

FIG 1 ZA1-10-2-1.00-X-10 SHOWN
(DUAL COMPRESSION)
(SOME CENTER FEATURES REMOVED FOR CLARITY)

NOTES:

1. © REPRESENTS A CRITICAL DIMENSION.
2. CONTACT POINTS ARE MEASURED IN UNCOMPRESSED STATE.
3. RECOMMENDED SCREW SIZE: M1.6
4. ELECTRICAL TEST: TESTED TO STANDARD 100% ISOLATION & CONTINUITY TESTS REQUIRED

100% HI-POT REQUIRED AT 300V MINIMUM PIN TO PIN ISOLATION TO BE 200 MEGA OHMS

5. PARTS TO BE PACKAGED IN TRAYS.
6. DIMENSION AFTER FINAL REFLOW IS 1.000[.0394].
7. MAXIMUM BURR AFTER DICING: 0.125[.005].
8. PARTS TO BE PROCESSED PER SAMTEC WORKMANSHIP GUIDELINES: NA-ZR-WI-3015-M.

9. PAD SIZE IS DEFINED BY SOLDERMASK OPENING; SOLDERMASK THICKNESS IS 0.0254±0.0127mm

10. TOTAL STACK HEIGHT OF MATERIAL LAYERS IS RÉPRESENTED IN CONTACT ARRAY AREA. AREAS OUTSIDE OF THE ARRAY HAVE THE FOIL LAYER REMOVED RESULTING IN THINNER PROFILE DIMENSION OUTSIDE OF ARRAY.

JIFIED,
CIFIED, METERS

DECIMALS ANGLES X.X: ±0.3 [.01] X.XX: ±0.13 [.005] X.XXX: ±0.051 [.0020] 2 °

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CONTACT: BeCu CORE: FR4 COVERLAY: POLYIMIDE



520 PARK EAST BLVD, NEW ALBANY, IN 47150 PHONE: 812-944-6733 FAX e-Mail info@SAMTEC.com FAX: 812-948-5047

"B"

12.300 [.4843]

22.300 [.8780]

36.300 [1.4291]

46.300 [1.8228]

"C"

9.00 [.354]

19.00 [.748]

33.00 [1.299]

43.00 [1.693]

DESCRIPTION

"A"

14.30 [.563]

24.30 [.957]

38.30 [1.508]

48.30 [1.902]

No OF

POS

-10

-20

-30

-40

1.0mm PITCH ZRAY ASSEMBLY

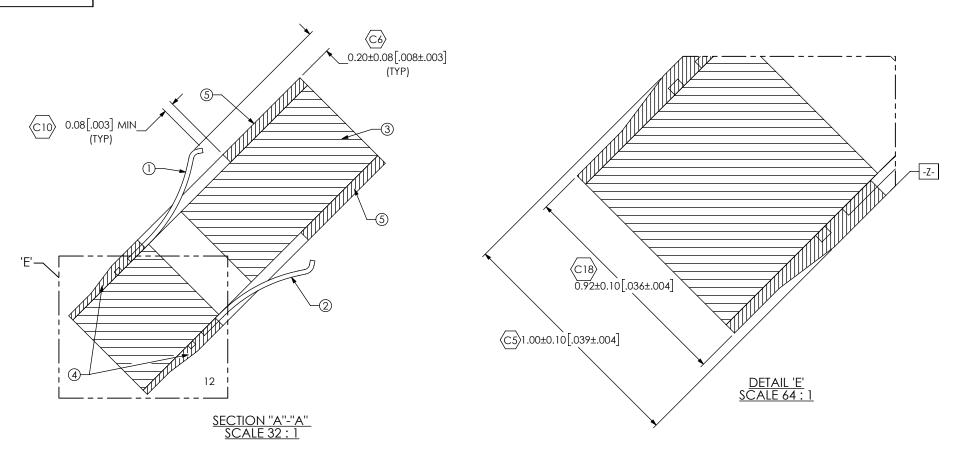
DWG. NO

ZA1-XX-X-X.XX-X-XX-X

:\DWG\MISC\MKTG\ZA1-XX-X-X.XX-X-XX-X-MKT.SLDDRW

BY: D.SCHMELZ 01/08/2014 SHEET 1 OF 6

REVISION G



	ZA1-XX-2-X.XX-X-XX-X BOM						
ITEM NO.	PART NUMBER	DESCRIPTION	10X10 QTY	20X10 QTY	30X10 QTY	40X10 QTY	MATERIAL
1	FOIL-0002-NS-01	CONTACT	.01111	.01667	.03333	.03333	BeCu
2	FOIL-0002-FS-01	CONTACT	.01111	.01667	.03333	.03333	BeCu
3	PCB-(SEE TABLE 2)	CORE	.01111	.01667	.03333	.03333	FR4
4	FR1515-6X9-0002	BOND PLY	.02222	.03333	.06667	.06667	A DHESIVE/POLY IMIDE FILM
5	ZCF-BL03-FR01-1209-BK	COVERFILM	.01111	.01667	.03333	.03333	A DHESIV E/POLY IMIDE FILM
6	TRAY-(SEE TABLE 2)	TRAY	.02500	.02857	.04000	.05000	CLEAR ESD COATED RPET

TABLE 2					
No OF		DOD 400540 744 VV 40 04			
POS	COMPRESSON	PCB-106543-ZA1-XX-10-01	CAM DATA	TRAY	
-10	-2	PCB-106543-ZA1-10-10-01	ZR-00011	TY-ZA1001	
-20	-2	PCB-106543-ZA1-20-10-01	ZR-00012	TY-ZA1002	
-30	-2	PCB-106543-ZA1-30-10-01	ZR-00013	TY-ZA1003	
-40	-2	PCB-106543-ZA1-40-10-01	ZR-00014	TY-ZA1004	

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DESCRIPTION:

1.0mm PITCH ZRAY ASSEMBLY

DWG. NO.

ZA1-XX-X-X.XX-X-XX-X

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REVISION G

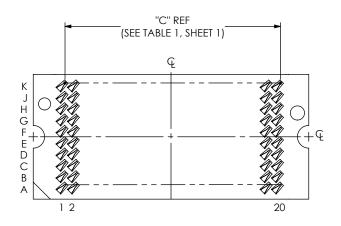
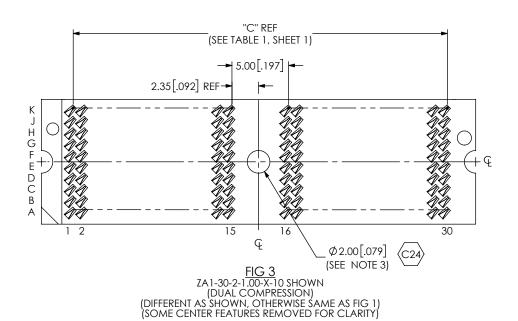


FIG 2

ZA1-20-2-1.00-X-10 SHOWN
(DUAL COMPRESSION)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
(SOME CENTER FEATURES REMOVED FOR CLARITY)



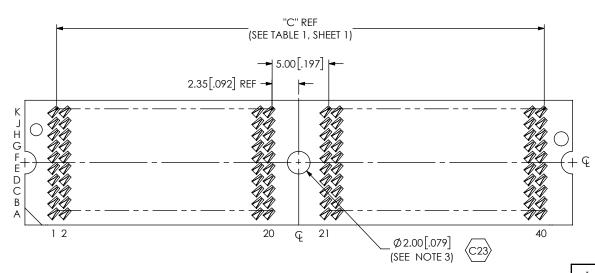


FIG 4

ZA1-40-2-1.00-X-10 SHOWN
(DUAL COMPRESSION)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
(SOME CENTER FEATURES REMOVED FOR CLARITY)

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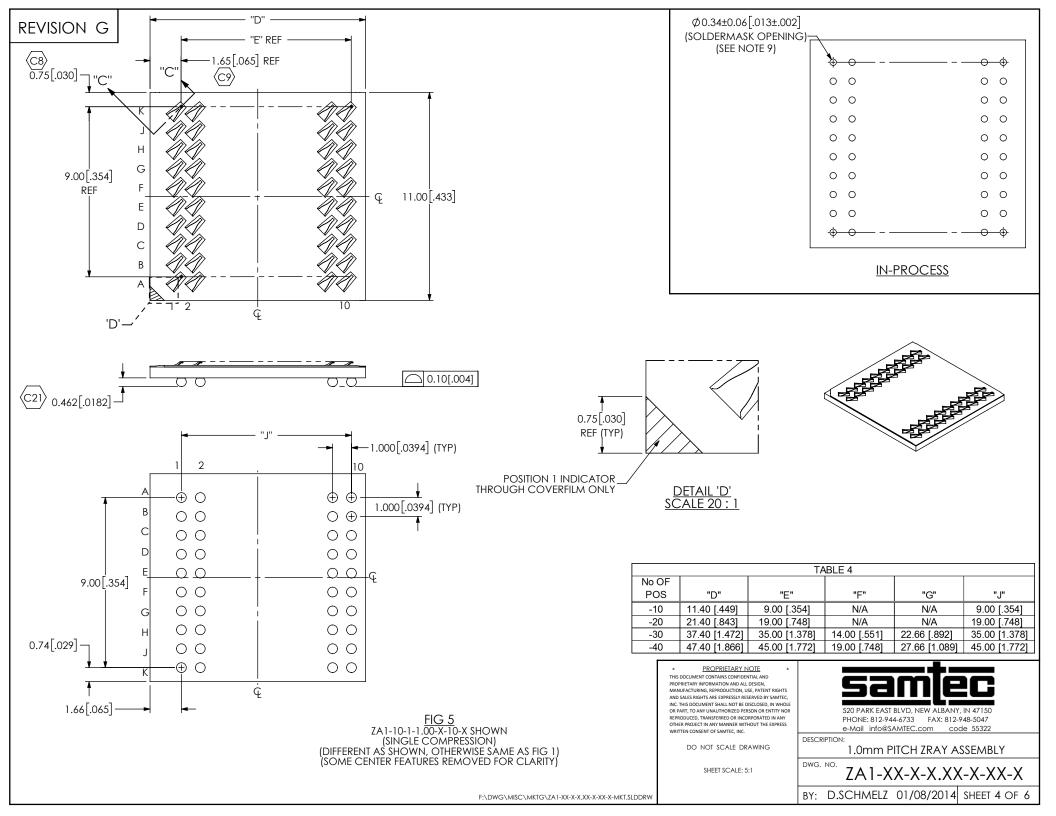
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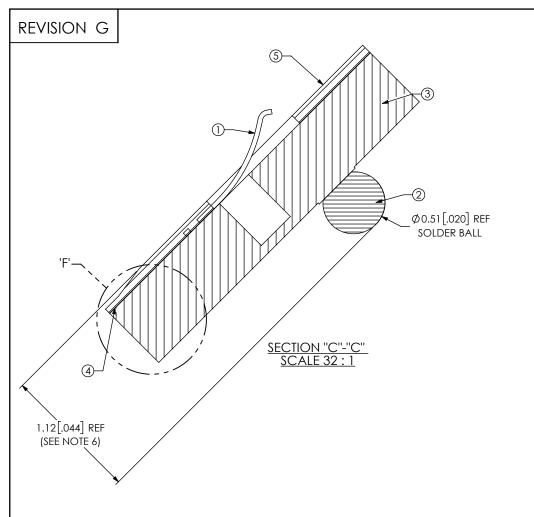
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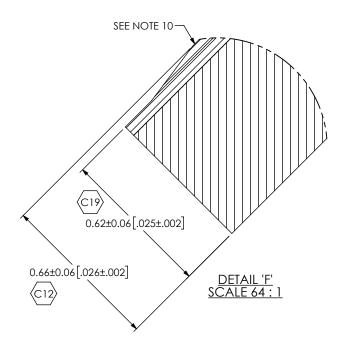
1.0mm PITCH ZRAY ASSEMBLY

DWG NO

ZA 1-XX-X-X.XX-X-XX-X
BY: D.SCHMELZ 01/08/2014 SHEET 3 OF 6







	ZA1-XX-1-X.XX-X-XX-X BOM						
ITEM NO.	PART NUMBER	DESCRIPTION	10X10 QTY	20X10 QTY	30X10 QTY	40X10 QTY	MATERIAL
1	FOIL-0002-NS-01	CONTACT	.00667	.01667	.03333	.03333	BeCu
2	SDB-(SEETABLE 5)	SOLDER BALL	100	200	300	400	SEE CALLOUT
3	PCB-(SEE TABLE 3)	CORE	.00667	.01667	.03333	.03333	FR4
4	LF1535-6X9-0002	BOND PLY	.00667	.01667	.03333	.03333	A DHESIVE/POLYIMIDE FILM
5	ZCF-BL03-FR01-1209-BK	COVERFILM	.00334	.00834	.01667	.01667	A DHESIVE/POLYIMIDE FILM
6	PPP-77-11.00	P&PPAD	1	1	1	1	LCP
7	TRAY-(SEE TABLE 3)	TRAY	.02500	.02857	.04000	.05000	CLEAR ESD COATED RPET

TABLE 3					
No OF		PCB-106859-ZA1-XX-XX-01			
POS	COMPRESSION	PCB-106659-ZA1-XX-XX-01	CAM DATA	TRAY	
-10	-1	PCB-106859-ZA1-10-10-01	ZR-00015	TY-ZA1005	
-20	-1	PCB-106859-ZA1-20-10-01	ZR-00039	TY-ZA1006	
-30	-1	PCB-106859-ZA1-30-10-01	ZR-00017	TY-ZA1007	
-40	-1	PCB-106859-ZA1-40-10-01	ZR-00018	TY-ZA1008	

TABLE 5				
SOLDER				
COMPOSITION	SDB-020-XXXX			
-1	SDB-020-6337			
-2	SDB-020-9653			

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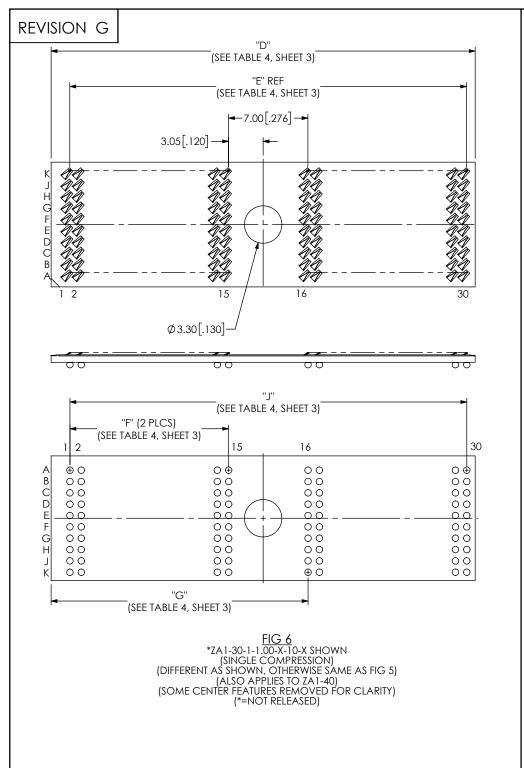
DESCRIPTION:

1.0mm PITCH ZRAY ASSEMBLY

DWG. NO.

ZA1-XX-X-X.XX-X-XX-X

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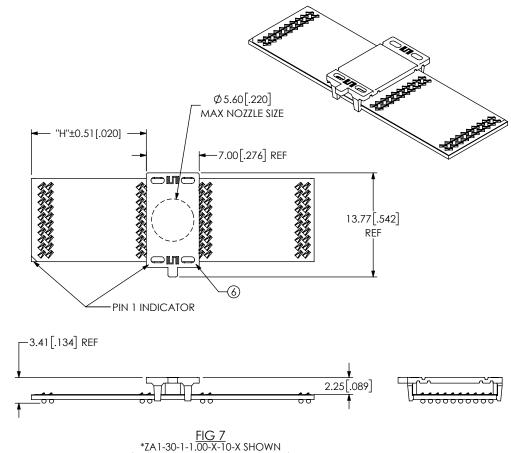


FIG 7

*ZA1-30-1-1.00-X-10-X SHOWN
(SINGLE COMPRESSION WITH PPP)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 6)
(SOME CENTER FEATURES REMOVED FOR CLARITY)
(*=NOT RELEASED)

TABLE 6				
No OF				
POS	"H"			
-10	2.20 [.087]			
-20	7.20 [.283]			
-30	15.20 [.598]			
-40	20.20 [.795]			

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DESCRIPTION:

1.0mm PITCH ZRAY ASSEMBLY

DWG NO

ZA1-XX-X-X.XX-X-XX-X

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