

DO NOT  
SCALE FROM  
THIS PRINT

UMPS-XX-XX.X-XX-V-X-X-XR

NO. OF POSITIONS

- 02, -03, -04, -05,
- 06, -07, -08, -09, -10

TAPE & REEL

- TR: TAPE & REEL
- FR: FULL REEL QTY TAPE & REEL

LEAD STYLE

- 03.5: 3.5 mm
- 05.5: 5.5 mm
- 07.5: 7.5 mm

PLATING

- T: MATTE TIN
- G: 10µ" SELECTIVE GOLD IN CONTACT AREA, 3µ" GOLD ON TAIL, MATTE TIN ON THE WELD TAB
- L: 10µ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL, MATTE TIN ON THE WELD TAB
- S: 30µ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL, MATTE TIN ON THE WELD TAB
- SL: 30µ" SELECTIVE GOLD ON CONTACT AREA, TIN-LEAD ON TAIL, TIN-LEAD ON THE WELD TAB

WELD TAB OPTIONS

- (LEAVE BLANK FOR NO WELD TAB)
- \*\*W: WELD TAB THROUGH HOLE
- \*\*\*S: SURFACE MOUNT WELD TAB (ONLY FOR SURFACE MOUNT TAIL)

TAIL

- \*\*S: SURFACE MOUNT
- 1: THROUGH HOLE FOR 1.57 [.062]PCB
- 2: THROUGH HOLE FOR 2.36 [.093]PCB

ORIENTATION

- \*\*V: VERTICAL

- (\* = NOT TOOLED)
- (\*\* = SEE NOTE 7)
- (\*\*\* = NOT RELEASED)

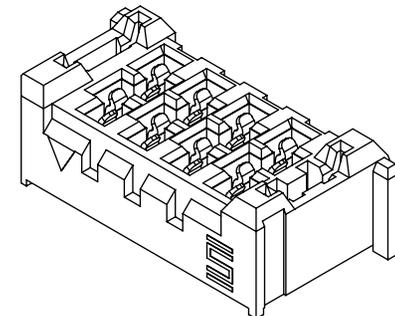
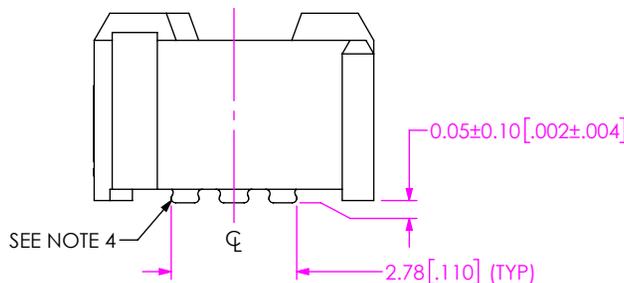
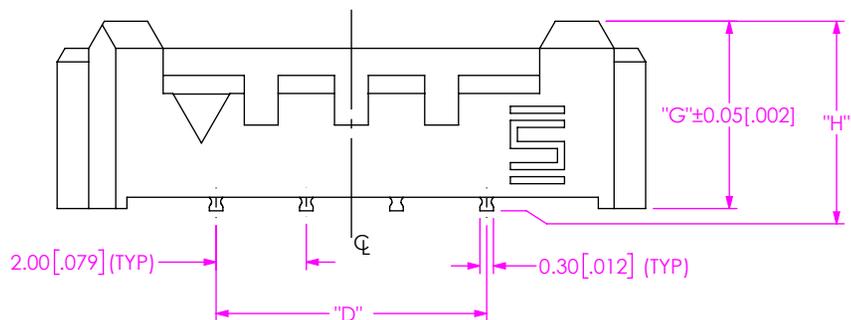
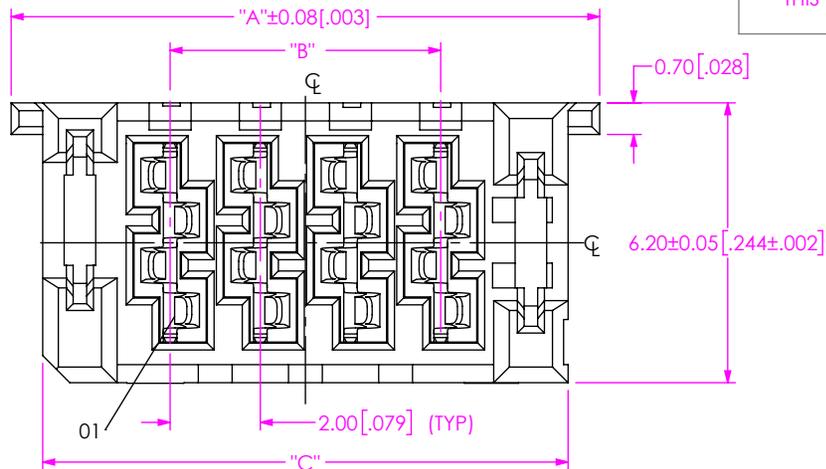


FIG 1  
UMPS-04-03.5-XX-V-S SHOWN

| TABLE 2<br>STACK HEIGHT |                 |               |               |
|-------------------------|-----------------|---------------|---------------|
| UMPT LEAD STYLE         | UMPS LEAD STYLE |               |               |
|                         | -03.5           | -05.5         | -07.5         |
| -01.5                   | 5.00 [0.197]    | 7.00 [0.276]  | 9.00 [0.354]  |
| -02.5                   | 6.00 [0.236]    | 8.00 [0.315]  | 10.00 [0.394] |
| -06.5                   | 10.00 [0.394]   | 12.00 [0.472] | 14.00 [0.551] |
| -07.5                   | 11.00 [0.433]   | 13.00 [0.512] | 15.00 [0.591] |
| -12.5                   | 16.00 [0.630]   | 18.00 [0.709] | 20.00 [0.787] |

| TABLE 3    |              |              |              |
|------------|--------------|--------------|--------------|
| LEAD STYLE | "G"          | "H"          | "J"          |
| -03.5      | 4.15 [0.163] | 4.20 [0.165] | 3.68 [0.145] |
| -05.5      | 6.15 [0.242] | 6.20 [0.244] | 5.68 [0.224] |
| -07.5      | 8.15 [0.321] | 8.20 [0.323] | 7.68 [0.302] |

| TABLE 1        |              |              |              |              |              |
|----------------|--------------|--------------|--------------|--------------|--------------|
| No OF POSITION | "A"          | "B"          | "C"          | "D"          | "E"          |
| -02            | 9.05 [.356]  | 2.00 [.079]  | 7.65 [.301]  | 2.00 [.079]  | 6.00 [.236]  |
| -03            | 11.05 [.435] | 4.00 [.157]  | 9.65 [.380]  | 4.00 [.157]  | 8.00 [.315]  |
| -04            | 13.05 [.514] | 6.00 [.236]  | 11.65 [.459] | 6.00 [.236]  | 10.00 [.394] |
| -05            | 15.05 [.593] | 8.00 [.315]  | 13.65 [.537] | 8.00 [.315]  | 12.00 [.472] |
| -06            | 17.05 [.671] | 10.00 [.394] | 15.65 [.616] | 10.00 [.394] | 14.00 [.551] |
| -07            | 19.05 [.750] | 12.00 [.472] | 17.65 [.695] | 12.00 [.472] | 16.00 [.630] |
| -08            | 21.05 [.829] | 14.00 [.551] | 19.65 [.774] | 14.00 [.551] | 18.00 [.709] |
| -09            | 23.05 [.907] | 16.00 [.630] | 21.65 [.852] | 16.00 [.630] | 20.00 [.787] |
| -10            | 25.05 [.986] | 18.00 [.709] | 23.65 [.931] | 18.00 [.709] | 22.00 [.866] |

NOTES:

- NOTE DELETED.
- NOTE DELETED.
- NOTE DELETED.
- HOLES IN THE SURFACE MOUNT TAILS MAY OR MAY NOT BE PRESENT, AT SAMTEC DISCRETION.
- ORDERS WILL BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM.
- ATTACH LABEL -4X2 TO EACH REEL.
- PREVIOUS OPTIONS -VT, -SM, & -WT AVAILABLE FOR EXISTING CUSTOMERS ONLY.
- K DOT SUPPLIED AS STANDARD; -K AVAILABLE TO EXISTING CUSTOMERS ONLY WITH UMPS-XX-XX.X-X-VT-SM-XX-K PART NUMBERS.

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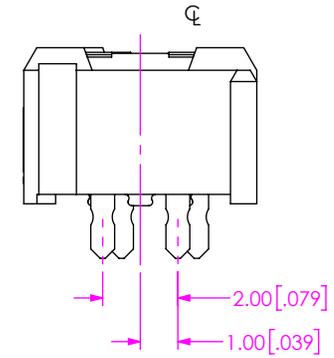
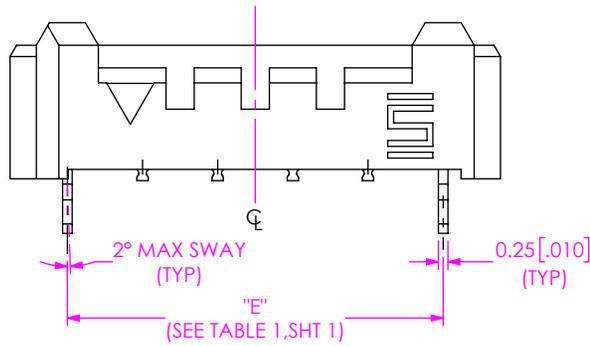
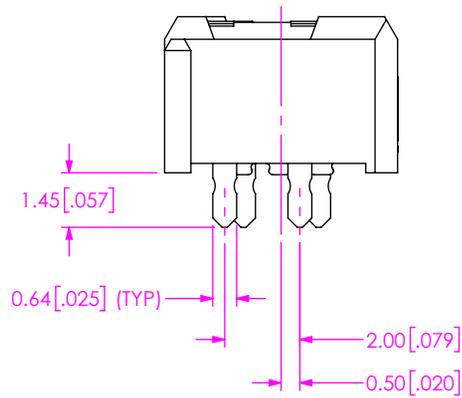
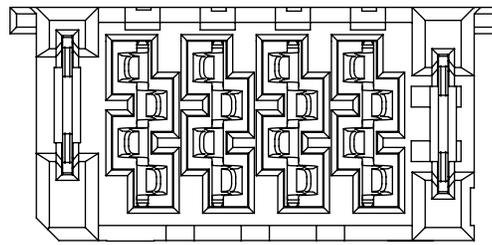


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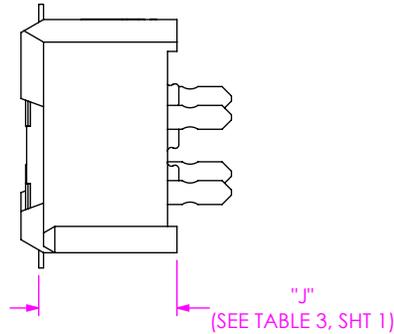
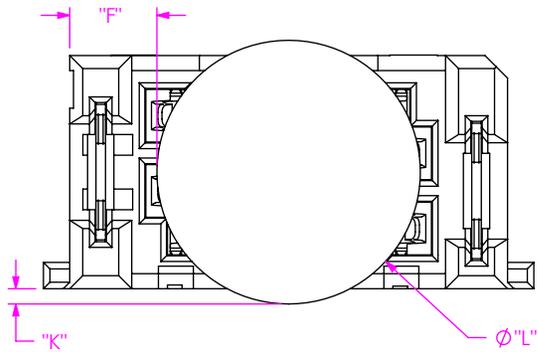
DO NOT SCALE DRAWING  
SHEET SCALE: 6:1  
MATERIAL:  
INSULATOR: LCP  
CONTACT: COPPER ALLOY  
WELD TAB: COPPER ALLOY

DESCRIPTION:  
ULTRA MICRO POWER SOCKET

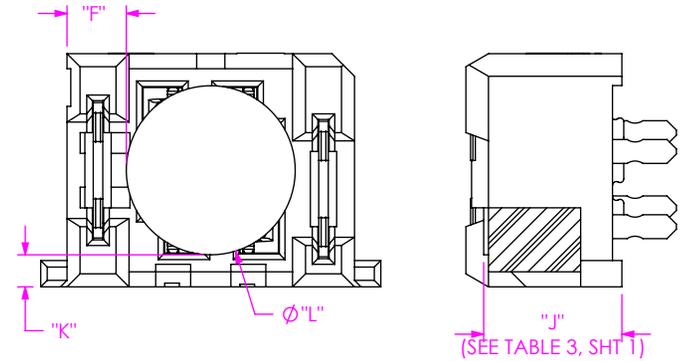
DWG. NO.  
UMPS-XX-XX.X-XX-V-X-X-XR



**FIG 2**  
UMPS-04-03.5-XX-V-S-W SHOWN  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)



**FIG 3**  
UMPS-04-03.5-XX-V-S-W SHOWN  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 2)



**FIG 4**  
UMPS-02-03.5-XX-V-S-W SHOWN  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 2)

**TABLE 4**

| No OF POSITION | "F"         | "K"         | "L"         |
|----------------|-------------|-------------|-------------|
| -02            | 1.58 [.062] | 0.85 [.034] | 4.50 [.177] |
| -03            | 1.57 [.062] | 0.15 [.006] | 6.50 [.256] |
| -04            | 2.32 [.091] | 0.41 [.016] | 7.01 [.276] |
| -05            | 3.32 [.131] | 0.41 [.016] | 7.01 [.276] |
| -06            | 4.32 [.170] | 0.41 [.016] | 7.01 [.276] |
| -07            | 5.32 [.209] | 0.41 [.016] | 7.01 [.276] |
| -08            | 6.32 [.249] | 0.41 [.016] | 7.01 [.276] |
| -09            | 7.32 [.288] | 0.41 [.016] | 7.01 [.276] |
| -10            | 8.32 [.328] | 0.41 [.016] | 7.01 [.276] |

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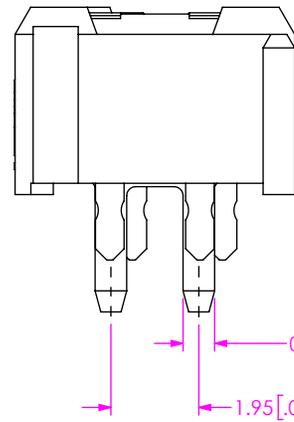
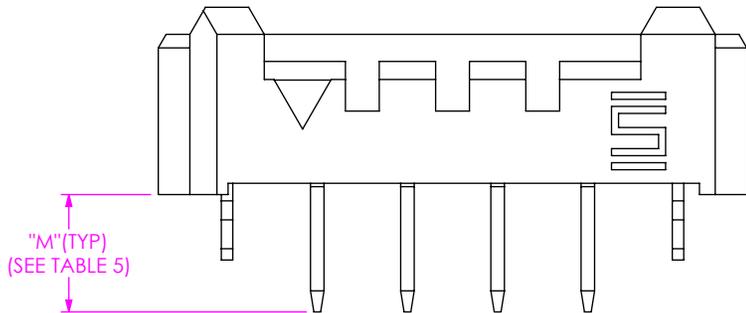
DO NOT SCALE DRAWING

SHEET SCALE: 2:1

DESCRIPTION:  
ULTRA MICRO POWER SOCKET

DWG. NO.  
UMPS-XX-XX.X-XX-V-X-X-XR

BY: JOE Z 03/22/2017 SHEET 2 OF 3



| TABLE 5 |             |
|---------|-------------|
| TAIL    | "M"         |
| -1      | 2.60 [.102] |
| -2      | 3.40 [.134] |

FIG 5  
UMPS-04-03.5-XX-V-1-W SHOWN  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 2)

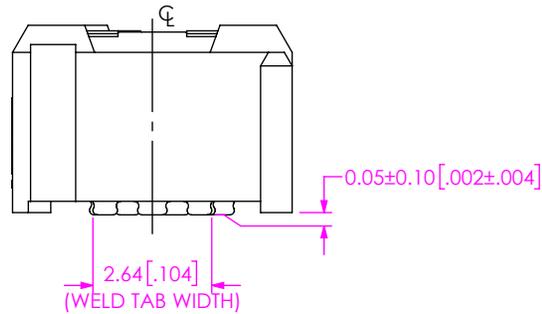
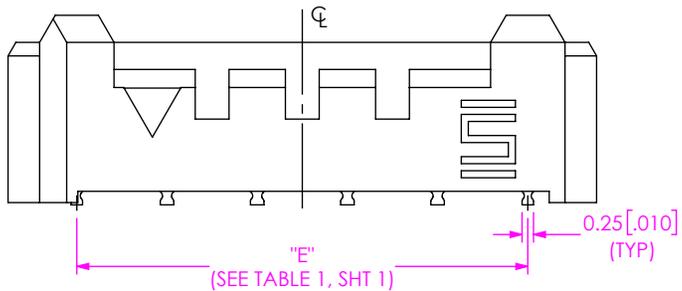
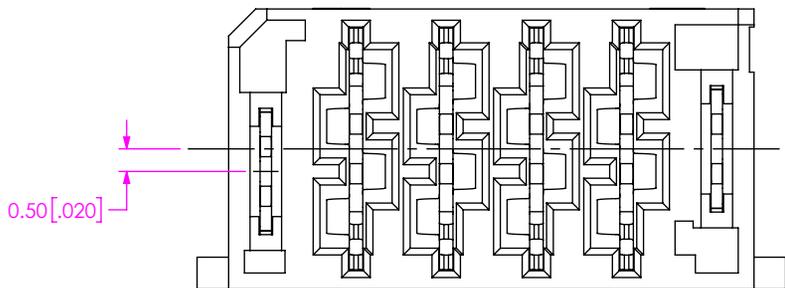


FIG 6  
UMPS-04-03.5-XX-V-S-S SHOWN  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)



|   |   |
|---|---|
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|   | <p>DESCRIPTION:<br/>ULTRA MICRO POWER SOCKET</p>  |
| <p>DWG. NO.<br/>UMPS-XX-XX.X-XX-V-X-X-XR</p>  | <p>BY: JOE Z      03/22/2017      SHEET 3 OF 3</p>  |