



16-304235-10 Replaces MAX691 with MAX807

FEATURES:

- Correct-A-Chip™ technology solves problems associated with the use of alternate ICs (due to availability, obsolescence, need for better performance, etc.) by eliminating the need for new PCB's.

SPECIFICATIONS:

- Female socket material is black UL 94V-0 Glass-filled 4/6 Nylon 170°C continuous use temp.
- PCB is FR-4, .062 [1.56] or .094 [2.39] thick.
- Male pin is Brass Alloy 360 1/2 hard per UNS C36000 ASTM-B16-00.
- Male pin plating is 200µ [5.08µm] min. Tin per ASM B 545 Type 1 or Tin/Lead 93/7 per ASTM B 545 over 100µ [2.54µm] Nickel per SAE-AMS-QQ-N-290.
- Female pin body is Brass Alloy 360 1/2 hard per UNS C36000 ASTM-B16-00.
- Female pin body plating is 10µ {254µm} min. Gold per MIL-G-45204 over 100µ [2.54µm] min. Nickel per SAE-AMS-QQ-N-290.
- 4-fingered collet contact is Beryllium Copper Alloy per UNS C17200 ASTM-B194-01.
- Contact plating is 10µ {254µm} min. Gold per MIL-G-45204 over 50µ [1.27µm] min. Nickel per SAE-AMS-QQ-N-290.
- Minimum contact current rating=1 Amp @ 5 VDC.
- Operating temperature=221°F [105°C].
- Insertion Force=180 grams/pin; Withdrawal Force=90 grams/pin; Normal Force=140 grams/pin; based on a .018 [.46] diameter test lead.
- Socket accepts leads .015-.025 [.38-.64] in diameter, .100-.125 2.54-3.18] long.

MOUNTING CONSIDERATIONS:

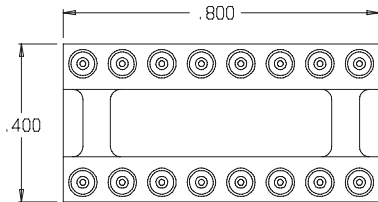
- Suggested PCB hole size=.028 ± .002 [.71 ± .05 dia.]



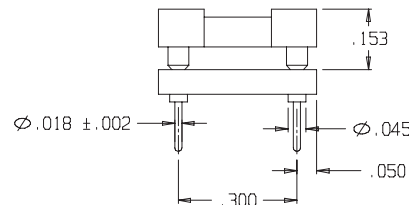
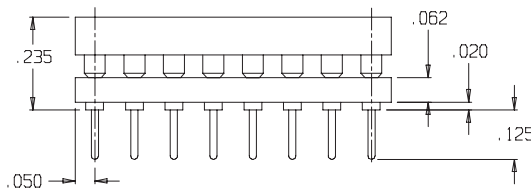
Note: Aries specializes in custom design and production. In addition to the standard products shown on this page, special materials, platings, sizes, and configurations can be furnished, depending on quantities. Aries reserves the right to change product specifications without notice.

ALL DIMENSIONS: INCHES [MILLIMETERS]

All tolerances ± .005 [.13] unless otherwise specified



MAX807 (SOCKET)	MAX691 (MALE CONTACTS)
1	9
3	3
4	11
5	4
6	14
9	15
10	14
11	12
12	13
14	1
16	2
All Others	N/C



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