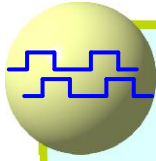


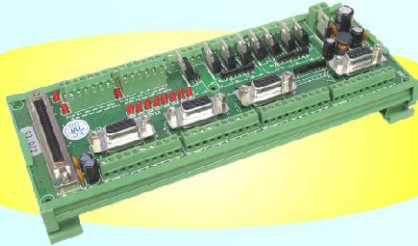


# Bridging the Gap between Real World and Computer

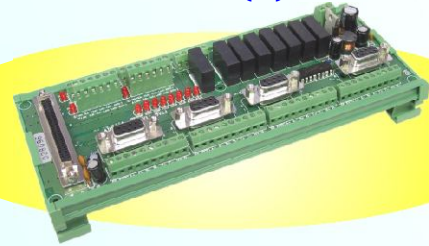


## LSI3144A Wiring Board

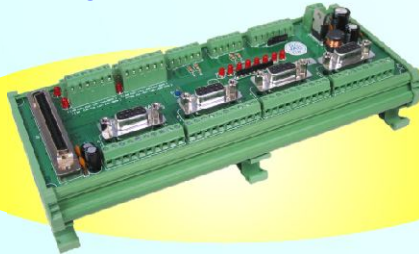
**ADP3144DIN(N)** CE



**ADP3144DIN(R)** CE

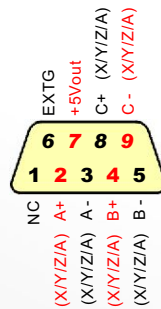


**ADP3144ADIN** CE



### Pin Assignments

A_CLR_OUT	68 34	Y_CLR_OUT
Z_CLR_OUT	67 33	X_CLR_OUT
A_CMP	66 32	Y_CMP
Z_CMP	65 31	X_CMP
A_IN3	64 30	Y_IN1
Z_IN2	63 29	X_IN0
A_CLR-	62 28	Y_CLR-
A_CLR+	61 27	Y_CLR+
A_LAH-	60 26	Y_LAH-
A_LAH+	59 25	Y_LAH+
A_H-	58 24	Y_H-
A_H+	57 23	Y_H+
A_C-	56 22	Y_C-
A_C+	55 21	Y_C+
A_B-	54 20	Y_B-
A_B+	53 19	Y_B+
A_A-	52 18	Y_A-
A_A+	51 17	Y_A+
Z_CLR-	50 16	X_CLR-
Z_CLR+	49 15	X_CLR+
Z_LAH-	48 14	X_LAH-
Z_LAH+	47 13	X_LAH+
Z_H-	46 12	X_H-
Z_H+	45 11	X_H+
Z_C-	44 10	X_C-
Z_C+	43 9	X_C+
Z_B-	42 8	X_B-
Z_B+	41 7	X_B+
Z_A-	40 6	X_A-
Z_A+	39 5	X_A+
EXTG	38 4	+5Vin
EXTG	37 3	+5Vin
EXTG	36 2	+24Vin
EXTG	35 1	+24Vin



### Specifications

- ▶ Power Requirement : 24Vdc ± 4Vdc
- ▶ On Board Build-In s.p.s. : +5Vdc 500mA (Max)
- ▶ Specific Input : 24
- ▶ General Input : 4 with LED indicators
- ▶ General And Specific Output :
  - ADP3144DIN(N) : 8 NMOS (Sink 1A @120Vdc) with LED indicators
  - ADP3144DIN(R) : 8 Relays (3A @250Vac, 3A @30Vdc) with LED indicators
  - ADP3144ADIN : 8 Open Collector (5Vdc ~30Vdc) with LED Indicators
- ▶ Accept Single-End Differential Input
- ▶ Specific Encoder/Linear Scale Input Connector : four 9-pin D-type connectors
- ▶ Connector : One 68-pin SCSI II female connector
- ▶ Operation Temperature : 0 °C ~ +70 °C
- ▶ Operation Humidity : 5~95% RH, non-condensing
- ▶ Dimension : 86(W)\*204(L)\*53(H)mm  
3.4(W)\*8.1(L)\*2.1(H)in

### Matched IIO Card

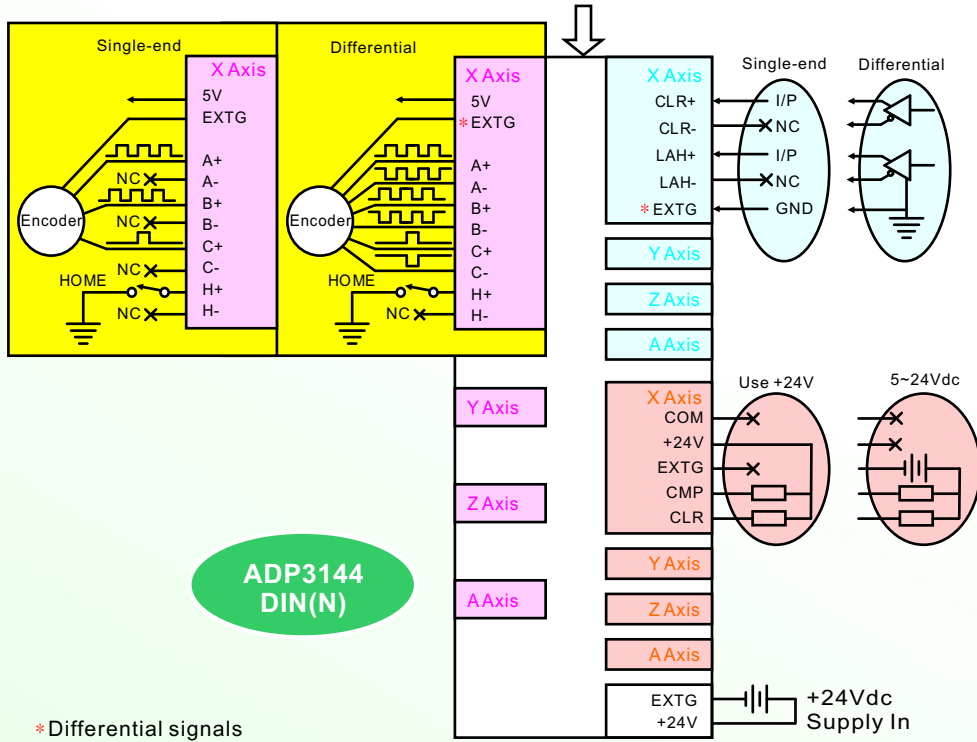
- ▶ LSI3144A : 4-axis Quadrature Encoder Counter Card P.35



# Bridging the Gap between Real World and Computer

## Wiring Diagram

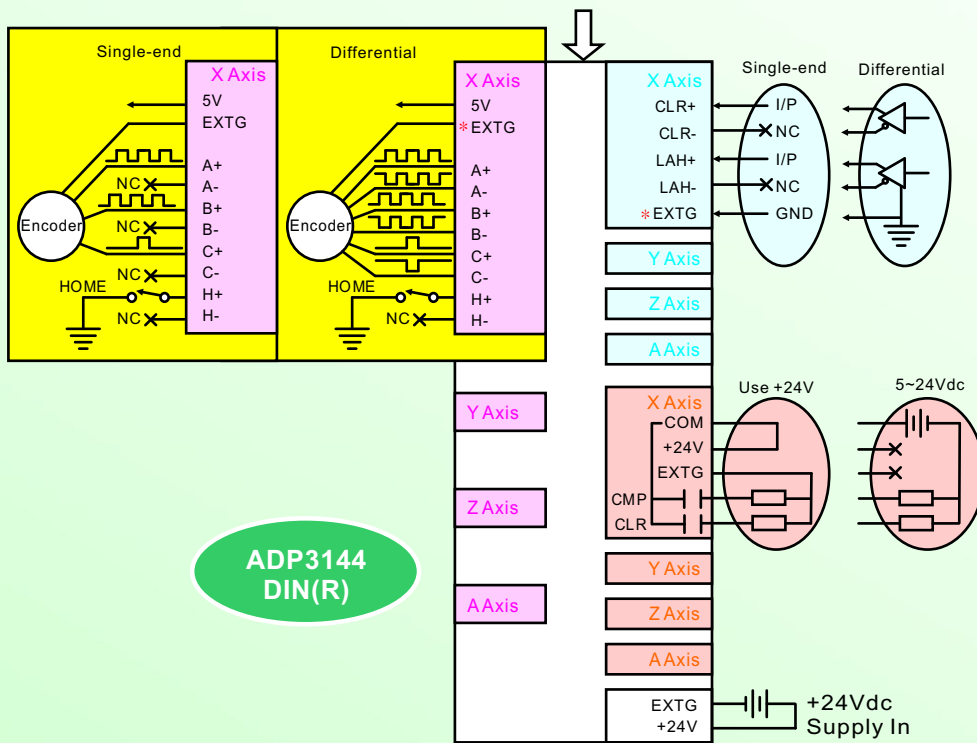
SCSI cable from main card



**ADP3144  
DIN(N)**

\*Differential signals needs connect EXTG as common.

SCSI cable from main card



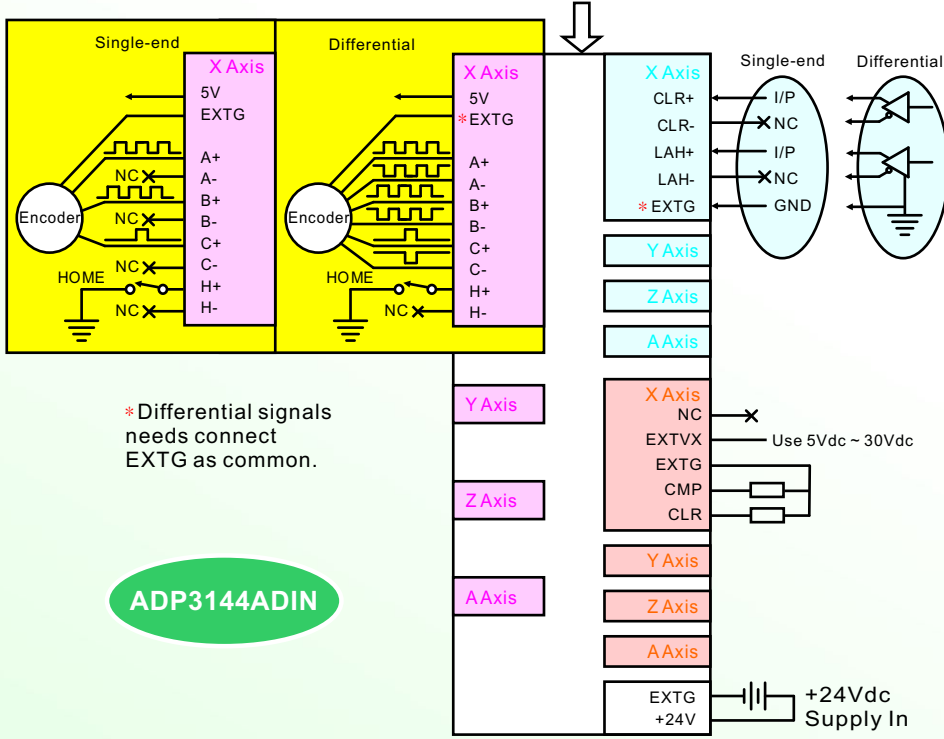
**ADP3144  
DIN(R)**



# Bridging the Gap between Real World and Computer

## Wiring Diagram

SCSI cable from main card



**ADP3144ADIN**

Pulse Input under various mode			
Input Terminal	Quadrature	Single Pulse	Dual Pulse
A+	A+	Clock+	CW+
A-	A-	Clock-	CW-
B+	B+	Dir+	CCW+
B-	B-	Dir-	CCW-
C+	C+	NA	NA
C-	C-	NA	NA

## Note