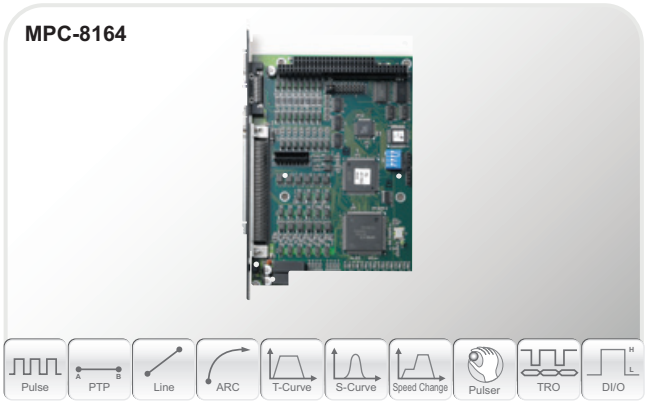
Extension Modules: PC-104

MPC-8164 4-axis Stepping & Servo Motion Control Module



Ordering Information

MPC-8164	4-axis stepping & servo motion control module with panel for GEME series

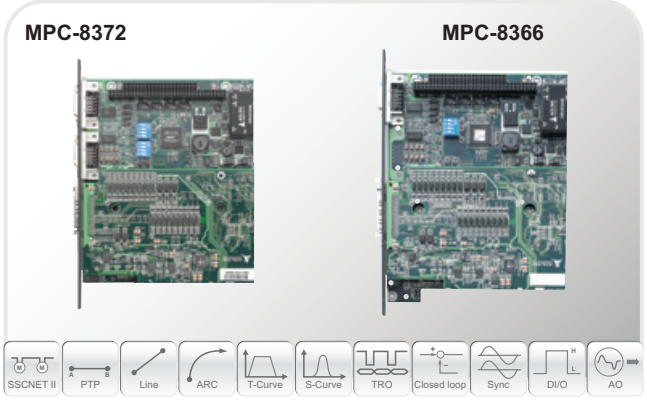
Accessories (Optional)

DIN-100M15	Termination board for general purpose with 1.5M cable
DIN-814M	Termination board for Mitsubishi MR-J2S-A servo amplifier with 1M cable
DIN-814M-J3A	Termination board for Mitsubishi MR-J3-A amplifier with 1M cable
DIN-814PA	Termination board for for Panasonic MINAS A servo amplifier with 1M cable
DIN-814Y	Termination board for Yaskawa Sigma II amplifier with 1M cable
CB-MLPT/S1M	Mini LPT to single open cable/1 M for user I/O port

Specifications

Motion Processor	20 MHz Motion ASIC
Bus	PCI-104
Dimensions	152x104.5 mm (WxD)
Control Type	Semi-closed loop Pulse
Pulse Output	4-axis / 28-bit / 6.55 MHz / Differential(3.5V)
Encoder Input	4 Channels / 28-bit/ 4 MHz / Up / down counter (Opto-isolated)
Dedicated I/O	ORG / EL / SVON / ERC / ALM / INP/ RDY (Opto-isolated)
User I/O	8 DI opto-isolated / 8 DO open collector
Motion Speed Profile	S curve / T curve / Constant speed
Multi-axis Capability	2~4 linear / 2 axes circular interpolation / Sync. Mode
Home Return	13 basic modes / Auto searching modes
Special Motion Modes	Multi axis contour following with continuous speed
Counter Compare	4 bidirectional comparators from 4 compare sources per axis
Camera Trigger	2 Channels, compares counters
Counter Latch	2 channels, high speed (10 MHz)
Continuous Trigger	4KB FIFO trigger points buffer for infinite triggering
Interrupt	16 programmable interrupt sources
OS Driver Support	Linux (kernel 2.4.18), Windows 98/NT/2K/XP/XPe/CE.NET
Software Package	Free Motion Library / MotionCreator Utility

MPC-8372/66 12-axis/6-axis SSCNET II Servo Motion Control Module



Ordering Information

MPC-8372	12-axis SSCNET II servo motion control module with panel for GEME series
MPC-8366	6-axis SSCNET II servo motion control module with panel for GEME series

Accessory (Optional)

DIN-68S/2	Terminal board & SCSI-VHDCI cable/1.8M for dedicated I/O port

Specifications

Motion Processor	100 MHz TI TMS320C6711 DSP
Motion Control Protocol	SSCNET II defined by Mitsubishi Electric Co.
Wiring Distance	Up to 30 meters / Serial type
Bus	PCI-104
Dimensions	152x104.5 mm (WxD)
Control Type	SSCNET open/closed loop type Analog output closed loop type Open loop type
No. of Axes	12/6
Encoder Input	2-CH/32-bit/4 MHz/Up down counter (Opto-isolated)
Dedicated I/O	ORG/EL/EMG (Opto-isolated) / Two 16-bit DA (+/-10 V)/ Two 12-bit AD (+/-10 V)
User I/O	2 DO open collectors / 6 TTL outputs
Motion Speed Profile	S shape / T shape / Constant speed
Multi-axis Capability	2-12/2-6 linear/ 2 axis circular interpolation / Sync. Mode
Home Return	2 basic modes
Special Motion Modes	Multi axis contour following with continuous speed
Interrupt	23 Programmable Interrupt sources
OS Driver Support	Windows 98/NT/2K/XP/XPe/CE.NET
Software Package	Free Motion Library / MotionCreator Utility

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Extension Modules: PC-104

MPC-7664/32/32AU Isolated 64/32-CH DI/DO Modules



Specifications

Number of Channels	16 in/16 out MPC-7632 32 in/32 out MPC-7664
External Interrupt Channel	1
Bus	PC-104
Dimension	152x104.5 mm (WxD)
Input Voltage	12 VDC~24 VDC (±10%)
Input Current	5~15 mA/bit (Max.)
Input Turn-on Time (off → on)	3.5 us (Typ)
Input Turn-offn Time (on → off)	50 us (Typ)
Voltage Between Two Terminals	30 VDC (Max.)
Output Current	80 mA (Max.)
Output Voltage Drop	1.0 V (Max.)
Output Turn-on Time (off → on)	2.8 us (Typ)
Output Turn-off Time (on → off)	400 us (Typ)
Current Consumption	400mA @ +5 V (±5%)
Isolation Voltage	2.5 kV RMS (Min.)
Operating Temperature	0˚C ~ 50˚C
Operating Humidity	35% ~ 85%
OS Driver Support	Linux (kernel 2.4.18), Windows 98/NT/2K/XP/XPe/CE.NET
Software Package	Free Function Library

Ordering Information

MPC-7664	Isolated 64-CH DI/DO module with panel for GEME series
MPC-7632	Isolated 32-CH DI/DO module with panel for GEME series
MPC-7632AU	Isolated 32-CH DI/DO module and AC97 modules with panel for GEME series

Accessory (Optional)

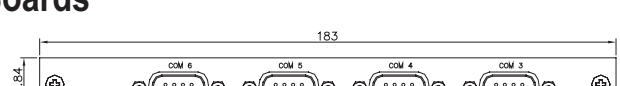
DIN-50S	Terminal board & 50-pin SCSI-II cable/1 M

Dimensions of Extension Boards

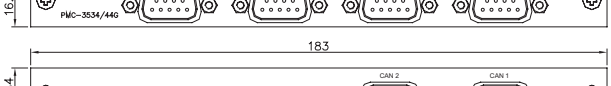
PMC-3534/44G



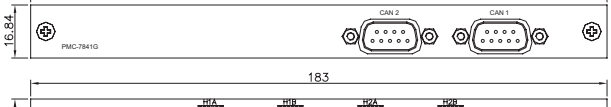
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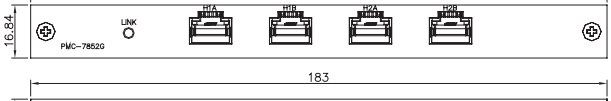
PMC-7852G



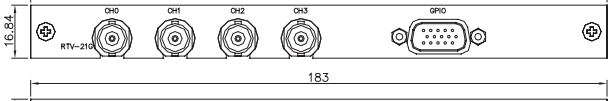
PMC-RTV21G/24G



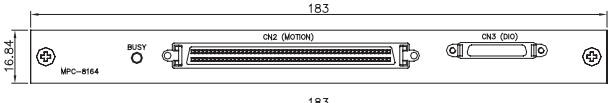
MPC-8164



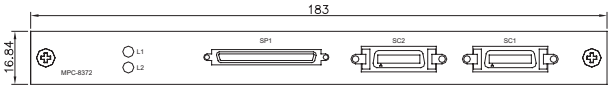
MPC-8372



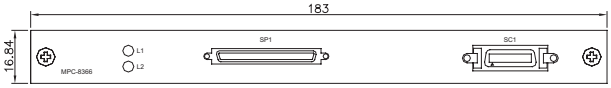
MPC-8366



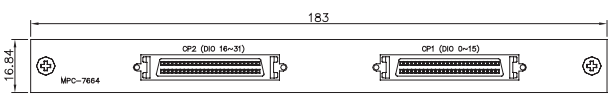
MPC-7664



MPC-7632



MPC-7632AU



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