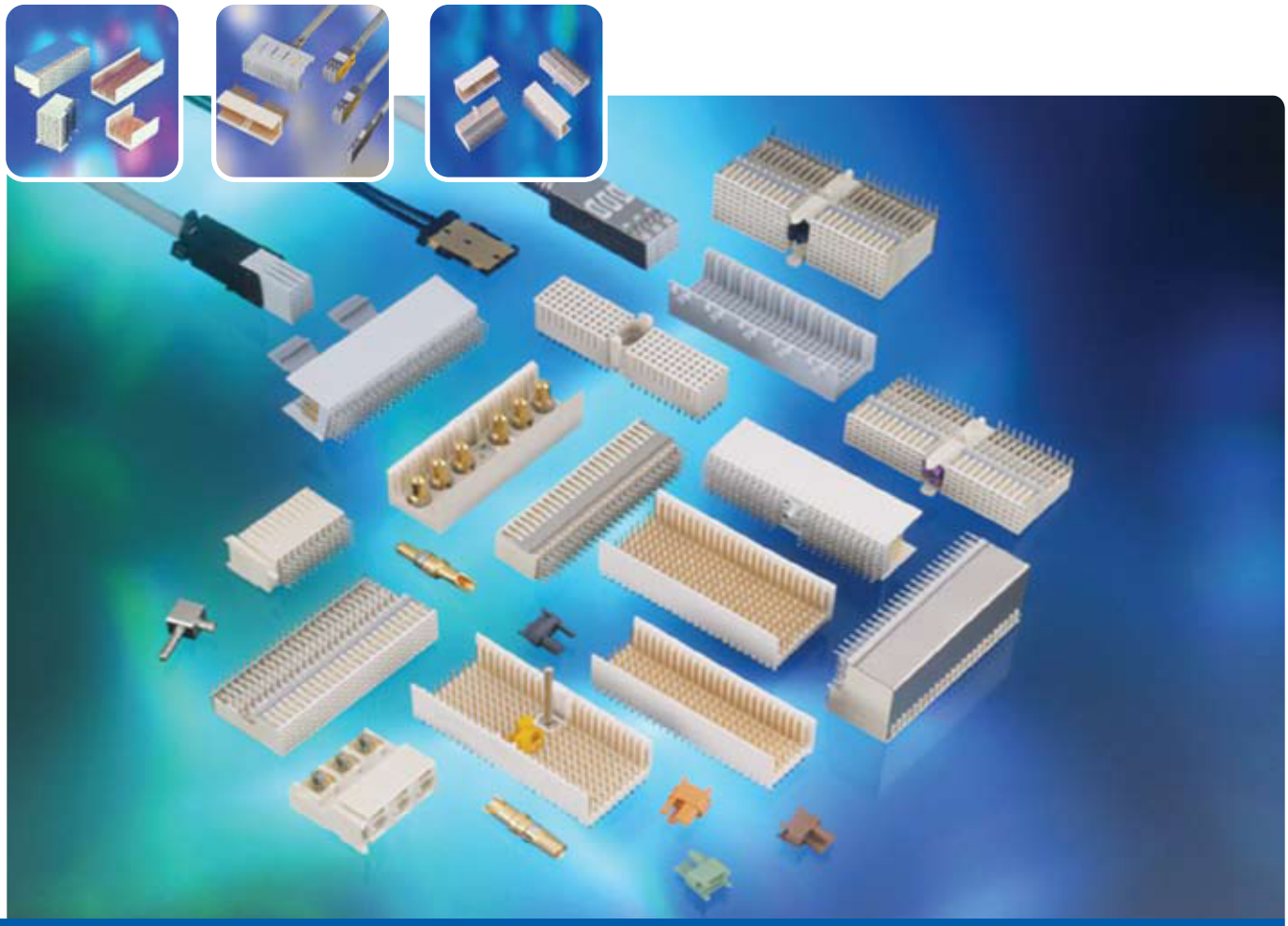
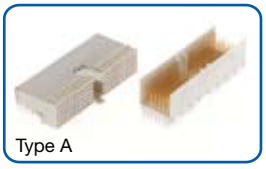
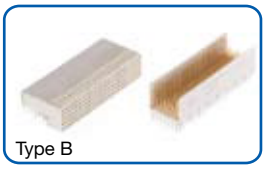


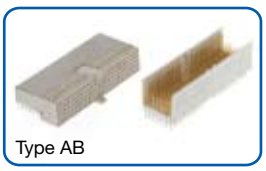
ELECTRONICS

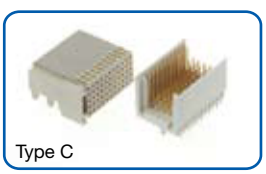
Millipacs® and *CompactPCI*
Core Product Selector

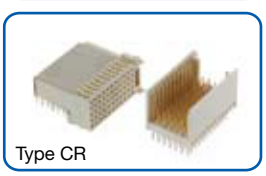
5 Row Signal - Standard


Type A


Type B


Type AB


Type C


Type CR

Millipacs® 5 row signal-standard			Header Straight		Shroud	Receptacle Right Angle	
			shielded	non-shielded		top shielded	non-shielded
Type A	module length 50 mm 110 pos service center	press-fit	HM2P07PD5111N9LF	HM2P07PD5110N9LF	HM2H07P1LF	HM2R01PA5108N9LF	HM2R01PA5100N9LF
		rear-plug-up	HM2P07PK5111GFLF	HM2P07PK5110GFLF			
Type B	module length 50 mm 125 pos no service center	press-fit	HM2P08PD5111N9LF	HM2P08PD5110N9LF	HM2H08P1LF	HM2R02PA5108N9LF	HM2R02PA5100N9LF
		rear-plug-up	HM2P08PK5111GFLF	HM2P08PK5110GFLF			
Type AB	module length 50 mm 110 pos guiding pegs	press-fit	HM2P65PD5111N9LF	HM2P65PD5110N9LF	HM2H65P1LF	HM2R65PA5108N9LF	HM2R65PA5100N9LF
		rear-plug-up	HM2P65PK5111GFLF	HM2P65PK5110GFLF			
Type C	module length 25 mm 55 pos service center-left	press-fit	HM2P09PD5111N9LF	HM2P09PD5110N9LF	HM2H09P1LF	HM2R03PA5108N9LF	HM2R03PA5100N9LF
		rear-plug-up	HM2P09PK5111GFLF	HM2P09PK5110GFLF			
Type CR	module length 25 mm 55 pos service center-right	press-fit	HM2P80PD5111N9LF	HM2P80PD5110N9LF	HM2H80P1LF	HM2R20PA5108N9LF	HM2R20PA5100N9LF
		rear-plug-up	HM2P80PK5111GFLF	HM2P80PK5110GFLF			

TECHNICAL DATA

PHYSICAL

Header	Housing Thermoplastic (UL94 V-0)
Receptacle	Housing high temp. Thermoplastic (UL94 V-0)
Pin/contact	Phosher Bronze
Performance	Telecordia CO and IEC Performance Level 2
Temperature	-55 C to +125 C

MECHANICAL

Insertion force	0.75 N min. per contact pair
Withdrawal force	0.15 N min. per contact pair
Mating force	0.75 N min. per contact pair
Mating cycles	250

ELECTRICAL

Current rating	1.5 A / 1 A
Resistance	(contact) 20 milli ohms max.
Resistance	(Insulation) 10,000 M ohm min.
Voltage	750 V rms

MOUNTING STYLE

Press-fit

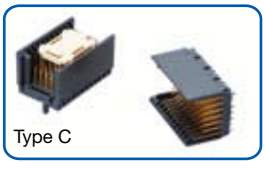
PACKAGING

Trays

REFERENCE DATA

Product specification	GS-12-203
Application specification	GS-20-022

5 Row - Pin-in-Paste


Type C

Millipacs® 5 row Pin-in Paste		Header Straight non-shielded
Type C	module length 25 mm 55 positions guiding pegs	HM2P09SZ5111N9LF

TECHNICAL DATA

PHYSICAL

Header	Housing high temp. Thermoplastic (UL94 V-0)
Pin/contact	Phosher Bronze
Performance	Telecordia CO and IEC Performance Level 2
Temperature	-55 C to +125 C

MECHANICAL

Insertion force	0.75 N min. per contact pair
Withdrawal force	0.15 N min. per contact pair
Mating force	0.75 N min. per contact pair
Mating cycles	250

ELECTRICAL

Current rating	1.5 A / 1 A
Resistance	(contact) 20 milli ohms max.
Resistance	(Insulation) 10,000 M ohm min.
Voltage	750 V rms

MOUNTING STYLE

Pin-in-Paste, Short tail 1mm, PIP version

PACKAGING

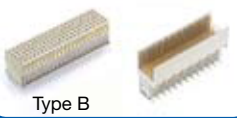
Tape&reel

REFERENCE DATA

Product specification	GS-12-203
Application specification	GS-20-022

5 Row Signal - Reversed

Type A


Type B

Type C

Millipacs® 5 row signal-reversed		Header Right Angle		Receptacle Straight	
		top shielded	non-shielded	shielded	non-shielded
Type A	module length 50 mm 110 pos service center	HM2J07PE5118N9LF	HM2J07PE5110N9LF	HM2S10PE5101N9LF	HM2S10PE5100N9LF
Type B	module length 50 mm 125 pos no service center	HM2J08PE5118N9LF	HM2J08PE5110N9LF	HM2S02PE5101N9LF	HM2S02PE5100N9LF
Type C	module length 25 mm 55 pos service center-left	HM2J09PE5118N9LF	HM2J09PE5110N9LF	HM2S30PE5101N9LF	HM2S30PE5100N9LF

TECHNICAL DATA

PHYSICAL

Header	Housing high temp. Thermoplastic (UL94 V-0)
Receptacle	Housing high temp. Thermoplastic (UL94 V-0)
Pin/contact	Phosher Bronze
Performance	Telecordia CO and IEC Performance Level 2
Temperature	-55 C to +125 C

MECHANICAL

Insertion force	0.75 N min. per contact pair
Withdrawal force	0.15 N min. per contact pair
Mating force	0.75 N min. per contact pair
Mating cycles	250

ELECTRICAL

Current rating	1.5 A / 1 A
Resistance	(contact) 20 milli ohms max.
Resistance	(Insulation) 10,000 M ohm min.
Voltage	750 V rms

MOUNTING STYLE

Press-fit

PACKAGING

Trays

REFERENCE DATA

Product specification	GS-12-203
Application specification	GS-20-022

8 Row Signal - Standard

Type D

Type DE

Type E

Type F

Millipacs® 8 row signal-standard			Header Straight		Shroud	Receptacle Right Angle	
			shielded	non-shielded		top shielded	non-shielded
Type D	module length 50 mm 176 pos service center	press-fit	HM2P87PD8111N9LF	HM2P87PD8110N9LF	HM2H87P1LF	HM2R87PA8108N9LF	HM2R87PA8100N9LF
		rear-plug-up	HM2P87PK8111GFLF	HM2P87PK8110GFLF			
Type DE	module length 50 mm 200 pos guiding pegs	press-fit	HM2P95PD8111N9LF	HM2P95PD8110N9LF	HM2H95P1LF	HM2R95PA8108N9LF	HM2R95PA8100N9LF
		rear-plug-up	HM2P95PK8111GFLF	HM2P95PK8110GFLF			
TypeE	module length 50 mm 200 pos no serice center	press-fit	HM2P88PD8111N9LF	HM2P88PD8110N9LF	HM2H88P1LF	HM2R88PA8101N9LF	HM2R88PA8100N9LF
		rear-plug-up	HM2P88PK8111GFLF	HM2P88PK8110GFLF			
Type F	module length 25 mm 88 pos service center-left	press-fit	HM2P89PD8111N9LF	HM2P89PD8110N9LF	HM2H89P1LF	HM2R89PA8108N9LF	HM2R89PA8100N9LF
		rear-plug-up	HM2P89PK8111GFLF	HM2P89PK8110GFLF			

TECHNICAL DATA

PHYSICAL

Header	Housing Thermoplastic (UL94 V-0)
Receptacle	Housing high temp. Thermoplastic (UL94 V-0)
Pin/contact	Phosher Bronze
Performance	Telecordia CO and IEC Performance Level 2
Temperature	-55 C to +125 C

MECHANICAL

Insertion force	0.75 N min. per contact pair
Withdrawal force	0.15 N min. per contact pair
Mating force	0.75 N min. per contact pair
Mating cycles	250

ELECTRICAL

Current rating	1.5 A / 1 A
Resistance	(contact) 20 milli ohms max.
Resistance	(Insulation) 10,000 M ohm min.
Voltage	750 V rms

MOUNTING STYLE

Press-fit

PACKAGING

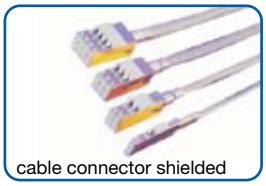
Trays

REFERENCE DATA

Product specification	GS-12-203
Application specification	GS-20-022

Cable Connectors

cable connector non-shielded


cable connector shielded

shroud and locking key

LF - Low Frequency			AWG 26	AWG 28 - 30
Cable Connector	non-shielded	2 x 5 positions	HM2C06D2C010N9LF	HM2C06D0C010N9LF
		4 x 5 positions	HM2C01D2C010N9LF	HM2C01D0C010N9LF
	shielded	2 x 5 positions	HM2C09D2C011N9LF	HM2C09D0C011N9LF
		6 x 5 positions	HM2C11D2C011N9LF	HM2C11D0C011N9LF
		8 x 5 positions	HM2C12D2C011N9LF	HM2C12D0C011N9LF

Rear-plug-up accessories		
Cable-to-board Shroud	5 x 5 positions	HM2H04P1LF
	5 x 25 positions	HM2H05P1LF
Locking Key		HM2LK1LF

TECHNICAL DATA

PHYSICAL

Receptacle	Housing high temp. Thermoplastic (UL94 V-0)
Pin/contact	Phosher Bronze
Performance	Telecordia CO and IEC Performance Level 2
Temperature	-55 C to +125 C

MECHANICAL

Withdrawal force	0.15 N min. per contact pair
Mating force	0.75 N min. per contact pair
Mating cycles	250

ELECTRICAL

Current rating	1.5 A / 1 A
Resistance	(contact) 20 milli ohms max.
Resistance	(Insulation) 10,000 M ohm min.
Voltage	750 V rms

MOUNTING STYLE

IDC for AWG 24-26

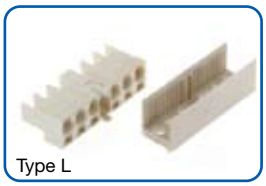
PACKAGING

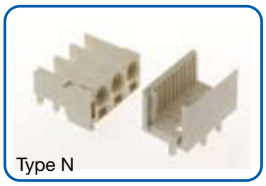
Trays

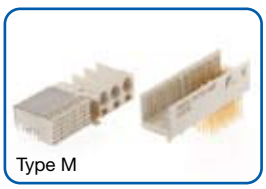
REFERENCE DATA

Product specification GS-12-203

Signal & Power


Type L


Type N


Type M

Signal & Power		Header Straight	Receptacle Right Angle
Type L	module length 50 mm 6 power positions service center	HM2A30PG5000LF	HM2E30PH5000LF
Type N	module length 25 mm 3 power positions service center	HM2A32PG5000LF	HM2E32PH5000LF
Type M	module length 50 mm 3 power + 55 signal positions service center + location pegs	HM2P11PD5111N9LF	HM2R05PA5108N9LF

TECHNICAL DATA

PHYSICAL

Header	housing high temp. Thermoplastic (UL94 V-0)
Receptacle	housing high temp. Thermoplastic (UL94 V-0)
Pin/contact	Phosher Bronze
Performance	Telecordia CO and IEC Performance Level 2
Temperature	-55 C to +125 C

MECHANICAL

Insertion force	0.75 N min. per contact pair
Withdrawal force	0.15 N min. per contact pair
Mating force	0.75 N min. per contact pair
Mating cycles	250

ELECTRICAL

Current rating	1.5 A / 1 A
Resistance	(contact) 20 milli ohms max.
Resistance	(Insulation) 10,000 M ohm min.
Voltage	750 V rms

MOUNTING STYLE

Signal contacts press-fit,
Power contacts press-fit DIN41626

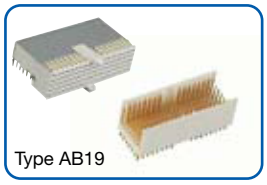
PACKAGING

Trays

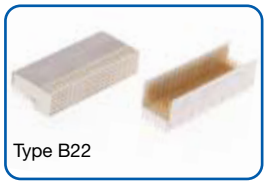
REFERENCE DATA

Product specification GS-12-203

5 Row - CompactPCI


Type AB19

Type AB22


Type B22

CompactPCI 5 row			Header Straight		Shroud	Receptacle Right Angle	
			shielded	non-shielded		top shielded	non-shielded
Type AB19	module length 38 mm 95 pos guiding pegs	press-fit	HM2P67PD5111N9LF	HM2P67PD5110N9LF	HM2H67P1LF	HM2R67PA5108N9LF	HM2R67PA5100N9LF
		rear-plug-up	HM2P67PK5111GFLF	HM2P67PK5110GFLF			
Type AB22	module length 44 mm 110 pos guiding pegs	press-fit	HM2P66PD5111N9LF	HM2P66PD5110N9LF	HM2H66P1LF	HM2R66PA5108N9LF	HM2R66PA5100N9LF
		rear-plug-up	HM2P66PK5111GFLF	HM2P66PK5110GFLF			
Type B22	module length 44 mm 110 pos no service center	press-fit	HM2P70PD5111N9LF	HM2P70PD5110N9LF	HM2H70P1LF	HM2R70PA5108N9LF	HM2R70PA5100N9LF
		rear-plug-up	HM2P70PK5111GFLF	HM2P70PK5110GFLF			

TECHNICAL DATA

PHYSICAL

Header	Housing Thermoplastic (UL94 V-0)
Receptacle	Housing high temp. Thermoplastic (UL94 V-0)
Pin/contact	Phosher Bronze
Performance	Telecordia CO and IEC Performance Level 2
Temperature	-55 C to +125 C

MECHANICAL

Insertion force	0.75 N min. per contact pair
Withdrawal force	0.15 N min. per contact pair
Mating force	0.75 N min. per contact pair
Mating cycles	250

ELECTRICAL

Current rating	1.5 A / 1 A
Resistance	(contact) 20 milli ohms max.
Resistance	(Insulation) 10,000 M ohm min.
Voltage	750 V rms

MOUNTING STYLE

Press-fit

PACKAGING

Trays

REFERENCE DATA

Product specification	GS-12-203
Application specification	GS-20-022

Accessories

Bottom Shield

Coding Devices

Power Contacts

Accessories	Connector Type		Part number
Bottom shield	Type A	Millipacs	HM2LS22ALF
	Type AB	Millipacs	HM2LS22ALF
	Type AB19	CompactPCI	HM2LS66ALF
	Type AB22	CompactPCI	HM2LS67ALF
	Type B22	CompactPCI	HM2LS70ALF
	Type C	Millipacs	HM2LS11ALF
	Type CR	Millipacs	HM2LS11ALF
	Type D	Millipacs	HM2LS22A8LF
	Type DE	Millipacs	HM2LS25A8LF
	Type E	Millipacs	HM2LS25A8LF
	Type F	Millipacs	HM2LS11A8LF
	Type M	Millipacs	HM2LS11ALF

Accessories	Colour	Plug	Receptacle
Coding Devices	cadmium-yellow	HM2DK3456PLF	HM2DK1278RLF
	brilliant-blue	HM2DK1567PLF	HM2DK2348RLF
	reseda-green	HM2DK2578PLF	HM2DK1346RLF
	strawberry-red	HM2DK1248PLF	HM2DK3567RLF

Accessories	Pin contact	Socket contact
Dipsolder Power contacts (10 A max current)	RM12PIE52ERPLF	RC12PIE52ERPLF

REFERENCE DATA

Product specification GS-12-203

For more information about e-catalog or FCI sales offices, headquarters, agents and local distributors, visit www.fci.com

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