



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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REVISION T

TABLE 1

No. OF POS	"A"	"B"	"C"
-10	4.25 [0.167]	3.600 [0.1417]	5.40 [0.213]
*-15	6.25 [0.246]	5.600 [0.2205]	7.40 [0.291]
-20	8.25 [0.325]	7.600 [0.2992]	9.40 [0.370]
-30	12.25 [0.482]	11.600 [0.4567]	13.40 [0.528]
-40	16.25 [0.640]	15.600 [0.6142]	17.40 [0.685]
-50	20.25 [0.797]	19.600 [0.7717]	21.40 [0.843]

* = NOT TOOLED FOR LEAD STYLE 2.50

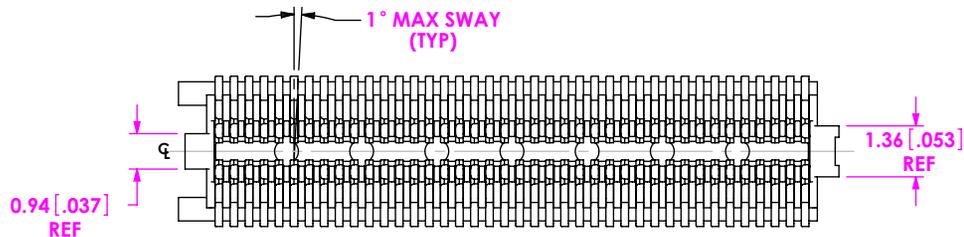
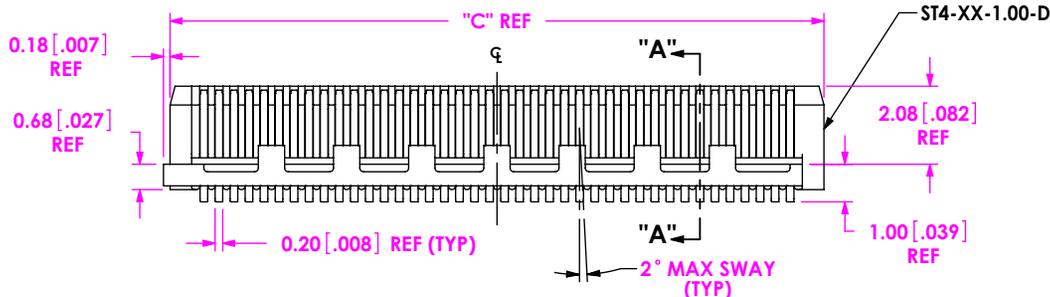
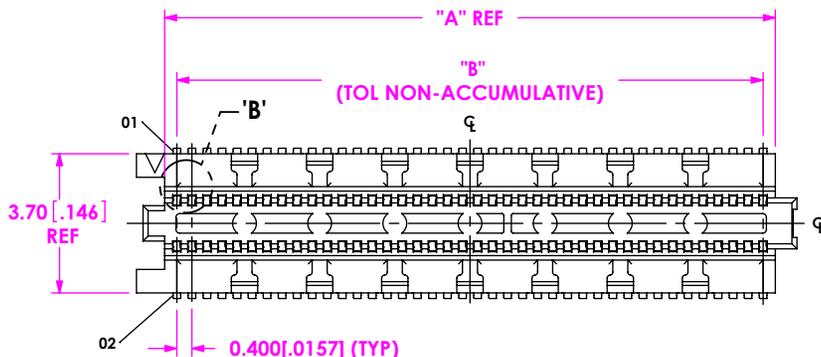


FIG 1
ST4-40-1.00-X-D SHOWN

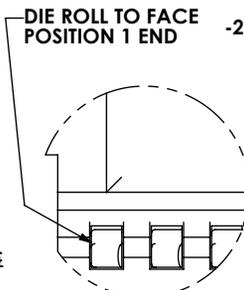
**DESIGNED & DIMENSIONED
IN MILLIMETERS(INCHES)**

ST4-XX-X.XX-X-D-X-XX-TR

No OF POSITIONS
-10, *-15, -20, -30, -40, -50
(PER ROW)

LEAD STYLE
-1.00: SEE FIG 1
(USE T-1M50-1.00-X)
-1.50: SEE FIG 2, SHT 2
(USE T-1M50-1.50-X)
-2.50: SEE FIG 3, SHT 2
(USE T-1M50-2.50-X)

PLATING SPECIFICATION
-L: 10μ" SELECTIVE GOLD
IN CONTACT AREA,
MATTE TIN ON TAIL
(USE T-1M50-X.XX-L)



DETAIL 'B'
SCALE 20 : 1

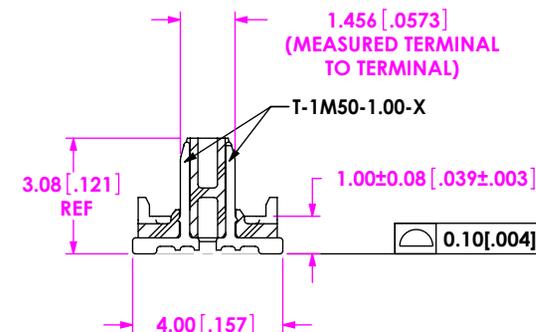
* = NOT TOOLED FOR LEAD STYLE 2.50
** = AVAILABLE FOR EXISTING CUSTOMERS ONLY

PACKAGING
-TR: TAPE AND REEL
(SEE NOTES 3 & 4)

PLACEMENT PAD
-P: PICK AND PLACE PAD
(-10, -20, -30, -40, -50 USE PPP-65-01,
-15 USE PPP-65-02)
(SEE FIG 7 & 8, SHT 3)
**-PA: PICK AND PLACE PAD
WITH -A PINS (USE PPP-70)
(SEE FIG 9 & 10, SHT 4)
(NOT AVAILABLE
ON -15 POS)

OPTIONS
**-L: LATCHING
(USE WT-39-X.XX-T)
(LEAVE BLANK FOR
NO OPTION)
(TOOLED FOR LEAD STYLE 1.00 ONLY)

ROW SPECIFICATION
-D: DOUBLE



SECTION "A"-"A"

TABLE 2 REF
STACK HEIGHT

ST4 LEAD STYLE	SS4 LEAD STYLE	
	-3.00	-3.50
-1.00	4.0 [0.16]	4.5 [0.18]
-1.50	4.5 [0.18]	5.0 [0.20]
-2.50	5.5 [0.22]	6.0 [0.24]

NOTES:

- ⊕ REPRESENTS A CRITICAL DIMENSION.
- MINIMUM PUSHOUT FORCE: SIGNAL: 0.80N[.25 LB], LATCH: 2.22N[.5 LB]
- P OPTION MUST BE SPECIFIED FOR TAPE & REEL PACKAGING.
- FOR QUANTITIES UP TO 49 PIECES, NO LEADER, TRAILER, OR REEL WILL BE SUPPLIED.
FOR QUANTITIES OF 50-124 PIECES, NO LEADER OR TRAILER WILL BE SUPPLIED.
- L OPTION NOT INTENDED FOR FOR ALIGNMENT TO PCB.
AUTOMATED PLACEMENT RECOMMENDED.

**UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN MILLIMETERS.**
TOLERANCES ARE:
DECIMALS ANGLES
.X: ±0.3 [.01] 2°
.XX: ±0.13 [.005]
.XXX: ±0.051 [.0020]

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MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 5:1
INSULATOR: LCP, UL 94 V0, COLOR: BLACK
TERMINAL: PHOS BRONZE



520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail info@SAMTEC.com code 53322

DESCRIPTION:
0.4mm[.016] TERMINAL STRIP ASSEMBLY

DWG. NO.
ST4-XX-X.XX-X-D-X-XX-TR

BY: BRATCHER 3/21/2007 SHEET 1 OF 4

FIG 2
1.50 LEAD STYLE
ST4-40-1.50-X-D SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

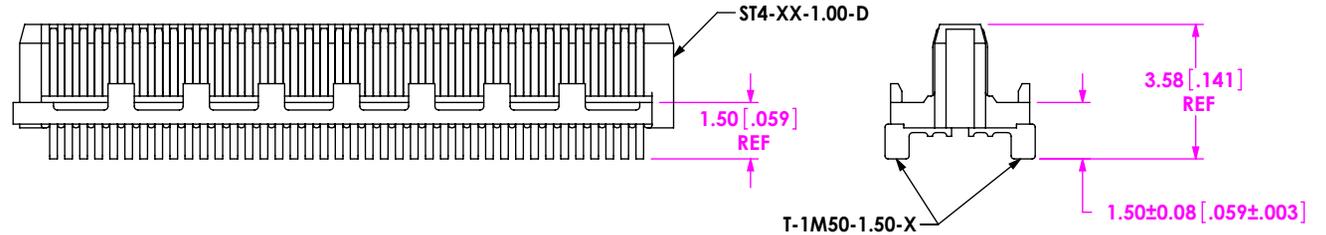
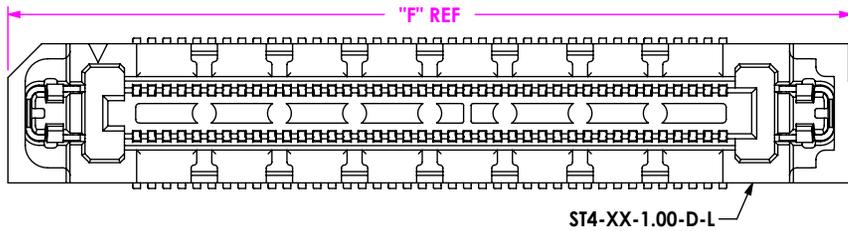
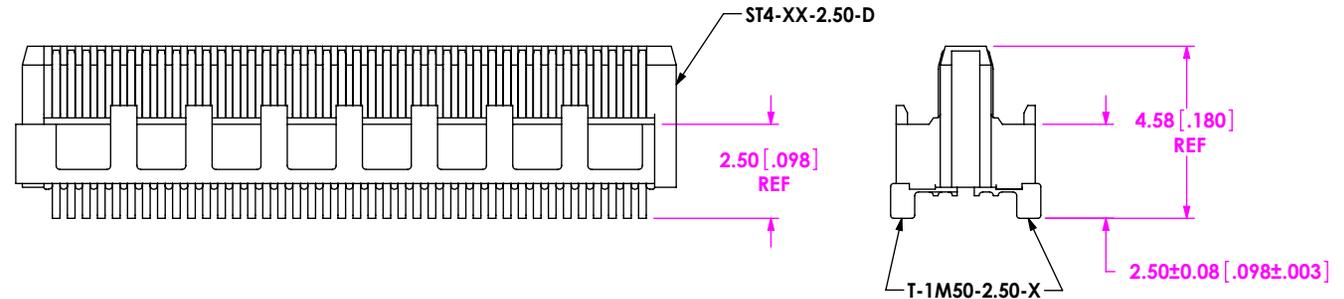
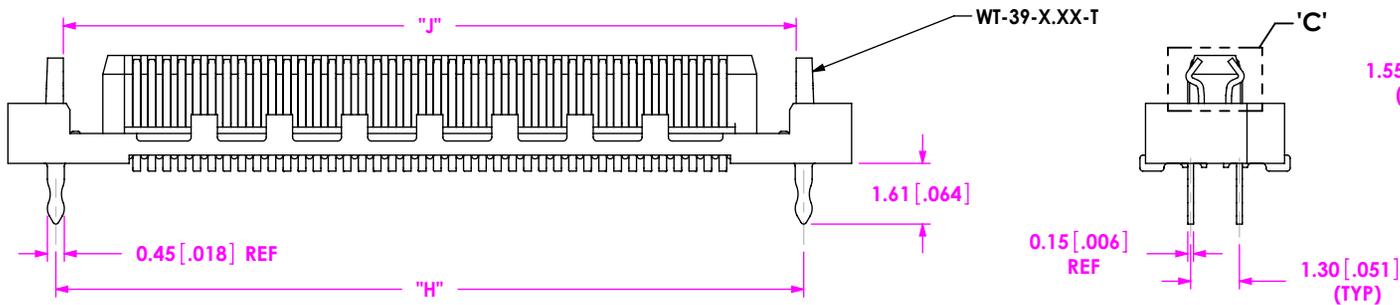
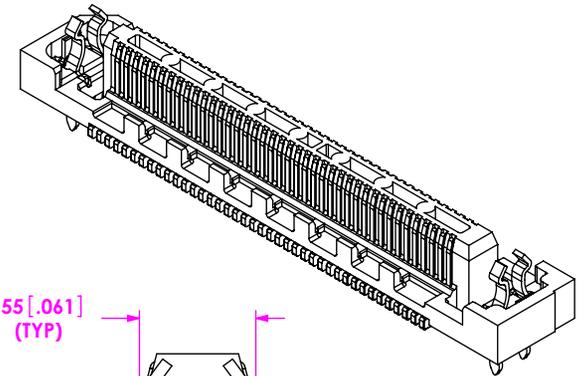


FIG 3
2.50 LEAD STYLE
ST4-40-2.50-X-D SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)



LEAD STYLE	LATCH
-1.00	WT-39-1.00-T
-1.50	WT-39-1.50-T
-2.50	WT-39-2.50-T

TOOLED FOR -1.00 LEAD STYLE ONLY



No. OF POS	"F"	"H"	"J"
-10	10.46 [0.412]	7.90 [0.311]	7.50 [0.295]
-15	12.46 [0.491]	9.90 [0.390]	9.50 [0.374]
-20	14.46 [0.569]	11.90 [0.469]	11.50 [0.453]
-30	18.46 [0.727]	15.90 [0.626]	15.50 [0.610]
-40	22.46 [0.884]	19.90 [0.783]	19.50 [0.768]
-50	26.46 [1.042]	23.90 [0.941]	23.50 [0.925]

FIG 5
**** -L: LATCHING OPTION**
ST4-40-1.00-X-D-L SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
**** = AVAILABLE FOR EXISTING CUSTOMERS ONLY**

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SHEET SCALE: 5:1

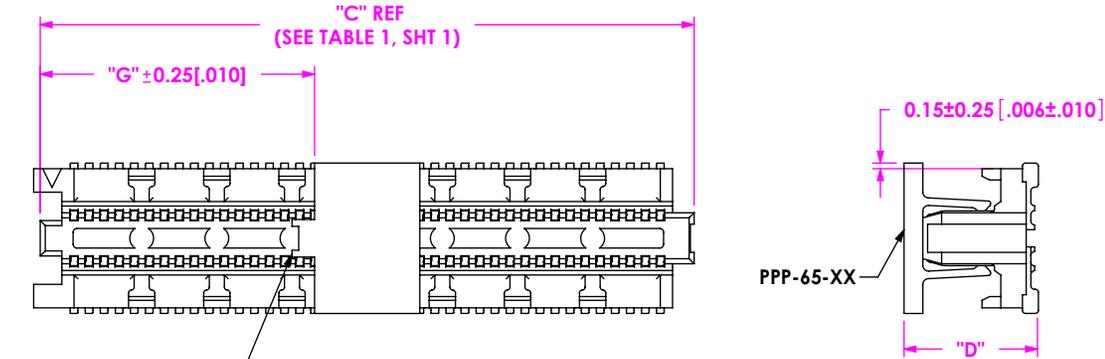


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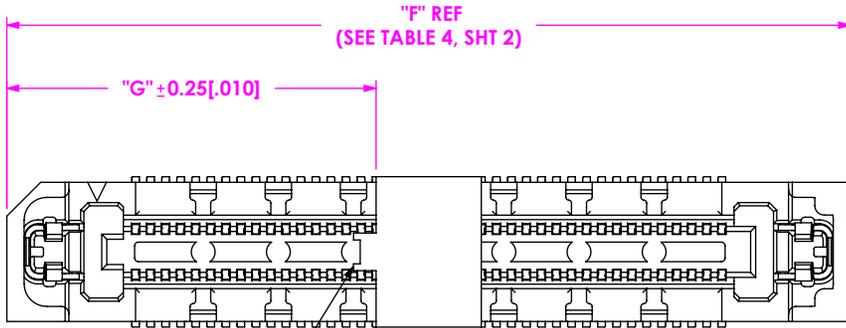
BY: BRATCHER 3/21/2007 SHEET 2 OF 4



NOTCH OF PPP-65-XX TO FACE POS 1 END

FIG 7
 -P: PICK AND PLACE PAD OPTION
 ST4-40-1.00-X-D-P SHOWN
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

LEAD STYLE	"D"
-1.00	3.55 [0.140]
-1.50	4.05 [0.159]
-2.50	5.05 [0.199]



NOTCH OF PPP-65-XX TO FACE POS 1 END

FIG 8
 -P: PICK AND PLACE PAD (W/ LATCH OPTION)
 ST4-40-1.00-X-D-L-P SHOWN
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

No. OF POS	"G" WITH NO - L OPTION	"G" WITH -L OPTION
-10	1.30 [0.051]	3.83 [0.151]
*-15	2.30 [0.091]	2.83 [0.111]
-20	3.30 [0.130]	5.83 [0.230]
-30	5.30 [0.209]	7.83 [0.308]
-40	7.30 [0.287]	9.83 [0.387]
-50	9.30 [0.366]	11.83 [0.466]

* = NOT TOOLED FOR LEAD STYLE 2.50

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BY: BRATCHER 3/21/2007 SHEET 3 OF 4

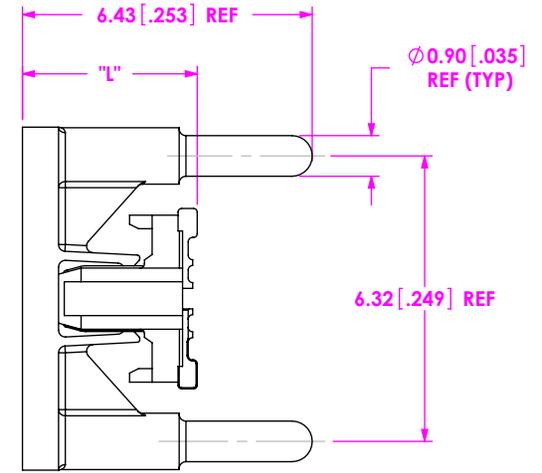
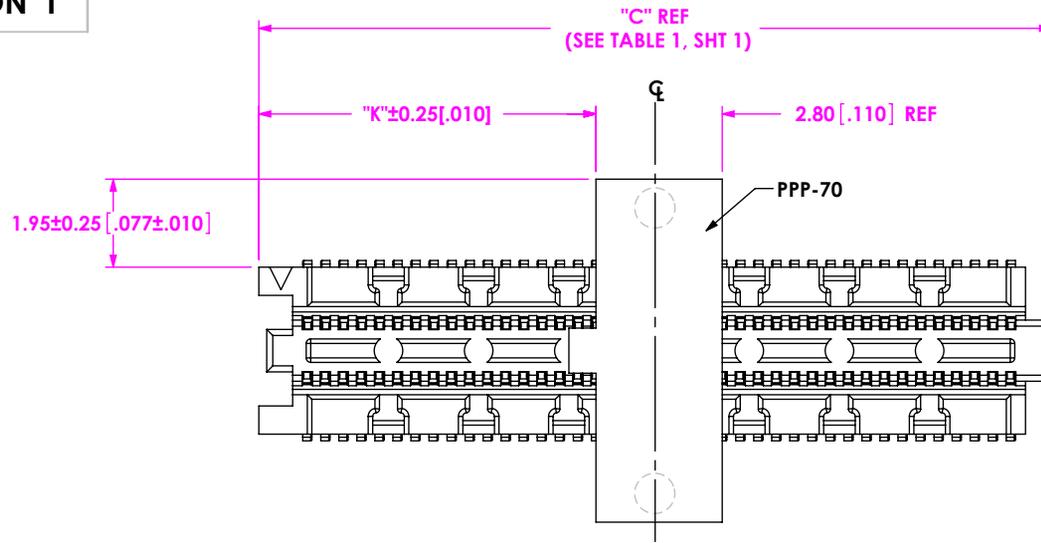


FIG 9
**** - PA: PICK & PLACE WITH ALIGNMENT PINS**
ST4-40-1.00-X-D-PA SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
**** = AVAILABLE FOR EXISTING CUSTOMERS ONLY**

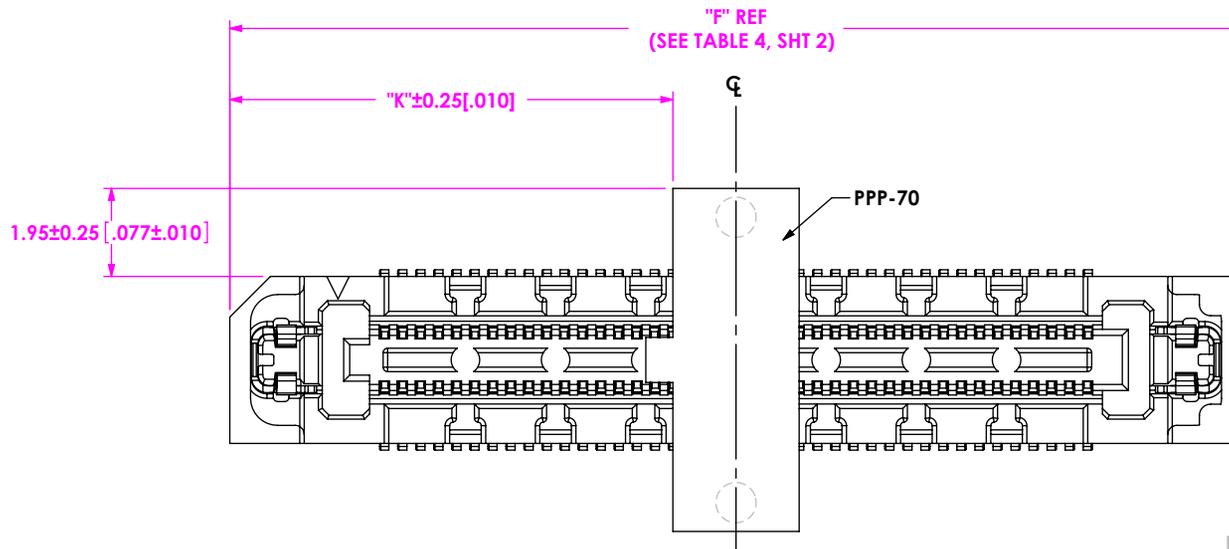


FIG 10
**** - PA: PICK & PLACE WITH ALIGNMENT PINS (WITH -L OPTION)**
ST4-40-1.00-X-D-L-PA SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
**** = AVAILABLE FOR EXISTING CUSTOMERS ONLY**

TABLE 9

POS	"K" W/O -L OPTION	"K" W/ -L OPTION
-10	1.300 [0.051]	3.830 [0.151]
-20	3.300 [0.130]	5.830 [0.230]
-30	5.300 [0.209]	7.830 [0.308]
-40	7.300 [0.287]	9.830 [0.387]
-50	9.300 [0.366]	11.830 [0.466]

TABLE 10

LEAD STYLE	"L"
-1.00	3.58 [0.141]
-1.50	4.08 [0.161]
-2.50	5.08 [0.200]

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