

2.0mm Backpanel Systems

Millipacs 1 2.0mm System

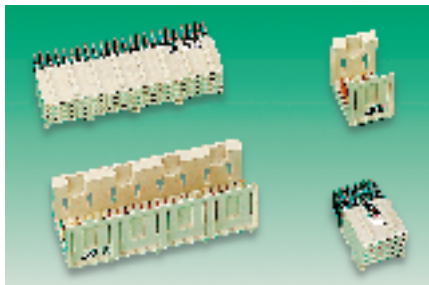
- Board to board modular connector on a 2 mm grid
- Developed for design requirements where high speed and pin density are required
- Conforms to requirements of IEC917 and meets IEEE Futurebus standard

Current rating	1.5A (signal) 3A (power)
Insulation resistance	5000MΩ initial - 1000MΩ after test
Dielectric strength	1000Vrms
Temperature range	-55°C to +125°C
Housing	High temperature GF thermoplastic UL94V-0
Contacts	Phosphor bronze
Plating	Class 1 gold over nickel



CS438

PCB Plugs and Sockets



PCB hole sizes:
Male = 0.7mm ±0.1
Female = 0.6mm ±0.1

- Sockets have push fit retention pegs

CS439

No. of Ways	Mftrs. List No.	Order Code	1+	50+	100+	250+
Straight PCB Pins						
24 (4 6)	HM1W41ATR000H6	865-047				
48 (4 12)	HM1W42ATR000H6	865-059				
96 (4 24)	HM1W43ATR000H6	865-060				
192 (4 48)	HM1W44ATR000H6	865-072				
90° PCB Sockets						
24 (4 6)	HM1F41FAP000H6	865-084				
48 (4 12)	HM1F42FAP000H6	865-096				
96 (4 24)	HM1F43FAP000H6	865-102				
192 (4 48)	HM1F44FAP000H6	865-114				

Power/Signal



- Power modules have a current rating of 3A
- The two modules have 4 rows of 2 pins
- Female has push fit retention peg

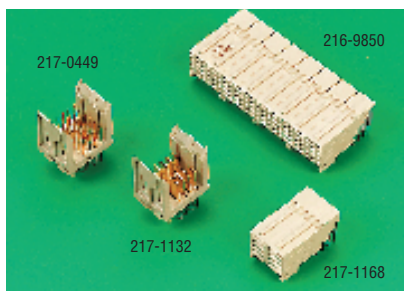
PCB hole sizes:
Male = 0.7mm ±0.1
Female = 0.6mm ±0.1 - with push fit retention peg



CS440

No. of Ways	Mftrs. List No.	Order Code	1+	50+	100+	250+
Straight PCB Pins						
8 (4 2)	HM1V41DTR000H6	865-126				
90° PCB Sockets						
8 (4 2)	HM1G41FAP000H6	865-138				

Z-Pack 2mm FB (Futurebus+) Connectors



- High density, high speed signal and power connectors
- Modular design, end to end stackable
- Complies with **Futurebus+**, **EIASP3179** and **IEC1076-4-OX(48B)**
- Approvals **UL** and **CSA**

Current rating	1A (Signal) 3A (Power)	Housing	Liquid crystal Polymer
		Contacts Sockets	Copper alloy, gold plating
		Pins	Phosphor bronze, gold flashed

CS474

No. of Ways	Tail Length (mm)	Mftrs. List No.	Order Code	1+	50+	100+	500+	1000+
Straight PCB Pins - Signal								
24		536501-1	217-0449					
48		536501-2	217-0450					
96		536501-3	217-0462					
192		536501-4	217-0474					
90° PCB Sockets - Signal								
24	2.73	536507-1	216-9836					
48	2.73	536507-2	216-9848					
96	2.73	536507-3	216-9850					
192	2.73	536507-4	216-9861					
24	3.53	536510-1	216-9873					
48	3.53	536510-2	216-9885					
96	3.53	536510-3	217-0905					
192	3.53	536510-4	217-0917					
Power Modules								
Straight PCB Pins								
8 (Solder)	6.5	536600-1	217-1132					
8 (Press fit)	6.5	536603-1	217-1144					
8 (Press fit)	6.5	636606-1	217-1156					
90° PCB Sockets								
8 (Solder)	2.73	536607-1	217-1168					
8 (Solder)	3.53	536613-1	217-1170					

Z-Pack 2.0mm Hard Metric



- Meets needs of telecommunications, computer and instrumentation applications
- Comply with **IEC917** and **IEC 1076-4-101**
- 5 row versions.
Type A have 110 signal pins, center guiding and keying facility
Type B have 125 signal pins Type C have 55 signal pins and guiding features

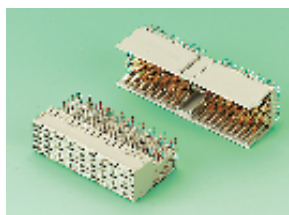
- High density system
- All lines impedance matched to 50Ω single ended and 100Ω differential pair
- Press fit

Signal pin rating, all contacts loaded	1.5A@70°C	Housing	Grey glass filled polyester UL94V-0
Nominal resistance	≤13.5mΩ	Contacts	Phosphor bronze plated gold over nickel

CS513

No. of Ways	Type	Mftrs. List No.	Order Code	1+	100+	250+	500+	1000+
Male Straight								
110	A	100143-1	487-790					
125	B	100141-1	487-806					
55	C	100159-1	487-818					
Female 90°								
110	A	100147-1	487-831					
125	B	100145-1	487-843					
55	C	100161-1	487-855					
Male Coding Keys								
Pastel Orange		6-100525-3	487-867					
Blue lilac		2-100525-0	487-879					
Brilliant Blue		3-100525-2	487-880					
Cadmium Yellow		5-100525-6	487-892					
Female Coding Keys								
Pastel Orange		6-100525-3	487-909					
Blue Lilac		2-100526-0	487-910					
Brilliant Blue		3-100526-2	487-922					
Cadmium Yellow		5-100526-6	487-934					

Compact PCI Backplane



- Meets needs of telecommunications, computer and instrumentation applications
- Comply with **IEC917** and **IEC1076-4-101**
- Press fit
- C-PCI can use 32 bit or 64 bits on 3U cards and 6U cards using standard and special length connectors

C-PCI Components for Backplane	Mftrs. List No.
22 column type A header hot swap	352332-1
22 column type B header	188835-1
19 column type B header	352033-1
22 column type A header	188834-1
System slot (S) and peripheral slot (O) adapters	
22 column type A shielded receptacle	352068-1
22 column type B shielded receptacle	352152-1
19 column type B shielded receptacle	352171-1