

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
- Withdrawal Force = 75 grams/pin average

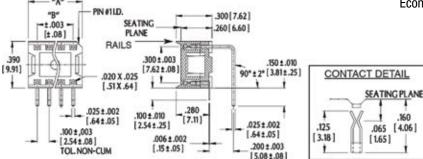
All Tolerances ±0.005" [0.13]

- Accepts Flat Leads up to 0.014" [0.36] thick and 0.020" [0.51] wide; Round Leads up to 0.020" [0.51] dia.
- Accepts Lead Lengths of 0.075-0.160" [1.91-4.06]

MOUNTING CONSIDERATIONS

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

Unless Otherwise Specified SERIES 810 - VERTICAL MOUNTING 1.050 [26.67] (.040 [1.02] .150 [3.81] **GUIDE RAILS**) SEATING PLANE .020 x .025 RAILS [.51x.64] .075 [1.91] .150 ± .010 0.125[3.16] 19.05] [3.81±.25] PRIES ППП 100 ± .003 .006 ± .002 025±.002 [2.54±.08] [.15±.05] [.64±.05] [10,16] 100 ± .003 [2.54 ± .08] 300 ± .003 TOL NON-CUM. [7.62±.08] SERIES 822 - HORIZONTAL MOUNTING



ORDERING INFORMATION

Pin Count

Series

Display Angle

Display Angle

14-810-90RXXXX

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

ORDERING INFORMATION XX-822-90EXXXX

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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