

1. REPRESENTS A CRITICAL DIMENSION.

2. CONTACT POINTS ARE MEASURED IN UNCOMPRESSED STATE. 3. RECOMMENDED SCREW SIZE: M1.6.

4. ELECTRICAL TEST: 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 GUIDELINE: NA-ZR-WI-3015-M.

9. PAD SIZE IS DEFINED BY SOLDERMASK OPENING; SOLDERMASK THICKNESS

IS .0254MM +/- .0127MM.

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

IN THINNER PROFILE DIMENSION OUTSIDE OF ARRAY.

11. INSPECTION IS OF THE CENTER AND HIGHEST POINT (POINT OF CONTACT) INSPECT OPPOSING CORNER LOCATIONS ONLY BOTH SIDES.

TABLE 1					
No OF					
POS	"A" "B"		"C"		
-10	12.50 [.492]	10.500 [.4134]	7.20 [.283]		
-20	20.50 [.807]	18.500 [.7283]	15.20 [.598]		
-30	31.70 [1.248]	29.700 [1.1693]	26.40 [1.039]		
-40	39.70 [1.563]	37.700 [1.4843]	34.40 [1.354]		

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS. TOLERANCES ARE:

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

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CONTACT: BeCu CORE: FR4 COVERLAY: POLYIMIDE

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DESCRIPTION

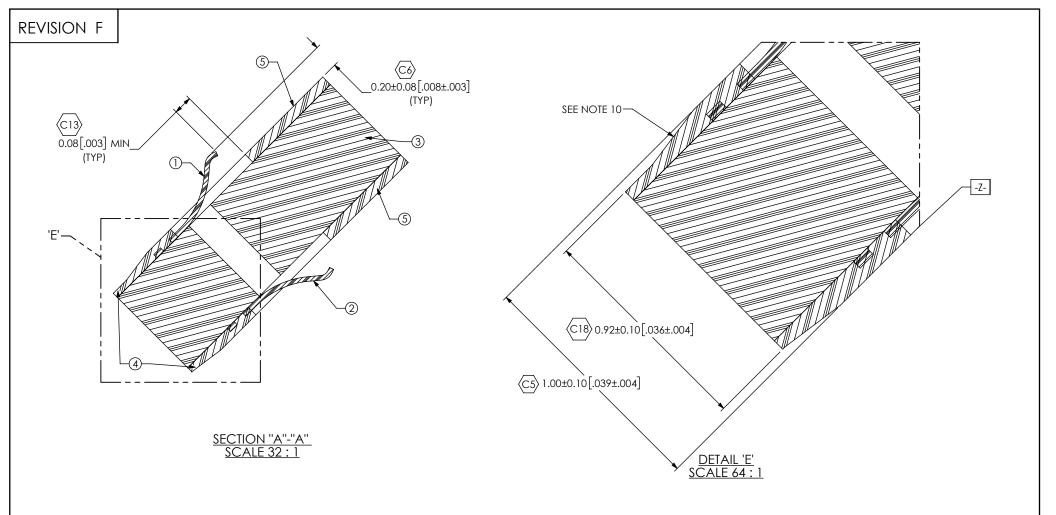
Z-RAY 0.8 mm PITCH DUAL COMP

DWG. NO

ZA8-XX-X-X.XX-X-XX-X

BY: D.SCHMELZ 10/29/2013 SHEET 1 OF 6

:\DWG\MISC\MKTG\ZA8-XX-X-X.XX-X-XX-X-MKT.SLDDRW



	ZA8-XX-2-X.XX-X-XX BOM						
ITEM NO.	PART NUMBER	DESCRIPTION	10X10 QTY	20X10 QTY	30X10 QTY	40X10 QTY	MATERIAL
1	FOIL-0001-NS-01	CONTA CT	.01042	.01563	.03125	.03125	BeCu
2	FOIL-0001-FS-01	CONTA CT	.01042	.01563	.03125	.03125	BeCu
3	PCB-(SEE TABLE 2)	CORE	.01042	.01563	.03125	.03125	FR4
4	FR1515-6X9-0001	BOND PLY	.02084	.03126	.06250	.06250	A DHESIV E/POLY IMIDE FILM
5	ZCF-BL03-FR01-1209-BK	COVERFILM	.01042	.01563	.03125	.03125	A DHESIVE/POLYIMIDE FILM
6	TY-ZA800X (SEE TABLE 2)	TRAY	.02083	.02381	.02778	.03333	RPET (CLEAR)

TABLE 2						
No OF	COMPRESSION	PCB-106100-ZA8-XX-XX-01	CAMDATA	TRAY		
POS	COMPRESSION	PCB-106100-2A6-XX-XX-01	CAMIDATA	IRAI		
-10	-2	PCB-106100-ZA8-10-10-01	ZR-00002	TY-ZA8001		
-20	-2	PCB-106100-ZA8-20-10-01	ZR-00003	TY-ZA8003		
-30	-2	PCB-106100-ZA8-30-10-01	ZR-00004	TY-ZA8002		
-40	-2	PCB-106100-ZA8-40-10-01	ZR-00005	TY-ZA8004		

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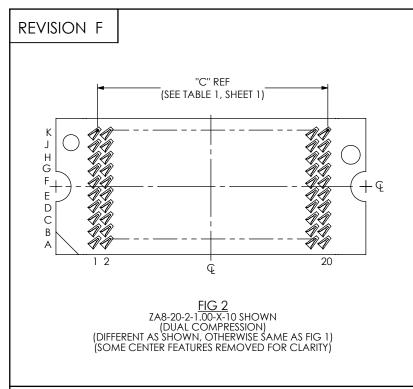
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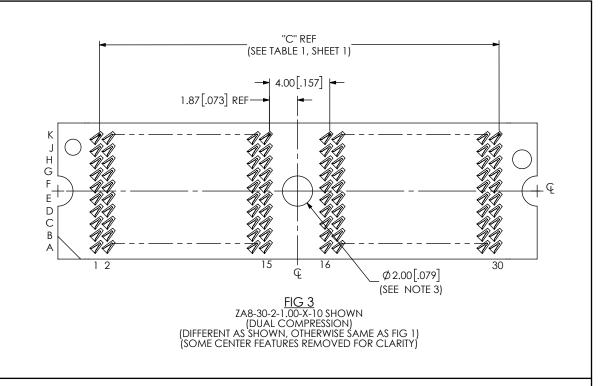
Z-RAY 0.8 mm PITCH DUAL COMP

DWG. NO.

ZA8-XX-X-X.XX-X-XX-X

BY: D.SCHMELZ 10/29/2013 SHEET 2 OF 6





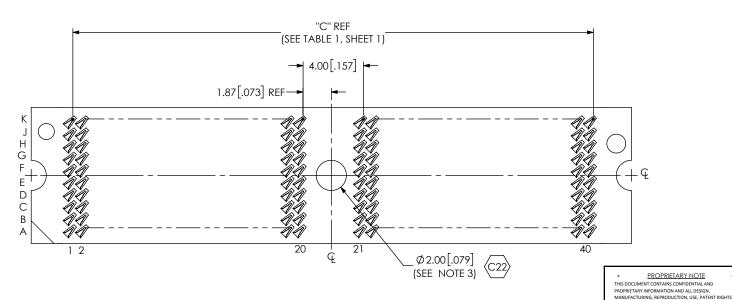


FIG 4

ZA8-40-2-1.00-X-10 SHOWN
(DUAL COMPRESSION)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
(SOME CENTER FEATURES REMOVED FOR CLARITY)

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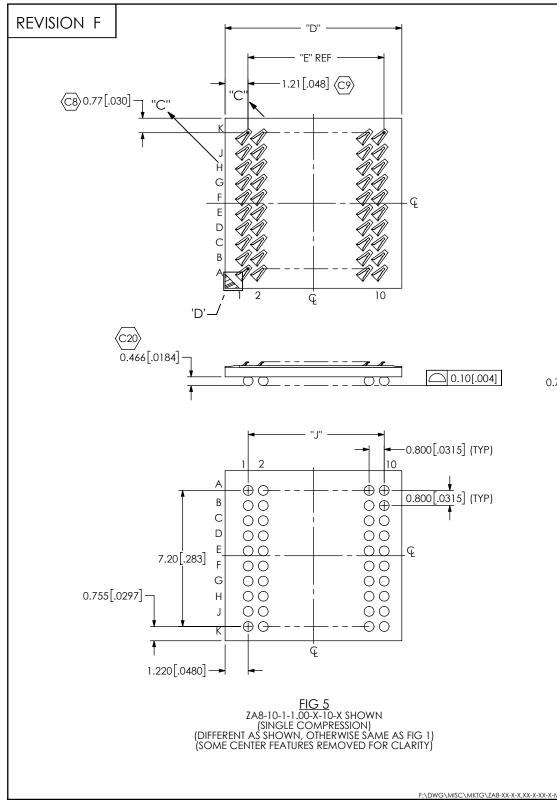
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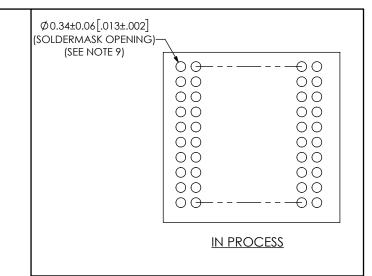
Z-RAY 0.8 mm PITCH DUAL COMP

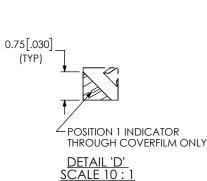
ZA8-XX-X-X.XX-X-XX-X

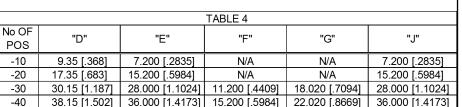
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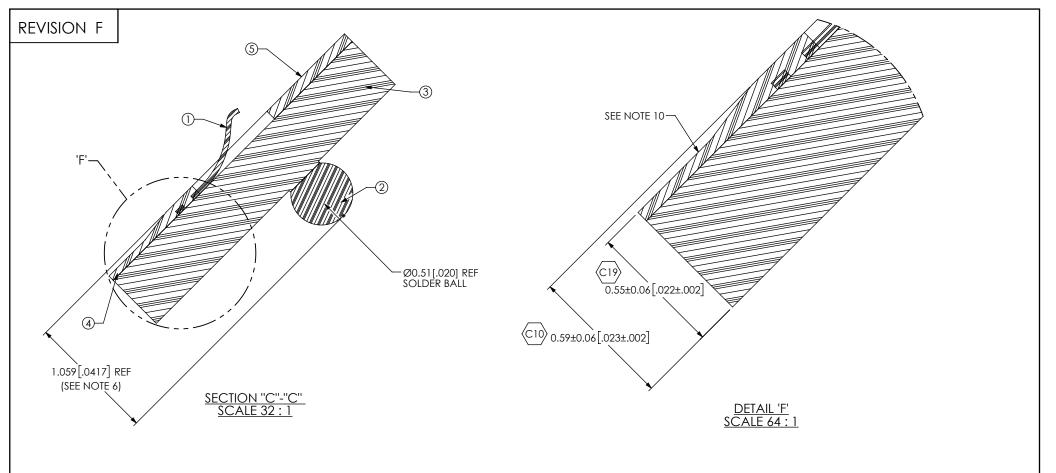
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DESCRIPTION:

Z-RAY 0.8 mm PITCH DUAL COMP

ZA8-XX-X-X.XX-X-XX-X BY: D.SCHMELZ 10/29/2013 SHEET 4 OF 6

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	ZA8-XX-1-X.XX-X-XX-X BOM							
	ITEM NO.	PART NUMBER	DESCRIPTION	10X10 QTY	20X10 QTY	30X10 QTY	40X10 QTY	MATERIAL
Γ	1	FOIL-0001-NS-01	CONTACT	.00781	.01563	.03125	.03125	BeCu
Г	2	SDB-(SEE TABLE 5)	SOLDER BALL	100	200	300	400	SEE CALLOUT
	3	PCB-(SEE TABLE 3)	CORE	.00781	.01563	.03125	.03125	FR4
Γ	4	LF1535-6X9-0001	BOND PLY	.00781	.01563	.03125	.03125	ADHESIVE/POLYIMIDE FILM
Г	5	ZCF-BL03-FR01-1209-BK	COVERFILM	.00391	.00782	.01563	.01563	ADHESIVE/POLYIMIDE FILM
Γ	6	PPP-77-09.00	P&P PAD	1	1	1	1	LCP
	7	TY-ZA800X (SEE TABLE 3)	TRAY	.02220	.02860	.03330	.04000	RPET (CLEAR)

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

	TABLE 3						
No OF POS	COMPRESSION	PCB-XXXXXX-ZA8-XX-XX-01	CAM DATA	TRAY			
-10	-1	PCB-106391-ZA8-10-10-01	ZR-00006	TY-ZA8005			
-20	-1	PCB-106391-ZA8-20-10-01	ZR-00007	TY-ZA8006			
-30	-1	PCB-106391-ZA8-30-10-01	ZR-00008	TY-ZA8007			
-40	-1	PCB-106391-ZA8-40-10-01	ZR-00009	TY-ZA8008			

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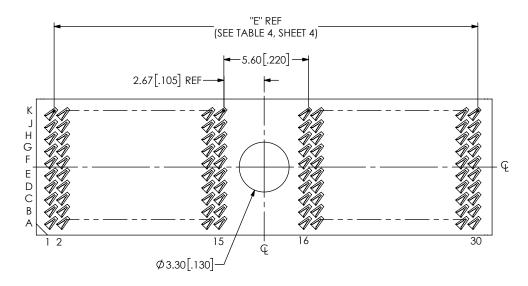
Z-RAY 0.8 mm PITCH DUAL COMP

DWG. NO.

ZA8-XX-X-X.XX-X-XX-X

BY: D.SCHMELZ 10/29/2013 SHEET 5 OF 6







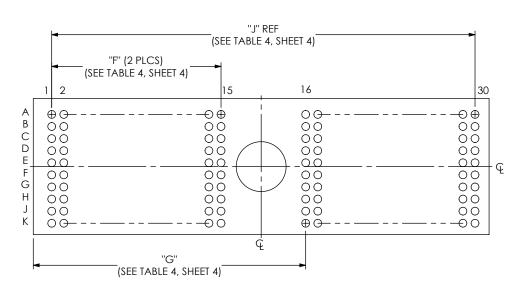
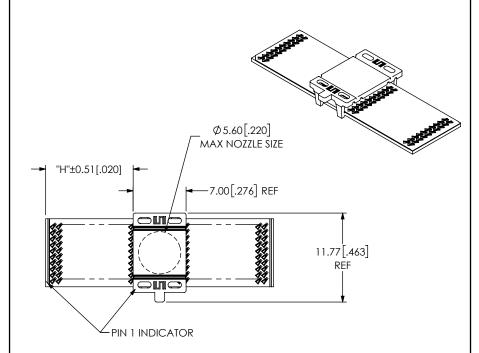


FIG 6

ZA8-30-1-1.00-X-10-X SHOWN
(SINGLE COMPRESSION)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 5)
(ALSO APPLIES TO ZA8-40)
(SOME CENTER FEATURES REMOVED FOR CLARITY)



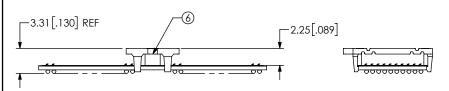


FIG 7

ZA8-30-1-1.00-X-10-X SHOWN
(SINGLE COMPRESSION WITH PPP)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 2)
(SOME CENTER FEATURES REMOVED FOR CLARITY)

TABLE 5		
No OF		
POS	"H"	
-10	1.17 [.046]	
-20	5.17 [.204]	
-30	11.57 [.456]	
-40	15.57 [.613]	

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DESCRIPTION:

Z-RAY 0.8 mm PITCH DUAL COMP

DWG NO

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