

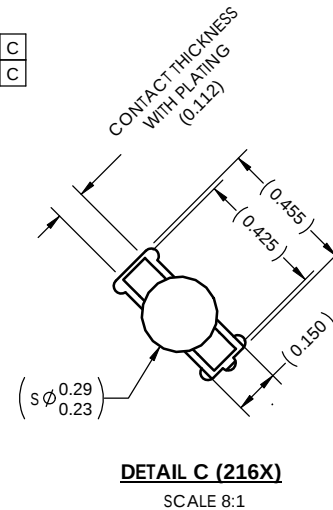
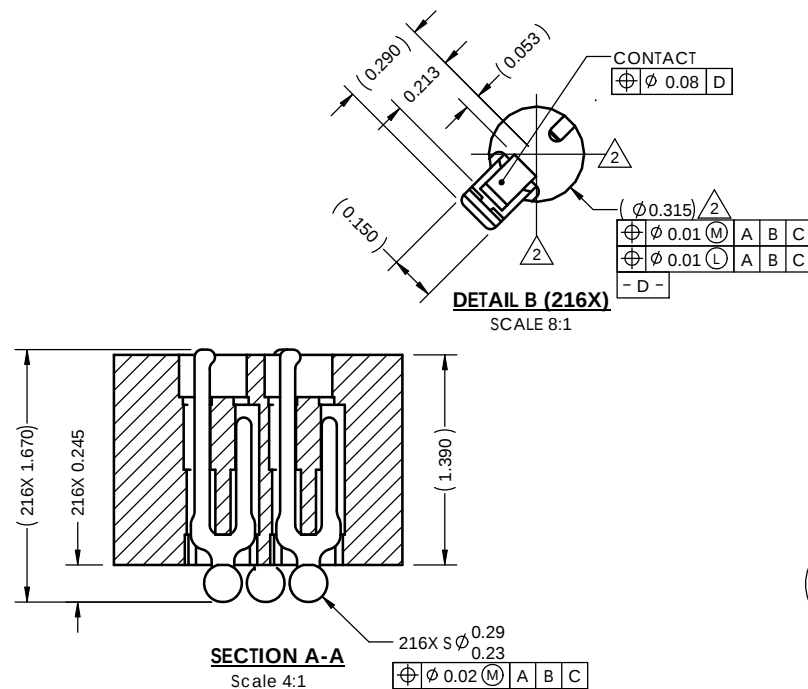
REV	ECO	BY	DESCRIPTION	APV	DATE
A		AS	Initial Design	MC	11/09/09
B		AS	Added tooling marks to housing and added note 6	MC	11/20/09
C	30994	JJN	Added Stencil to parts list	KDW	01/17/12

Notes:

- Reference Cascade Microtech specification 103862-0001 for solder attachment.
- Dimension locates center of contact/ slot.
- Reference Cascade Microtech specification 103863-0001 for application notes.
- Footprint part number is 104311-0156.
- Datums B and C are determined by $\varnothing 0.315$ openings on corner slots.
- Tooling marks permitted. Maximum 0.10 protrusion (shown).

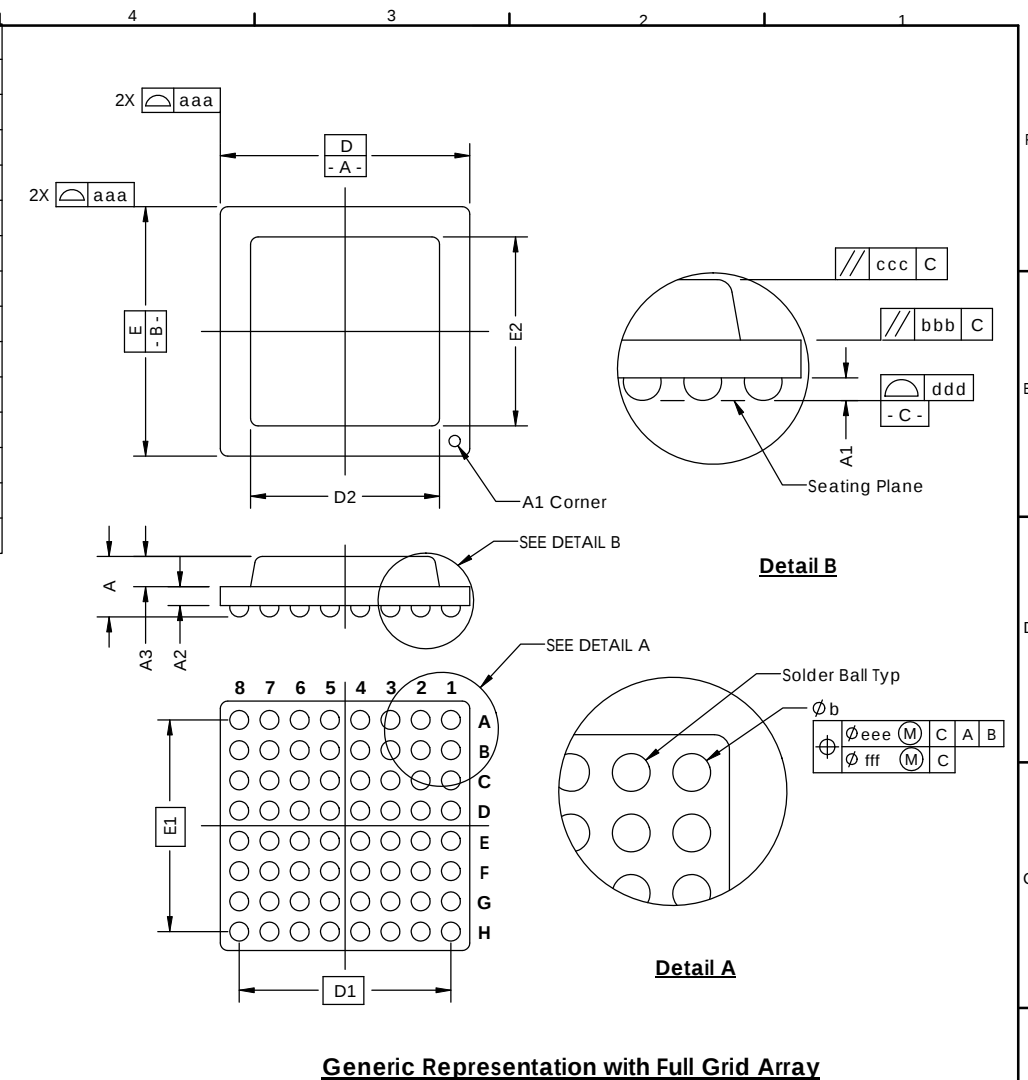
Parts List				
Item	Qty	Part Number	Description	
-	-	107140-0002	SCKT, 216G4012-0.40	
-	-	103864-0002	PRESS, DEVICE INSERT, GRYP 12X12 (SOLD SEPARATELY)	
-	-	105900-0004	EXTRACTION TOOL, 4 X 53 (SOLD SEPARATELY)	
-	-	107030-0002	STEN, FLEX, 216G40 12-0.4	
1	1	107141-0002	CS, 216G40 12-0.40 W/SOLDER BALLS	
1.1	1	107143-0002	HSG, 216G4012-0.40	
1.2	216	104468-0014	CONTACT, G40 , HALF, $\varnothing 0.25$, TIN, 0.1016	

UNLESS OTHERWISE SPECIFIED - DIMENSIONS ARE IN MILLIMETERS - DIM'S APPLY AFTER PLATING TOLERANCES UNLESS OTHERWISE NOTED:		THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF CASCADE MICROTECH, INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF CASCADE MICROTECH, INC. IS PROHIBITED.	
ANGLES $\pm 1^\circ$	DECIMALS XX ± 0.25 XXX ± 0.10 XXXX ± 0.050	CAD GENERATED DRAWING DO NOT MANUALLY UPDATE	
DRAWING APPROVALS		7115 NORTHLAND TERRACE SUITE 400 BROOKLYN PARK, MN 55428 (763) 509-0066	
LEGEND:		NAME A. Seiberlich DATE 11/09/09	
NOTE CALLOUT REVISION CHANGE ITEM NUMBER		APPROV M. Cavegn DATE 11/09/09	
THIRD ANGLE PROJECTION		CAD FORMAT C SOLIDWORKS DRAWING NO. 107140-0002 REV C	
SCALE		SEE BOM	
SHEET		1 of 2	



8		7		6		5	
SOCKET FOR DEVICES THAT ARE WITHIN THESE SPECIFICATIONS							
Lead Count	N	216	Package Size	D	12.00		
Columns	ND	29		E	12.00		
Rows	NE	29	Ball Spacing	D1	11.200		
Pitch	e	0.40		E1	11.200		
Ball Size	b	0.25±0.05	Encapsulant/ Top Size	D2	n/a		
Total Thickness	A	n/a		E2	n/a		
Ball Height	A1	0.175 MIN	Pattern Style	Perimeter*			
Substrate Thickness	A2	n/a	Perimeter Rows	2			
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.							

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



Generic Representation with Full Grid Array

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF CASCADE MICROTECH, INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF CASCADE MICROTECH, INC. IS PROHIBITED.			
UNLESS OTHERWISE SPECIFIED - DIMENSIONS ARE IN MILLIMETERS - DIMS APPLY AFTER PLATING TOLERANCES UNLESS OTHERWISE NOTED: DECIMALS ANGLES X.XX ±0.25 X.XX ±0.10 X.XXX ±0.050		7115 NORTHLAND TERRACE, SUITE 400 BROOKLYN PARK, MN 55428 (763) 509-0066	
SCKT, 216G4012-0.40 W/SOLDER BALLS			
LEGEND: (X) NOTE CALLOUT (A) REVISION CHANGE (X) ITEM NUMBER	C DAD FORMAT SOLIDWORKS	DRAWING NO. 107140-0002	REV. C
SCALE See Page 1		SHEET 2 of 2	