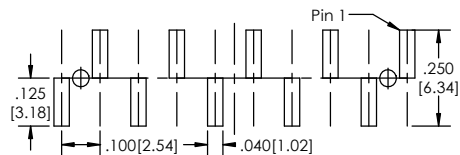
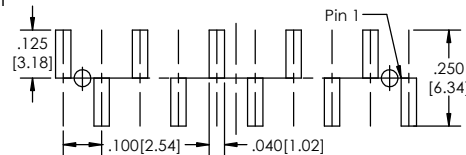


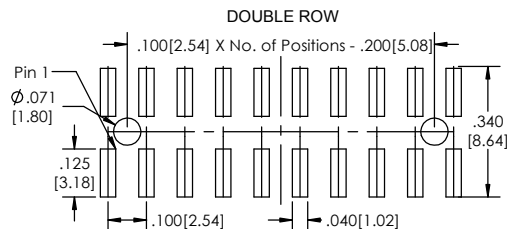
Recommended P.C. Board Layout SCALE 4:1



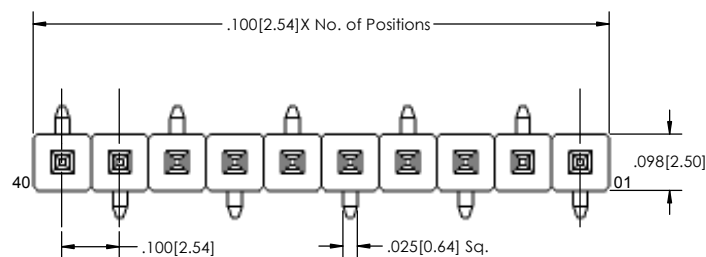
SINGLE (M) ROW



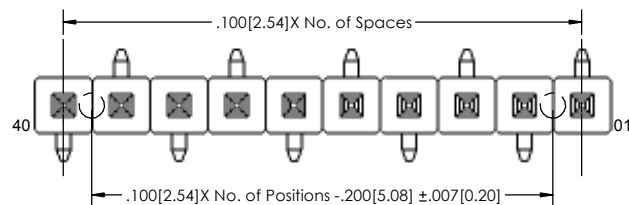
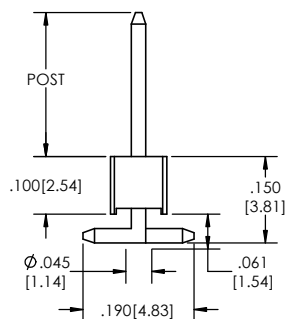
SINGLE (S) ROW



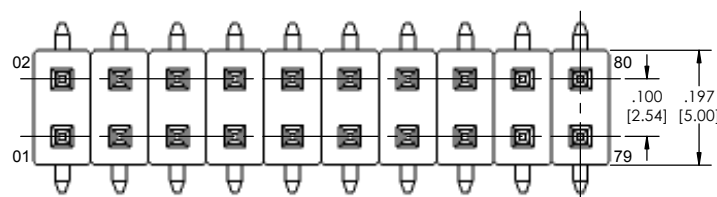
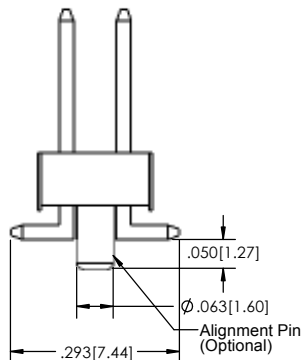
DOUBLE ROW



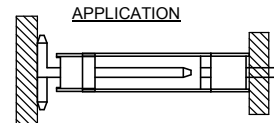
SINGLE (S) ROW



SINGLE (M) ROW



DOUBLE ROW



SINGLE (S)
ROW

SINGLE (M)
ROW

DOUBLE
ROW

TSHSM-1 **XX** - **X** - **XX** - **XX** - **V** - **XXX** - **X** - **XX** - **X** - **XX** - **LF**
(A) (B) (C) (D) (E) (F) (G) (H) (I) (J) (K)

- A. Pins Per Row
- 1 through 40
- B. Row Specification
- S= Single Row
- D= Double Row
- C. Pin Options
- See Pin Options below
- D. Plating Options
- See Plating Options below
- E. V= Vertical
- F. Polarized Position
- Leave blank if not needed
- If required, specify empty pin position
- e.g. 012 for Pin 12
- G. Footprint
- S= pin 1 left
- M= pin 1 right
- H.I. Packing Information
- TR=P= Tape and Reel with Plastic Pick and Place pad
- TB=P= Tube with Plastic Pick and Place pad
- TB=O= Tube without Pick and Place pad
- If left blank, packaging at MLE's discretion
Pad may be metal, mylar or plastic
- J. Alignment Pin (Optional)
- AP= Alignment Pin which is optional on the Double Row
- K. Lead Free

Mates with:

BCSS
BSSH
BSSHC
BSSQ
BSSQC
BSSQM
LBCSS
LSMBC
LSWSS
SMBC
SSHQ
SSHQR
SSHR
SSHS
SSSHM

Plating options	
G	-10µ Gold on Contact Area/ Flash on Tail
T	-Matte Tin all Over
GT	-10µ Gold on Contact Area/ Matte Tin on Tail
H	-30µ Gold on Contact Area/ Matte Tin on Tail
F	-Gold Flash over Entire Pin
FT	-Gold Flash on Contact Area/ Matte Tin on Tail

Pin Options	
Post Height	
.120	3.05mm 02
.135	3.43mm 03
.230	5.84mm 06
.245	6.22mm 08
.256	6.50mm 10
.280	7.11mm 11
.318	8.08mm 14
.420	10.67mm 16
.520	13.21mm 20
.620	15.75mm 22
.720	18.29mm 24
.820	20.83mm 26
.920	23.37mm 28
1.020	25.91mm 30
1.120	28.45mm 32
1.220	30.99mm 34
1.320	33.53mm 36

Specifications:
Current Rating: 3.0 Ampere
Insulation Resistance: 1000M Ohms Min.
Dielectric Withstanding: 600V AC
Contact Resistance: 20M Ohms Max.
Operation Temperature: -40°C to +105°C
Max. Process Temperature
Peak: 260°C up to 20 secs.
Process: 230°C up to 60 secs.
Wave: 260°C up to 6 secs.
Reflow: 260°C up to 10 secs.
Manual Solder: 350°C up to 5 secs.

Materials:
Contact Material: Phosphor Bronze
Insulator Material: Nylon 6T
Plating: Au or Sn over 50µ" (1.27) Ni

Tails may be clipped to achieve specific dimensions.
Products cut to specific sizes are uncancelable/ nonreturnable.
Parts are subject to change without notice.



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UNLESS OTHERWISE SPECIFIED:		NAME	DATE
DIMENSIONS ARE IN INCHES		DRAWN	EOW 12/17/13
TOLERANCES:		CHECKED	GWE 12/17/13
ONE DECIMAL ±.100		ENG APPR.	
TWO DECIMAL ±.100		MFG APPR.	
THREE DECIMAL ±.005		D.A.	
FOUR DECIMAL ±.002		ADDRESS:	4235 Earnings Way New Albany, IN 47150 Phone: 812-944-7244 Fax: 812-944-7268 e-Mail: m.le@ml-electronics.com
NEXT ASSY	USED ON	FINISH	DO NOT SCALE DRAWING
APPLICATION		TITLE: TSHSM-1 SERIES	
		SIZE	DWG. NO.
		C	A
		SCALE 6:1	SHEET 1 OF 1

