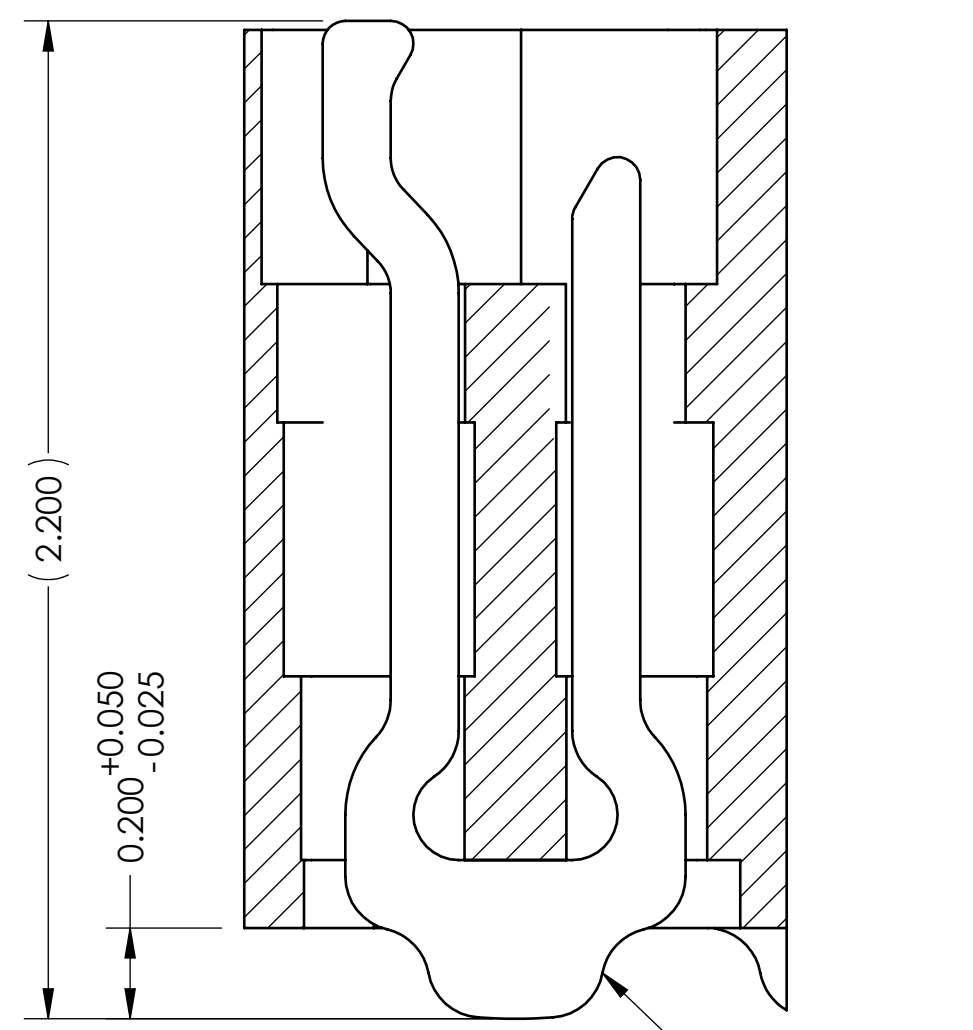


**DETAIL A**  
Scale 10:1



**SECTION B-B**  
Scale 10:1  
(ROTATED 45° CW)

- Notes:
1. Footprint part number is 104311-0142
  - 2 Dimension locates center of contact/slot
  3. Press size is 18.0 x 27.0
  - 4 This area is fully populated with slots and contacts.

A	CW	Initial Release	MP	05/14/09
REV	ECO	BY	DESCRIPTION	APV DATE
<b>GRYPHICS</b> DO NOT SCALE DRAWING			UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES UNLESS OTHERWISE NOTED: ANGLES ±1° X.X ±0.25 X.XX ±0.10 X.XXX ±0.050	
			THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GRYPHICS, INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GRYPHICS, INC. IS PROHIBITED	
DRAWN: C. Wymer		CHECKED:	APPV'D: M. Peery	
DATE: 05/14/09		DATE:	DATE: 05/14/09	
TITLE				
<b>SOCKET, 442GRYH18X27-1.0</b>				
DWG. NO.		MATERIAL	REV.	
<b>106652-0002</b>		SEE BOM	<b>A</b>	
PAGE 1 OF 1				

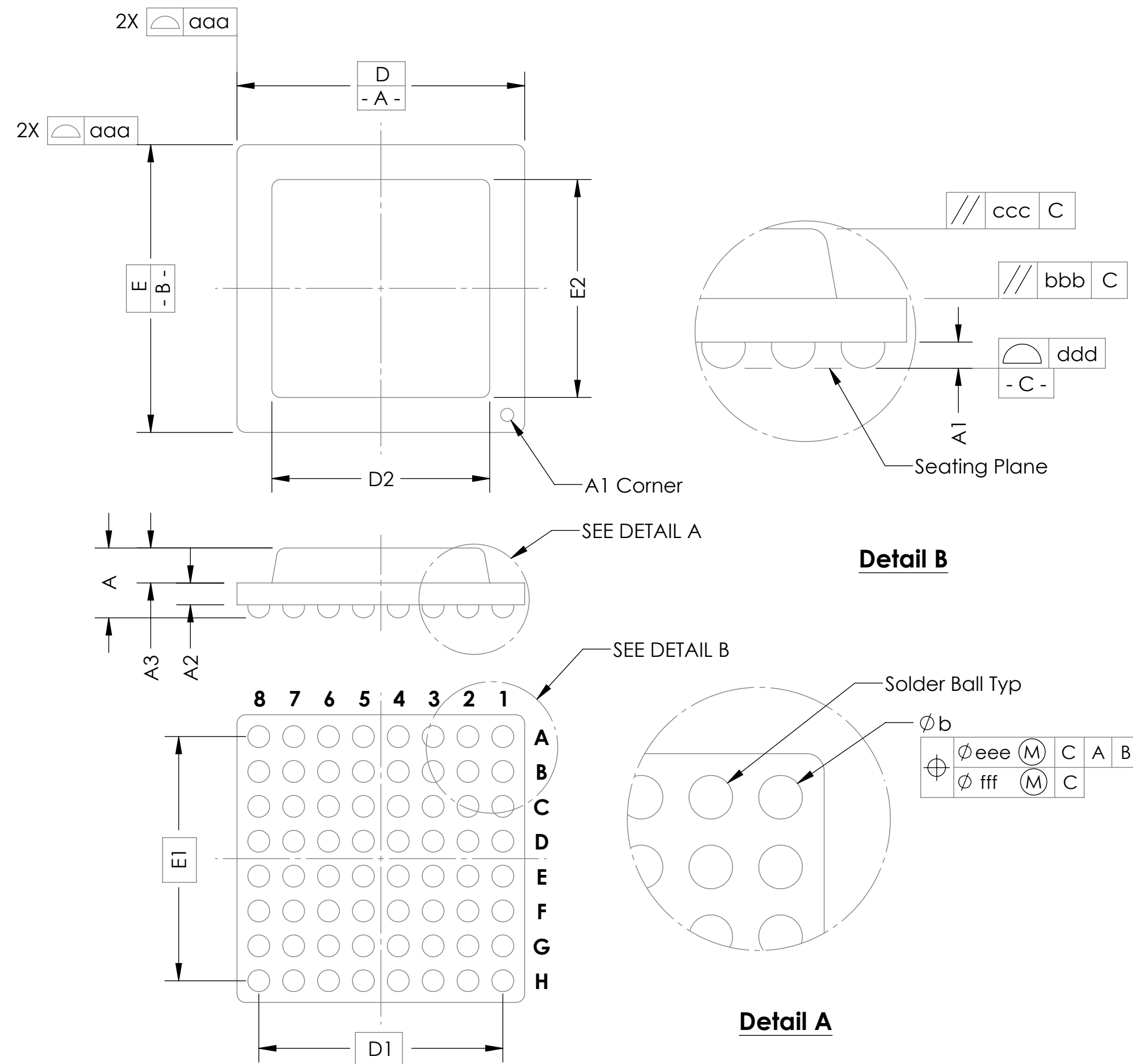
**SOCKET FOR DEVICES THAT ARE WITHIN THESE SPECIFICATIONS**

Lead Count	<b>N</b>	442	Package Size	<b>D</b>	18.00
Columns	<b>ND</b>	17		<b>E</b>	27.00
Rows	<b>NE</b>	26	Ball Spacing	<b>D1</b>	16.00
Pitch	<b>e</b>	1.00		<b>E1</b>	25.00
Ball Size	<b>b</b>	0.60±0.05	Encapsulant/ Top Size	<b>D2</b>	14.50
Total Thickness	<b>A</b>	N/A	Pattern Style	<b>E2</b>	23.50
Ball Height	<b>A1</b>	0.450 Min	Perimeter Rows	Full Grid*	
Substrate Thickness	<b>A2</b>	N/A	Center Array	n/a	
Top Thickness	<b>A3</b>				

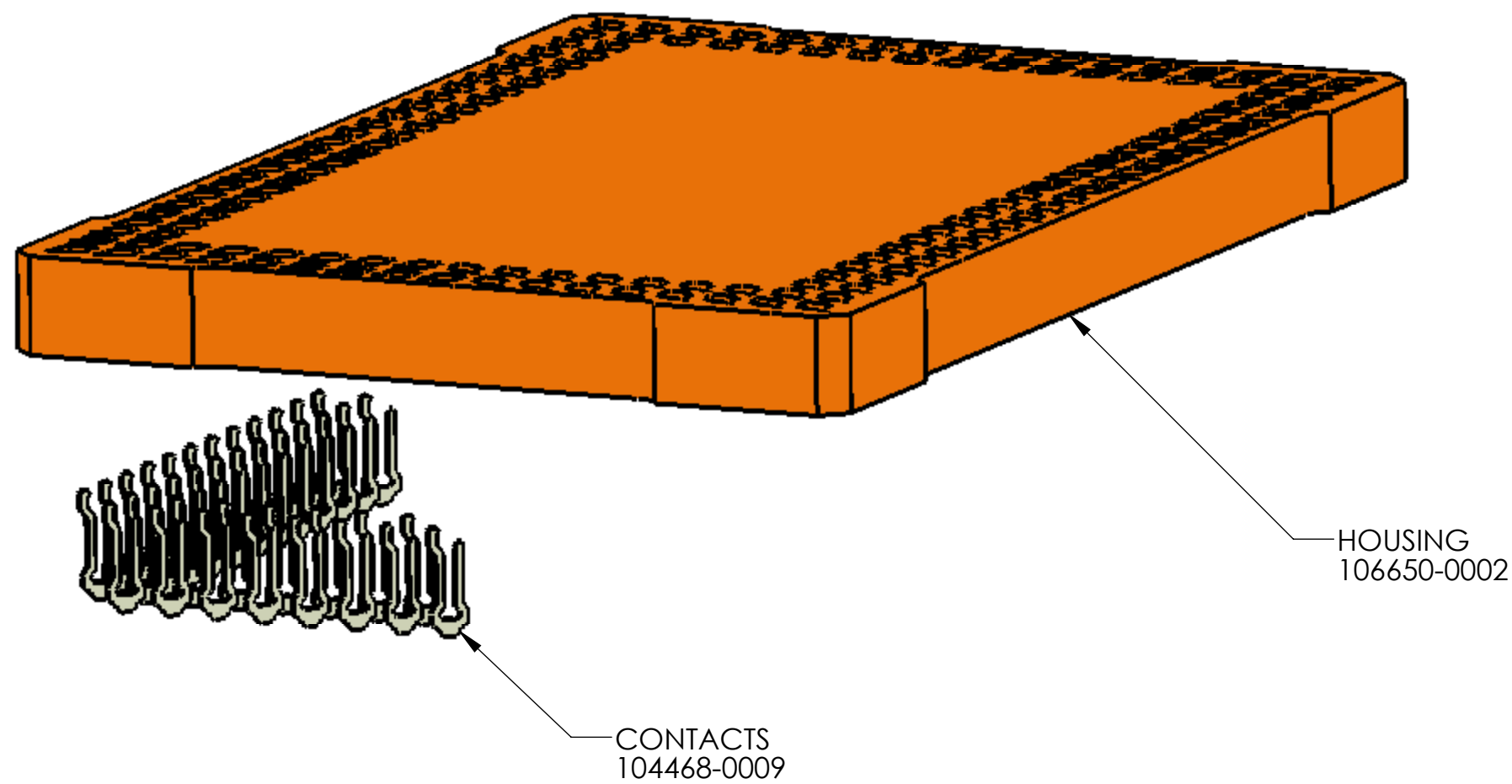
**Form Tolerances**

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**



Notes:  
SEE PAGE 1.

<p><b>GRYPHICS</b></p> <p><b>DO NOT SCALE DRAWING</b></p>		<p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS</p>							
		<p>TOLERANCES UNLESS OTHERWISE NOTED:</p> <table border="0"> <tr> <td>ANGLES</td> <td>±1°</td> </tr> <tr> <td>X.X</td> <td>±0.25</td> </tr> <tr> <td>X.XX</td> <td>±0.10</td> </tr> <tr> <td>X.XXX</td> <td>±0.050</td> </tr> </table>		ANGLES	±1°	X.X	±0.25	X.XX	±0.10
ANGLES	±1°								
X.X	±0.25								
X.XX	±0.10								
X.XXX	±0.050								
<p>THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GRYPHICS, INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GRYPHICS, INC. IS PROHIBITED</p>									
<p>TITLE</p> <p><b>SOCKET, 442GRYH18X27-1.0</b></p>									
DWG. NO.	MATERIAL	REV.							
<b>106652-0002</b>	See Page 1	<b>A</b>							
		PAGE 2 OF 2							