PM-1028-4/8-R20
Quick Installation Guide
Version 1.0

Apr. 07, 2006

Package Contents

PM-1028 package includes the following items:
- 1 x PM-1028 PC/104 Module
- 1 x RS232*4 ports cable P/N: 32200-025400-RS
- 1 x mini jumper pack P/N: 33100-000033-RS
- 4x Intermediate Pole P/N: 46005-002200-RS
- 4x Plastics Screw P/N: 46012-000101-RS
- 1 x Utility CD P/N: IEI-7B000-000087
- 1 x QIG (quick installation guide) P/N: 51000-001091-RS

If any of these items is missing or damaged, contact the dealer from whom you purchased this product.   Save the shipping materials and carton in case you want to ship or store the product in the future.

Specifications

Bus interface: **PC/104** bus interface
Interrupt Level: 3, 4, 5, 7, 9, 10,11, 12
Chipset: TI 16C554A
Bus Rate: Up to 921.6K bps(at 14.745Mhz clock input)
Serial Ports: 8 16C550-compatible UARTs→PM-1028-8
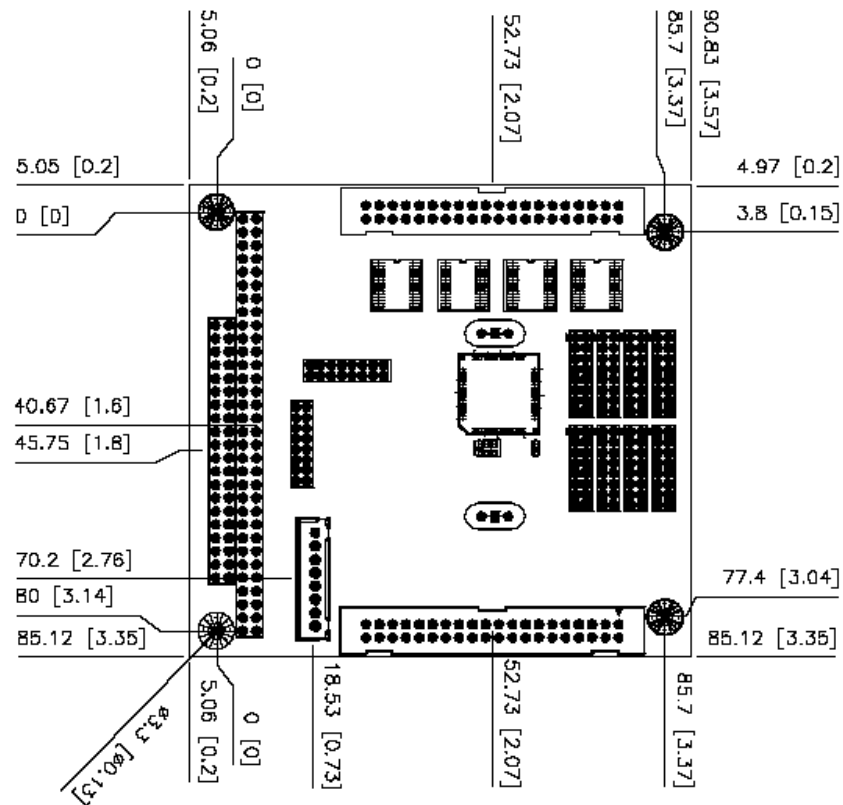   4 16C550-compatible UARTs→ PM-1028-4
Shared or Independent Interrupt
Selectable Independent vector address
Selectable I/O address
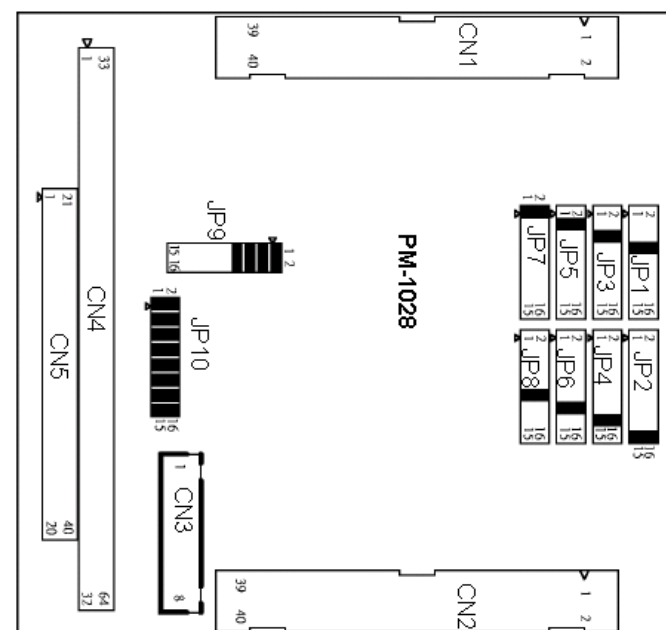**Power consumption**: 5V @ 0.6A (max)
Operating temperature: 0 ~ 60 C

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318-31FH	OFF	ON	ON	ON	OFF	OFF
320-327H	OFF	ON	ON	OFF	ON	ON
328-32FH	OFF	ON	ON	OFF	ON	OFF
330-337H	OFF	ON	ON	OFF	OFF	ON
338-33FH	OFF	ON	ON	OFF	OFF	OFF
340-347H	OFF	ON	OFF	ON	ON	ON
348-34FH	OFF	ON	OFF	ON	ON	OFF
350-357H	OFF	ON	OFF	ON	OFF	ON
358-35FH	OFF	ON	OFF	ON	OFF	OFF
360-367H	OFF	ON	OFF	OFF	ON	ON
368-36FH	OFF	ON	OFF	OFF	ON	OFF
370-377H	OFF	ON	OFF	OFF	OFF	ON
378-37FH	OFF	ON	OFF	OFF	OFF	OFF
380-387H	OFF	OFF	ON	ON	ON	ON
388-38FH	OFF	OFF	ON	ON	ON	OFF
390-397H	OFF	OFF	ON	ON	OFF	ON
398-39FH	OFF	OFF	ON	ON	OFF	OFF
3A0-3A7H	OFF	OFF	ON	OFF	ON	ON
3A8-3AFH	OFF	OFF	ON	OFF	ON	OFF
3B0-3B7H	OFF	OFF	ON	OFF	OFF	ON
3B8-3BFH	OFF	OFF	ON	OFF	OFF	OFF
3C0-3C7H	OFF	OFF	OFF	ON	ON	ON
3C8-3CFH	OFF	OFF	OFF	ON	ON	OFF
3D0-3D7H	OFF	OFF	OFF	ON	OFF	ON
3D8-3DFH	OFF	OFF	OFF	ON	OFF	OFF
3E0-3E7H	OFF	OFF	OFF	OFF	ON	ON
3E8-3EFH	OFF	OFF	OFF	OFF	ON	OFF
3F0-3F7H	OFF	OFF	OFF	OFF	OFF	ON
3F8-3FFH	OFF	OFF	OFF	OFF	OFF	OFF

*: Default

- **JP10**: IRQ sharing mode selection

Mode	13-14	15-16
*Independent IRQ Mode	ON	ON
COM1~COM8 share 1 IRQ (assigned by JP7)	OFF	ON

*: Default

COM Port IRQ selection

JP1: COM4 IRQ setting, JP2: COM8 IRQ setting
JP3: COM3 IRQ setting, JP4: COM7 IRQ setting
JP5: COM2 IRQ setting, JP6: COM6 IRQ setting
JP7: COM1 IRQ setting, JP8: COM5 IRQ setting

IRQ	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16
3	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF
4	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF
5	OFF	OFF	ON	OFF	OFF	OFF	OFF	OFF
7	OFF	OFF	OFF	ON	OFF	OFF	OFF	OFF
9	OFF	OFF	OFF	OFF	ON	OFF	OFF	OFF
10	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF
11	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF
12	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON

Default setting: COM1 – IRQ3, COM2 – IRQ4, COM3 – IRQ5,
COM4 – IRQ7, COM5 – IRQ9, COM6 – IRQ10, COM7 –
IRQ11COM8 – IRQ12

- JP9: Interrupt status address setting

Interrupt Status Address	9-10	7-8	5-6	3-4	1-2
200H	ON	ON	ON	ON	ON
210H	ON	ON	ON	ON	OFF
220H	ON	ON	ON	OFF	ON
230H	ON	ON	ON	OFF	OFF
240H	ON	ON	OFF	ON	ON
250H	ON	ON	OFF	ON	OFF
260H	ON	ON	OFF	OFF	ON
270H	ON	ON	OFF	OFF	OFF
280H	ON	OFF	ON	ON	ON
290H	ON	OFF	ON	ON	OFF
2A0H	ON	OFF	ON	OFF	ON
2B0H	ON	OFF	ON	OFF	OFF
2C0H	ON	OFF	OFF	ON	ON
2D0H	ON	OFF	OFF	ON	OFF
2E0H	ON	OFF	OFF	OFF	ON
2F0H	ON	OFF	OFF	OFF	OFF
*300H	OFF	ON	ON	ON	ON
310H	OFF	ON	ON	ON	OFF
320H	OFF	ON	ON	OFF	ON
330H	OFF	ON	ON	OFF	OFF
340H	OFF	ON	OFF	ON	ON
350H	OFF	ON	OFF	ON	OFF
360H	OFF	ON	OFF	OFF	ON
370H	OFF	ON	OFF	OFF	OFF
380H	OFF	OFF	ON	ON	ON
390H	OFF	OFF	ON	ON	OFF
3A0H	OFF	OFF	ON	OFF	ON
3B0H	OFF	OFF	ON	OFF	OFF
3C0H	OFF	OFF	OFF	ON	ON
3D0H	OFF	OFF	OFF	ON	OFF
3E0H	OFF	OFF	OFF	OFF	ON
3F0H	OFF	OFF	OFF	OFF	OFF

*: Default

- JP10: COM Port I/O base address setting

Base Address	11-12	9-10	7-8	5-6	3-4	1-2
*200-207H	ON	ON	ON	ON	ON	ON
208-20FH	ON	ON	ON	ON	ON	OFF
210-217H	ON	ON	ON	ON	OFF	ON
218-21FH	ON	ON	ON	ON	OFF	OFF
220-227H	ON	ON	ON	OFF	ON	ON
228-22FH	ON	ON	ON	OFF	ON	OFF
230-237H	ON	ON	ON	OFF	OFF	ON
238-23FH	ON	ON	ON	OFF	OFF	OFF
240-247H	ON	ON	OFF	ON	ON	ON
248-24FH	ON	ON	OFF	ON	ON	OFF
250-257H	ON	ON	OFF	ON	OFF	ON
258-25FH	ON	ON	OFF	ON	OFF	OFF
260-267H	ON	ON	OFF	OFF	ON	ON
268-26FH	ON	ON	OFF	OFF	ON	OFF
270-277H	ON	ON	OFF	OFF	OFF	ON
278-27FH	ON	ON	OFF	OFF	OFF	OFF
280-287H	ON	OFF	ON	ON	ON	ON
288-28FH	ON	OFF	ON	ON	ON	OFF
290-297H	ON	OFF	ON	ON	OFF	ON
298-29FH	ON	OFF	ON	ON	OFF	OFF
2A0-2A7H	ON	OFF	ON	OFF	ON	ON
2A8-2AFH	ON	OFF	ON	OFF	ON	OFF
2B0-2B7H	ON	OFF	ON	OFF	OFF	ON
2B8-2BFH	ON	OFF	ON	OFF	OFF	OFF
2C0-2C7H	ON	OFF	OFF	ON	ON	ON
2C8-2CFH	ON	OFF	OFF	ON	ON	OFF
2D0-2D7H	ON	OFF	OFF	ON	OFF	ON
2D8-2DFH	ON	OFF	OFF	ON	OFF	OFF
2E0-2E7H	ON	OFF	OFF	OFF	ON	ON
2E8-2EFH	ON	OFF	OFF	OFF	ON	OFF
2F0-2F7H	ON	OFF	OFF	OFF	OFF	ON
2F8-2FFH	ON	OFF	OFF	OFF	OFF	OFF
300-307H	OFF	ON	ON	ON	ON	ON
308-30FH	OFF	ON	ON	ON	ON	OFF
310-317H	OFF	ON	ON	ON	OFF	ON