

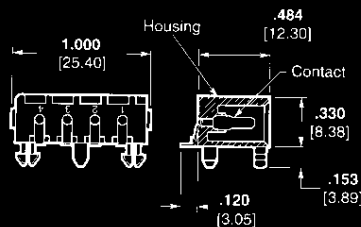
## 4 Position – Commercial MATE-N-LOK Connectors (Continued)

### PC Board Surface Mount Pin Header

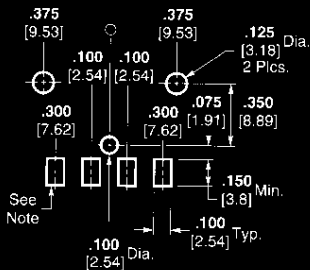
#### Material and Finish

**Housing** — UL94V-2 Nylon, black color

**Contact** — Phosphor bronze, pre-tin  
Solder tail width .052 [1.32]



Part Number  
770829-1



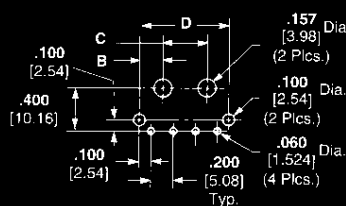
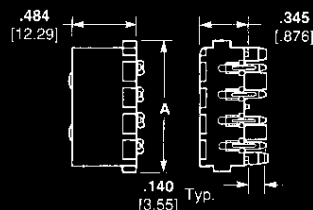
Note: .010 [.25] min. thick solder paste, 63/27  
Recommended PC Board Layout  
.062 [1.57] thick PC Board

### PC Board Right-Angle Pin Headers

#### Material and Finish

**Housing** — Nylon

**Contact** — Phosphor bronze, pre-tin  
Solder tail width .052 [1.32]



Recommended PC Board Hole Layout  
.062 [1.57] thick PC Board

Number of Circuits	Dimensions				Flammability Rating	Part Numbers	Mates with Socket Housing Part Number
	A	B	C	D			
4	1.000	.200	.400	.800	UL94V-2	641737-1 770846-1 <sup>1</sup>	1-480424-0 <sup>2</sup>
	25.40	5.08	10.16	20.32	UL94V-0	1-641737-1	770827-1 <sup>2</sup>

<sup>1</sup>Surface Mount Compatible

<sup>2</sup>Other mating connectors include a vertical PC Board socket header and the insulation displacement connectors (IDC).

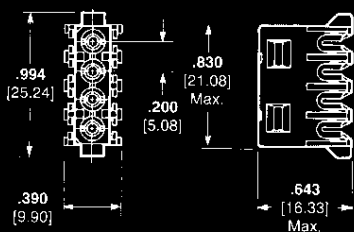
### Insulation Displacement Connectors (IDC)

#### Socket Assembly (Plug)

#### Material

**Housing** — Nylon

**Contact** — Phosphor bronze



Wire Size Range AWG [mm <sup>2</sup> ]	Color Code	Finish	Flammability Rating	Part Numbers
22 [.3]	Red	Pre-Tin	UL94V-2	770156-2
			UL94V-0	794036-3
20 [.5]	Yellow	Pre-Tin	UL94V-2	770156-4
			UL94V-0	794036-2
18 [.8]	Orange	Pre-Tin	UL94V-2	770156-3
			UL94V-0	794036-1
16 [.3]	Blue	Pre-Tin	Duplex <sup>1</sup>	770526-1
			UL94V-2	770156-5
			UL94V-0	794036-4

<sup>1</sup>Duplex Finish — Plated with .000030 [.000762] min. gold in mating area over .000050 [.00127] min. nickel underplate on entire contact.

#### Notes:

1. Insulation diameter .095 [2.41] max.

2. Application Tooling

Power Unit No. 91112-2 (IS 408-7763) uses Head No. 231920-2 (IS 408-9330) and Hand Tool Handle No. 58074-1 (IS 408-6790) uses Head No. 231894-1 (IS 408-3186)

### Dust Covers

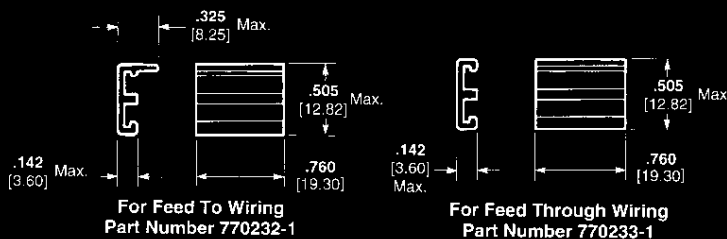
#### Material

UL94V-0 Polyester, white color

#### Related Product Data

#### Mating Connectors — Socket

Housings, Socket Header and Insulation Displacement Connectors Mate with the Pin Housing and Pin Headers



Note: These parts are used with the insulation displacement connectors above