



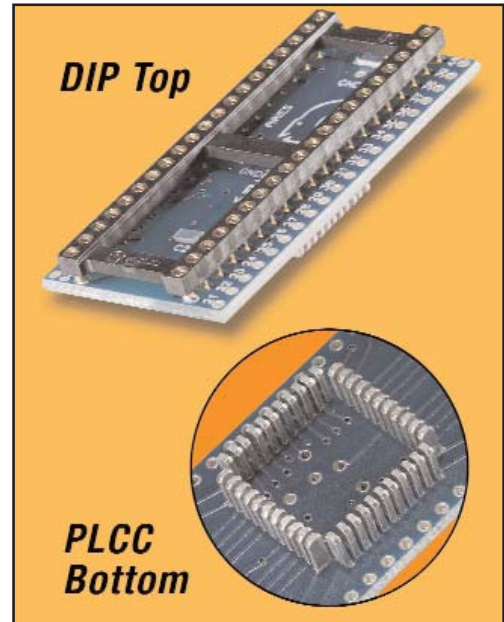
# Part No. 1111163 40 Pin DIP to Socketable PLCC Adapter

## FEATURES:

- Can be used with Intel 80/83C652 and 80C251 microprocessors and any IC that follows standard DIP to PLCC pinout conventions.
- Allows user to switch package styles and avoid shortage problems.
- Designed to plug directly into your 44 pin PLCC socket.
- On board bypass capacitors to reduce power/ground electrical noise.
- All dip pins are brought out to the side of the adapters plated through holes to facilitate trouble shooting or debugging.

## SPECIFICATIONS:

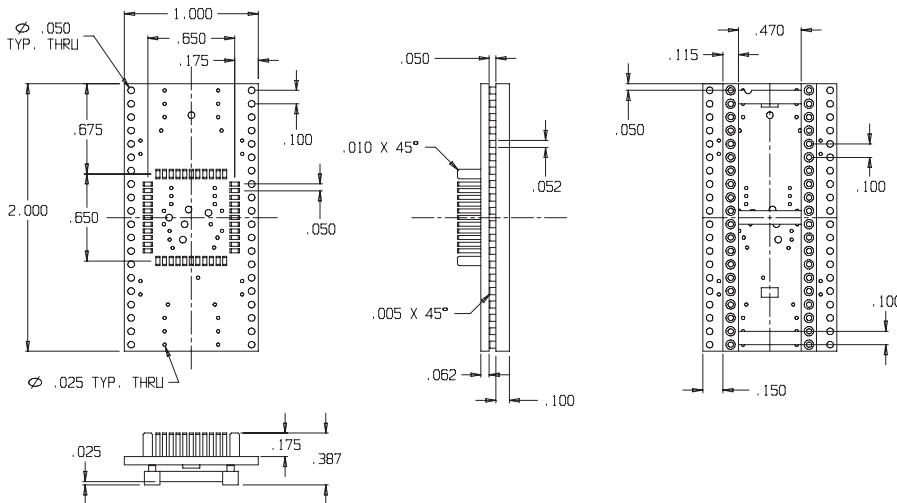
- PCB is natural UL 94V-0 FR-4, .062 [1.56] thk with one ounce copper traces.
- Male pins are Brass Alloy 360.
- Male pin plating is 200 $\mu$  [5.08 $\mu$ m] min. Matte Tin per ASTM B545-97 over 100 $\mu$  [2.54 $\mu$ m] Nickel per SAE-AMS-QQ-N-290
- Socket material is UL 94V-0 Glass-filled 4/6 Nylon
- Female pin is Brass Alloy 360 1/2 hard per UNS C36000 ASTM-B16-01.
- Female pin plating is 10 $\mu$  [.254 $\mu$ m] min. Gold per MIL-G-45204 over 100 $\mu$  [2.54 $\mu$ m] min. Nickel per SAE-AMS-QQ-N-290.
- 4-fingered collet contact is Beryllium Copper Alloy per UNS C17200 ASTM-B194-01.
- Collet contact plating is 10 $\mu$  [.254 $\mu$ m] min. Gold per MIL-G-45204 over 50 $\mu$  [127 $\mu$ m] min. Nickel per SAE-AMS-QQ-N-290.
- 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.



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  $\pm$  .005 [.13] unless otherwise specified



Pin List			
PLCC Pin No.	DIP Pin No.	PLCC Pin No.	DIP Pin No.
1	20	23	---
2	1	24	21
3	2	25	22
4	3	26	23
5	4	27	24
6	5	28	25
7	6	29	26
8	7	30	27
9	8	31	28
10	9	32	29
11	10	33	30
12	---	34	---
13	11	35	31
14	12	36	32
15	13	37	33
16	14	38	34
17	15	39	35
18	16	40	36
19	17	41	37
20	18	42	38
21	19	43	39
22	20	44	40

Consult Data Sheet No. 18027 for PLCC to DIP adapter for Intel processors described above.



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18026  
 REV. G