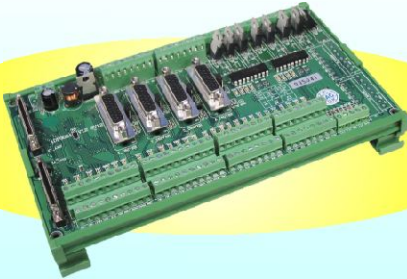


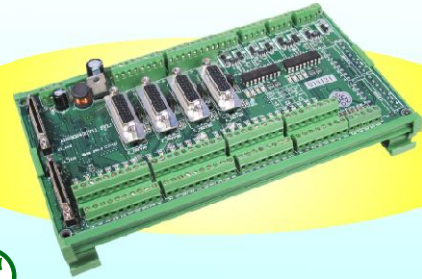
Bridging the Gap between Real World and Computer

MPC3024AC Wiring Board

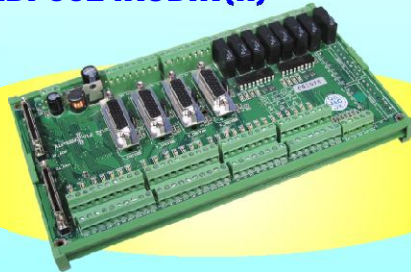
ADP3024ACDIN(N)  



ADP3024ACDIN(P)  



ADP3024ACDIN(R)  



Pin Assignments

+24Vin	68 34	+24Vin	
+5Vin	67 33	+5Vin	
EXTG	66 32	EXTG	
(Y/A) DA	65 31	DA (X/Z)	
EXTG	64 30	EMG	
NC	63 29	NC	
NC	62 28	NC	
NC	61 27	NC	
NC	60 26	NC	
NC	59 25	NC	
NC	58 24	NC	
(Y/A) ERC	57 23	SVON (Y/A)	
(Y/A) ALM	56 22	SRDY (Y/A)	
(Y/A) INP	55 21	CCW- (Y/A)	
(Y/A) CCW+	54 20	CW- (Y/A)	
(Y/A) CW+	53 19	EZ- (Y/A)	
(Y/A) EZ+	52 18	EB- (Y/A)	
(Y/A) EB+	51 17	EA- (Y/A)	
(Y/A) EA+	50 16	CMP (Y/A)	
(Y/A) FIN	49 15	LTC (Y/A)	
(Y/A) PCS	48 14	HOME (Y/A)	
(Y/A) SD	47 13	LS- (Y/A)	
(Y/A) LS+	46 12	ERC (X/Z)	
(X/Z) SVON	45 11	ALM (X/Z)	
(X/Z) SRDY	44 10	INP (X/Z)	
(X/Z) CCW-	43 9	CCW+ (X/Z)	
(X/Z) CW-	42 8	CW+ (X/Z)	
(X/Z) EZ-	41 7	EZ+ (X/Z)	
(X/Z) EB-	40 6	EB+ (X/Z)	
(X/Z) EA-	39 5	EA+ (X/Z)	
(X/Z) CMP	38 4	FIN (X/Z)	
(X/Z) LTC	37 3	PCS (X/Z)	
(X/Z) HOME	36 2	SD (X/Z)	
(X/Z) LS-	35 1	LS+ (X/Z)	

+5Vout	10	
+5Vout	1 19	+24Vout
EB-	11	
EZ-	2 20	EA-
EB+	12	
EZ+	3 21	EA+
EXTG	13	
EXTG	4 22	EXTG
CW+	14	
CW-	5 23	CCW+
CCW-	15	
EXTG	6 24	EXTG
EXTG	16	
INP	7 25	SRDY
ALM	17	
EXTG	8 26	SVON
EXTG	18	
EXTG	9	

Specifications

- ▶ Power Requirement : 24Vdc \pm 4Vdc
- ▶ On Board Build-In s.p.s. : +5Vdc 500mA (Max)
- ▶ General Input : 4 with LED indicators
- ▶ General Output :
 - ADP3024ACDIN(N) : 8 NMOS (Sink 1A @120Vdc) with LED indicators
 - ADP3024ACDIN(P) : 8 PMOS (Source 1A @24Vdc) with LED indicators
 - ADP3024ACDIN(R) : 8 Relays (3A @250Vac or 3A @30Vdc) with LED indicators
- ▶ Connector : 2 68-pin mini scsi female connector for main Card connection
- ▶ Specific Servo Control Connector : 4 D-type 26p (1 per axis)
- ▶ Operation Temperature : 0 $^{\circ}$ C ~ +70 $^{\circ}$ C
- ▶ Operation Humidity : 5~95% RH, non-condensed
- ▶ Dimension :
 - ADP3024ACDIN(N)/(R) : 121(W)*204(L)*47(H)mm
4.8(W)*8.1(L)*1.9(H)in
 - ADP3024ACDIN(P) : 121(W)*204(L)*45(H)mm
4.8(W)*8.1(L)*1.8(H)in

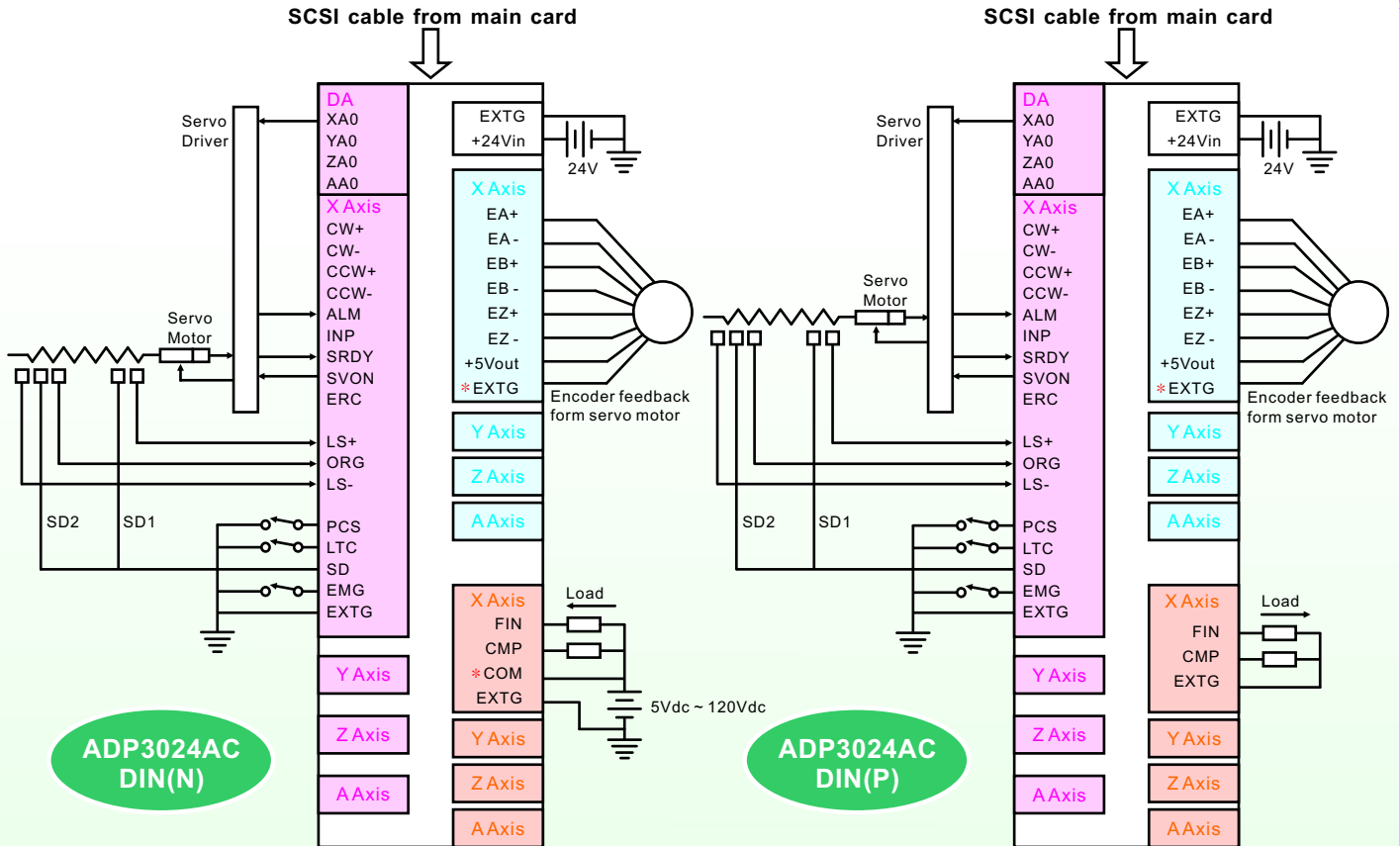
Matched I/O Card

- ▶ MPC3024AC : 4-axis Motion Control Card for Servo/Stepping Motor Control (include SM23404) P.5



Bridging the Gap between Real World and Computer

Wiring Diagram



* Differential signals needs connect EXTG as common.
 * COM connect to power supply as free-wheel path to avoid high voltage induced by inductive load.

Pulse Input under various mode			
Input Terminal	Quadrature	Single Pulse	Dual Pulse
EA+	EA+	Clock+	CW+
EA-	EA-	Clock-	CW-
EB+	EB+	Dir+	CCW+
EB-	EB-	Dir-	CCW-
EZ+	EZ+	NA	NA
EZ-	EZ-	NA	NA