

Series 810 and 822 Thrifty Model Vertisockets™ with Bifurcated Contacts

FEATURES

- These low-cost Vertisockets[™] are recommended for high-volume vertical display mounting applications
- Very useful for connection of board-to-board jumpers and for DIP switches, as well as LED devices

SPECIFICATIONS

- Standard Body Material: black UL 94V-0 4/6 Nylon
- Bifurcated Contacts: Grade-A Spring-tempered Phosphor Bronze per QQ-B-750
- Standard Contact Plating: 50μ [1.27μm] min. matte Tin per ASTM B545-97 over 50μ Nickel per QQ-N-290: TL = 90/10 Tin/Lead per MIL-T-10727 Type 1 over 50μ Nickel per QQN-290
- Contact Current Rating: 1 amp
- Operating Temperature: 221°F [105°C]
- Insertion Force: 110 grams/pin average

All Tolerances ±0.005" [0.13]

Unless Otherwise Specified

- Withdrawal Force: 75 grams/pin average
- Accepts Flat Leads up to 0.014 [0.36] thick and 0.020 [0.51] wide; Round Leads up to 0.020 [0.51] diameter
- Accepts Lead Lengths of 0.075-0.160 [1.91-4.06]

MOUNTING CONSIDERATIONS

• Suggested PCB Hole Size : P/N 14-810-90R = $0.036 \pm 0.002 [0.91 \pm 0.05]$ diameter : P/N XX-822-90E = $0.044 \pm 0.002 [1.12 \pm 0.05]$ diameter

SERIES 810 - VERTICAL MOUNTING 1.050 [26.67] (040[102] .150 [3.81] GUIDE RAILS) PIN #1 **SEATING** .250 [6.35 PLANE .020 x .025 RAILS .075 [.51x.64] [1.91] .150 ± .010 Ø.125 [3.16] [19.05] [3.81±.25] 90° ± 2° **ERIES** 100 ± .003 .006 ± .002 025 + 002 400 [2.54 ± .08 [.64±.05] [10.16] TOL. NON-CUM 100 ± .003 [2.54 ± .08] .300 ± .003 .360 TOL. NON-CUM. [7.62 ± .08] [9.14]

SERIES 822 - HORIZONTAL MOUNTING PIN #11.D. .300 [7.62] SEATING ±.003 .260 [6.60] [±.08] PLANE ple ple/ple ple 300 ± .003 .150 ± .010 [9.91] [7.62 ± .08] 90° ± 2° [3.81 ± .25] CONTACT DETAIL .020 X .025 [.51 X .64] .025 ± .002 .280 .100 ± .010 .160 [7.11] [.64±.05] 025 + 002 [2.54 ± .25] .125 .065 [4.06] .100 ± .003 [.64±.05] [3.18] .006 ± .002 [1.65] [2.54 ± .08] .200 ± .003 [.15 ± .05] TOL. NON-CUM [5.08 ± .08]

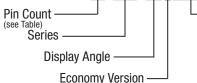
ORDERING INFORMATION

Pin Count

Series

Display Angle

ORDERING INFORMATION XX-822-90EXXXX



-Optional Suffix WR = Without Rails TL = Tin/Lead WRTL = Without Rails Tin/Lead

OTHER SIZES AVAILABLE - CONSULT FACTORY

No. of Pins	Dim. "A"	Dim. "B"
8	8 .450 [11.43]	0.300 [7.62]
14	14 .750 [19.05]	0.600 [15.24]
16	16 .850 [21.59]	0.700 [17.78]]
18	18 .950 [24.13]	0.800 [20.32]
20	20 1.050 [26.67]	0.900 [22.86]



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