PATENT NUMBER
7172438

DO NOT SCALE FROM THIS PRINT

DESIGNED & DIMENSIONED IN INCHES[MILLIMETERS]

SEAM-XX-XX.X-XX-XX-X-A-XX-K-TR

.123 [3.12] REF

"A" REF (SEE TABLE 6, SHT 2)

"C" SPCS. @ .0500 = "D" (SEE TABLE 6, SHT 2)

.0500 [1.270] (TYP)

"A"

01

.100 [2.54] REF (TYP)

.478 [12.14] REF   .352 [8.94] REF

.200 [5.08] REF

.060 [1.52] REF

"B" REF (SEE TABLE 6, SHT 2)

"A"

08

.035 [0.89] REF

VOIDED AT SAMTEC'S DISCRETION

SEAM-XX-XX.X-08-A

"H" REF   "J" REF

.040 [1.02] REF

.040 [1.02] REF

.050 [1.27] (TYP)

"E" (TYP) (SEE TABLE 6, SHT 2)

.050 [1.27] REF

'B'

.034 [0.86] REF

.044 [1.12] REF

"G" REF

"F" REF (SEE TABLE 6, SHT 2)

Ø .044 [1.12] REF

FIG 1
-08: 8 ROW
(SEAM-30-02.0-XX-08-1-A-XX-K-TR SHOWN)
(SOME CENTER FEATURES REMOVED FOR CLARITY)

No OF POSITIONS

□ -10, ⊠ -15, ** -19 -20,
△ -25, -30, -40, -50
(PER ROW)

LEAD STYLE

-02.0 (SEE TABLE 1)
-03.0 (SEE TABLE 1)
-03.5 (SEE TABLE 1)
*** -05.5 (SEE TABLE 1)
**** -06.5 (SEE TABLE 8, SHT 3)
(SEE NOTE 14)
-07.0 (SEE TABLE 8, SHT 3)
-09.0 (SEE TABLE 8, SHT 3)
-11.0 (SEE TABLE 8, SHT 3)
* -13.0 (SEE TABLE 8, SHT 3)

PLATING SPECIFICATION

-L: 10µ" LIGHT GOLD IN CONTACT
AREA, MATTE TIN ON TAIL
-(LEAD STYLE -02.0 THRU-05.5:
USE NEW-SUB-T-1M36-XX.X-L-X)
-(LEAD STYLE -06.5 THRU-13.0:
USE NEW-SUB-T-1M38-XX.X-L-X)
-SM: 30µ" SELECTIVE GOLD IN CONTACT
AREA, MATTE TIN ON TAIL
-(LEAD STYLE -02.0 THRU-05.5:
USE NEW-SUB-T-1M36-XX.X-S-X)
-(LEAD STYLE -06.5 THRU-13.0:
USE NEW-SUB-T-1M38-XX.X-S-X)
-S: 30µ" SELECTIVE GOLD IN CONTACT
AREA, MATTE TIN ON TAIL
-(LEAD STYLE -02.0 THRU-05.5:
USE NEW-SUB-T-1M36-XX.X-S-X)
-(LEAD STYLE -06.5 THRU-13.0:
USE NEW-SUB-T-1M38-XX.X-S-X)

ROW

-04: 4 ROWS (SEE FIG 3, SHT 4)
(NOT AVAILABLE IN -13.0 LEAD STYLE)
-05: 5 ROWS (SEE FIG 7, SHT 5)(SEE NOTE 14)
-06: 6 ROWS (SEE FIG 6, SHT 5)
-08: 8 ROWS (SEE FIG 1)
-10: 10 ROWS (SEE FIG 4, SHT 4)
■ -14: 14 ROWS (SEE FIG 5, SHT 4)

TAPE & REEL
(SEE NOTES 8, 9 & 10)

K DOT
(SEE FIG 11, SHT 7) (SEE NOTE 7)
DOT APPLICATOR-KAPTON TAPE.

OPTION

-GP: GUIDE POST
(SEE FIG. 9, SHT 6)
(ONLY AVAILABLE WITH -02.0 LEAD
STYLE, 20, 30, 40, & 50 POSITION)
-EP: EXTENDED GUIDE POST
(SEE FIG. 10, SHT 6)
(ONLY AVAILABLE WITH
-02.0& -03.5* LEAD STYLE
20, 30, 40, & 50 POSITION)

ALIGNMENT PIN
(SEE NOTE 6)

SOLDER COMPOSITION & STYLE

-1: 63% TIN / 37% LEAD
CHARGE TAIL
(USE NEW-T-1M3X-XX.X-X-1)
-2: 95.5% TIN / 3.8% SILVER / .7% COPPER
CHARGE TAIL
(USE NEW-T-1M3X-XX.X-X-2)

* = NOT TOOLED
□ = 10 POSITION ONLY AVAILABLE IN -04 ROW LEAD
STYLES -02.0, -03.0, -03.5, -07.0, -09.0, -11.0.
AVAILABLE IN -06 ROW LEAD STYLES -02.0, -03.0, -03.5
⊠ = ONLY AVAILABLE IN A 10 ROW;
4 ROW, -02.0 LEAD STYLE AVAILABLE
△ = ONLY AVAILABLE WITH -02.0 OR -03.5 LEAD STYLE & 4 ROW;
-03.0 AVAILABLE
** = ONLY AVAILABLE IN 6 ROW WITH -03.5 OR -05.5
LEAD STYLE
*** = ONLY AVAILABLE WITH 19 POSITION, 6 ROWS
**** = ONLY AVAILABLE IN 8 & 10 ROW
■ = 14 ROW ONLY AVAILABLE IN -40 POSITION, -02.0 AND -03.5
BODY HEIGHTS.

TABLE 2

No. OF ROWS	"G"
-04	.079 [2.01]
-05, -06	.120 [3.05]
-08	.120 [3.05]
-10	.120 [3.05]
-14	.120 [3.05]

TABLE 1

STYLE	"H"	"J"	BODY CALLOUT	TERMINAL SOLDER CHARGE TAIL
-02.0	.221 [5.61]	.073 [1.85]	SEAM-XX-02.0-XX-X	NEW-SUB-T-1M36-02.0-X-X
-03.0	.260 [6.60]	.112 [2.84]	SEAM-XX-03.0-XX-X	NEW-SUB-T-1M36-03.0-X-X
-03.5	.280 [7.11]	.132 [3.35]	SEAM-XX-03.5-XX-X	NEW-SUB-T-1M36-03.5-X-X
-05.5	.359 [9.12]	.211 [5.35]	SEAM-XX-05.5-XX-X	NEW-SUB-T-1M36-05.5-X-X

(SEE SHEET 3 FOR LEAD STYLES -06.5 THRU -13.0)

NOTES:
1. © REPRESENTS A CRITICAL DIMENSION.
2. MINIMUM PUSHOUT FORCE: 0.50 LBS.
3. NOTE DELETED.
4. 5 ROW SOLDER TAILS ARE NOT SYMMETRICAL WITH BODY WIDTH (.378[9.60]
SEE FIG. 7, SHEET 5).
5. WHEN APPLICABLE, DIMENSION C8 MUST BE MEASURED USING INSPECTION FIXTURE AT-1817-836-1
FOR 4 ROW OR AT-1817-836-2 FOR 6, 8 & 10 ROW, USE CO-AU-WI-2003-M FOR PROCESS.
6. WITHOUT -A AVAILABLE FOR EXISTING CUSTOMERS ONLY AS OF REVISION AD.
7. NOTE DELETED.
8. NOTE DELETED.
9. FOR QUANTITIES UP TO 49 PIECES, NO LEADER, TRAILER, OR REEL WILL BE SUPPLIED.
FOR QUANTITIES 50 - 124, NO LEADER OR TRAILER WILL BE SUPPLIED.
10. ATTACH LABEL "SEAX-0001" TO EACH TAPE & REEL PACKAGE.
11. SOLDER CHARGE VOLUME IS 0.891 x 10^-5 IN ^3 REF.
12. NOTE DELETED.
13. MAXIMUM ROW TO ROW VARIATION .003[0.08], MEASURED FIRST & LAST POSITIONS
ONLY, ALL ROWS.
14. THESE OPTIONS AVAILABLE AS ASO (APPLICATION SPECIFIC OPTIONS) ONLY.
PLEASE CONTACT SAMTEC FOR MORE INFORMATION.

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:

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

MATERIAL: DO NOT SCALE DRAWING
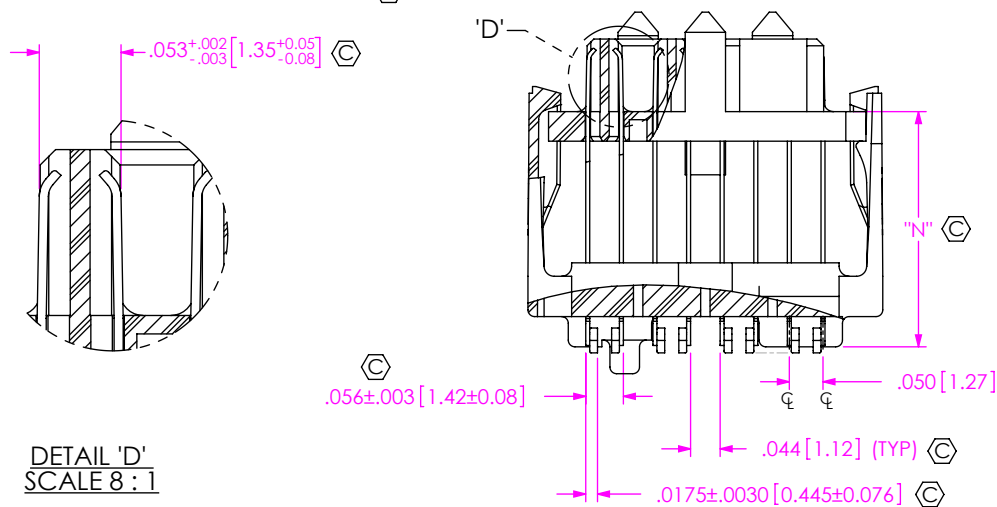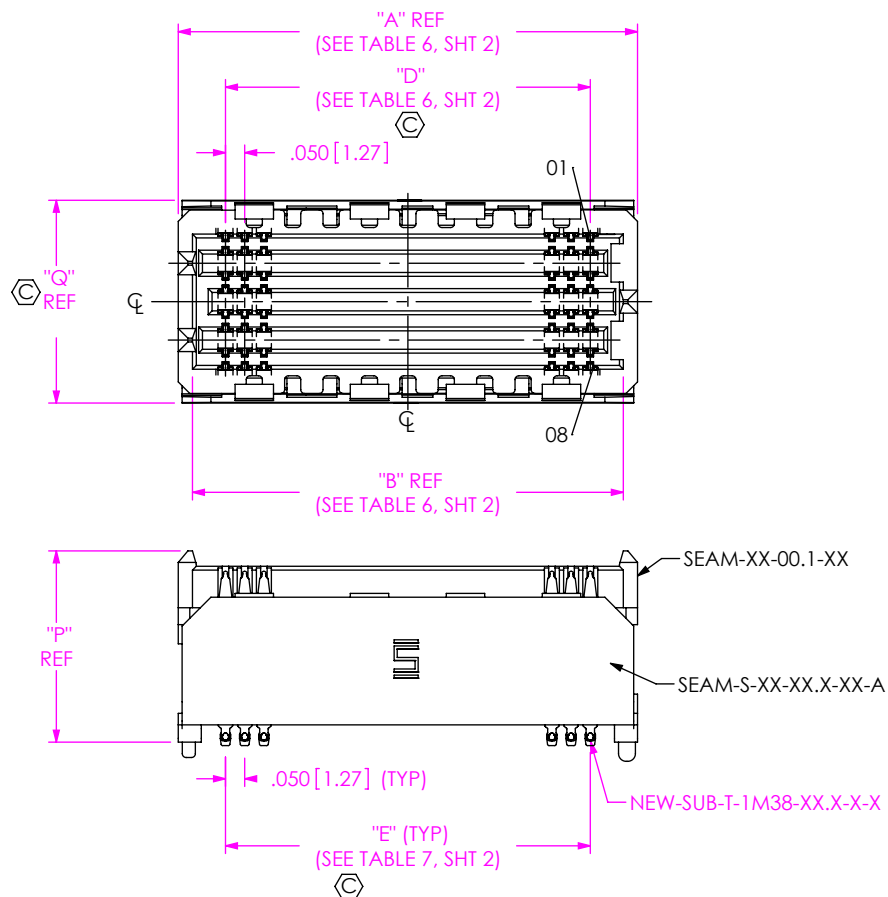INSULATOR: LCP, COLOR: BLACK
TERMINAL: COPPER ALLOY

SHEET SCALE: 2:1

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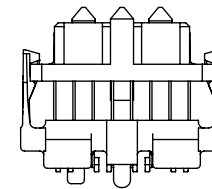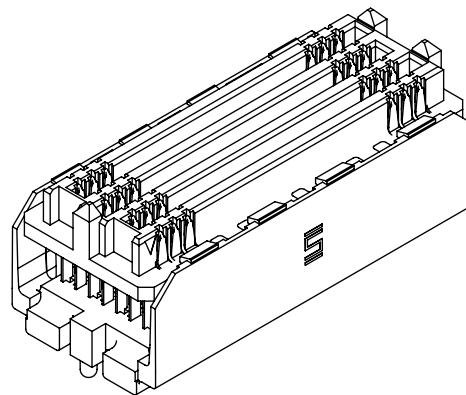PHONE: 812-944-6733   FAX: 812-948-5047
e-Mail info@SAMTEC.com   code 55322

DESCRIPTION:
.050 PITCH TERMINAL ARRAY ASSEMBLY

DWG. NO.
SEAM-XX-XX.X-XX-XX-X-A-XX-K-TR

BY: BRATCHER 08-09-2010   SHEET 1 OF 7

REVISION CF

DETAIL 'B'
SCALE 7 : 1

.056 +.002 -.004 [1.42 +0.05 -0.08]
(TYP)

.011 [0.28] REF

.028 [0.72] REF

NEW-SUB-T-1M36-XX.X-X-X

.050 [1.27] REF

"L" (TYP)

"K"

.0175±.0030 [0.445±0.076]

SOLDER CHARGE

.002±.003 [0.05±0.08]
(SEE NOTE 5 & 13)

.011 [0.27] REF

(SEE TABLE 7)

SECTION "A"-"A"
SCALE 4 : 1

TABLE 3				
STACK HEIGHT				
SEAM LEAD STYLE	SEAF LEAD STYLE			
	-05.0	-06.0	-06.5	-07.5
-02.0	7mm	8mm	8.5mm	9.5mm
-03.0	8mm	9mm	9.5mm	10.5mm
-03.5	8.5mm	9.5mm	10mm	11mm
-05.5	NA	NA	12mm	NA
-06.5	11.5mm	12.5mm	13mm	14mm
-07.0	12mm	13mm	13.5mm	14.5mm
-09.0	14mm	15mm	15.5mm	16.5mm
-11.0	16mm	17mm	17.5mm	18.5mm
*-13.0	18mm	19mm	19.5mm	20.5mm

(* = NOT TOOLED)

TABLE 5				
LEAD STYLE	"K"		"L"	
-02.0	.0530 - .0590	[1.346] - [1.499]	.0470 - .0410	[1.194] - [1.041]
-03.0	.0530 - .0620	[1.346] - [1.575]	.0470 - .0380	[1.194] - [0.965]
-03.5	.0530 - .0645	[1.346] - [1.638]	.0470 - .0355	[1.194] - [0.902]
-05.5	.0530 - .0645	[1.346] - [1.638]	.0470 - .0355	[1.194] - [0.902]

TABLE 6						
No. OF POS.	"A"	"B"	"C"	"D"	"E"	"F"
□ -10	.696 [17.68]	.622 [15.80]	9	.4500 [11.430]	.4500 [11.430]	.641 [16.28]
⊠ -15	.946 [24.03]	.872 [22.15]	14	.7000 [17.780]	.7000 [17.780]	.891 [22.63]
**-19	1.146 [29.11]	1.072 [27.23]	18	.9000 [22.860]	.9000 [22.860]	1.091 [27.71]
-20	1.196 [30.38]	1.122 [28.50]	19	.9500 [24.130]	.9500 [24.130]	1.141 [28.98]
◹ -25	1.446 [36.73]	1.372 [34.85]	24	1.2000 [30.480]	1.2000 [30.480]	1.391 [35.33]
-30	1.696 [43.08]	1.622 [41.20]	29	1.4500 [36.830]	1.4500 [36.830]	1.641 [41.68]
-40	2.196 [55.78]	2.122 [53.90]	39	1.9500 [49.530]	1.9500 [49.530]	2.141 [54.38]
-50	2.696 [68.48]	2.622 [66.60]	49	2.4500 [62.230]	2.4500 [62.230]	2.641 [67.08]

TABLE 7			
LEAD STYLE	10-30 POS.	40 POS.	50 POS.
-02.0, -03.0, -03.5, -05.5, -06.5, -07.0, -09.0, *-13.0	.006 [0.152]	.009 [0.229]	.009 [0.229]
-11.0	.0085 [0.216]		

(* = NOT TOOLED)

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:
.050 PITCH TERMINAL ARRAY ASSEMBLY

DWG. NO.
SEAM-XX-XX.X-XX-XX-X-A-XX-K-TR

DO NOT SCALE DRAWING

SHEET SCALE: 2:1

BY: BRATCHER 08-09-2010   SHEET 2 OF 7

F:\DWG\MISC\MKTG\SEAM-XX-XX.X-XX-XX-X-A-XX-K-TR-MKT.SLDDRW

FIG 2
-06.5 THRU -13.0 LEAD STYLES
(SEAM-20-09.0-XX-08-1-A SHOWN)
(SAME AS FIG 1, EXCEPT AS SHOWN)
(SOME CENTER FEATURES REMOVED FOR CLARITY)

"A" REF
(SEE TABLE 6, SHT 2)

"D"
(SEE TABLE 6, SHT 2)

.050 [1.27]

01

"Q"
REF

08

"B" REF
(SEE TABLE 6, SHT 2)

SEAM-XX-00.1-XX

"P"
REF

SEAM-S-XX-XX.X-XX-A

.050 [1.27] (TYP)

NEW-SUB-T-1M38-XX.X-X-X

"E" (TYP)
(SEE TABLE 7, SHT 2)

-07.0 LEAD STYLE
(SEAM-XX-07.0-X-08-X-A SHOWN)

TABLE 8

ROW	STYLE	"N"	"P"	"Q"	SPACER BODY	TOP BODY	TERMINAL
-04	-07.0	.271 [6.88]	.417 [10.59]	.328 [8.33]	SEAM-S-XX-07.0-04-A	SEAM-XX-00.1-04	NEW-SUB-T-1M38-07.0-X-X
	-09.0	.350 [8.89]	.496 [12.60]	.328 [8.33]	SEAM-S-XX-09.0-04-A	SEAM-XX-00.1-04	NEW-SUB-T-1M38-09.0-X-X
	-11.0	.429 [10.90]	.575 [14.61]	.328 [8.33]	SEAM-S-XX-11.0-04-A	SEAM-XX-00.1-04	NEW-SUB-T-1M38-11.0-X-X
-05	-07.0	.271 [6.88]	.417 [10.59]	.428 [10.87]	SEAM-S-XX-07.0-06-A	SEAM-XX-00.1-06	NEW-SUB-T-1M38-07.0-X-X
	-09.0	.350 [8.89]	.496 [12.60]	.428 [10.87]	SEAM-S-XX-09.0-06-A	SEAM-XX-00.1-06	NEW-SUB-T-1M38-09.0-X-X
	-11.0	.429 [10.90]	.575 [14.61]	.428 [10.87]	SEAM-S-XX-11.0-06-A	SEAM-XX-00.1-06	NEW-SUB-T-1M38-11.0-X-X
	*-13.0	.508 [12.90]	.654 [16.61]	.428 [10.87]	SEAM-S-XX-13.0-06-A	SEAM-XX-00.1-06	NEW-SUB-T-1M38-13.0-X-X
-06	-07.0	.271 [6.88]	.417 [10.59]	.428 [10.87]	SEAM-S-XX-07.0-06-A	SEAM-XX-00.1-06	NEW-SUB-T-1M38-07.0-X-X
	-09.0	.350 [8.89]	.496 [12.60]	.428 [10.87]	SEAM-S-XX-09.0-06-A	SEAM-XX-00.1-06	NEW-SUB-T-1M38-09.0-X-X
	-11.0	.429 [10.90]	.575 [14.61]	.428 [10.87]	SEAM-S-XX-11.0-06-A	SEAM-XX-00.1-06	NEW-SUB-T-1M38-11.0-X-X
	*-13.0	.508 [12.90]	.654 [16.61]	.428 [10.87]	SEAM-S-XX-13.0-06-A	SEAM-XX-00.1-06	NEW-SUB-T-1M38-13.0-X-X
-08	-06.5	.252 [6.40]	.400 [10.16]	.528 [13.41]	SEAM-S-XX-06.5-08-A	SEAM-XX-00.1-08	NEW-SUB-T-1M38-06.5-X-X
	-07.0	.271 [6.88]	.417 [10.59]	.528 [13.41]	SEAM-S-XX-07.0-08-A	SEAM-XX-00.1-08	NEW-SUB-T-1M38-07.0-X-X
	-09.0	.350 [8.89]	.496 [12.60]	.528 [13.41]	SEAM-S-XX-09.0-08-A	SEAM-XX-00.1-08	NEW-SUB-T-1M38-09.0-X-X
	-11.0	.429 [10.90]	.575 [14.61]	.528 [13.41]	SEAM-S-XX-11.0-08-A	SEAM-XX-00.1-08	NEW-SUB-T-1M38-11.0-X-X
	*-13.0	.508 [12.90]	.654 [16.61]	.528 [13.41]	SEAM-S-XX-13.0-08-A	SEAM-XX-00.1-08	NEW-SUB-T-1M38-13.0-X-X
-10	-06.5	.252 [6.40]	.400 [10.16]	.628 [15.95]	SEAM-S-XX-06.5-10-A	SEAM-XX-00.1-10	NEW-SUB-T-1M38-06.5-X-X
	-07.0	.271 [6.88]	.417 [10.59]	.628 [15.95]	SEAM-S-XX-07.0-10-A	SEAM-XX-00.1-10	NEW-SUB-T-1M38-07.0-X-X
	-09.0	.350 [8.89]	.496 [12.60]	.628 [15.95]	SEAM-S-XX-09.0-10-A	SEAM-XX-00.1-10	NEW-SUB-T-1M38-09.0-X-X
	-11.0	.429 [10.90]	.575 [14.61]	.628 [15.95]	SEAM-S-XX-11.0-10-A	SEAM-XX-00.1-10	NEW-SUB-T-1M38-11.0-X-X
	*-13.0	.508 [12.90]	.654 [16.61]	.628 [15.95]	SEAM-S-XX-13.0-10-A	SEAM-XX-00.1-10	NEW-SUB-T-1M38-13.0-X-X

(* = NOT TOOLED)

$.053^{+.002}_{-.003}$ [$1.35^{+0.05}_{-0.08}$]

'D'

"N"

.050 [1.27]

.056±.003 [1.42±0.08]

.044 [1.12] (TYP)

.0175±.0030 [0.445±0.076]

DETAIL 'D'
SCALE 8 : 1

SCALE 3.5:1

F:\DWG\MISC\MKTG\SEAM-XX-XX.X-XX-XX-X-A-XX-K-TR-MKT.SLDDRW

DO NOT SCALE DRAWING

SHEET SCALE: 2:1

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520 PARK EAST BLVD, NEW ALBANY, IN 47150
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e-Mail info@SAMTEC.com   code 55322

DESCRIPTION:
.050 PITCH TERMINAL ARRAY ASSEMBLY

DWG. NO.
SEAM-XX-XX.X-XX-XX-X-A-XX-K-TR

BY: BRATCHER 08-09-2010   SHEET 3 OF 7

FIG 3
-04: 4 ROW
(SEAM-20-02.0-XX-04-1-A SHOWN)
(SAME AS FIG 1, EXCEPT AS SHOWN)
(SOME CENTER FEATURES REMOVED FOR CLARITY)

01

.050 [1.27]
REF

.152 [3.86]
REF

.100 [2.54]
REF

04

.278 [7.06]
REF

.063 [1.60] REF
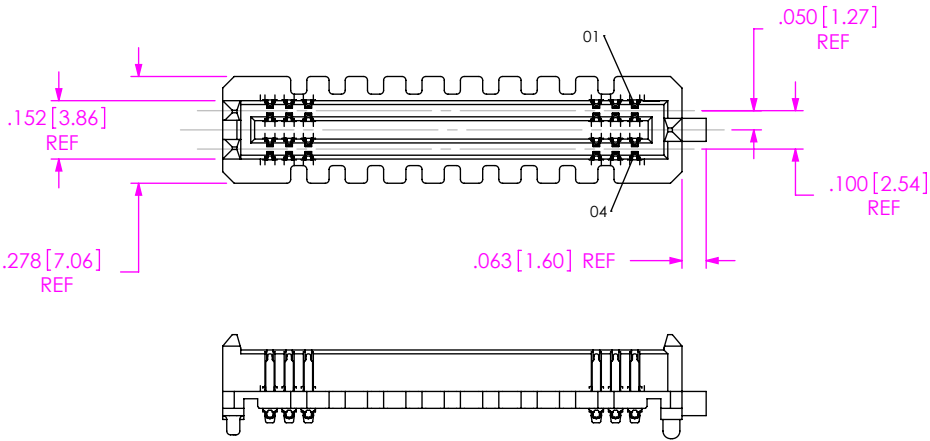
FIG 4
-10: 10 ROW
(SEAM-20-02.0-XX-10-1-A SHOWN)
(SAME AS FIG 1, EXCEPT AS SHOWN)
(SOME CENTER FEATURES REMOVED FOR CLARITY)

01

.150 [3.81]
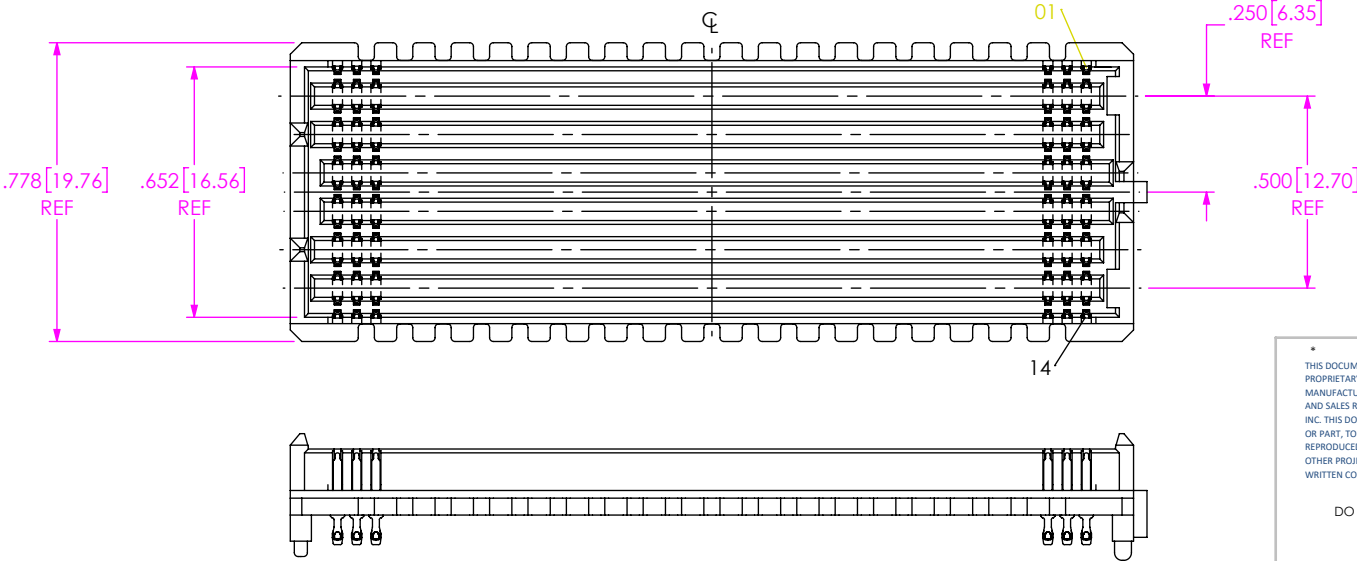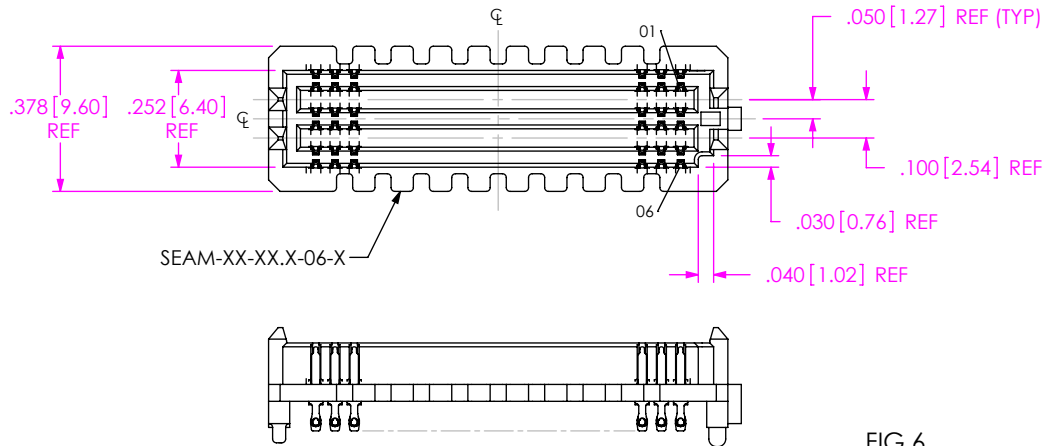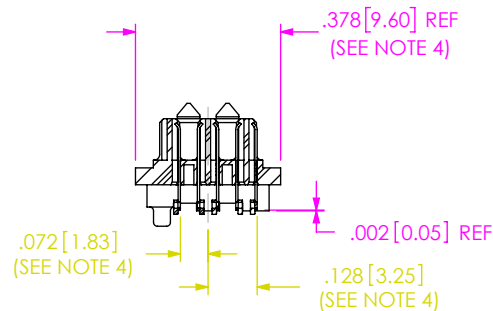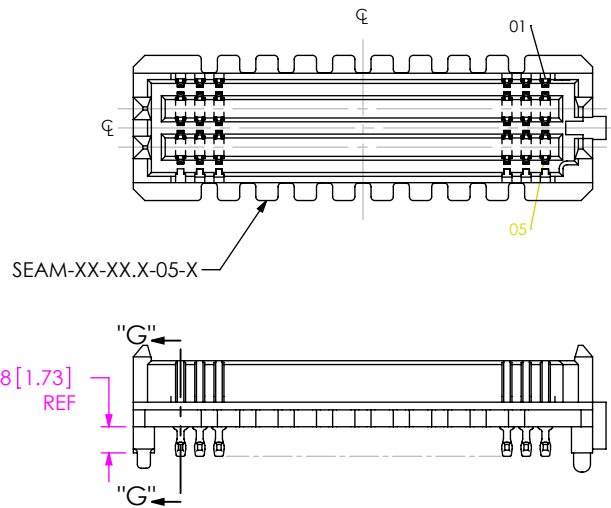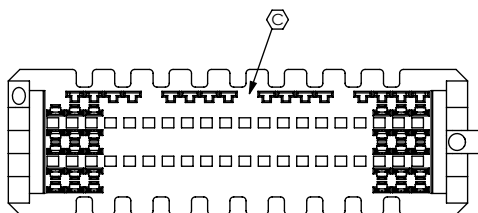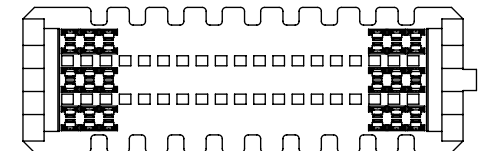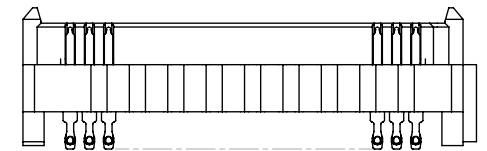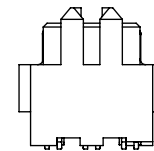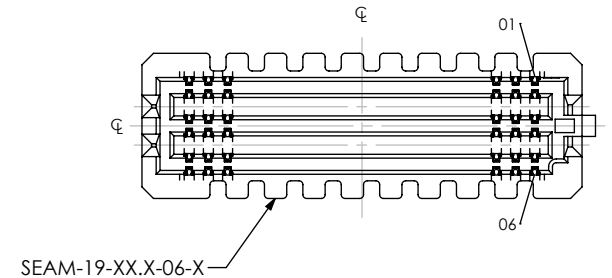REF

.578 [14.68]
REF

.452 [11.48]
REF

.300 [7.62]
REF

10
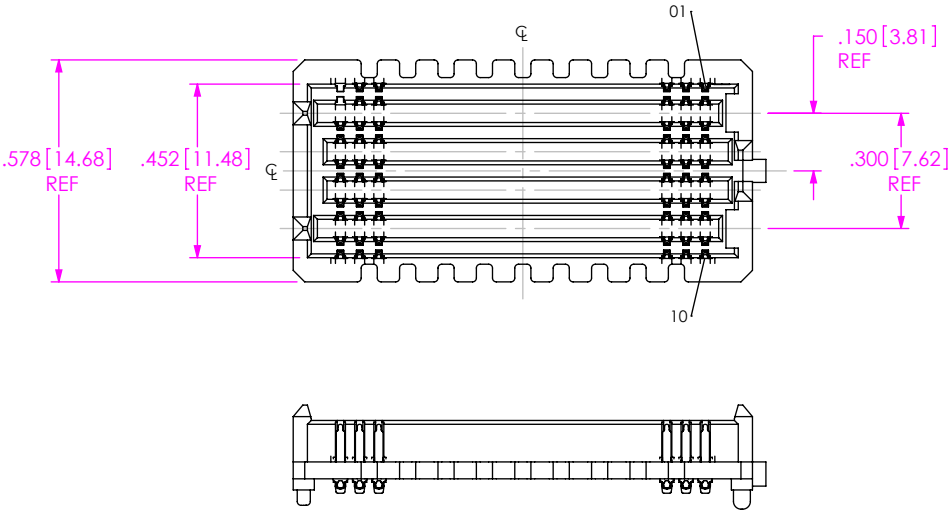
FIG 5
-14: 14 ROW
(SEAM-40-03.5-S-14-2-A-K-TR SHOWN)
(SAME AS FIG 1, EXCEPT AS SHOWN)
(SOME CENTER FEATURES REMOVED FOR CLARITY)
(ONLY AVAILABLE IN 40 POSITION, -02.0 AND -03.5 BODY HEIGHTS)

01

.250 [6.35]
REF

.778 [19.76]
REF

.652 [16.56]
REF

.500 [12.70]
REF

14

DO NOT SCALE DRAWING

SHEET SCALE:2:1

samtec

DESCRIPTION:
.050 PITCH TERMINAL ARRAY ASSEMBLY

DWG. NO.
SEAM-XX-XX.X-XX-XX-X-A-XX-K-TR

BY: BRATCHER 08-09-2010   SHEET 4 OF 7

F:\DWG\MISC\MKTG\SEAM-XX-XX.X-XX-XX-X-A-XX-K-TR-MKT.SLDDRW

REVISION CF

.050 [1.27] REF (TYP)
.100 [2.54] REF
.030 [0.76] REF
.040 [1.02] REF

.378 [9.60] REF
.252 [6.40] REF

SEAM-XX-XX.X-06-X

01
06

FIG 6
-06: 6 ROWS
(SEAM-20-03.0-XX-06-1-A SHOWN)
(SAME AS FIG 1, EXCEPT AS SHOWN)
(SOME CENTER FEATURES REMOVED FOR CLARITY)

SEAM-XX-XX.X-05-X

01
05

.068 [1.73] REF

"G"
"G"

.378 [9.60] REF
(SEE NOTE 4)

.072 [1.83]
(SEE NOTE 4)

.128 [3.25]
(SEE NOTE 4)

.002 [0.05] REF

SECTION "G"-"G"

FIG 7
-05: 5 ROWS
(SEAM-20-03.5-XX-05-1-A SHOWN)
(SAME AS FIG 6, EXCEPT AS SHOWN)
(SOME CENTER FEATURES REMOVED FOR CLARITY)
(SEE NOTE 4)

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FIG 8
-19: 19 POSITIONS
(SEAM-19-05.5-XX-06-1 SHOWN)
(ONLY AVAILABLE IN -06 ROW WITH -03.5 OR -05.5 LEAD STYLE)
(SAME AS FIG 6, EXCEPT AS SHOWN)
(SOME CENTER FEATURES REMOVED FOR CLARITY)

SEAM-19-XX.X-06-X

01
06

DO NOT SCALE DRAWING

SHEET SCALE: 2:1

samtec

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DESCRIPTION:
.050 PITCH TERMINAL ARRAY ASSEMBLY

DWG. NO.
SEAM-XX-XX.X-XX-XX-X-A-XX-K-TR

BY: BRATCHER 08-09-2010   SHEET 5 OF 7

REVISION CF

FIG 9
-GP: GUIDE POST OPTION
(ONLY AVAILABLE WITH -02.0 LEAD STYLE, 20, 30, 40, & 50 POSITIONS)
(MATES WITH SEAF RIGHT ANGLE ONLY)
(SEAM-20-02.0-XX-06-1-A-GP SHOWN)
(SAME AS FIG 1, EXCEPT AS SHOWN)
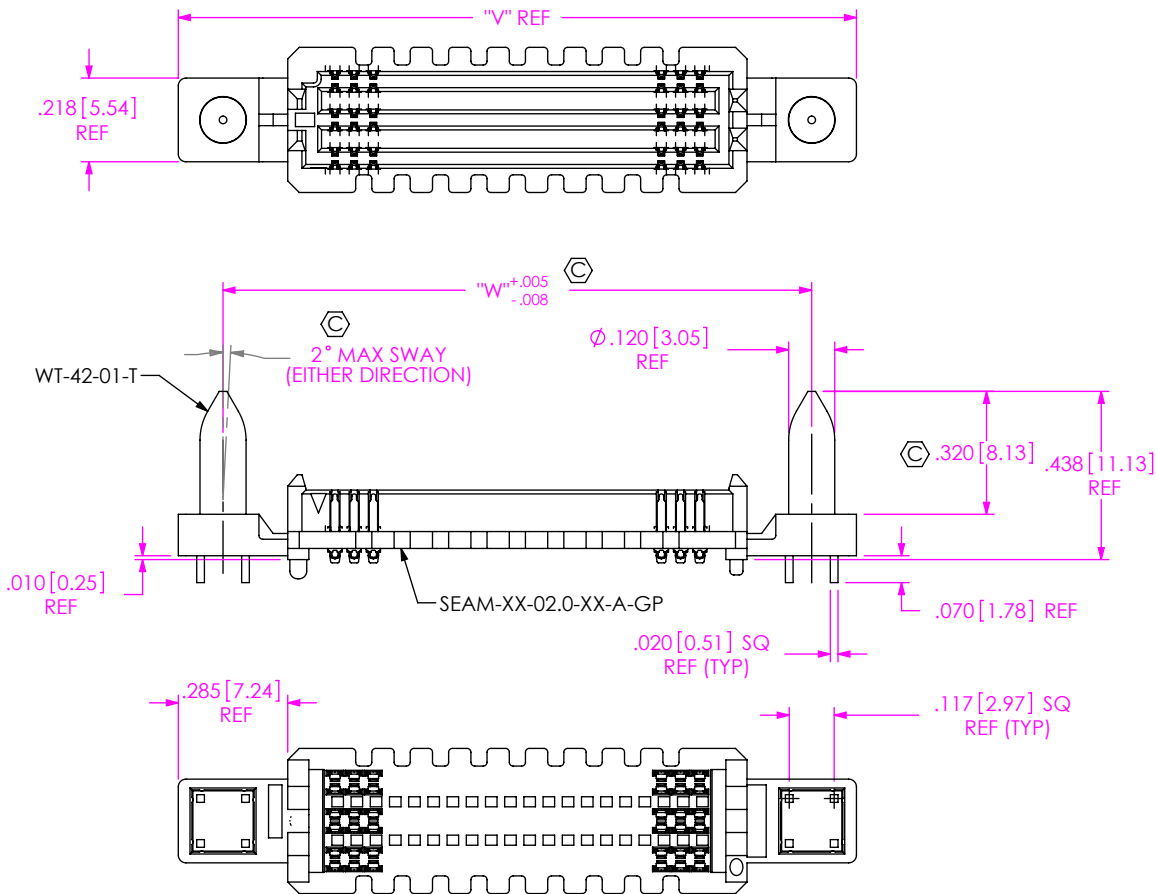(SOME CENTER FEATURES REMOVED FOR CLARITY)

FIG 10
-EP: EXTENDED GUIDE POST OPTION
(ONLY AVAILABLE WITH -02.0 & -03.5* LEAD STYLES,
20, 30, 40, & 50 POSITIONS)
(SEAM-20-03.5-XX-06-1-A-EP* SHOWN)
(SAME AS FIG 9, EXCEPT AS SHOWN)
(SOME CENTER FEATURES REMOVED FOR CLARITY)
(*= NOT TOOLED)

"V" REF

.218 [5.54] REF

WT-58-XX-X

"W" +.005 -.008

WT-42-01-T

2° MAX SWAY (EITHER DIRECTION)

Ø .120 [3.05] REF

2° MAX SWAY (EITHER DIRECTION)

R .060 [1.52] REF

"X" REF

"Y"

.320 [8.13]   .438 [11.13] REF

SEAM-XX-03.5-XX-A-GP

.010 [0.25] REF

SEAM-XX-02.0-XX-A-GP

.070 [1.78] REF

.020 [0.51] SQ REF (TYP)

.285 [7.24] REF

.117 [2.97] SQ REF (TYP)
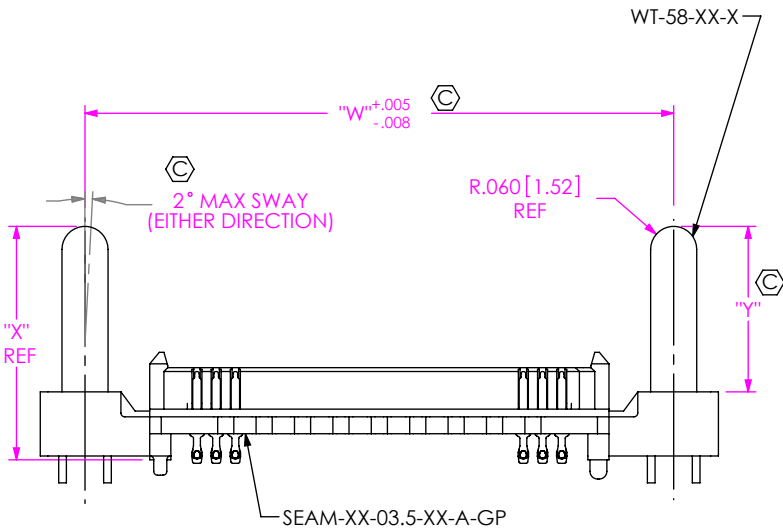
TABLE 10

LEAD STYLE	"X"	"Y"	GUIDE POST
-02.0	.549 [13.94]	.372 [9.45]	WT-58-01-T
-03.5*	.608 [15.44]	.431 [10.95]	WT-58-02-T

* = NOT TOOLED

TABLE 11
-EP STACK HEIGHTS

SEAM LEAD STYLE	SEAF LEAD STYLE	STACK HEIGHT
-02.0	-05.0	7MM
-03.5*	-06.5	10MM

* = NOT TOOLED

TABLE 9

POSITIONS	"V"	"W"
-20	1.766 [44.86]	1.533 [38.94]
-30	2.266 [57.56]	2.033 [51.64]
-40	2.766 [70.26]	2.533 [64.34]
-50	3.266 [82.96]	3.033 [77.04]

DO NOT SCALE DRAWING

SHEET SCALE: 2:1

DESCRIPTION:
.050 PITCH TERMINAL ARRAY ASSEMBLY

DWG. NO.
SEAM-XX-XX.X-XX-XX-X-A-XX-K-TR

BY: BRATCHER 08-09-2010   SHEET 6 OF 7

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TABLE 12

LEAD STYLE -02.0, -03.0, -03.5, -05.5

ROW	K-DOT	"R"	"S"								"T"
			10 POS	15 POS	19 POS	20 POS	25 POS	30 POS	40 POS	50 POS	
-04	K-DOT-.236-.343-.005	.236 [5.99]	.230 [5.84]	.355 [9.02]	.455 [11.56]	.480 [12.19]	.605 [15.37]	.730 [18.54]	.980 [24.89]	1.230 [31.24]	.021 [0.53]
-05, -06	K-DOT-.236-.343-.005	.236 [5.99]	.230 [5.84]	.355 [9.02]	.455 [11.56]	.480 [12.19]	.605 [15.37]	.730 [18.54]	.980 [24.89]	1.230 [31.24]	.071 [1.80]
-08	K-DOT-.325-.450-.005	.325 [8.26]	.186 [4.71]	.311 [7.90]	.411 [10.43]	.436 [11.06]	.561 [14.24]	.686 [17.41]	.936 [23.76]	1.186 [30.11]	.076 [1.93]
-10	K-DOT-.404-.500-.005	.404 [10.26]	.146 [3.71]	.271 [6.88]	.371 [9.42]	.396 [10.06]	.521 [13.23]	.646 [16.41]	.896 [22.76]	1.146 [29.11]	.087 [2.21]
-14	K-DOT-.404-.500-.005	.404 [10.26]	.146 [3.71]	.271 [6.88]	.371 [9.42]	.396 [10.06]	.521 [13.23]	.646 [16.41]	.896 [22.76]	1.146 [29.11]	.187 [4.75]

TABLE 13

LEAD STYLE -06.5, -07.0, -09.0, -11.0, -13.0

ROW	K-DOT	"R"	"S"								"T"
			10 POS	15 POS	19 POS	20 POS	25 POS	30 POS	40 POS	50 POS	
-04	K-DOT-.256-.375-.005	.256 [6.50]	.220 [5.59]	.345 [8.76]	.445 [11.30]	.470 [11.94]	.595 [15.11]	.720 [18.29]	.970 [24.64]	1.220 [30.99]	.011 [0.28]
-05, -06	K-DOT-.325-.450-.005	.325 [8.26]	.186 [4.71]	.311 [7.89]	.411 [10.43]	.436 [11.06]	.561 [14.24]	.686 [17.41]	.936 [23.76]	1.186 [30.11]	.027 [0.69]
-08	K-DOT-.404-.500-.005	.404 [10.26]	.146 [3.71]	.271 [6.88]	.371 [9.42]	.396 [10.06]	.521 [13.23]	.646 [16.41]	.896 [22.76]	1.146 [29.11]	.037 [0.94]
-10	K-DOT-.460-.550-.005	.460 [11.68]	.119 [3.01]	.244 [6.18]	.344 [8.72]	.369 [9.36]	.494 [12.53]	.619 [15.71]	.869 [22.06]	1.119 [28.41]	.059 [1.50]

"T" ±.020[0.51]

"S" ±.020[0.51]

Ø"R"

"U"
(INCL. K DOT)
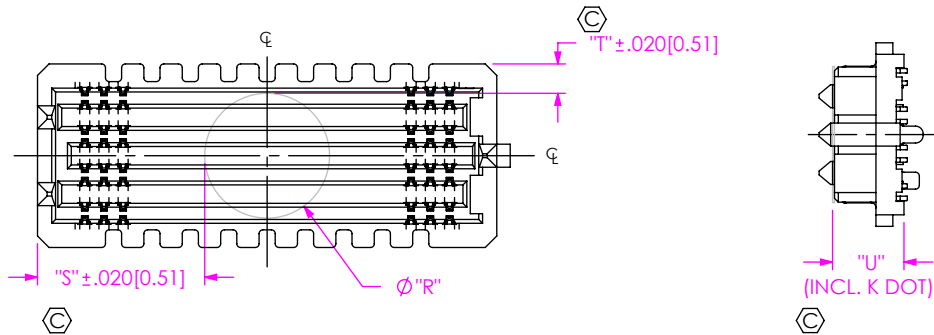
FIG 11
-K: K DOT
(SEAM-20-02.0-XX-08-1-A-K SHOWN)
(SAME AS FIG 1, EXCEPT AS SHOWN)
(SOME CENTER FEATURES REMOVED FOR CLARITY)

TABLE 14	
LEAD STYLE	"U"
-02.0	.186 [4.72]
-03.0	.225 [5.72]
-03.5	.245 [6.22]
-05.5	.324 [8.23]
-06.5	.365 [9.27]
-07.0	.382 [9.70]
-09.0	.461 [11.71]
-11.0	.540 [13.72]
*-13.0	.619 [15.72]

(* = NOT TOOLED)

DO NOT SCALE DRAWING

SHEET SCALE: 2:1

SAMTEC

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