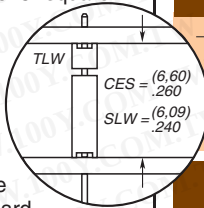


LOW PROFILE .025" SQ POST HEADERS

Mates with:
BSW, CES, SLW, HLE,
SMDS, SMSS

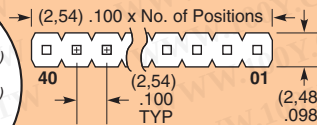
FEATURES

These headers provide the ultimate low profile (0,64 mm) .025" square post board stacking system. The high quality Phosphor Bronze terminals are available with a standard short post height (TLW Series) for mating with low profile sockets, or the post height can be Modified (MTLW Series) to accommodate IDC assemblies and other applications.

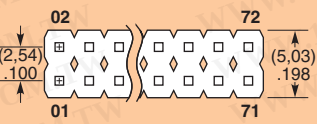


TLW — **1** **NO. PINS PER ROW**

01 thru 40
= Single Row

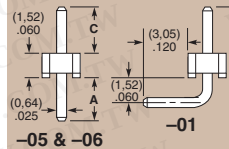


01 thru 36
= Double Row



LEAD STYLE

Specify
LEAD STYLE
from chart



LEAD STYLE	A	C
-01	N/A	(5,84) .230
-05	(4,32) .170	(2,67) .105
-06	(3,43) .135	(2,67) .105

PLATING OPTION

-F
= Gold flash on post, Matte Tin on tail

-G
= 10μ" (0,25 μm) Gold on post, Gold flash on tail

-T
= Matte Tin

ROW OPTION

-S
= Single Row

-D
= Double Row

OTHER OPTION

-RA
= Right Angle
(-01 Lead Style only)

-“XX”
= Polarized Position
Specify position for omitted pin.

ALSO AVAILABLE
(MOQ Required)

• Other platings
Contact Samtec.

SPECIFICATIONS

For complete specifications see www.samtec.com?TLW or www.samtec.com?MTLW

Insulator Material:
Black Liquid Crystal Polymer

Terminal Material:
Phosphor Bronze

Plating:

Au or Sn over

50μ" (1,27 μm) Ni

Current Rating (TLW/SLW):
5.2 A per pin (1 pin powered per row)

Operating Temp Range:

-55°C to +105°C with Tin

-55°C to +125°C with Gold

RoHS Compliant:

Yes

Lead-Free Solderable:

Yes

RECOGNITIONS

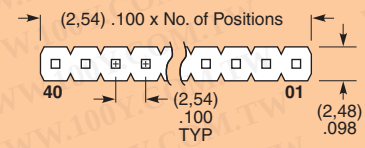
For complete scope of recognitions see www.samtec.com/quality



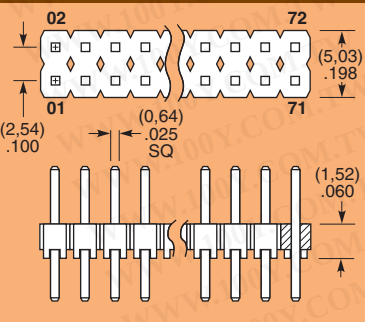
Note:
Some lengths, styles and options are non-standard, non-returnable. MTLW Series is non-standard, non-returnable.

MTLW — **1** **NO. PINS PER ROW**

01 thru 40
= Single Row

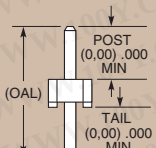


01 thru 36
= Double Row



LEAD STYLE

Specify
LEAD STYLE
from chart



LEAD STYLE	OAL
-05	(8,51) .335
-06	(7,62) .300
-07	(10,92) .430
-08	(13,46) .530
-09	(18,54) .730
-10	(21,08) .830
-22	(16,00) .630
-23	(11,30) .445
-24	(12,19) .480

PLATING OPTION

-F
= Gold flash on post, Matte Tin on tail

-L
= 10μ" (0,25 μm) Gold on post, Matte Tin on tail (Styles -05 & -06 not available)

-G
= 10μ" (0,25 μm) Gold on post, Gold flash on tail

-T
= Matte Tin

ROW OPTION

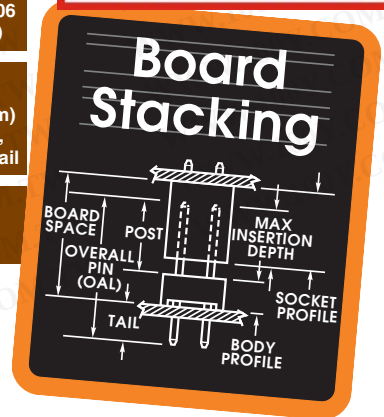
-S
= Single Row

-D
= Double Row

POST HEIGHT

-“XXX”
= Post Height Dimension (In inches)

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勝特力电子(上海) 86-21-34970699
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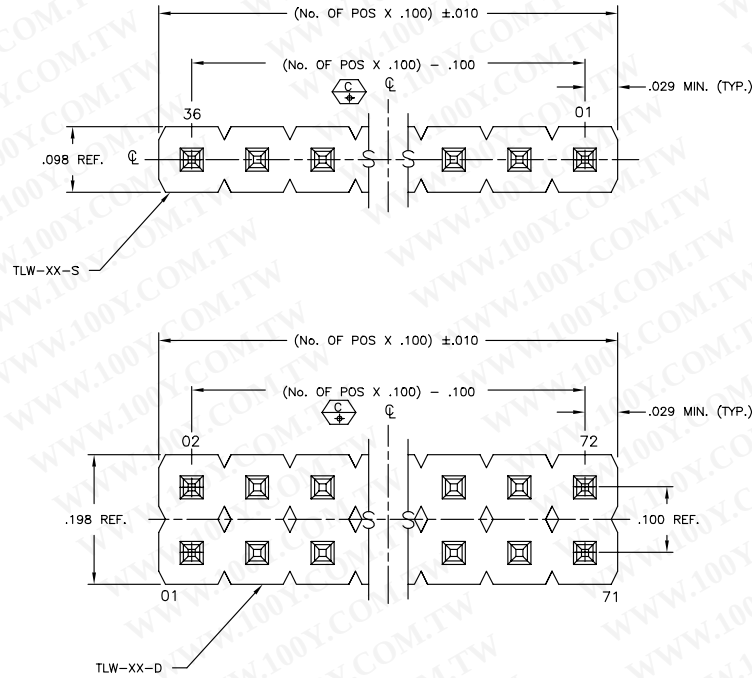
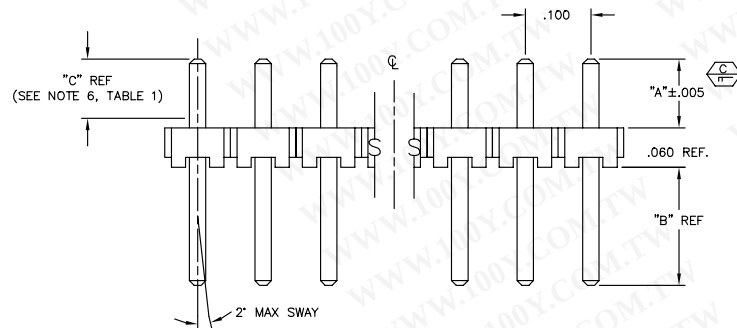


Due to technical progress, all designs, specifications and components are subject to change without notice.

WWW.SAMTEC.COM

REVISION V

UNLESS OTHERWISE NOTED			TITLE:	DWG NO:
DIMENSIONS ARE IN INCHES		TOLERANCES ARE:		
ONE PLACE DECIMALS ±.1	THREE PLACE DECIMALS ± .005	ANGLES ± 2°	LOW PROFILE TERMINAL ASSEMBLY	TLW-1XX-XX-XXX-X-XXX-XX SHEET 1 OF 3
TWO PLACE DECIMALS ±.01	FOUR PLACE DECIMALS ± .0020			

FIG. 1
(THROUGH HOLE)

NOTES:

- 1.) MAX ALLOWABLE BOW AFTER ASSEMBLY: .005 IN/IN.
- 2.) TERMINAL PUSHOUT FORCE: 2 lbs. MIN.
- 3.) MAX PIN ROTATION IN BODY: 2°.
- 4.) Ⓢ REPRESENTS A CRITICAL DIMENSION.
- 5.) MAX CUT FLASH: .010.
- 6.) GOLD CONTACT AREA LOCATION FOR G, H, S, L, F, SM, LM, FM, & STL PLATINGS.
- 7.) ORIENTATE PINS TO PREVENT BANDOLIER MARKS FROM SHOWING IN THE POST AREA. (SEE TABLE 2)

TLW-1XX-XX-XXX-X-XXX-XX

No. OF POSITIONS

- 01 THRU -40 (SINGLE)
- 01 THRU -36 (DOUBLE)

LEAD STYLE

- 01: (RA) SEE FIG. 2
- 05: (TH) SEE TABLE 1
- 06: (TH) SEE TABLE 1

PLATING SPECIFICATION

- G: GOLD (SPECIFY -G IN TERMINAL SUFFIX -XXX)
- T: TIN (SPECIFY -T IN TERMINAL SUFFIX -XXX)
- H: HEAVY GOLD (SPECIFY -H IN TERMINAL SUFFIX -XXX)
- S: SELECTIVE (SPECIFY -S IN TERMINAL SUFFIX -XXX)
- F: FLASH SELECTIVE (SPECIFY -F IN TERMINAL SUFFIX -XXX)
- L: LIGHT SELECTIVE (SPECIFY -L IN TERMINAL SUFFIX -XXX)
- TM: MATTE TIN (SPECIFY -T IN TERMINAL SUFFIX -XXX)
- SM: SELECTIVE HEAVY GOLD, MATTE TIN TAIL (SPECIFY -S IN TERMINAL SUFFIX -XXX)
- FM: FLASH SELECTIVE GOLD, MATTE TIN TAIL (SPECIFY -F IN TERMINAL SUFFIX -XXX)
- LM: LIGHT SELECTIVE GOLD, MATTE TIN TAIL (SPECIFY -L IN TERMINAL SUFFIX -XXX)
- STL: SELECTIVE GOLD, TIN/LEAD TAIL (SPECIFY -STL IN TERMINAL SUFFIX -XXX) (AVAILABLE IN STRAIGHT THROUGH HOLE VERSION **ONLY**)

OPTIONS

- BLANK: THROUGH HOLE (SEE FIG 1)
- RA: RIGHT ANGLE (LEAD STYLE -01 ONLY) (SEE FIG 2)
- LL: TH WITH LOCKING LEADS (SEE FIG 4)
- LA: RA WITH LOCKING LEADS (SEE FIG 3)

POLARIZING SPECIFICATION

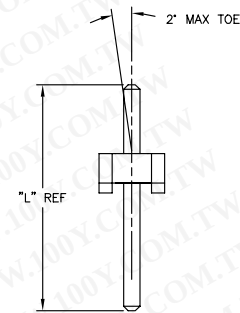
XXX INDICATES POS. TO BE OMITTED
(IDENTIFY POSITION WITH FEET DOWN)

ROW SPECIFICATION

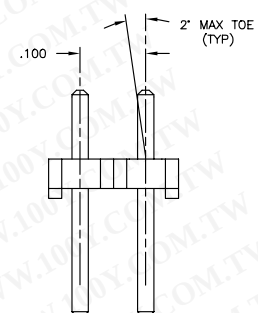
- S: SINGLE ROW (USE TLW-XX-S)
- D: DOUBLE ROW (USE TLW-XX-D)

TABLE 1

LEAD	TERMINAL 1	TERMINAL 2	"L"	"A"	"B"	"C"
-05	T-1S6-21-XXX-2	N/A	.335	.105	.170	.050
-06	T-1S6-18-XXX-2	N/A	.300	.105	.135	.050
-01-S	T-1S6-22-XXX-2	N/A	.495	.230	N/A	.165
-01-D	T-1S6-22-XXX-2	-----	.495	.230	N/A	.165
-01-D	-----	T-1S6-23-XXX-2	.695	.230	N/A	.165



-S: SINGLE



-D: DOUBLE

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MATERIAL:
INSULATOR:
LIQUID CRYSTAL POLYMER
COLOR: BLACK

TERMINALS:
PHOSPHOR BRONZE

EXISPROD/ASSEMBLY/100
TLWASM

samtec

520 PARK EAST BLVD. NEW ALBANY, INDIANA 47150
PHONE (812) 944-6733 P.O. BOX 1147
CODE 55322

MADE BY:

M PUFFER 8-18-97

TLW-1XX-XX-XXX-X-XXX-XX

SHEET 1 OF 3

REV V

DIMENSIONS ARE IN INCHES

UNLESS OTHERWISE NOTED

TOLERANCES ARE:

ONE PLACE DECIMALS: $\pm .1$ THREE PLACE DECIMALS: $\pm .005$

ANGLES

 $\pm 2^\circ$ TWO PLACE DECIMALS: $\pm .01$ FOUR PLACE DECIMALS: $\pm .0020$

TITLE:

LOW PROFILE
TERMINAL ASSEMBLY

DWG NO:

TLW-1XX-XX-XXX-X-XXX-XX

SHEET 2 OF 3

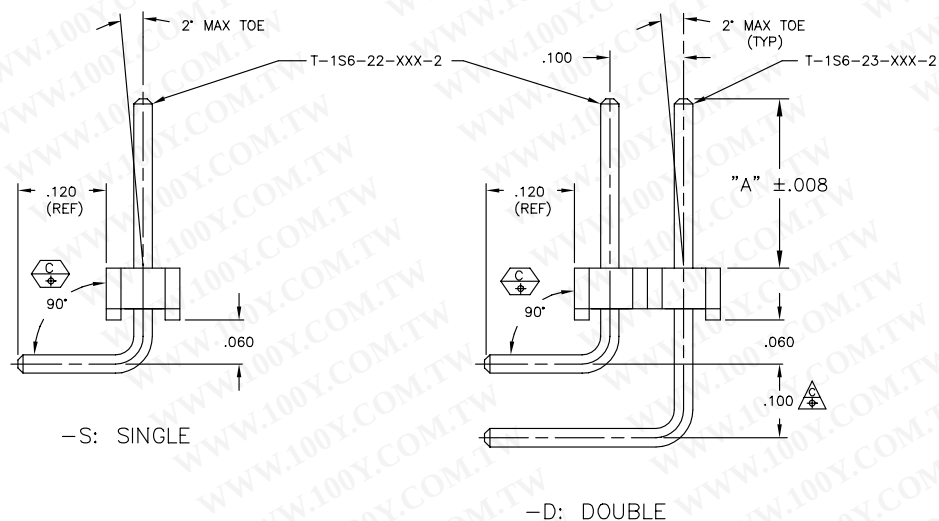


FIG. 2

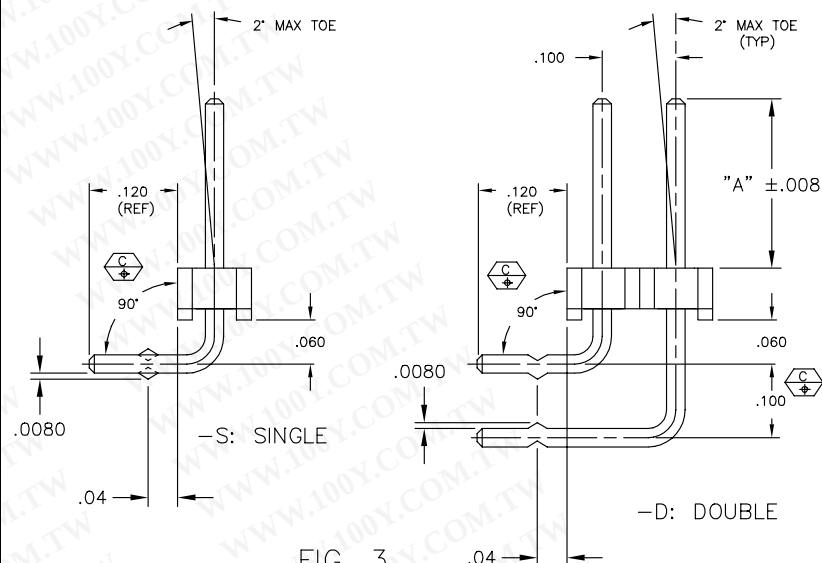
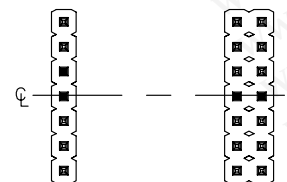
(-RA OPTION)
NOTE: END VIEWS SHOWN.

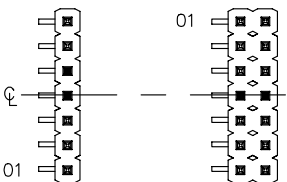
FIG. 3

(-LA OPTION)
NOTE: END VIEWS SHOWN.

SINGLES: DOUBLES:

STRAIGHT VERSION

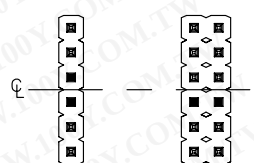
ODD POSITIONS



SINGLES: DOUBLES:

RIGHT ANGLE VERSION

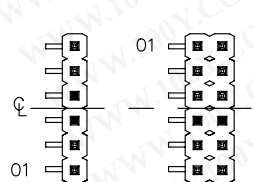
ODD POSITIONS



SINGLES: DOUBLES:

STRAIGHT VERSION

EVEN POSITIONS



SINGLES: DOUBLES:

RIGHT ANGLE VERSION

EVEN POSITIONS

LOCKING LEAD

■ = CRIMP LOCATION

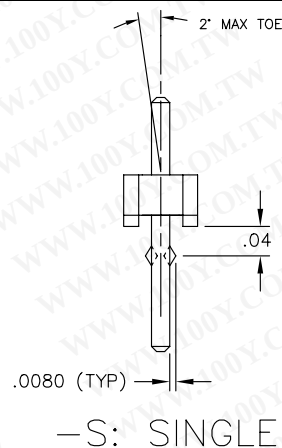
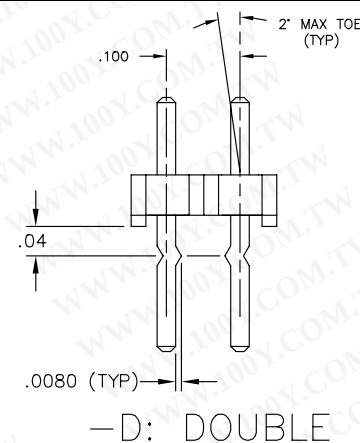


FIG. 4

(-LL OPTION)
NOTE: END VIEWS SHOWN.

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MADE BY:

M PUFFER 8-18-97

TLW-1XX-XX-XXX-X-XXX-XX
SHEET 2 OF 3

V

SHEET 3 OF 3

ANGLES
$\pm 2^\circ$

NUMBER OF BAND MARKS
ALLOWED IN THE POST AREA

* PINS TO BE FLIPPED OPPOSITE OF SELECTIVE PLATING BEFORE BEING INSERTED

 (SEE NOTE 7)
(SEE TABLE 2)

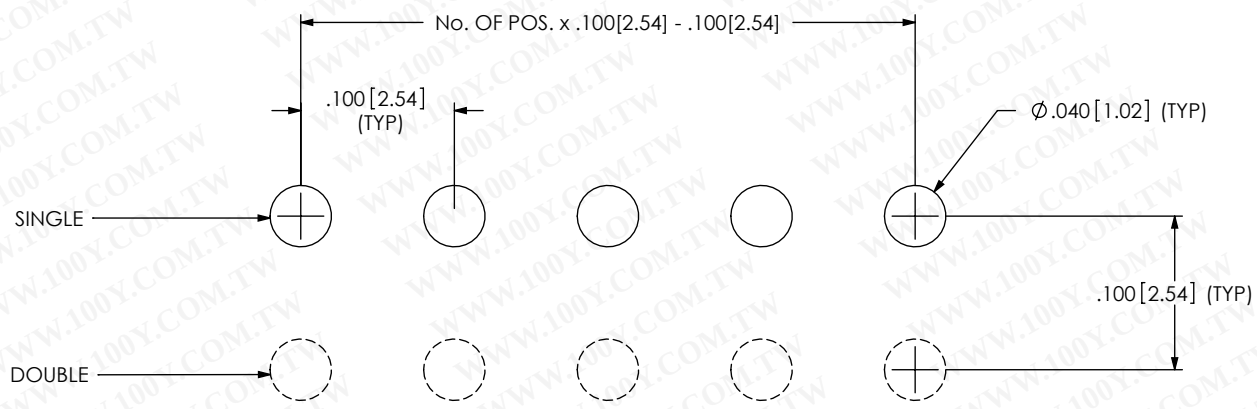
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