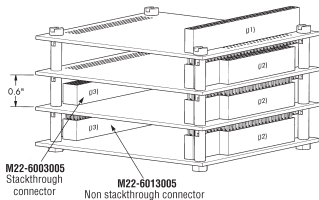


2.00mm Pitch PC/104+ Connectors

Bus Connectors

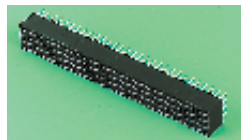


- PC/104 Plus is an industry standard for PC applications
- Embedded systems designers can reduce costs risks and lead times
- Dedicated and embedded PC architecture is an accepted platform for:
 - Vending Machines
 - Medical equipment
 - Laboratory instruments
 - Test equipment
 - Communication devices

PC/104 and the PC/104 logo are trademarks of the PC/104 consortium.

CP387

Bus Connectors



- 120 way 4 rows of 30 contacts
- Combined with PC/104 supports PCI Bus

Current rating	1A	Housings	High temperature nylon UL94V-0
Voltage proof	500V ac	Contacts	Phosphor bronze
Contact resistance	20mΩ max.	Finish	Gold flash over nickel
Insulation resistance	5000MΩ min.	Average insertion force	103.2g (1N) per contact
Temperature range	-40°C to 105°C	Average withdrawal force	81.9g (0.8N) per contact

PC/104 and the PC/104 logo are trademarks of the PC/104 consortium.

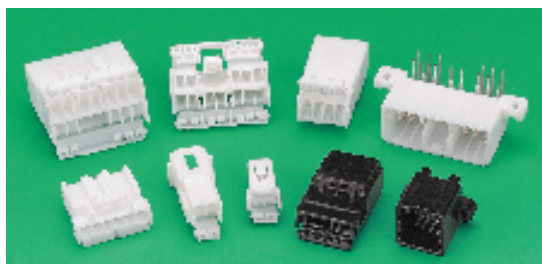
FOR PC/104 SEE **PAGE 365**

CP389

	Mfrs. List No.	Order Code	Price Each		
			1+	10+	100+
120 Way					
Stackthrough	M22-6003005	360-004			
Non-stackthrough	M22-6013005	360-030			
Pin header	M22-6023022	360-119			
Pin header receptacle	M22-6033022	360-120			
Shroud	M22-6043098	360-132			

2.5mm Pitch Connectors

040/070 Series Multilock 2.5mm



Amp 040/070 Series MULTILOCK are a miniature high density connector similar in design to Dual-line interlock connectors which are in wide use as an I/O connector for automotive applications, but smaller in size by as much as 35% (volume ratio) compared to them.

With contacts on 2.5mm centres, these connectors comprise both wire-to-wire and wire-to-board connectors. The plug and cap housings for wire termination are of housing lance design.

The receptacle and tab contacts used in these housing have no lance and consequently there is no possibility of contacts tangling with another, or of contact lenses being deformed as often encountered in other types of connector contacts.

Both plug and cap housings have an integral double lock mechanism for positive contact loading.

- Small yet durable wire-to-wire and wire-to-board connectors
- Smaller by 35% in volume ratio than conventional connectors of similar design
- High-density wiring connectors with contacts on 2.5mm centres
- Housing lance design: contacts have no lance and do not tangle
- Easy to handle
- Consist of plug and cap housings for wire termination, contacts and cap housing assemblies for horizontal and vertical mounting
- Receptacle contact for wire termination has a spring encased in a box-shaped receptacle for protection against damage from outside
- Both plug and cap housings for wire termination have an integral double-lock mechanism to ensure positive contact retention
- Cap housing assembly for board mount is available in two styles horizontal and vertical. Both preloaded with tab contacts with solder posts
- Body mounting clip
- 040 Series for signal and 070 for power circuits

Current rating	8A	Contact retention	10N min
Insulation resistance	100m ohms	Operating temperature	-30°C to 105°C
Withstanding Voltage	1,000 V ac/one minute		

CP411/CP411a

Order Multiple=2	Mfrs. List No.	Order Code	Price Each		
No. of Ways			2+	500+	2000+
040 Series Plug Housing					
2	174056-2	319-1709			
4	174966-2	319-1710			
6	175507-2	319-1722			
8	174044-2	319-1734			
12	174045-2	319-1746			
16	174046-2	319-1758			
20	174047-2	319-1760			
Cap Housing					
2	174057-2	319-1771			
4	174967-2	319-1783			
6	345178-2	319-1795			
12	174058-2	319-1801			
20	175652-2	319-1813			
Order Multiple=50					
Contact					
0.2-0.5mm ² (24-20 AWG)	175062-1	319-1825			
Receptacle (Plug housing)	175063-1	319-1837			
Tab (cap housing)					
Order Multiple=1					
Vertical Mtg PCB Cap Hsg					
8	174971-2	319-1849	1+	500+	2000+
12	174973-2	319-1850			
16	174975-2	319-1862			
20	174977-2	319-1874			
28	174979-2	319-1886			
R/Angled Mtg PCB Cap Hsg					
8	174049-2	319-1898			
12	174051-2	319-1904			
16	174053-2	319-1916			
20	174055-2	319-1928			
36	174146-2	319-1930			
Order Multiple=2					
070 Series Plug Hsg Single Row					
2	174463-1	319-1941			
3	174921-1	319-1953			
4	174922-1	319-1965			
6	174923-1	319-1977			
10	174464-1	319-1989			
Plug Hsg Double Row					
6	175658-1	319-1990			
8	173850-1	319-2003			
10	174465-1	319-2015			
12	173851-1	319-2027			
14	173852-1	319-2039			
18	172853-1	319-2040			
20	174952-1	319-2052			
Cap Hsg Single Row					
2	174460-1	319-2064			
3	174928-1	319-2076			
4	174929-1	319-2088			
6	174930-1	319-2090			
Cap Hsg Double Row					
6	175657-1	319-2106			
8	175931-1	319-2118			
12	174933-1	319-2120			
14	174934-1	319-2131			
18	174935-1	319-2143			
20	174936-1	319-2155			
Order Multiple=1					
R/A PCB Cap Hsg Single Row					
3	175781-1	319-2167	1+	50+	2000+
6	175783-2	319-2179			
10	174467-1	319-2180			
R/A PCB Cap Hsg Double Row					
8	173856-1	319-2192			
12	173858-1	319-2209			
14	173860-1	319-2210			
18	173862-1	319-2222			
20	173785-1	319-2234			
24	173864-1	319-2246			
30	175866-1	319-2258			
Order Multiple=50					
Contact					
Receptacle 24-22AWG	175026-1	319-2260			
Receptacle 20-16AWG	175027-1	319-2271			
Tab 24-22AWG	175029-1	319-2283			
Tab 20-16 AWG	175030-1	319-2295			
Hand Tool					
24/22AWG	917799-2	319-2301			1+
20/16AWG	911788-2	319-2313			