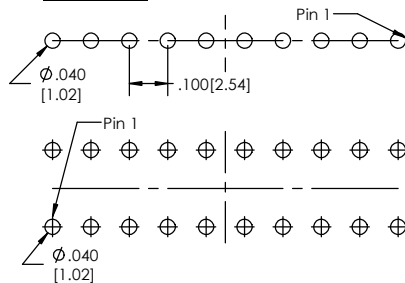
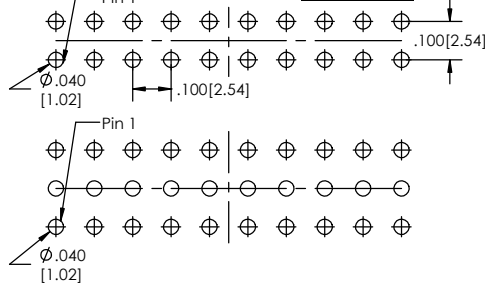


# Recommended P.C. Board Layout SCALE 4:1

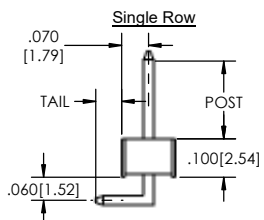
## SINGLE ROW



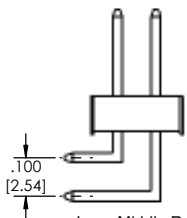
## DOUBLE ROW



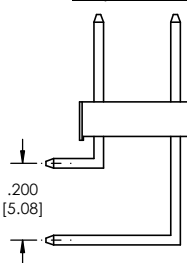
## JUMP MIDDLE ROW



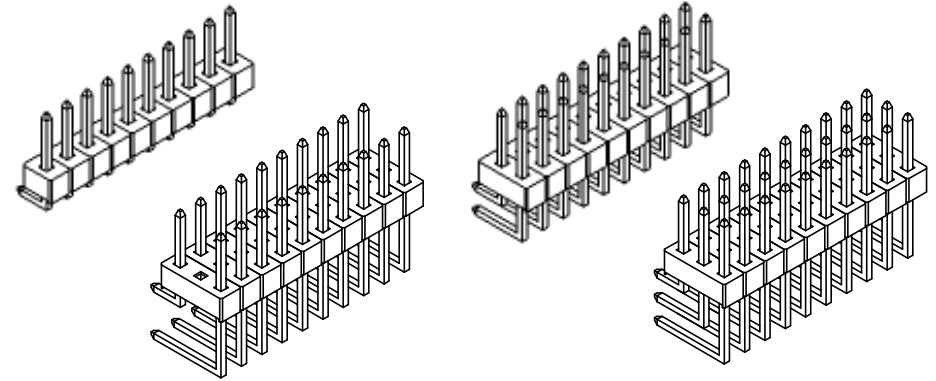
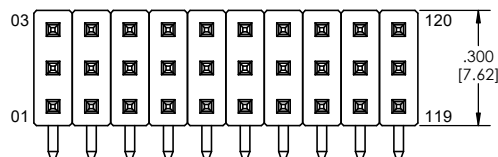
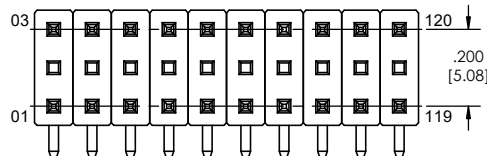
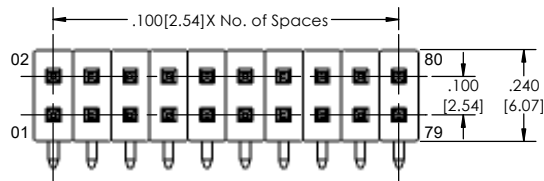
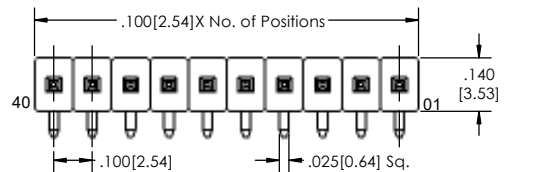
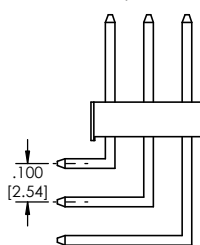
## Double Row



## Jump Middle Row



## Triple Row



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

- A. Pins Per Row  
- 1 through 40
- B. Row Specification  
- S= Single  
- D= Double Row  
- J= Jump Middle Row  
- T= Triple Row
- C. Detailed Tail Length  
- If left blank  
- Length(L) - Post Height(P) - .210[5.33] = Tail Length(T)
- D. Pin Options  
- See Pin Options below
- E. Desired Post Height  
- Please Specify  
- e.g. .230[5.84]= 230
- F. Plating Options  
- See Plating Options below
- G. Lock Tight "LT" (Optional)  
- Leave blank if not needed  
- LT= With
- H. Polarized Position  
- Leave blank if not needed  
- If required, specify empty pin position  
- e.g. 012 for Pin 12
- I. Every Other Pin Filled (.200 Centers)  
- Leave blank if not needed  
- E= Filled
- J. Lead Free

| 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    |              |    |
|----------------|--------------|----|
| Overall Length | Post Length  |    |
| .430[10.92]    | .130[3.30]   | 06 |
| .445[11.30]    | .145[3.68]   | 08 |
| .456[11.58]    | .156[3.96]   | 10 |
| .480[12.19]    | .180[4.57]   | 11 |
| .530[13.46]    | .230[5.84]   | 14 |
| .630[16.00]    | .330[8.38]   | 16 |
| .730[18.54]    | .430[10.92]  | 20 |
| .830[21.08]    | .530[13.46]  | 22 |
| .930[23.62]    | .630[16.00]  | 24 |
| 1.030[26.16]   | .730[18.54]  | 26 |
| 1.130[28.70]   | .830[21.08]  | 28 |
| 1.230[31.24]   | .930[23.62]  | 30 |
| 1.330[33.78]   | 1.030[26.16] | 32 |
| 1.430[36.32]   | 1.130[28.70] | 34 |
| 1.530[38.86]   | 1.230[31.24] | 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.  
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 uncancellable/ nonreturnable.  
Parts are subject to change without notice.



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|                             |  |                               |              |
|-----------------------------|--|-------------------------------|--------------|
| UNLESS OTHERWISE SPECIFIED: |  | NAME                          | DATE         |
| DIMENSIONS ARE IN INCHES    |  | DRAWN                         | EOW 08/02/16 |
| TOLERANCES:                 |  | CHECKED                       | GWE 08/02/16 |
| ONE DECIMALS ±.100          |  | ENG APPR.                     |              |
| TWO DECIMAL ±.010           |  | MFG APPR.                     |              |
| THREE DECIMAL ±.005         |  | ADDRESS:                      |              |
| FOUR DECIMAL ±.002          |  | 2533 Centennial Blvd.         |              |
| NEXT ASSY USED ON           |  | Jeffersonville, IN 47130      |              |
| APPLICATION                 |  | Phone: 812-670-4174           |              |
| DO NOT SCALE DRAWING        |  | Fax: 812-670-4175             |              |
|                             |  | E-Mail: mle@mlelectronics.com |              |
|                             |  | TITLE: TSHCR-1 Series         |              |
|                             |  | SIZE DWG. NO.                 |              |
|                             |  | C                             |              |
|                             |  | SCALE: 6:1                    |              |
|                             |  | SHEET 1 OF 1                  |              |

