LCMX-64 ANALOG MULTIPLEXER *Configuration*
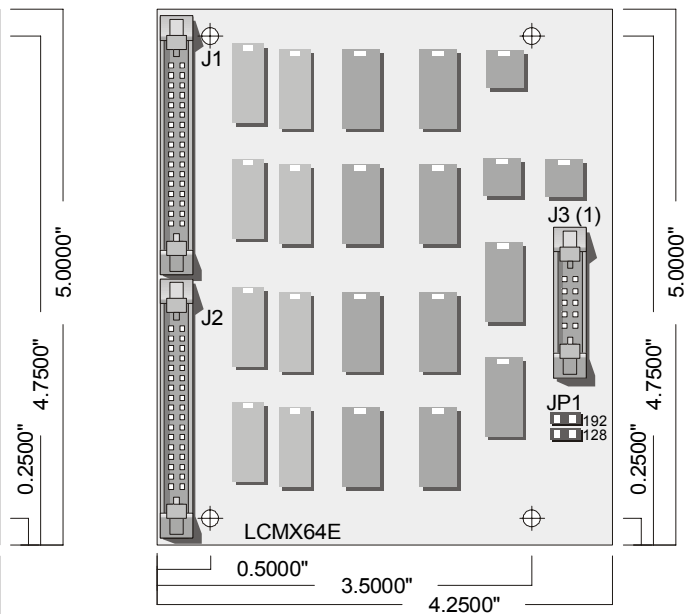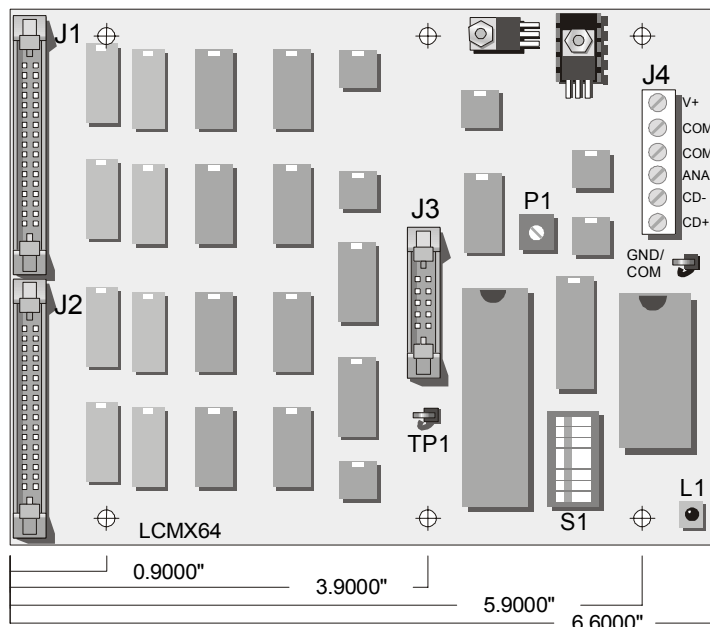
LCMX64

LCMX64E

CONNECTOR DESIGNATION

CONNECTOR J1	
PINS 1-32	Analog input signals 1-32
PINS 33-34	Analog signal common
CONNECTOR J2	
PINS 1-32	Analog input signals 33-64
PINS 33-34	Analog signal common
CONNECTOR J3	
LCMX64E	EXPANSION CARD CONNECTOR
CONNECTOR J4	
V+	Power supply input, +12-15VDC, 150mA
COM	Power supply common
ANA	AMX192/D54 analog output signal
CD-	AMX clock (-) or DMX512 data (-)
CD+	AMX clock (+) or DMX512 data (+)

MAXIMUM INPUT VOLTAGE

Do not exceed 12VDC on any off the analog inputs.

LED INDICATOR

One LED (LD1) is used to indicate power supply and processor run status. Glowing steadily indicates power supply and processor OK. Off points to defective or missing power supply, and flashing suggests defective processor hardware.

TEST POINTS

TP1   SCOPE SYNC. Use the test point to trigger an oscilloscope from the reset pulse of an AMX192 output or the break signal of a DMX512 output.
GND   Power supply and signal common

OUTPUT CALIBRATE

AMX/D54 output level can be calibrated by turning S6 off and adjusting P1 while measuring the DC value at the ANA terminal on J4.

DIP Switch Settings

MODE SELECT	1	2
DMX512 OUTPUT 1-192	**ON**	**ON**
DMX512 OUTPUT 193-384	OFF	ON
AMX192 OUTPUT	ON	OFF
D54 OUTPUT	OFF	OFF
INPUT TRANSIENT FILTER (ver.1.2 and later) **For use with contact closure inputs only**	**3**	**4**
HIGH FILTER	ON	ON
LOW FILTER	ON	OFF
DISABLED	**OFF**	**OFF**
CHANNELCONFIGURATION		**5**
60/120/180 CHANNELS		OFF
64/128/192 CHANNELS		**ON**
OPERATING MODE		**6**
AMX OUTPUT CALIBRATE		OFF
NORMAL (RUN) MODE		**ON**
NUMBER OF CHANNELS	**7**	**8**
60/64 CHANNELS	**ON**	**ON**
120/128 CHANNELS	OFF	OFF
180/192 CHANNELS	OFF	OFF

FACTORY DEFAULT SETTINGS ARE SHOWN IN BOLD

LCMX64E

The LCMX64 can support up to 192 channels with the addition of 1 or 2 LCMX64E expander cards. To install the LCMX64E, simply mount each on top of the LCMX64 using min. 1" standoffs and connect the cards together using the supplied 10 conductor ribbon cable. Ensure that the total number of channels are set correctly on DIP switches 7 & 8 and at JP1 on each LCMX64E.