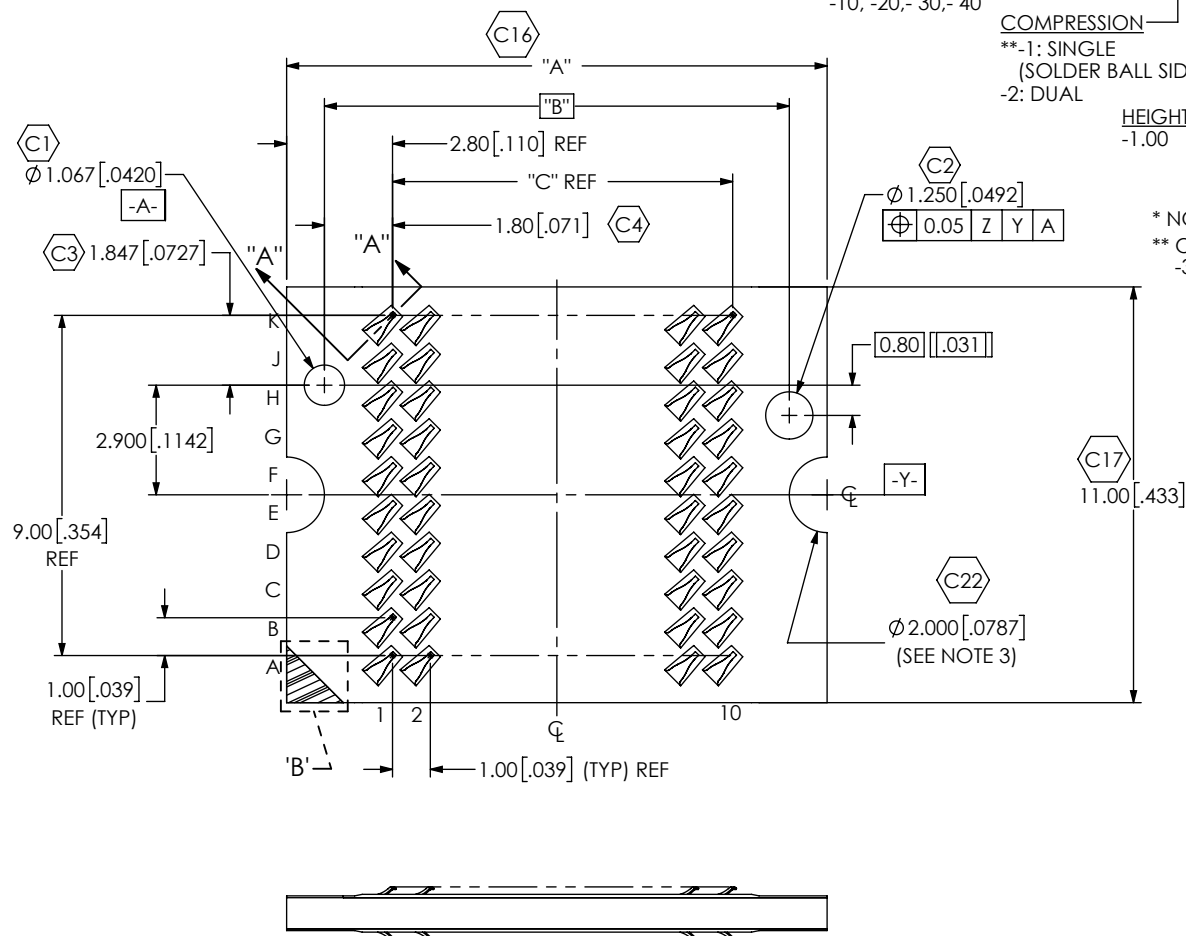
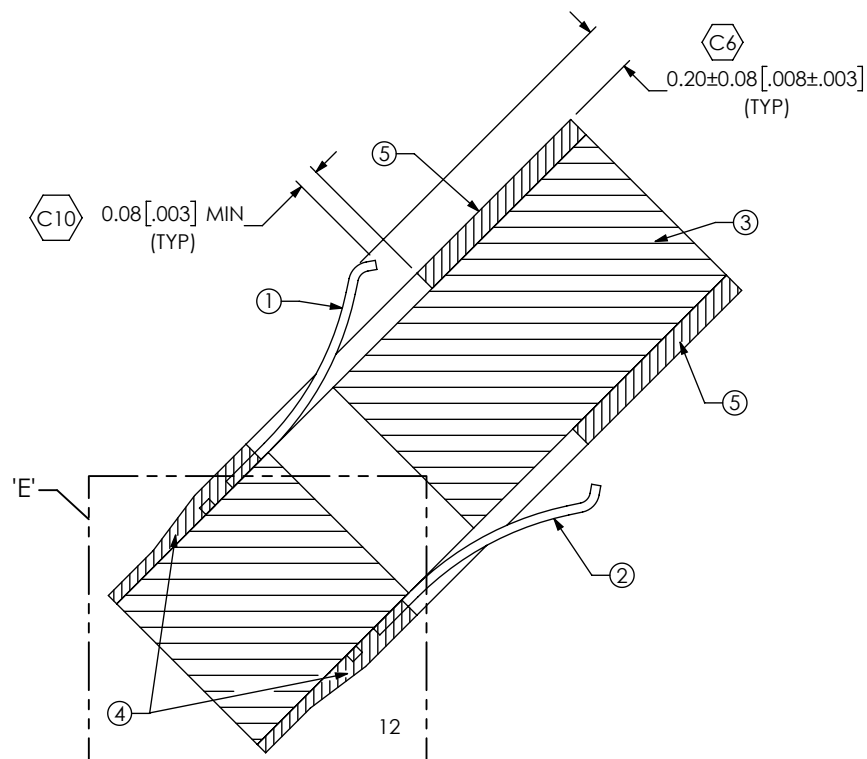
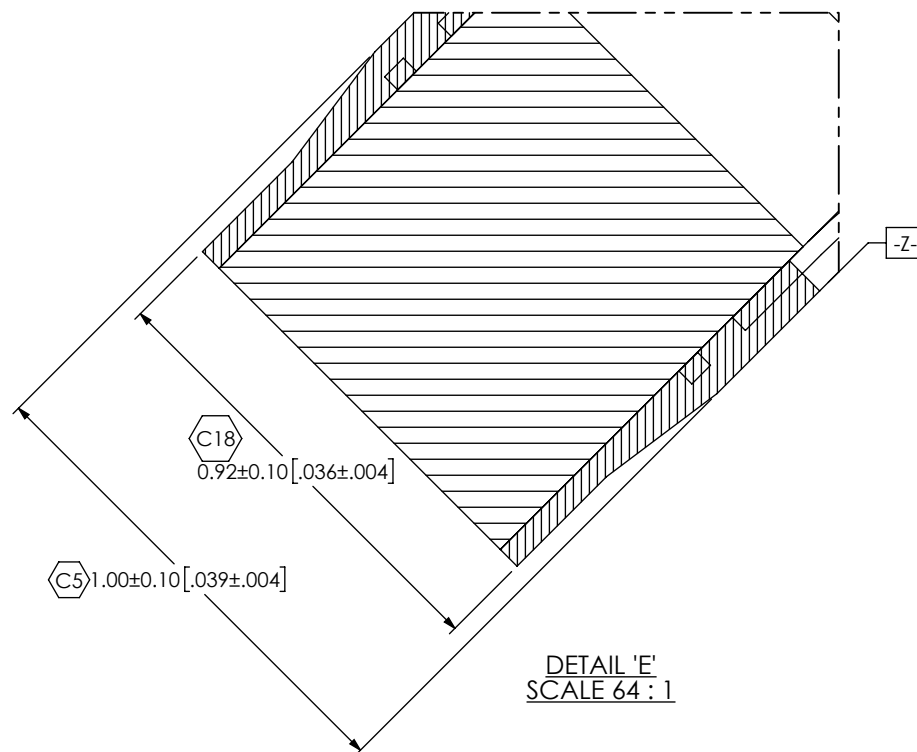


DO NOT  
SCALE FROM  
THIS PRINT





SECTION "A"-"A"  
SCALE 32 : 1



DETAIL 'E'  
SCALE 64 : 1

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	ADHESIVE/POLYIMIDE FILM
5	ZCF-BL03-FR01-1209-BK	COVERFILM	.01111	.01667	.03333	.03333	ADHESIVE/POLYIMIDE FILM
6	TRAY-(SEE TABLE 2)	TRAY	.02500	.02857	.04000	.05000	CLEAR ESD COATED RPET

TABLE 2				
No OF POS	COMPRESSION	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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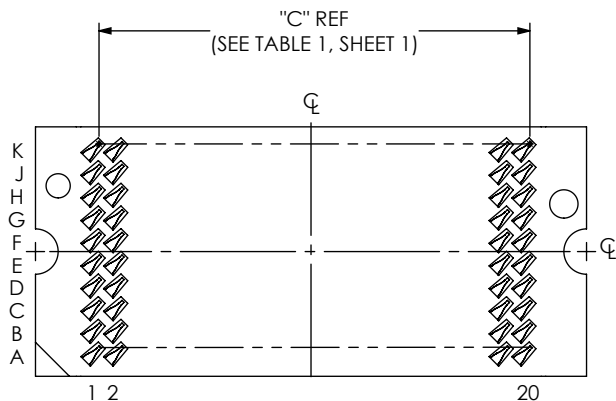
**samtec**

520 PARK EAST BLVD, NEW ALBANY, IN 47150  
PHONE: 812-944-6733 FAX: 812-948-5047  
e-Mail info@SAMTEC.com code 55322

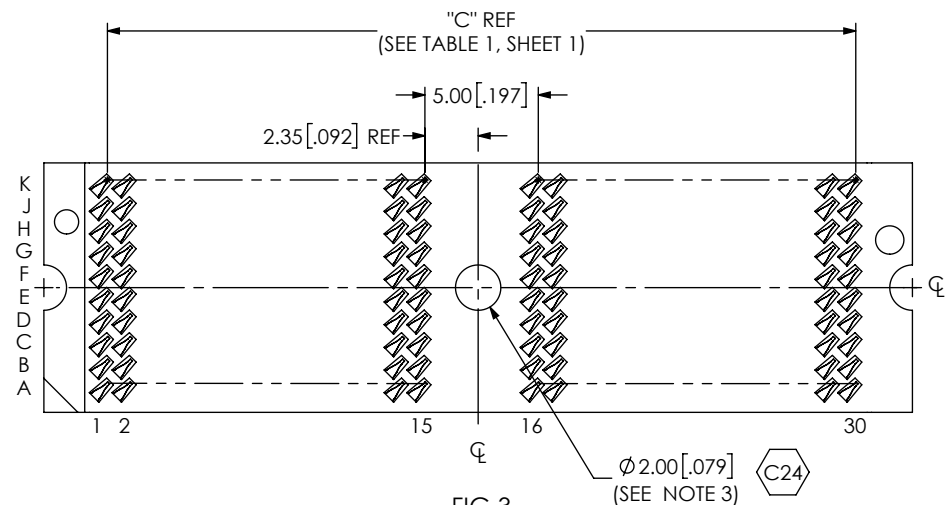
DESCRIPTION:  
1.0mm PITCH ZRAY ASSEMBLY

DWG. NO.  
**ZA1-XX-X-X.XX-X-XX-X**

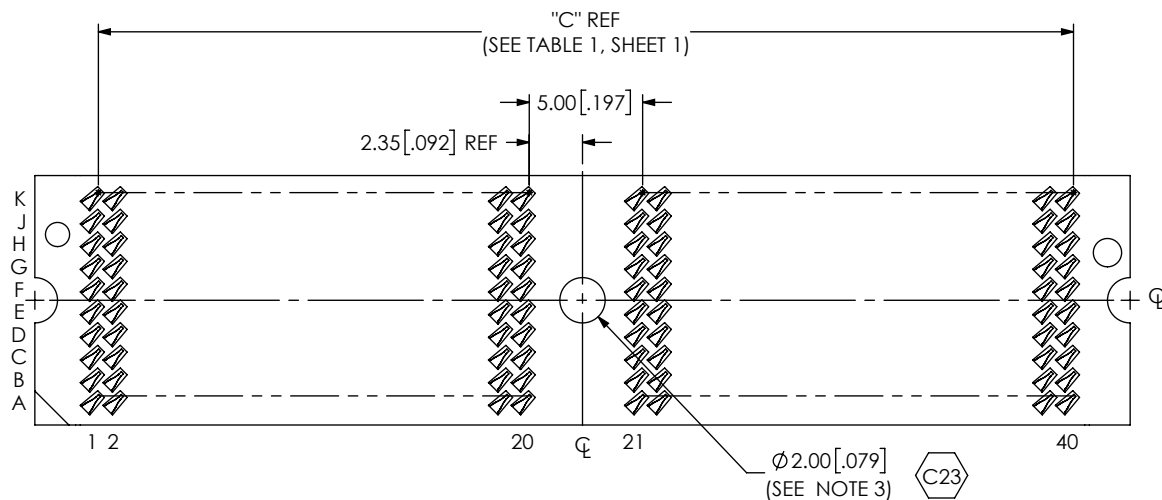
BY: D.SCHMELZ 01/08/2014 SHEET 2 OF 6



**FIG 2**  
ZAY1-20-2-1.00-X-10 SHOWN  
(DUAL COMPRESSION)  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)  
(SOME CENTER FEATURES REMOVED FOR CLARITY)



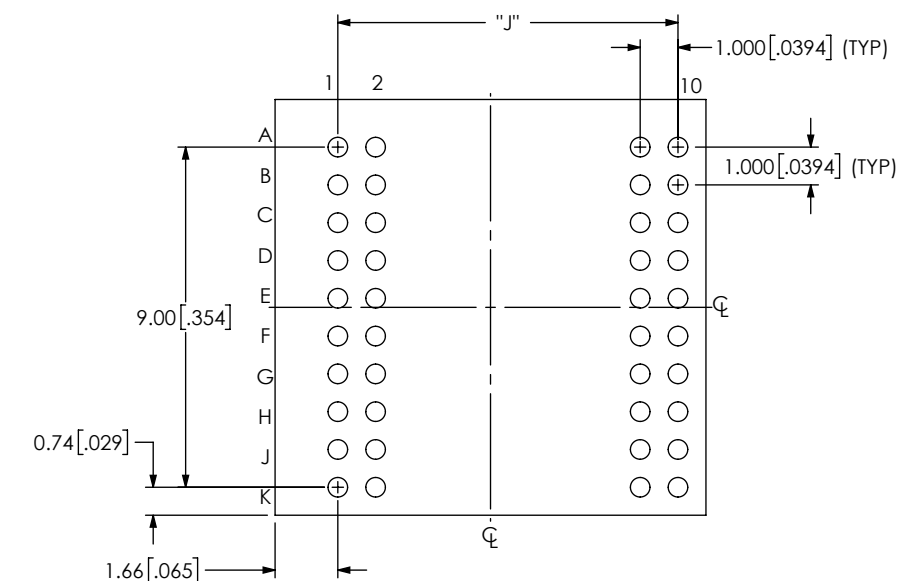
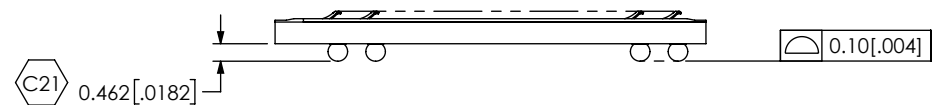
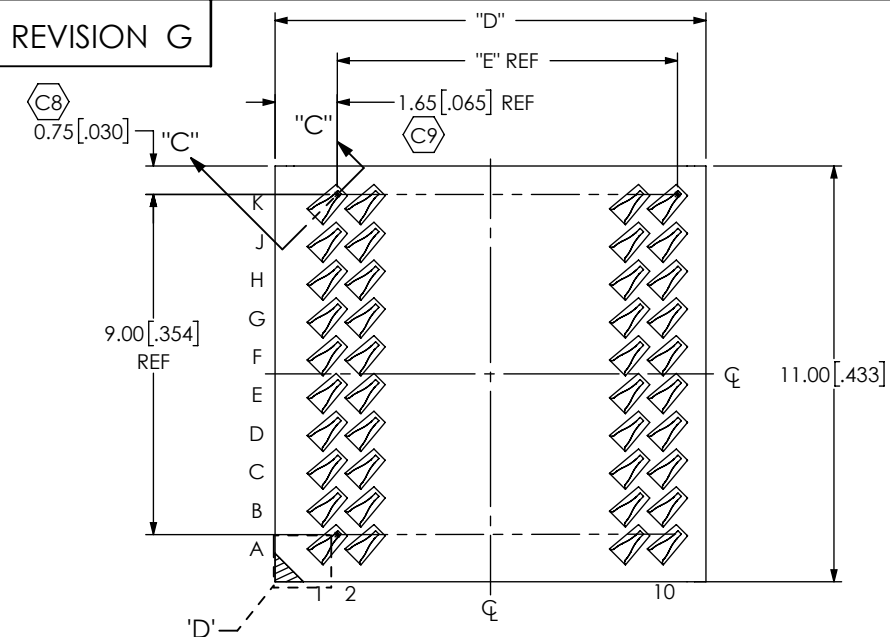
**FIG 3**  
ZAY1-30-2-1.00-X-10 SHOWN  
(DUAL COMPRESSION)  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)  
(SOME CENTER FEATURES REMOVED FOR CLARITY)



**FIG 4**  
ZAY1-40-2-1.00-X-10 SHOWN  
(DUAL COMPRESSION)  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)  
(SOME CENTER FEATURES REMOVED FOR CLARITY)

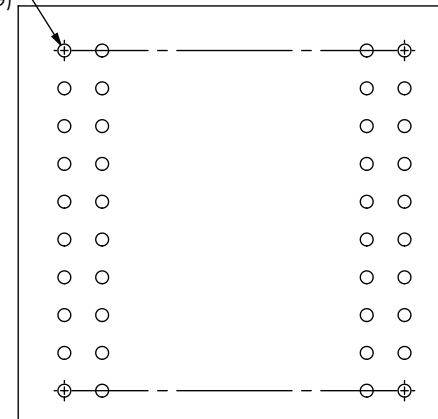
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---	---

# REVISION G

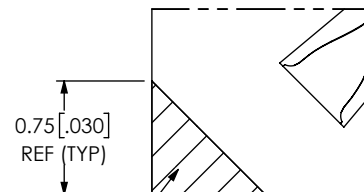


**FIG 5**  
ZA1-10-1-1.00-X-10-X SHOWN  
(SINGLE COMPRESSION)  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)  
(SOME CENTER FEATURES REMOVED FOR CLARITY)

$\varnothing 0.34 \pm 0.06$  [.013  $\pm$  .002]  
(SOLDERMASK OPENING)  
(SEE NOTE 9)



IN-PROCESS



POSITION 1 INDICATOR  
THROUGH COVERFILM ONLY

DETAIL 'D'  
SCALE 20 : 1

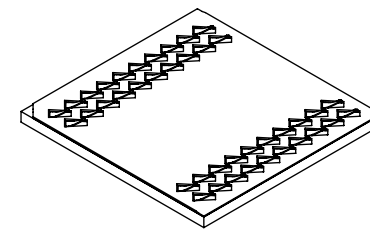


TABLE 4					
No OF POS	"D"	"E"	"F"	"G"	"J"
-10	11.40 [.449]	9.00 [.354]	N/A	N/A	9.00 [.354]
-20	21.40 [.843]	19.00 [.748]	N/A	N/A	19.00 [.748]
-30	37.40 [1.472]	35.00 [1.378]	14.00 [.551]	22.66 [.892]	35.00 [1.378]
-40	47.40 [1.866]	45.00 [1.772]	19.00 [.748]	27.66 [1.089]	45.00 [1.772]

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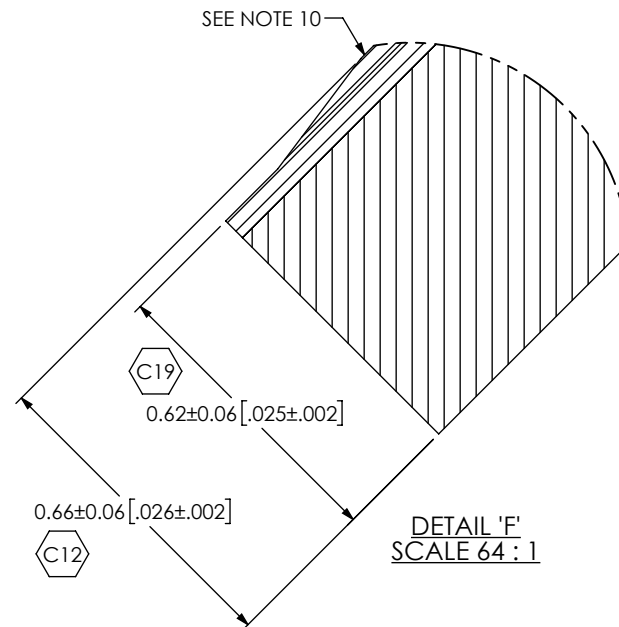
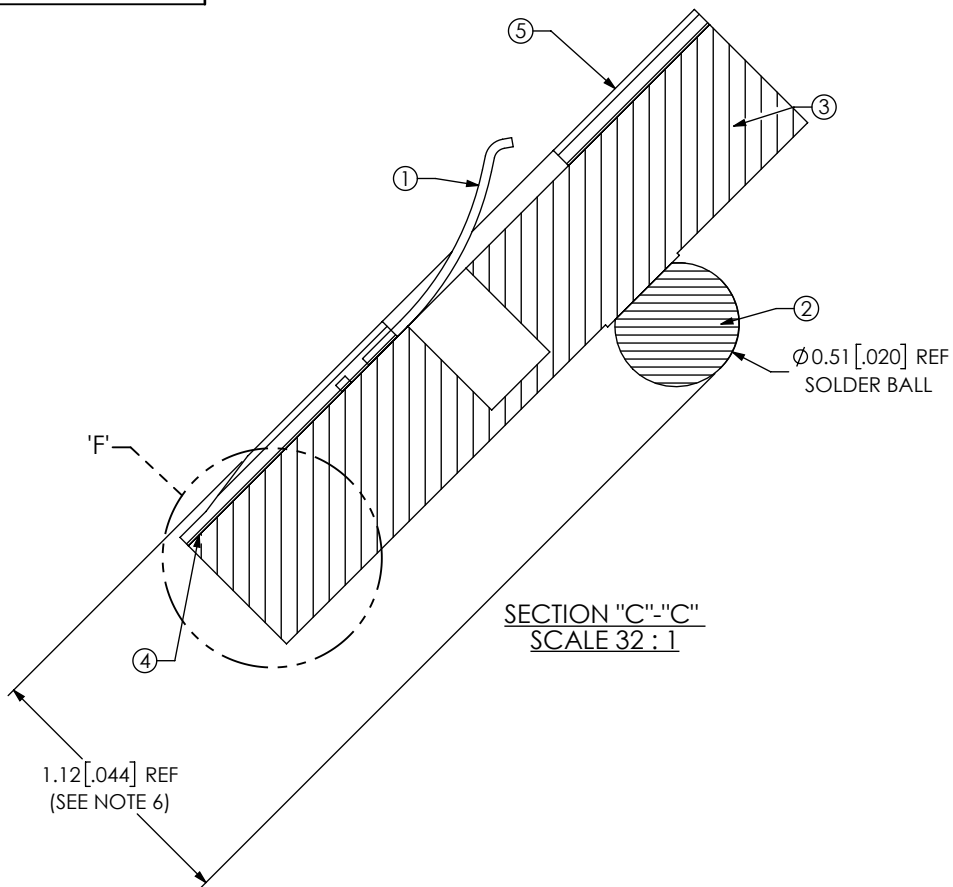
**samtec**

520 PARK EAST BLVD, NEW ALBANY, IN 47150  
PHONE: 812-944-6733 FAX: 812-948-5047  
e-Mail info@SAMTEC.com code 55322

DESCRIPTION:  
1.0mm PITCH ZRAY ASSEMBLY

DWG. NO.  
ZA1-XX-X-X.XX-X-XX-X

BY: D.SCHMELZ 01/08/2014 SHEET 4 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-(SEE TABLE 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	ADHESIVE/POLYIMIDE FILM
5	ZCF-BL03-FR01-1209-BK	COVERFILM	.00334	.00834	.01667	.01667	ADHESIVE/POLYIMIDE FILM
6	PPP-77-11.00	P & P PAD	1	1	1	1	LCP
7	TRAY-(SEE TABLE 3)	TRAY	.02500	.02857	.04000	.05000	CLEAR ESD COATED RPET

TABLE 3

No OF POS	COMPRESSION	PCB-106859-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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e-Mail info@SAMTEC.com code 55322

DESCRIPTION:

1.0mm PITCH ZRAY ASSEMBLY

DWG. NO.

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

BY: D.SCHMELZ 01/08/2014 SHEET 5 OF 6

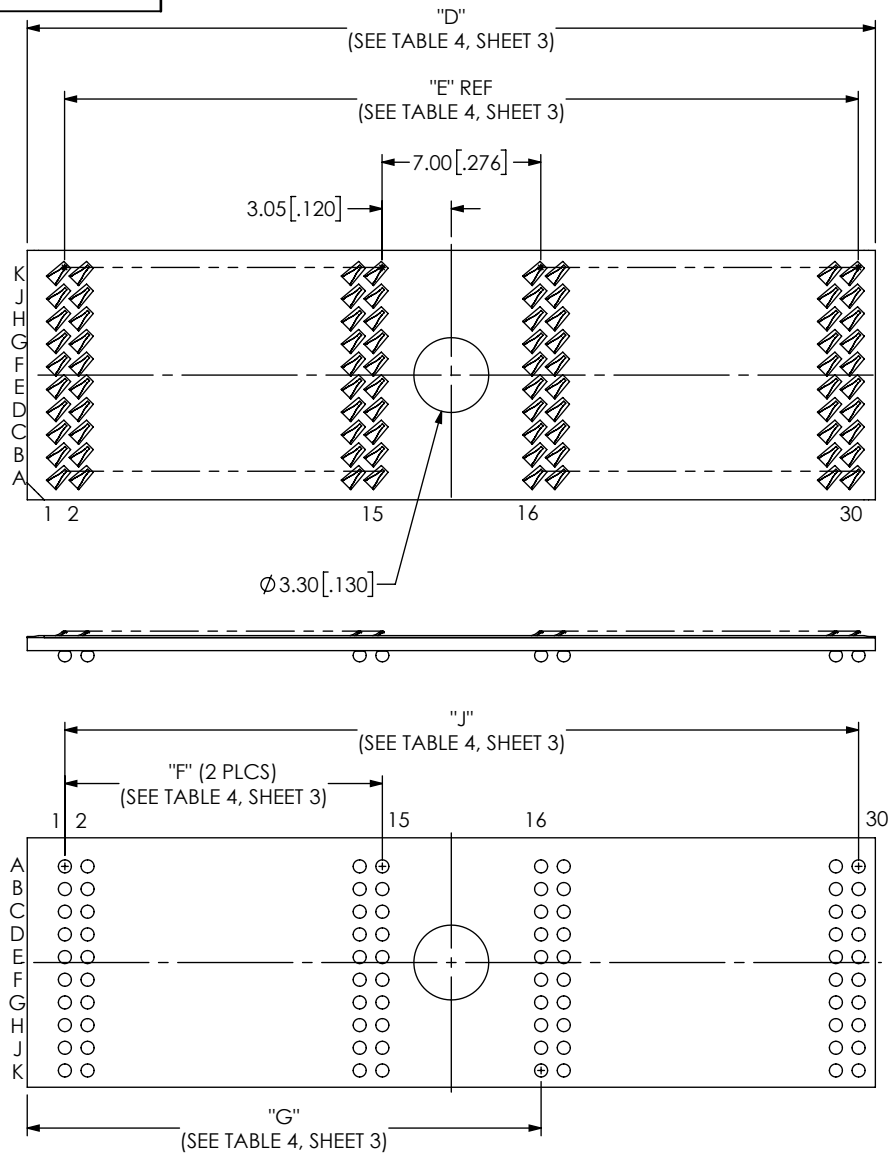


FIG 6  
\*ZA1-30-1-1.00-X-10-X SHOWN  
(SINGLE COMPRESSION)  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 5)  
(ALSO APPLIES TO ZA1-40)  
(SOME CENTER FEATURES REMOVED FOR CLARITY)  
(\*=NOT RELEASED)

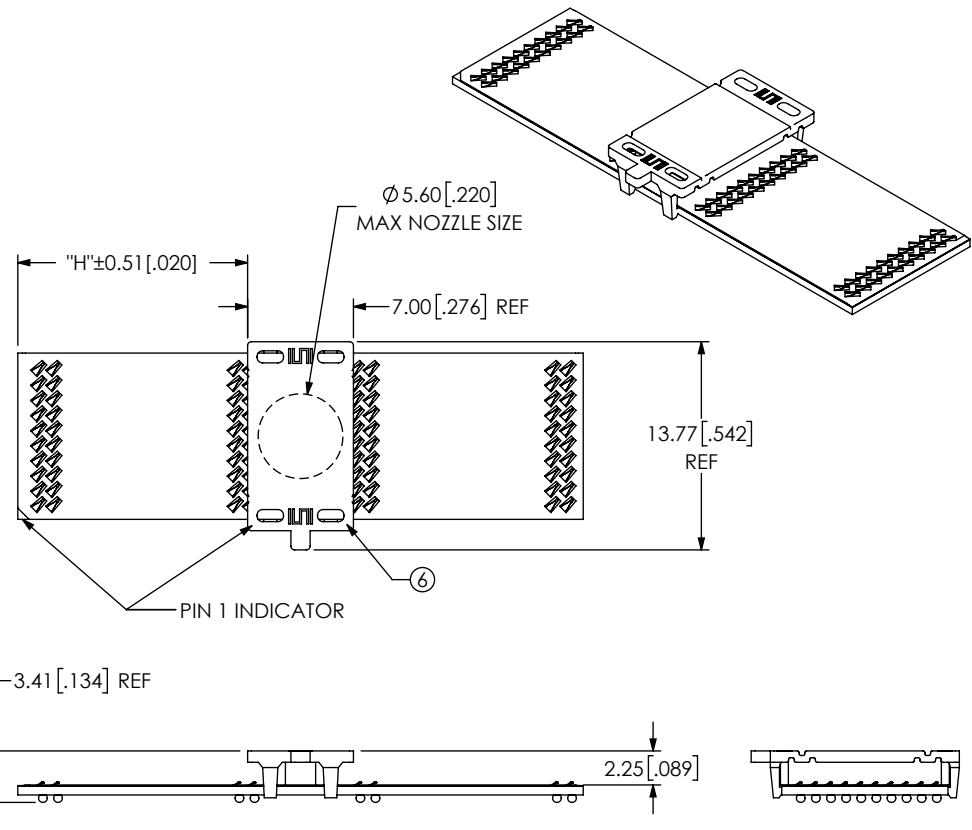


FIG 7  
\*ZA1-30-1-1.00-X-10-X SHOWN  
(SINGLE COMPRESSION WITH PPP)  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 6)  
(SOME CENTER FEATURES REMOVED FOR CLARITY)  
(\*=NOT RELEASED)

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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PHONE: 812-944-6733 FAX: 812-948-5047  
e-Mail: info@SAMTEC.com code 55322

DESCRIPTION:  
1.0mm PITCH ZRAY ASSEMBLY

DWG. NO.  
ZA1-XX-X-X.XX-X-XX-X

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