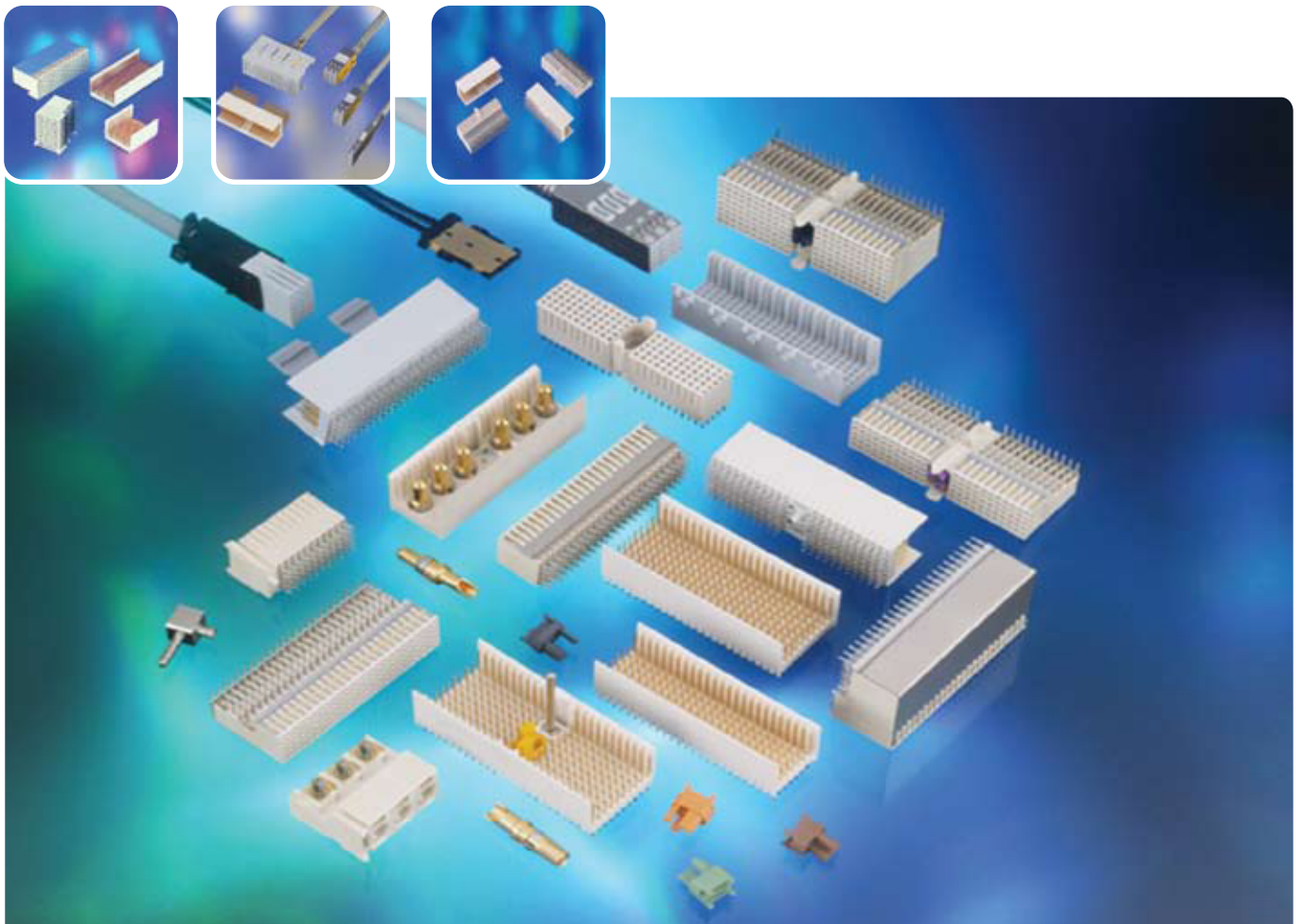
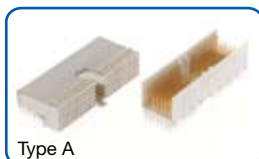




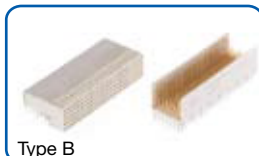
 ELECTRONICS

# Millipacs® and CompactPCI Core Product Selector

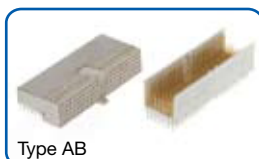
## 5 Row Signal - Standard



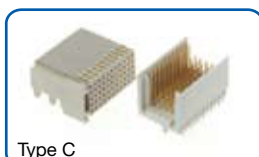
Type A



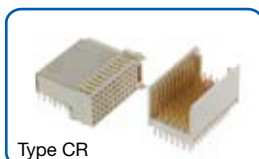
Type B



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<br>110 pos<br>service center      | press-fit    | HM2P07PD5111N9LF | HM2P07PD5110N9LF | HM2H07P1LF | HM2R01PA5108N9LF       | HM2R01PA5100N9LF |
|                                  |                                                       | rear-plug-up | HM2P07PK5111GFLF | HM2P07PK5110GFLF |            |                        |                  |
| Type B                           | module length 50 mm<br>125 pos<br>no service center   | press-fit    | HM2P08PD5111N9LF | HM2P08PD5110N9LF | HM2H08P1LF | HM2R02PA5108N9LF       | HM2R02PA5100N9LF |
|                                  |                                                       | rear-plug-up | HM2P08PK5111GFLF | HM2P08PK5110GFLF |            |                        |                  |
| Type AB                          | module length 50 mm<br>110 pos<br>guiding pegs        | press-fit    | HM2P65PD5111N9LF | HM2P65PD5110N9LF | HM2H65P1LF | HM2R65PA5108N9LF       | HM2R65PA5100N9LF |
|                                  |                                                       | rear-plug-up | HM2P65PK5111GFLF | HM2P65PK5110GFLF |            |                        |                  |
| Type C                           | module length 25 mm<br>55 pos<br>service center-left  | press-fit    | HM2P09PD5111N9LF | HM2P09PD5110N9LF | HM2H09P1LF | HM2R03PA5108N9LF       | HM2R03PA5100N9LF |
|                                  |                                                       | rear-plug-up | HM2P09PK5111GFLF | HM2P09PK5110GFLF |            |                        |                  |
| Type CR                          | module length 25 mm<br>55 pos<br>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<br>55 positions<br>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

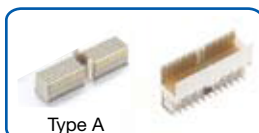
#### PACKAGING

Tape&amp;reel

#### REFERENCE DATA

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

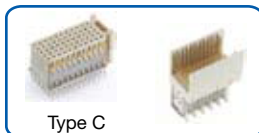
## 5 Row Signal - Reversed



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<br>110 pos<br>service center     |  | HM2J07PE5118N9LF   | HM2J07PE5110N9LF | HM2S10PE5101N9LF    | HM2S10PE5100N9LF |
|                                  |                                                      |  |                    |                  |                     |                  |
| Type B                           | module length 50 mm<br>125 pos<br>no service center  |  | HM2J08PE5118N9LF   | HM2J08PE5110N9LF | HM2S02PE5101N9LF    | HM2S02PE5100N9LF |
|                                  |                                                      |  |                    |                  |                     |                  |
| Type C                           | module length 25 mm<br>55 pos<br>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<br>176 pos<br>service center     | press-fit    | HM2P87PD8111N9LF | HM2P87PD8110N9LF | HM2H87P1LF | HM2R87PA8108N9LF       | HM2R87PA8100N9LF |
|                                  |                                                      | rear-plug-up | HM2P87PK8111GFLF | HM2P87PK8110GFLF |            |                        |                  |
| Type DE                          | module length 50 mm<br>200 pos<br>guiding pegs       | press-fit    | HM2P95PD8111N9LF | HM2P95PD8110N9LF | HM2H95P1LF | HM2R95PA8108N9LF       | HM2R95PA8100N9LF |
|                                  |                                                      | rear-plug-up | HM2P95PK8111GFLF | HM2P95PK8110GFLF |            |                        |                  |
| Type E                           | module length 50 mm<br>200 pos<br>no service center  | press-fit    | HM2P88PD8111N9LF | HM2P88PD8110N9LF | HM2H88P1LF | HM2R88PA8101N9LF       | HM2R88PA8100N9LF |
|                                  |                                                      | rear-plug-up | HM2P88PK8111GFLF | HM2P88PK8110GFLF |            |                        |                  |
| Type F                           | module length 25 mm<br>88 pos<br>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 &amp; Power



Type L



Type N



Type M

|        | Signal & Power                                                                         | Header Straight  | Receptacle Right Angle |
|--------|----------------------------------------------------------------------------------------|------------------|------------------------|
| Type L | module length 50 mm<br>6 power positions<br>service center                             | HM2A30PG5000LF   | HM2E30PH5000LF         |
| Type N | module length 25 mm<br>3 power positions<br>service center                             | HM2A32PG5000LF   | HM2E32PH5000LF         |
| Type M | module length 50 mm<br>3 power + 55 signal positions<br>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



Type AB19



Type AB22



Type B22

## 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                          |

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

## 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 |

## 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 |
|-----------------------|-----------|

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- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
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