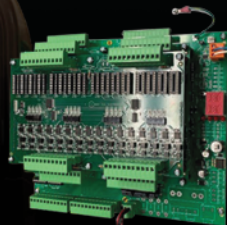
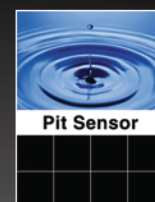


EASI-XXXX

C.E. SYSTEMS



C.E. SYSTEMS

2.8 INCH EASI DISPLAY

The EASI CE Mini PI was designed to increase flexibility and reduce space for the ever changing codes.

This display is in the dominant position which allows the user to place a custom graphic on the screen to reflect an address or building logo. Once activated by conditions of the elevator, it can display the Fire Messages required by A17.1 code. It also has the ability to display, emergency power, phone line operability, car lighting faults and a pit sensor message.

When the unit is active in the Fire Phase 1 mode it has capability to show which cars go into Phase 2 mode by car number at the bottom of the screen. This Multi car mode also is used to show which cars are in the other modes available to this display. Messages are shown by priority. So the Fire Phase 1 remains on the screen until the condition clears. The code also requires an Audible feature that sounds at the display for the Phone line operability and the Car Lighting faults. This feature has a resettable button that once depressed it will discontinue the alarm for 24 hours, but the indicator stays active until the fault is corrected and the alarm will resume again in 24 hours if the fault is not corrected. The disable button feature is accessible by a small hole beneath the display in the metal panel.

The inputs and outputs to the EASI display are provided in the machine room with optically insulated inputs and relay outputs. The 1 TWSP (Twisted Shielded Pair) CAN link and the 24VDC power is supplied from Machine Room Interface Box.

The EASI Display has an optional pit sensor when triggered by a sensor in the Pit or Pits specific to the bank, with indications to which Pit sensor triggered the fault. The sensors are wired directly into the display at the lobby, then a Relay Output is given in the machine room for the appropriate action to be taken.

TYPICAL APPLICATIONS:

- > Fire Phase I & II
- > Emergency Power
- > Car Lighting Fault Inputs
- > Phone Line Operability Inputs
- > Pit Sensor Fault Inputs

FEATURES:

- > Color LCD Display
- > Resettable Audible Alarm
- > USB Updateable
- > Backlight dimming feature



C.E. Electronics, Inc. (US) 2107 Industrial Drive, Bryan, Ohio 43506 p: 419.636.6705 www.cееlectronics.com

C.E. Electronics, Ltd. (UK) P.O. Box 1679 Marlow, Bucks SL7 3ZG, UK p: +44 (0) 1628 487633 www.cееlectronics.co.uk

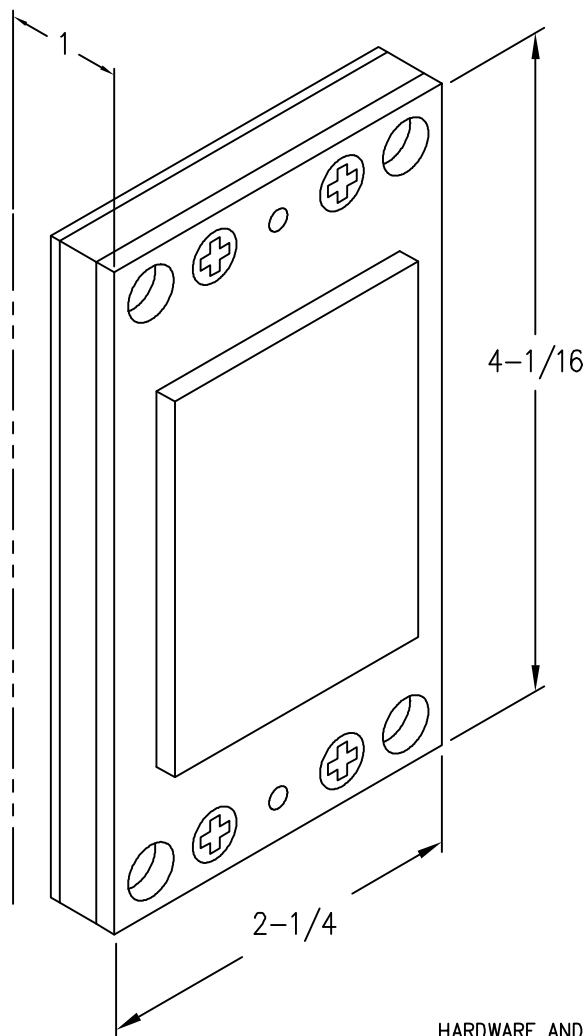


C.E. Electronics, Inc.
2107 Industrial Drive
Bryan, OH 43506
PH (419) 636-6705 FX (419) 636-2516
www.ccelectronics.com

EASI-XXXX

Ver. 2 Rel. 1/25/2021

MINI



NOTE: DIMENSIONS ARE IN INCHES

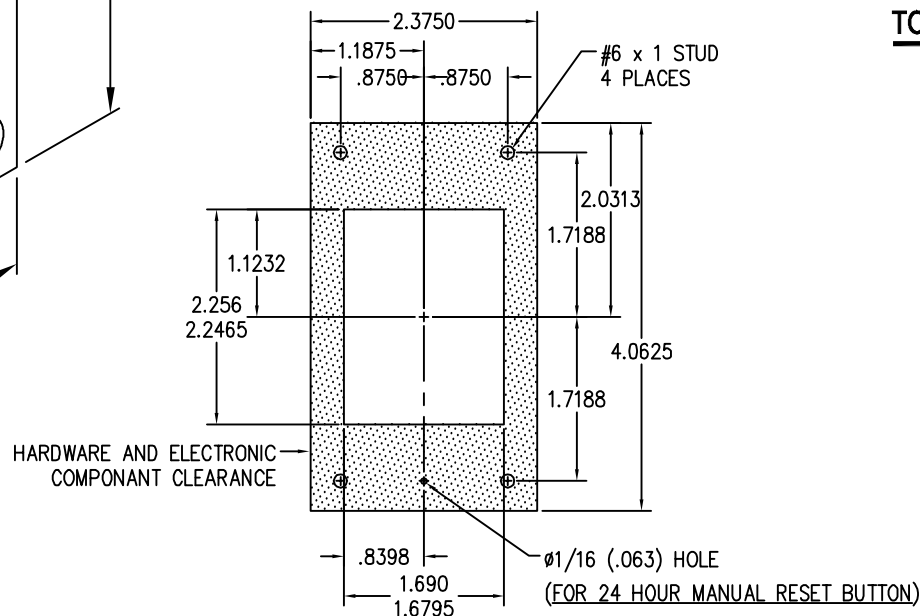
2.8 INCH EASI DISPLAY

The EASI display is a flexible display that is capable of displaying multiple screens w/ an audible signal and has a 24 hour manual reset feature, for the A17.1 codes

The unit can display, Fire Phase One as well as Fire Phase Two for up to 8 cars, emergency power, light and phone line sensor inputs are also available that also show, up to 8 cars on the screen.

An optional pit sensor can be wired into the display

The 1 TWSP CAN Link and 24Vdc power is supplied from the machine room interface



TO ORDER - SPECIFY EASI - X X X X

"NUMBER OF ELEVATORS"

"1" = 1-3 ELEVATOR

"4" = 4-6 ELEVATORS

"8" = 7-8 ELEVATORS

"LIGHT SENSOR"

"L" = LIGHT INPUT SENSOR

"X" = NO LIGHT SENSOR

"PHONE SENSOR"

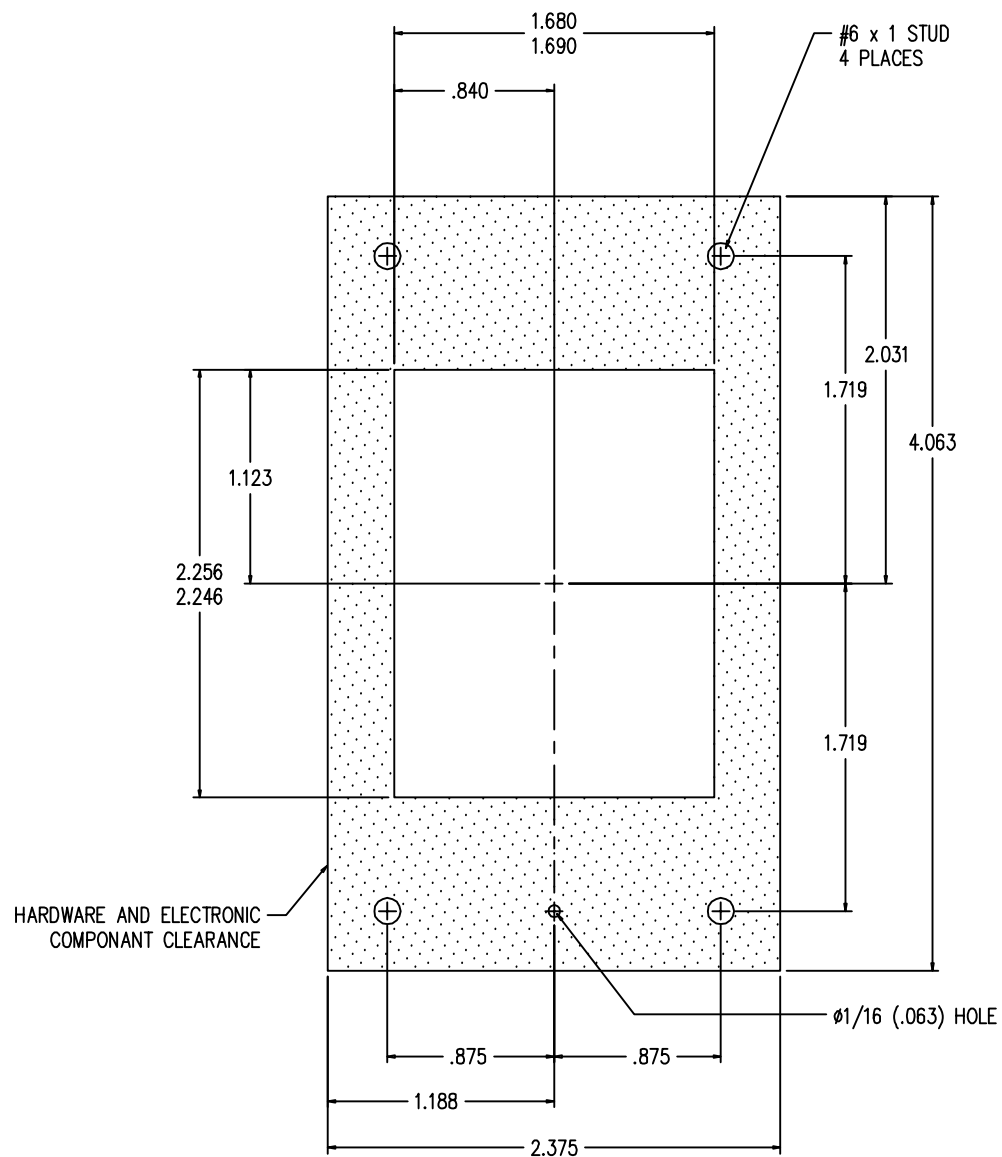
"S" = PHONE LINE SENSOR

"X" = NO PHONE SENSOR

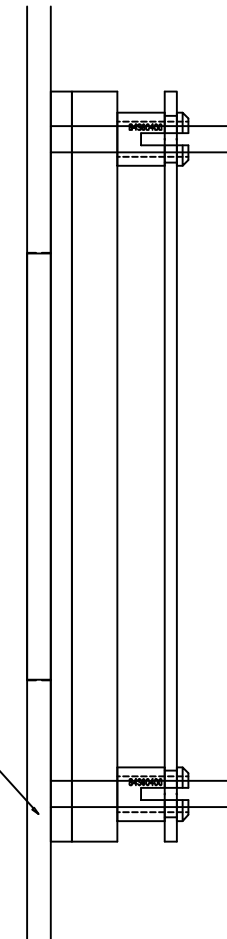
"PIT SENSOR"

"P" = PIT SENSOR

"X" = NO PIT SENSOR



EXISTING METAL
1/8 (.125) THICK



LENS NUMBER:		BOARD # & REV:	
APPROVED BY:			
Signature:			
Date:			
Company:			
DATE DRAWN: 8/31/2018	LAST DATE REVISED	SCALE NTS	PART #
DRAWN BY: RNT	TOLERANCE UNLESS OTHERWISE SPECIFIED: $\pm .010$		 C.E. ELECTRONICS, INC. 2107 Industrial Drive Bryan, Ohio 43506 (419) 636-6705
REQUESTED BY:	TOLERANCE FOR CUTOUT (WINDOW):		
TITLE: EASI 2.8 DISPLAY PANEL PREP		DWG. NO. EASI - PP	

EASI DISPLAY BOARD

USB PORT FOR CODE
AND DESIGN UPDATES

JOB# _____

NOTE: BACK SIDE OF
THE BOARD IS SHOWN

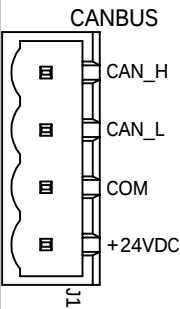
STATUS LED - BLINKS
WHILE RUNNING

Bridging *RST* (JP4) puts
the board in debug mode.
Bridging *TST* (JP3) puts the
board in self-test mode.
Bridging *D* (JP2) puts the
board in Demo mode.

VOLUME CONTROL

CAN BUS PORT

CAN_H
CAN_L
COM
+24 VDC



SILENCE BUZZER
BUTTON ON FRONT
SIDE OF BOARD

VDC
5+
OUT 2
IN 2
COM

CODE VERSION _____

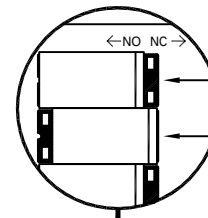
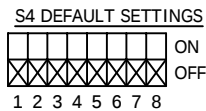
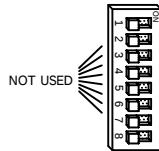
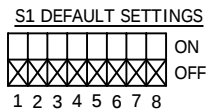
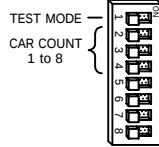
BOARD VERSION CE3793 ____

DATE DRAWN: 04/26/18	DRAWN BY: DAC	REQUESTED BY: KS	 C.E. ELECTRONICS, INC. 2107 Industrial Drive Bryan, OH 43506 (419) 636-6705
BOARD NUMBER: 3793	LAST DATE REVISED: 01/18/21	APPROVED BY:	
PRODUCT ELEVATOR ALERT STATUS INDICATOR DISPLAY BOARD	DWG. NO. EASI_3793_01	REV: D	

EASI-3

JOB# _____

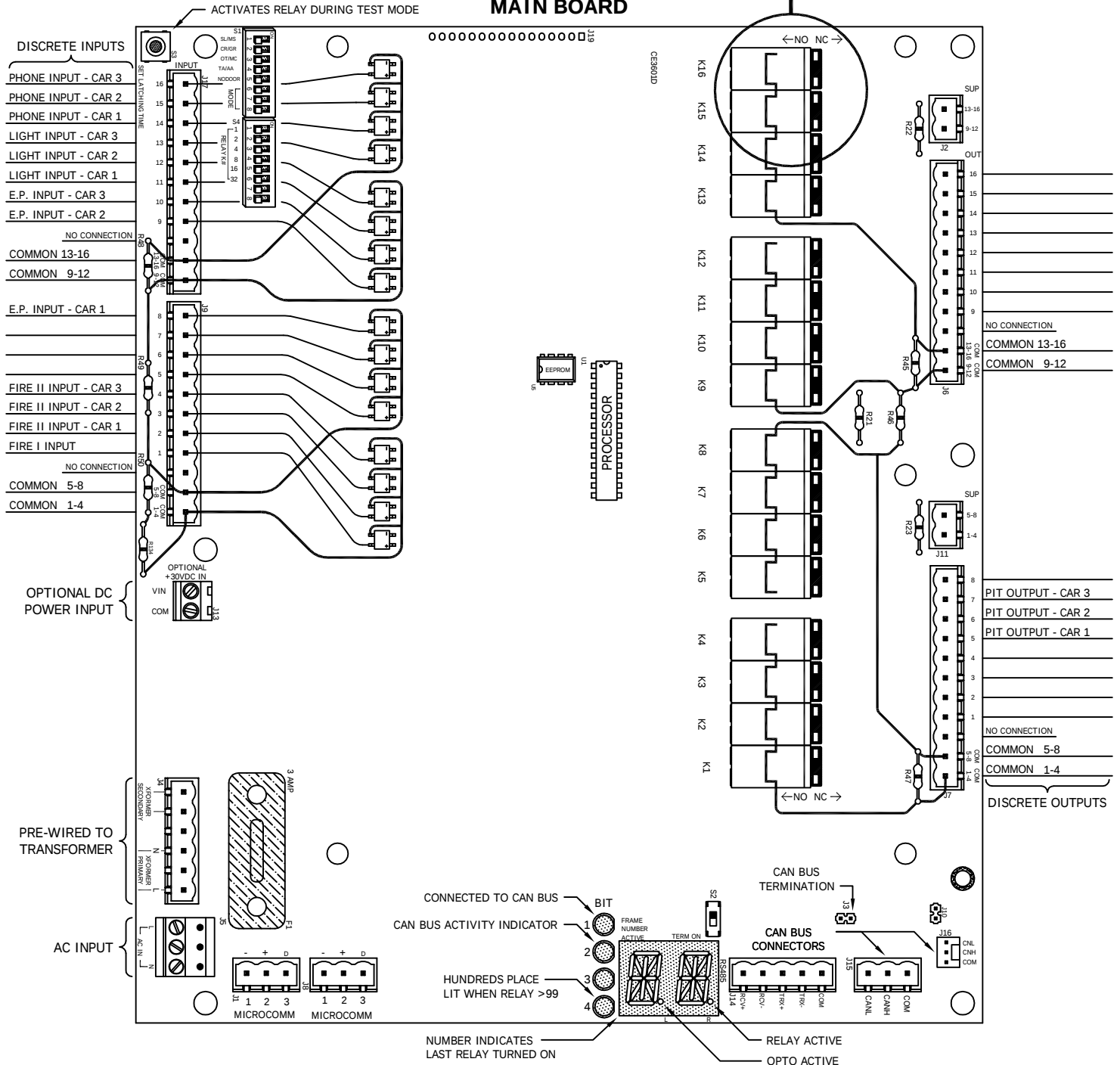
DS3	DS2	CAR COUNT
OFF	OFF	EASI-3
OFF	ON	EASI-6
ON	OFF	EASI-8



RELAY POSITION FOR
NORMALLY OPEN
CONTACT (DEFAULT)

RELAY POSITION
FOR NORMALLY
CLOSED CONTACT

MAIN BOARD



CODE VERSION _____

BOARD VERSION CE3601 _____

DATE DRAWN: 01/15/21	DRAWN BY: DAC	REQUESTED BY: KS	C.E. ELECTRONICS, INC. 2107 Industrial Drive Bryan, OH 43306 (419) 636-6705
BOARD NUMBER: 3601	LAST DATE REVISED: -	APPROVED BY:	
PRODUCT ELEVATOR ALERT STATUS INDICATOR - THREE CARS			DWG. NO. EASI_14

EASI-6

JOB# _____

DS3	DS2	CAR COUNT
OFF	OFF	EASI-3
OFF	ON	EASI-6
ON	OFF	EASI-8

TEST MODE — 1
CAR COUNT { 2
1 to 8 3
4
5
6
7
8

S1 DEFAULT SETTINGS

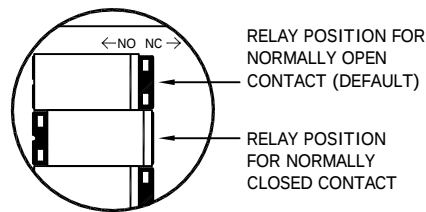
ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
1	2	3	4	5	6	7	8

NOT USED

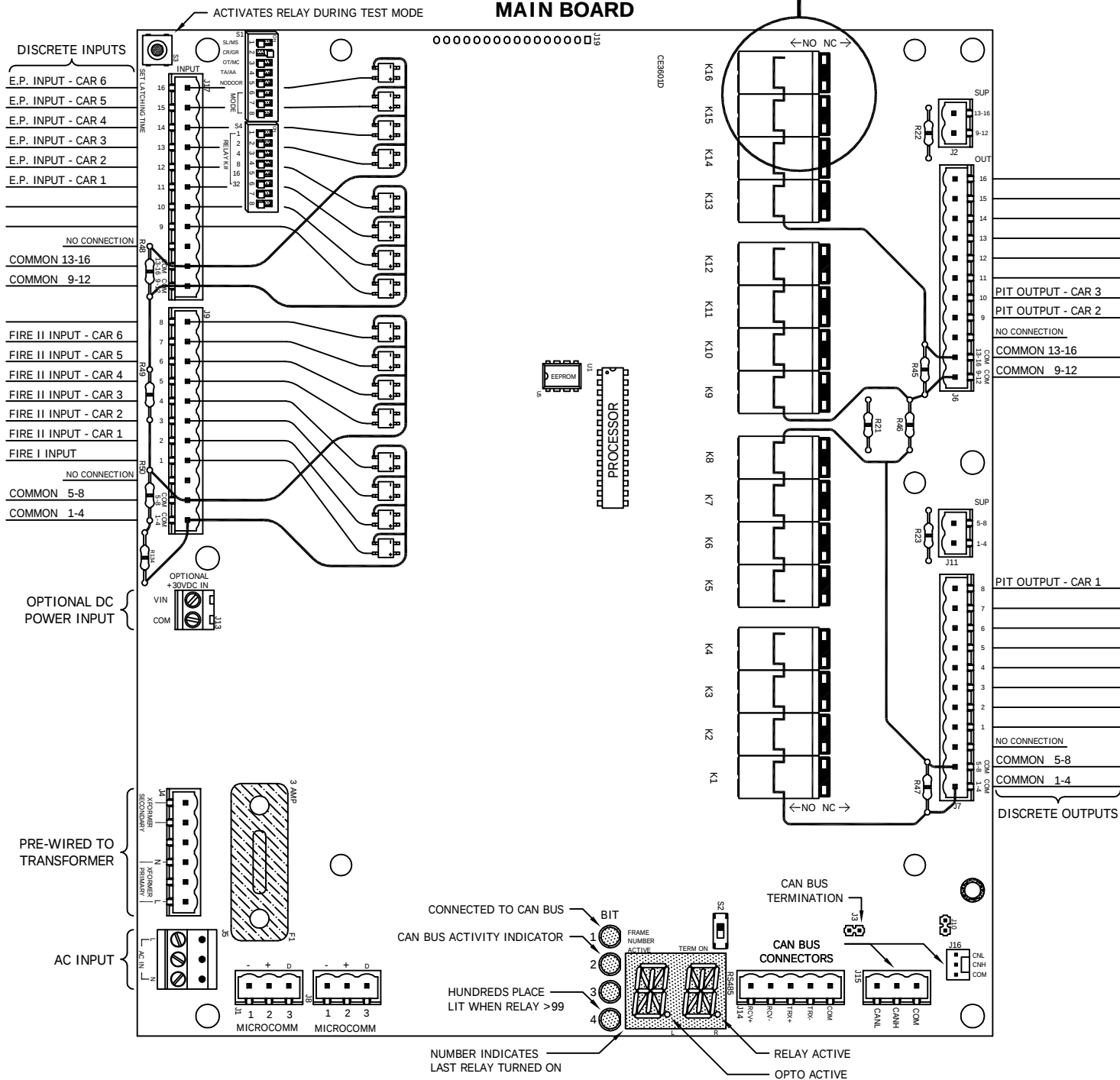
S4 DEFAULT SETTINGS

X	X	X	X	X	X	X	X
1	2	3	4	5	6	7	8

ON
OFF



MAIN BOARD



CODE VERSION _____

BOARD VERSION CE3601_____

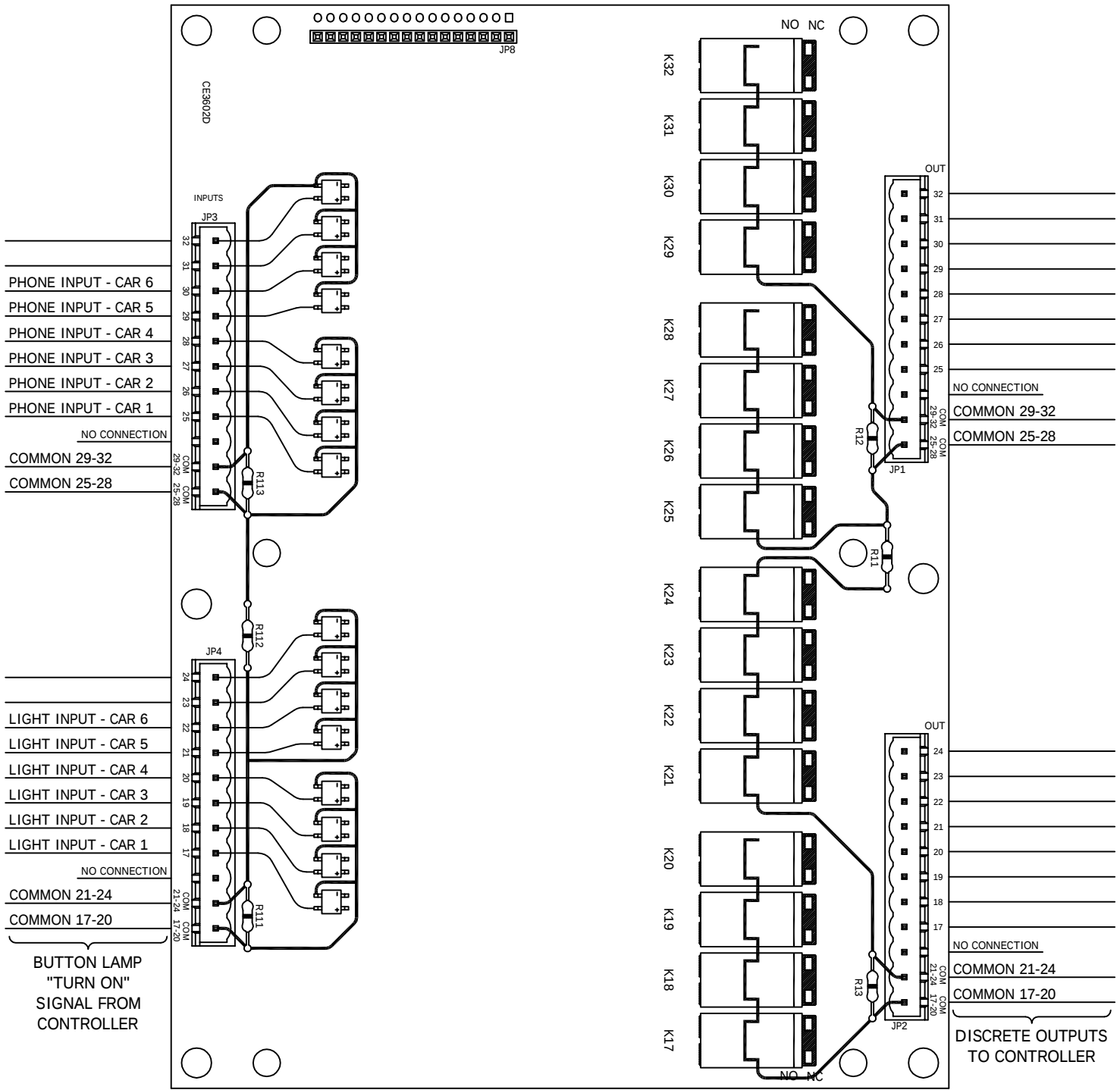
DATE DRAWN: 01/15/21	DRAWN BY: DAC	REQUESTED BY: KS	 C.E. ELECTRONICS, INC. 2107 Industrial Drive Bryan, OH 43006 (419) 636-6705
BOARD NUMBER: 3601	LAST DATE REVISED: -	APPROVED BY:	
PRODUCT ELEVATOR ALERT STATUS INDICATOR - SIX CARS			DWG. NO. EASI_14
			REV:



C.E. ELECTRONICS, INC.
2107 Industrial Drive
Bryan, OH 43506
(419) 636-6705

EASI-6

BOARD #2



BOARD VERSION CE3602

DATE DRAWN: 01/15/21	DRAWN BY: DAC	REQUESTED BY: KS	 C.E. ELECTRONICS, INC. 2107 Industrial Drive Bryan, OH 43506 (419) 636-6705
BOARD NUMBER: 3602	LAST DATE REVISED: -	APPROVED BY:	
PRODUCT ELEVATOR ALERT STATUS INDICATOR - SIX CARS	DWG. NO. EASI_15	REV: -	

EASI-8

JOB# _____

DS3	DS2	CAR COUNT
OFF	OFF	EASI-3
OFF	ON	EASI-6
ON	OFF	EASI-8

TEST MODE — 1

CAR COUNT { 2

1 to 8 3

4

5

6

7

8

S1 DEFAULT SETTINGS

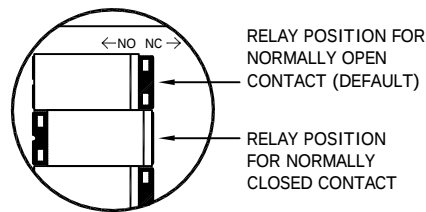
		X					
X	X		X	X	X	X	X
1	2	3	4	5	6	7	8

ON
OFF

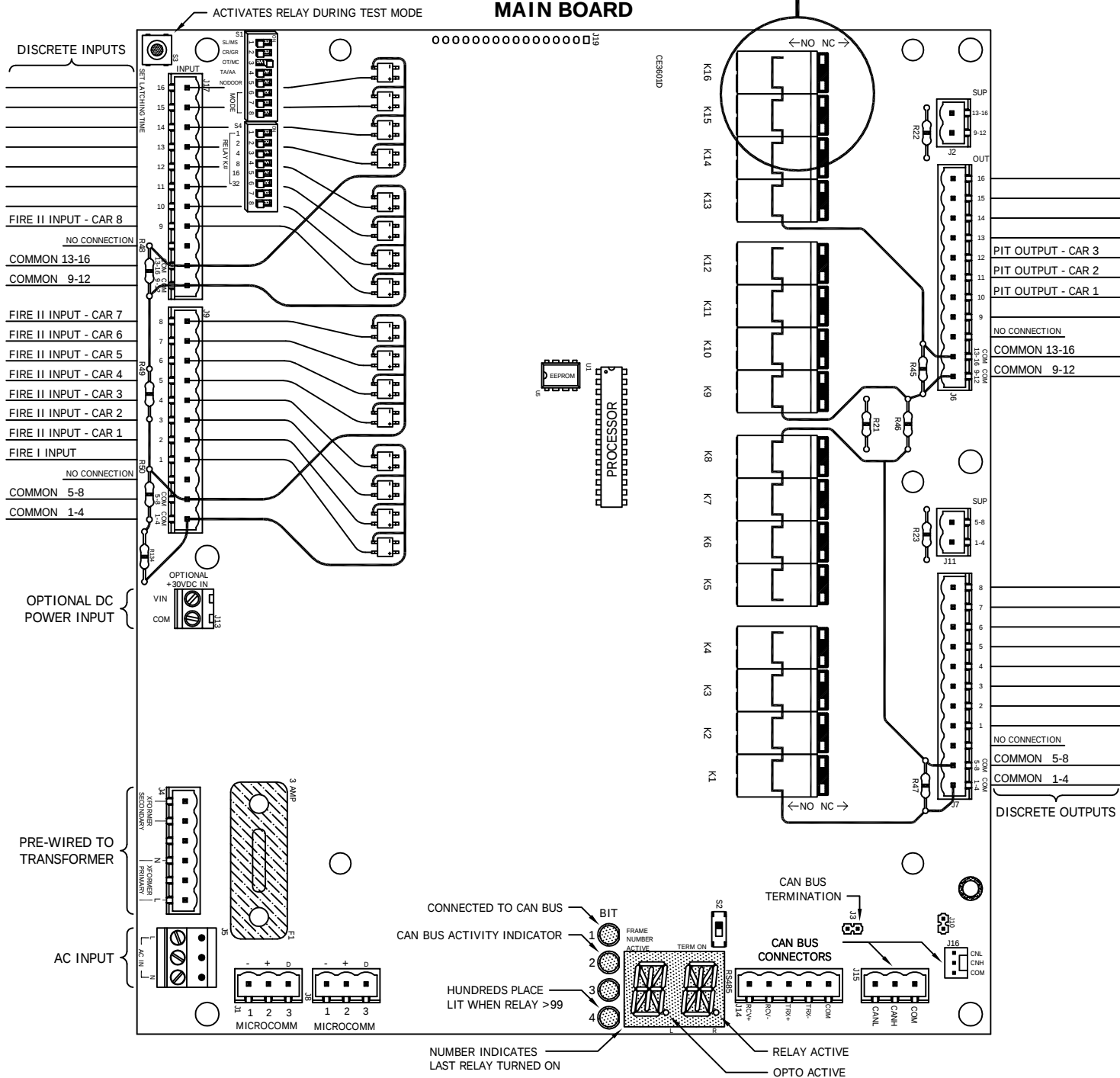
NOT USED

S4 DEFAULT SETTINGS

								ON
X	X	X	X	X	X	X	X	OFF
1	2	3	4	5	6	7	8	



MAIN BOARD



CODE VERSION _____

BOARD VERSION CE3601

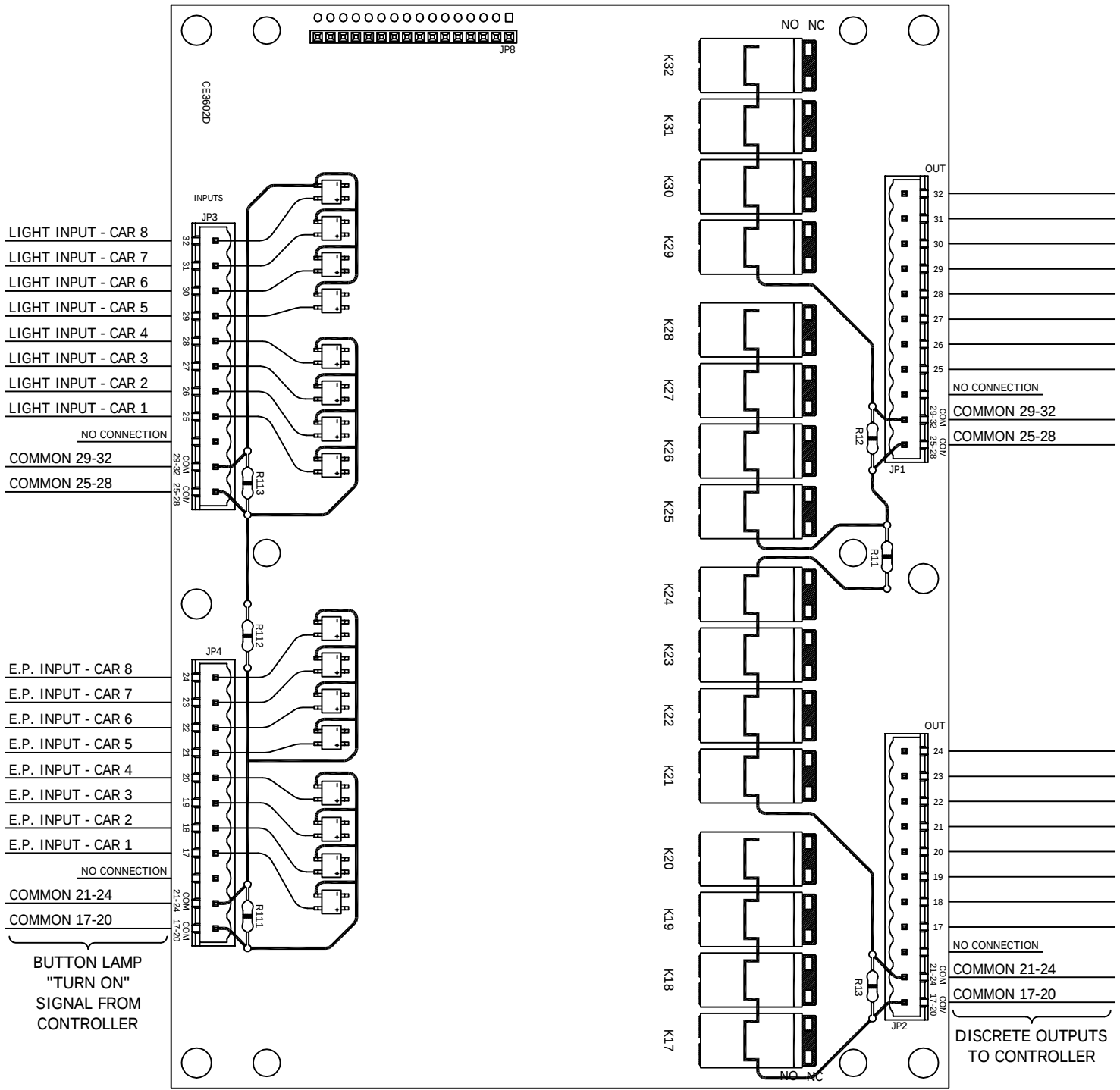
DATE DRAWN: 01/15/21	DRAWN BY: DAC	REQUESTED BY: KS	 C.E. ELECTRONICS, INC. 2107 Industrial Drive Bryan, OH 43506 (419) 636-6705
BOARD NUMBER: 3601	LAST DATE REVISED: -	APPROVED BY:	
PRODUCT ELEVATOR ALERT STATUS INDICATOR - EIGHT CARS			
DWG. NO. EASI_14			REV:



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2107 Industrial Drive
Bryan, OH 43506
(419) 636-6705

EASI-8

BOARD #2

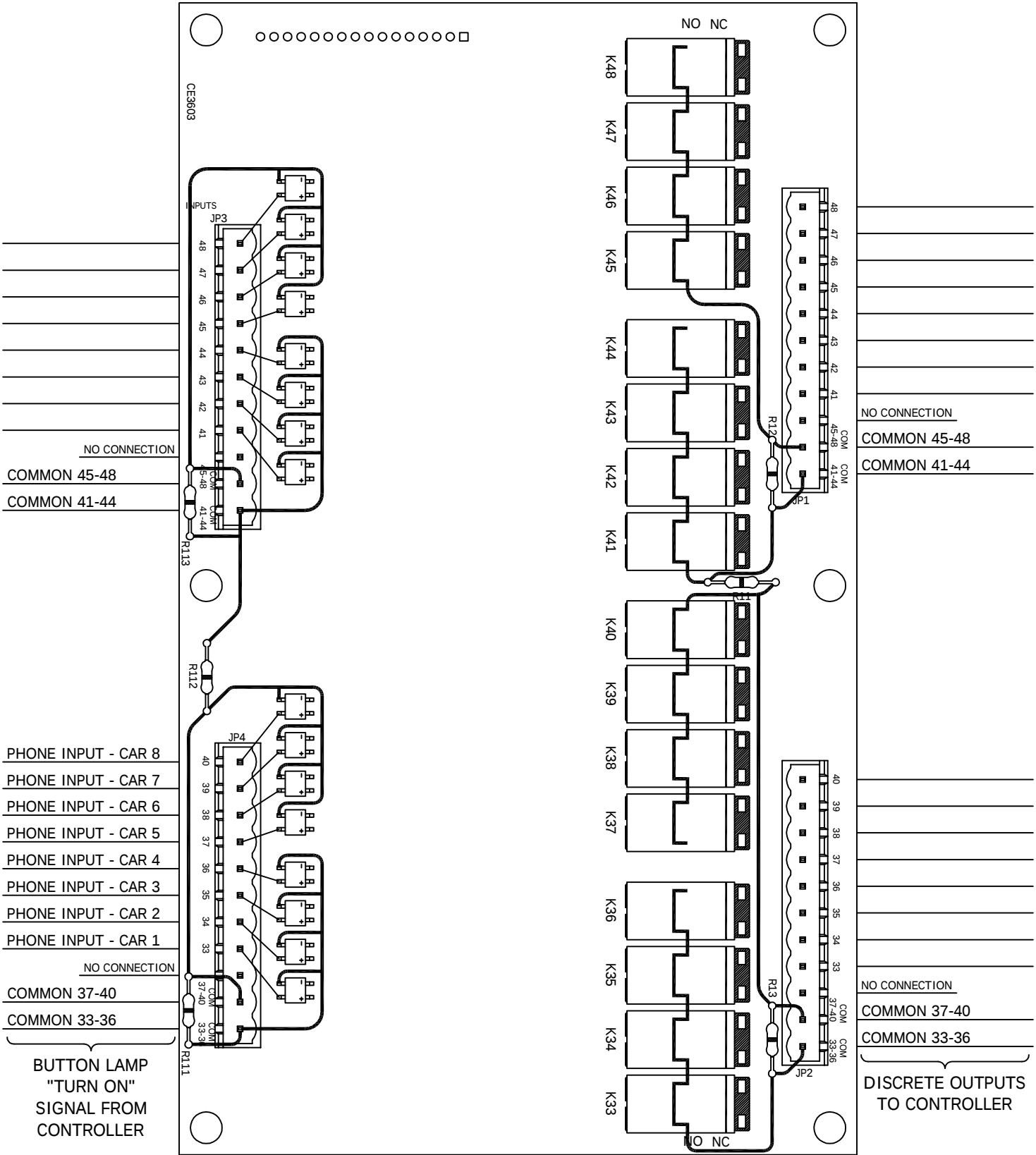


BOARD VERSION CE3602 ____

DATE DRAWN: 01/15/21	DRAWN BY: DAC	REQUESTED BY: KS		C.E. ELECTRONICS, INC. 2107 Industrial Drive Bryan, OH 43506 (419) 636-6705
BOARD NUMBER: 3602	LAST DATE REVISED: -	APPROVED BY:		
PRODUCT ELEVATOR ALERT STATUS INDICATOR - EIGHT CARS	DWG. NO. EASI_15	REV: -		

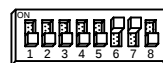
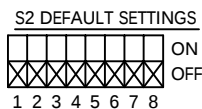
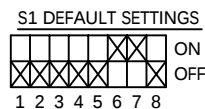
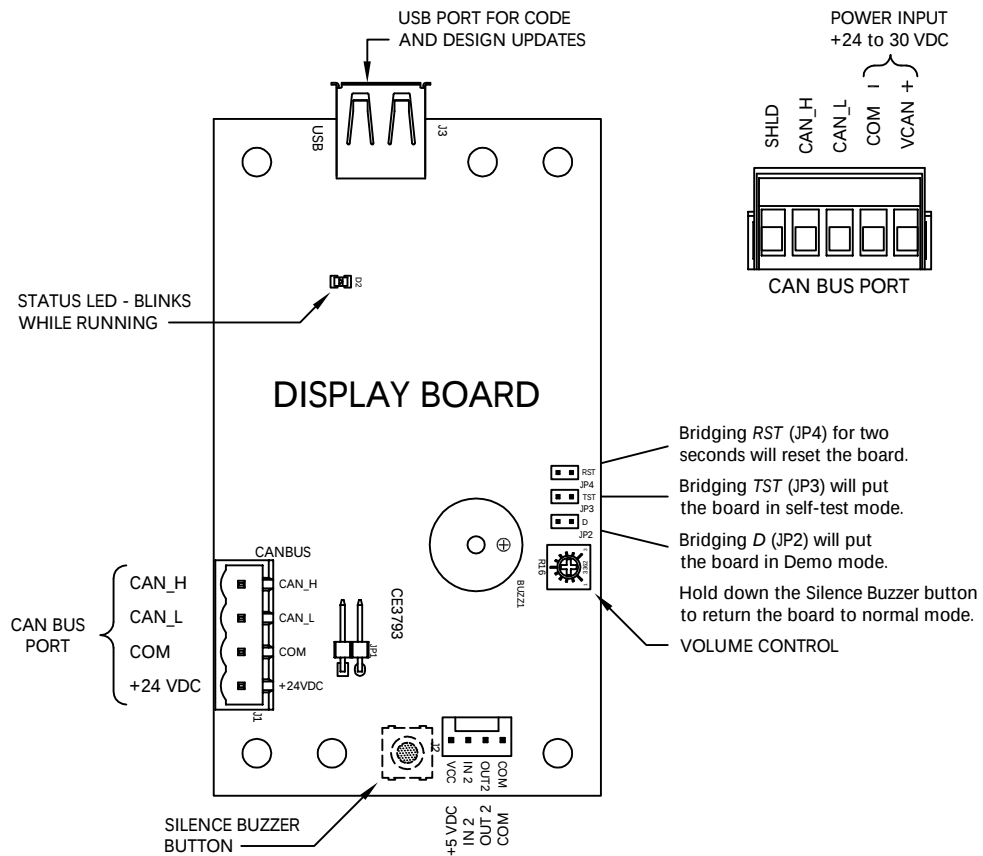
EASI-8

BOARD #3



BOARD VERSION CE3603 _____

DATE DRAWN: 01/15/21	DRAWN BY: DAC	REQUESTED BY: KS	 C.E. ELECTRONICS, INC. 2107 Industrial Drive Bryan, OH 43506 (419) 636-6705
BOARD NUMBER: 3603	LAST DATE REVISED: -	APPROVED BY:	
PRODUCT ELEVATOR ALERT STATUS INDICATOR - EIGHT CARS	DWG. NO. EASI_16		REV: -



SELF-TEST
CYCLE

TYPE

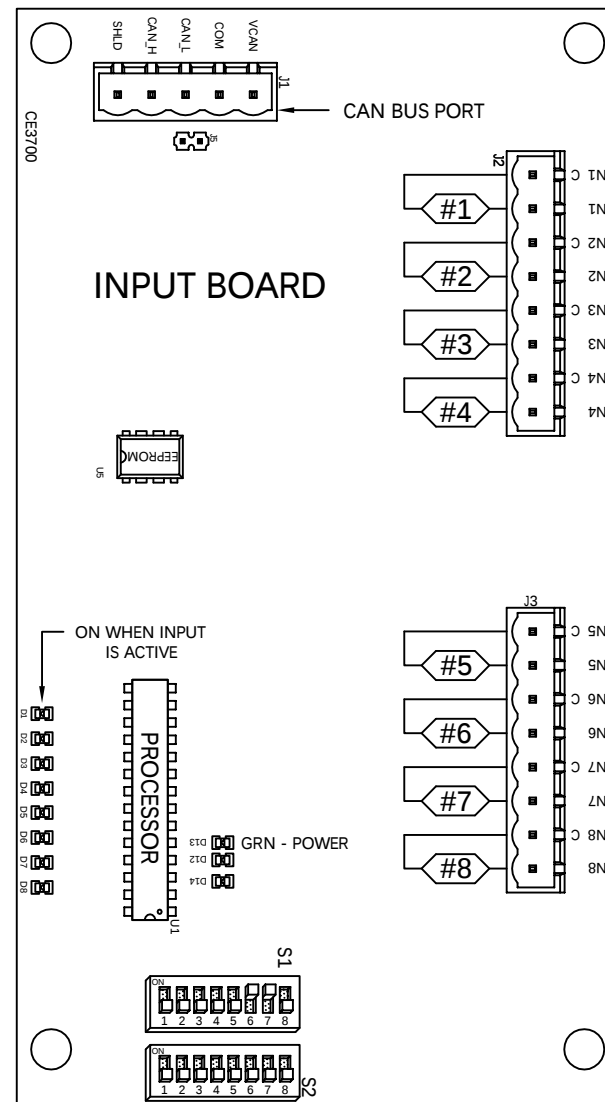
CONFIG

NOT USED



INVERT INPUTS 1-8

INPUTS ARE ACTIVE HIGH BY DEFAULT



JOB# _____

INPUTS

FIRE PHASE I

FIRE PHASE II

LIGHT SENSOR

INPUTS VOLTAGE
+24 to +120 VDC/VAC

EMERGENCY POWER

PHONE LINE SENSOR

EASI BOARD/SWITCH SETUP (SINGLE CAR SETUP)

CODE VERSION _____

CODE VERSION _____

BOARD VERSION CE3793 ____

BOARD VERSION CE3700 ____

DATE DRAWN: 09/14/16	DRAWN BY: DAC	REQUESTED BY: KS		C.E. ELECTRONICS, INC. 2107 Industrial Drive Bryan, OH 43506 (419) 636-6705
BOARD NUMBER: 3700, 3793	LAST DATE REVISED: 12/04/18	APPROVED BY:		
PRODUCT ELEVATOR ALERT STATUS INDICATOR SETUP	DWG. NO. EASI_01	REV. D		

INPUTS

FIRE PHASE I

INPUTS VOLTAGE
+24 to +120 VDC/VAC

DISPLAY BOARD

STATUS LED - BLINKS
WHILE RUNNING

CAN BUS PORT
CAN_H
CAN_L
COM
+24 VDC

SILENCE BUZZER
BUTTON

Bridging RST (JP4) for two
seconds will reset the board.
Bridging TST (JP3) will put
the board in self-test mode.
Bridging D (JP2) will put
the board in Demo mode.
Hold down the Silence Buzzer button
to return the board to normal mode.
VOLUME CONTROL

INPUTS

FIRE PHASE II - CAR 1

FIRE PHASE II - CAR 2

LIGHT SENSOR - CAR 1

LIGHT SENSOR - CAR 2

INPUTS VOLTAGE
+24 to +120 VDC/VAC

EMERGENCY POWER - CAR 1

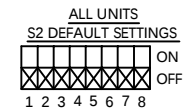
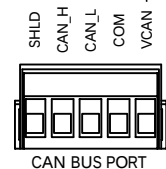
EMERGENCY POWER - CAR 2

PHONE LINE SENSOR - CAR 1

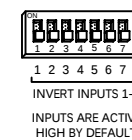
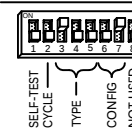
PHONE LINE SENSOR - CAR 2

JOB# _____

POWER INPUT
+24 to 30 VDC



ALL UNITS S1 SWITCH FUNCTIONS



CODE VERSION _____

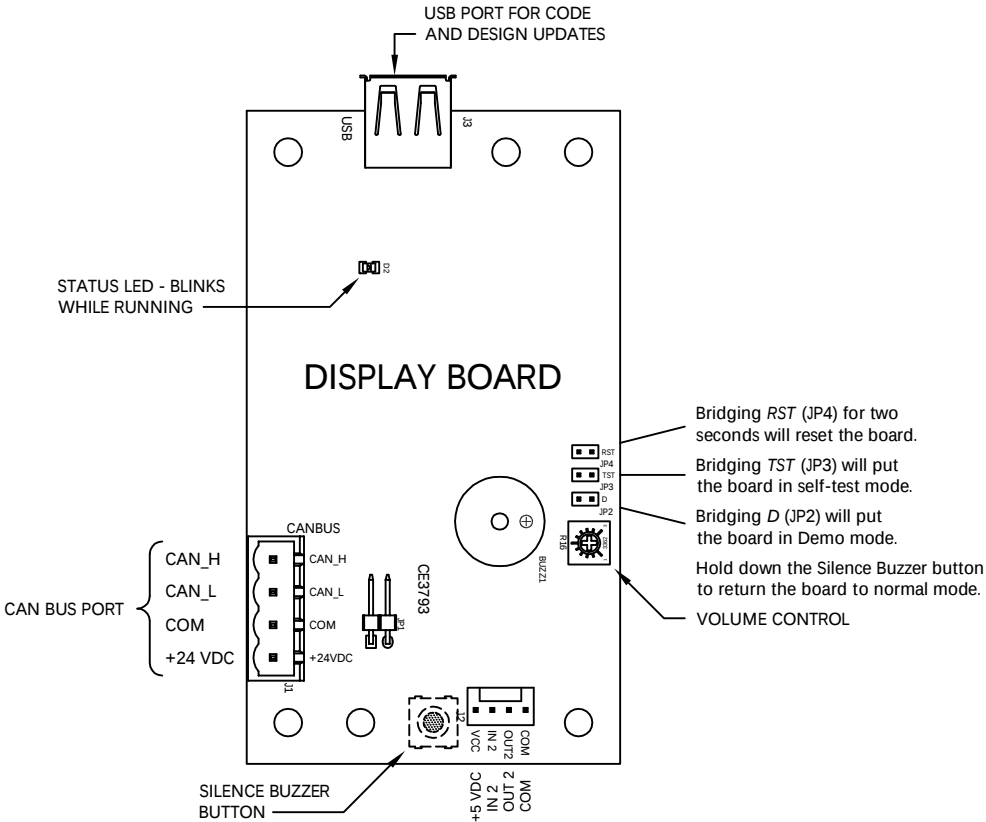
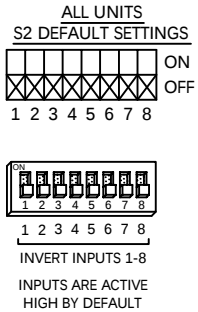
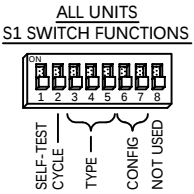
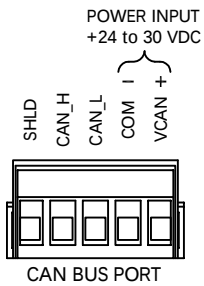
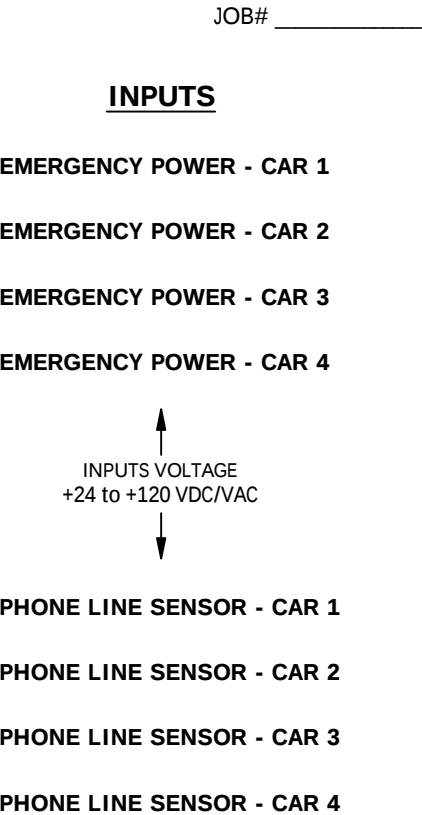
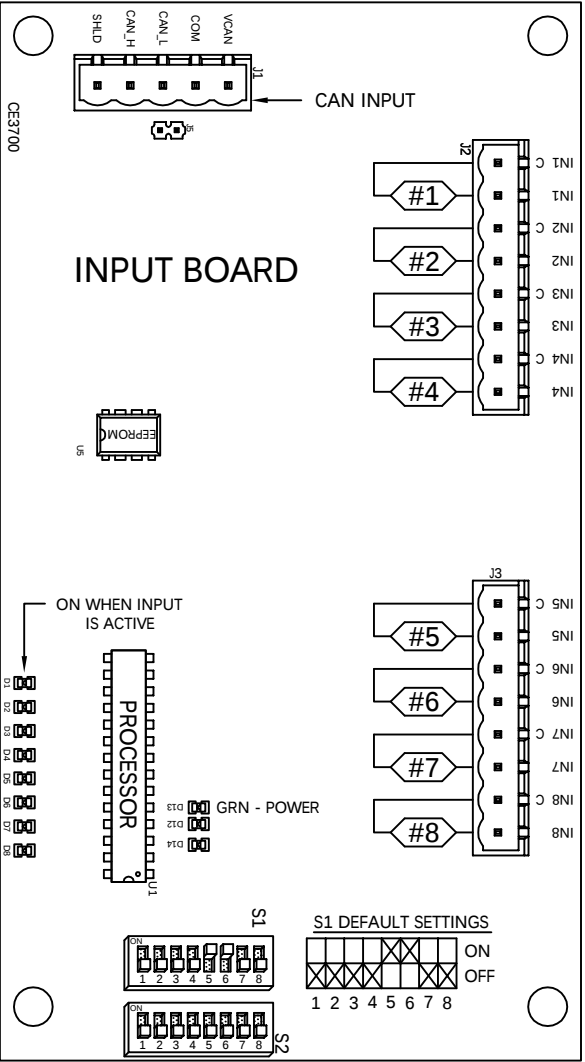
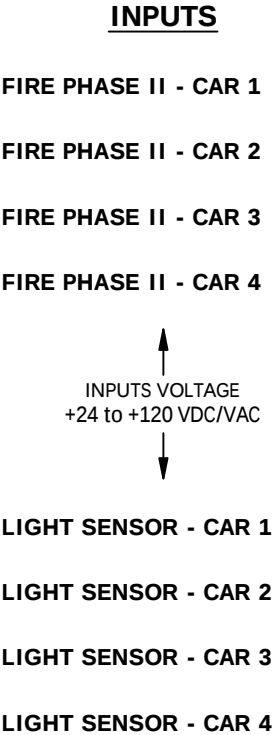
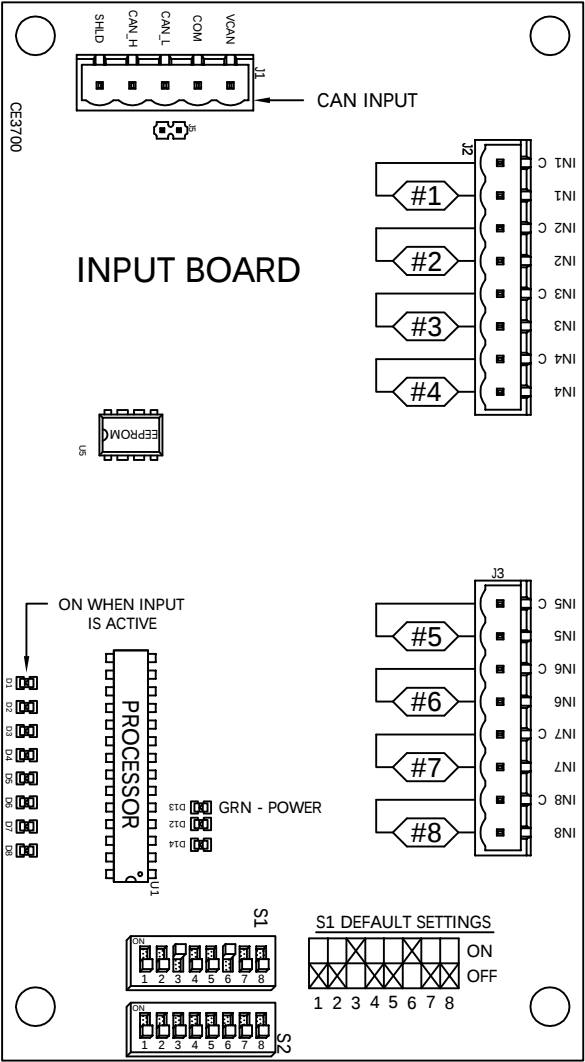
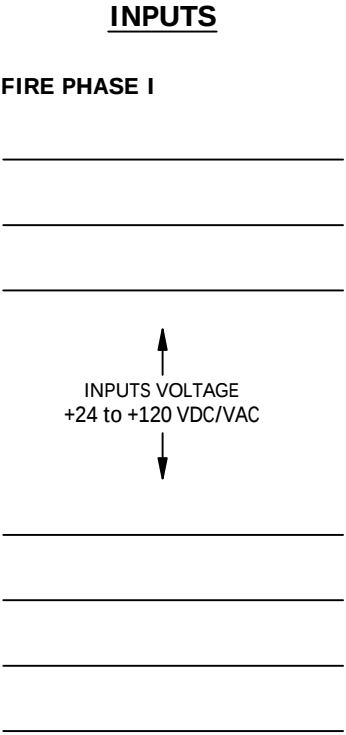
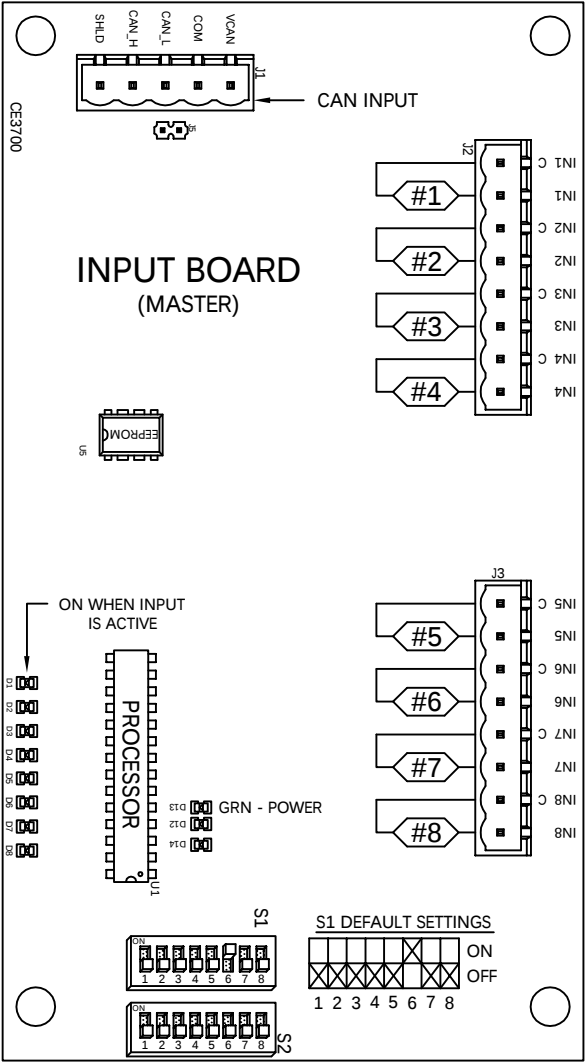
BOARD VERSION CE3793 ____

CODE VERSION _____

BOARD VERSION CE3700 ____

EASI BOARD/SWITCH SETUP (TWO-CAR BANK SETUP)

DATE DRAWN: 09/14/16	DRAWN BY: DAC	REQUESTED BY: KS		C.E. ELECTRONICS, INC. 2107 Industrial Drive Bryan, OH 43506 (419) 636-6705
BOARD NUMBER: 3700, 3793	LAST DATE REVISED: 12/04/18	APPROVED BY:		
PRODUCT ELEV ALERT STATUS INDICATOR SETUP FOR TWO CARS			DWG. NO. EASI 02	REV. D



EASI BOARD/SWITCH SETUP (FOUR-CAR BANK SETUP)

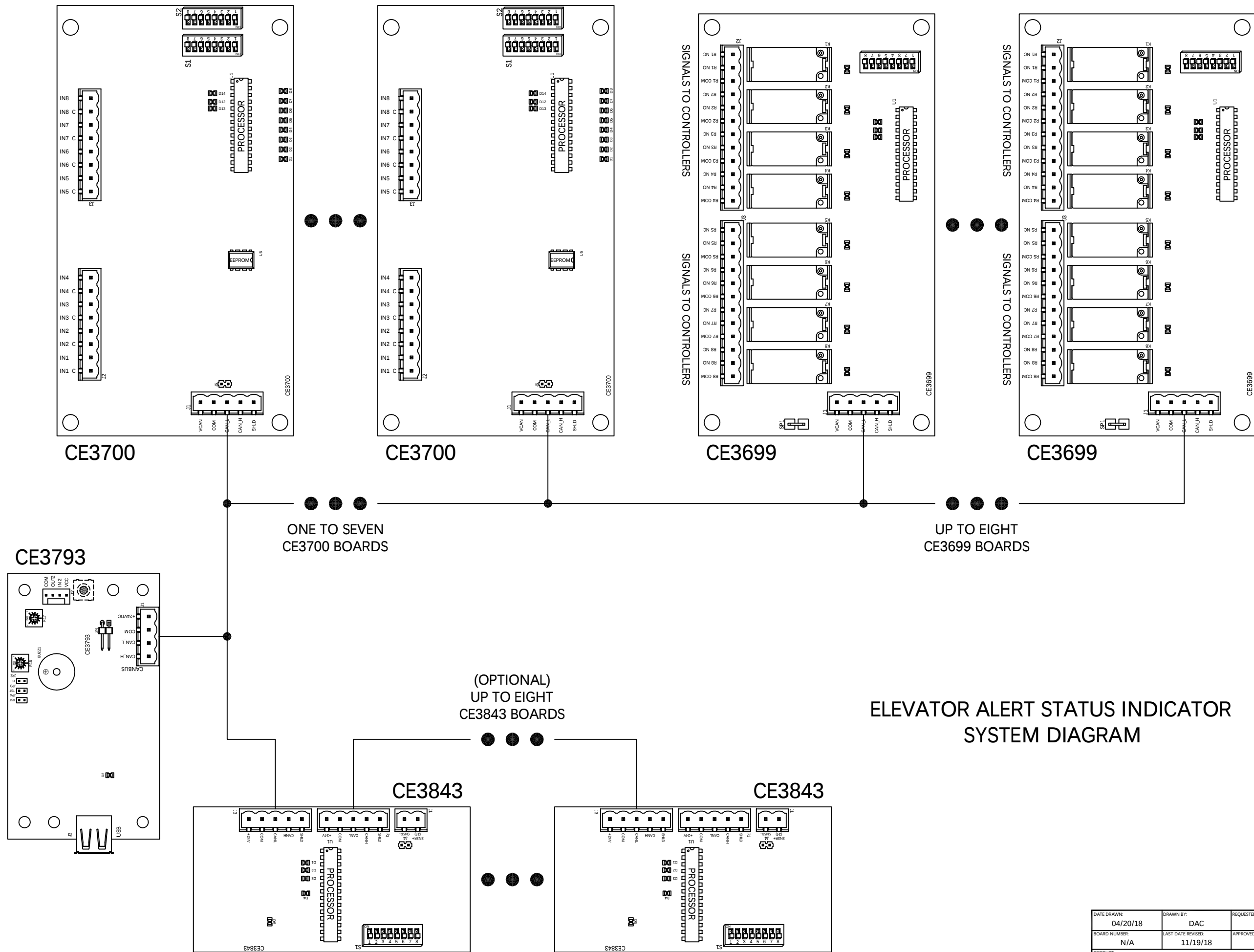
CODE VERSION _____

BOARD VERSION CE3793 ____

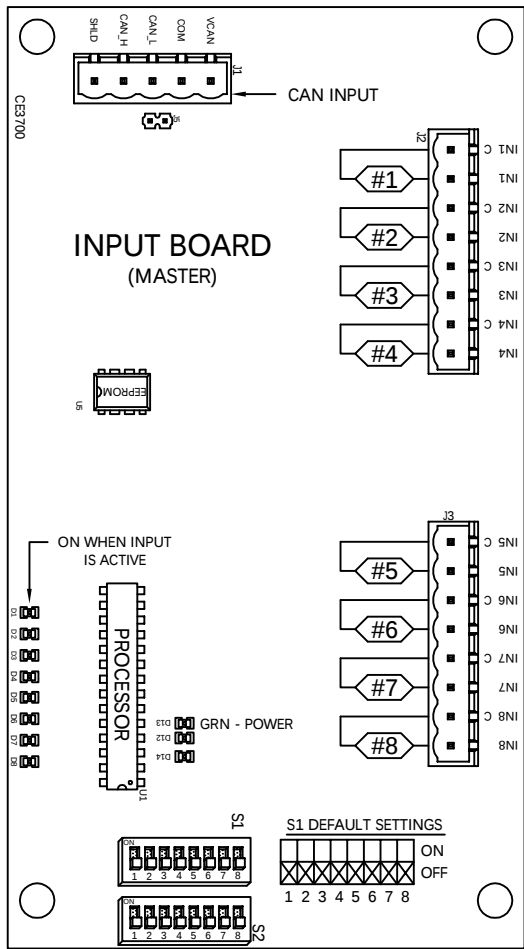
CODE VERSION _____

BOARD VERSION CE3700 ____

DATE DRAWN: 09/15/16	DRAWN BY: DAC	REQUESTED BY: KS	 C.E. ELECTRONICS, INC. 2107 Industrial Drive Bryan, OH 43506 (419) 636-6705
BOARD NUMBER: 3700, 3793	LAST DATE REVISED: 12/04/18	APPROVED BY:	
PRODUCT ELEV ALERT STATUS INDICATOR SETUP - 4-CAR BANK	DWG. NO. EASI_03	REV. D	



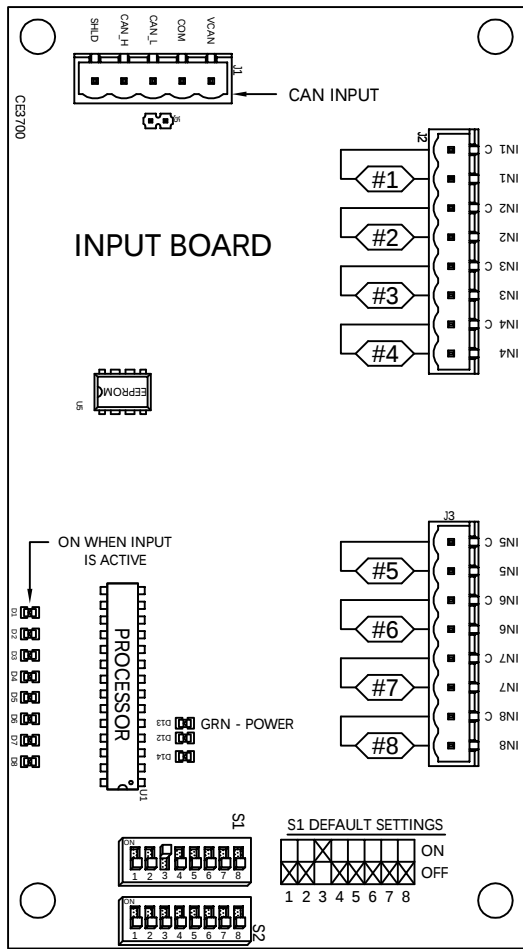
ELEVATOR ALERT STATUS INDICATOR
SYSTEM DIAGRAM



INPUTS

FIRE PHASE I

INPUTS VOLTAGE
+24 to +120 VDC/VAC

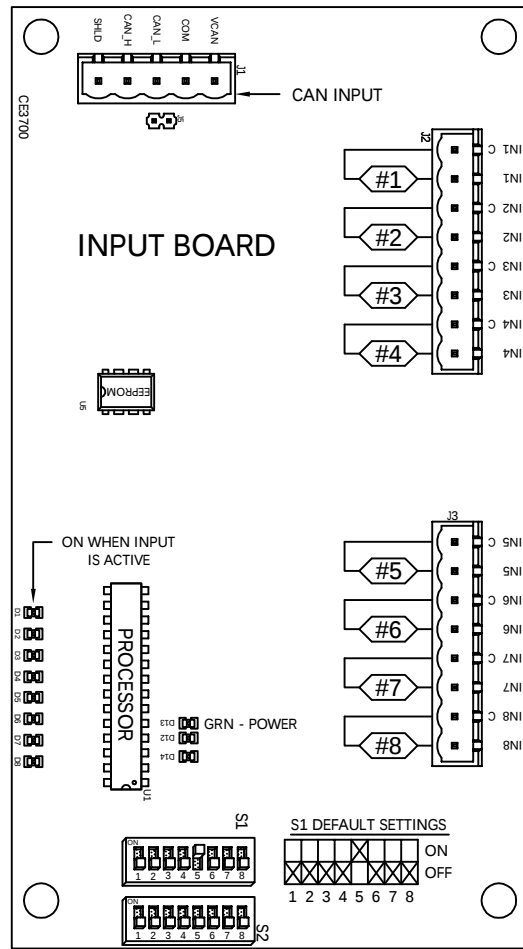


INPUTS

FIRE PHASE II - CAR 1
FIRE PHASE II - CAR 2
FIRE PHASE II - CAR 3
FIRE PHASE II - CAR 4

INPUTS VOLTAGE
+24 to +120 VDC/VAC

FIRE PHASE II - CAR 5
FIRE PHASE II - CAR 6
FIRE PHASE II - CAR 7
FIRE PHASE II - CAR 8

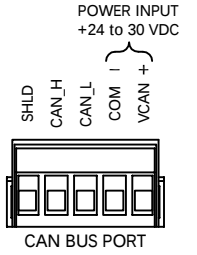


INPUTS

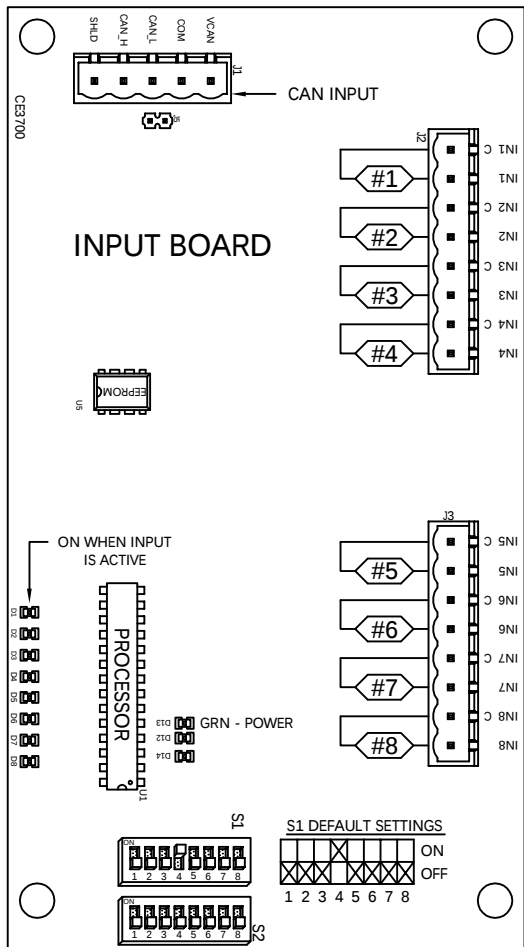
EMERGENCY POWER - CAR 1
EMERGENCY POWER - CAR 2
EMERGENCY POWER - CAR 3
EMERGENCY POWER - CAR 4

INPUTS VOLTAGE
+24 to +120 VDC/VAC

EMERGENCY POWER - CAR 5
EMERGENCY POWER - CAR 6
EMERGENCY POWER - CAR 7
EMERGENCY POWER - CAR 8



JOB# _____

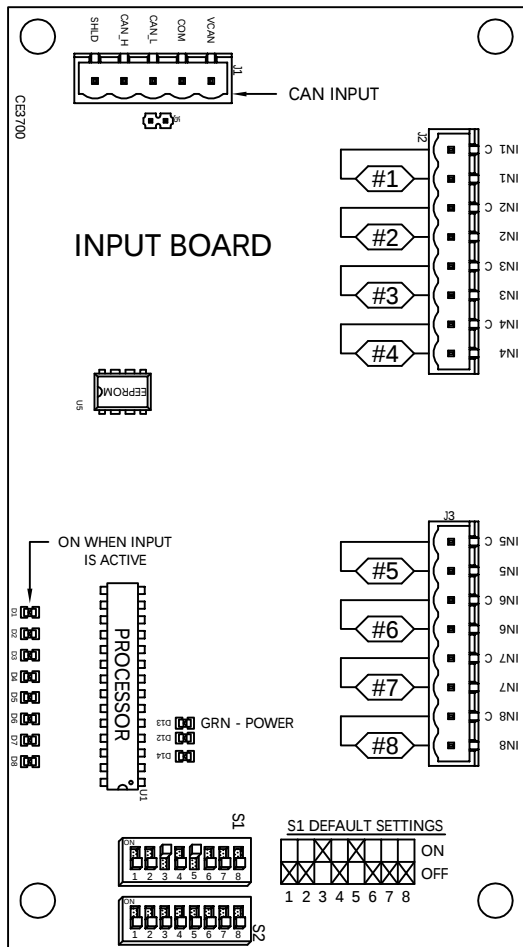


INPUTS

LIGHT SENSOR - CAR 1
LIGHT SENSOR - CAR 2
LIGHT SENSOR - CAR 3
LIGHT SENSOR - CAR 4

INPUTS VOLTAGE
+24 to +120 VDC/VAC

LIGHT SENSOR - CAR 5
LIGHT SENSOR - CAR 6
LIGHT SENSOR - CAR 7
LIGHT SENSOR - CAR 8

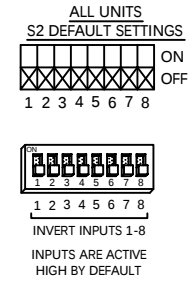
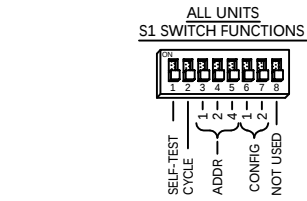
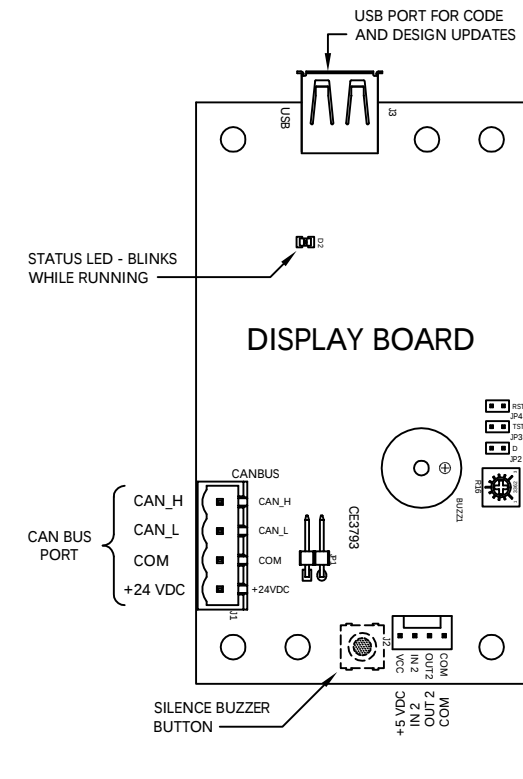


INPUTS

PHONE LINE SENSOR - CAR 1
PHONE LINE SENSOR - CAR 2
PHONE LINE SENSOR - CAR 3
PHONE LINE SENSOR - CAR 4

INPUTS VOLTAGE
+24 to +120 VDC/VAC

PHONE LINE SENSOR - CAR 5
PHONE LINE SENSOR - CAR 6
PHONE LINE SENSOR - CAR 7
PHONE LINE SENSOR - CAR 8



EASI BOARD/SWITCH SETUP (EIGHT-CAR BANK)

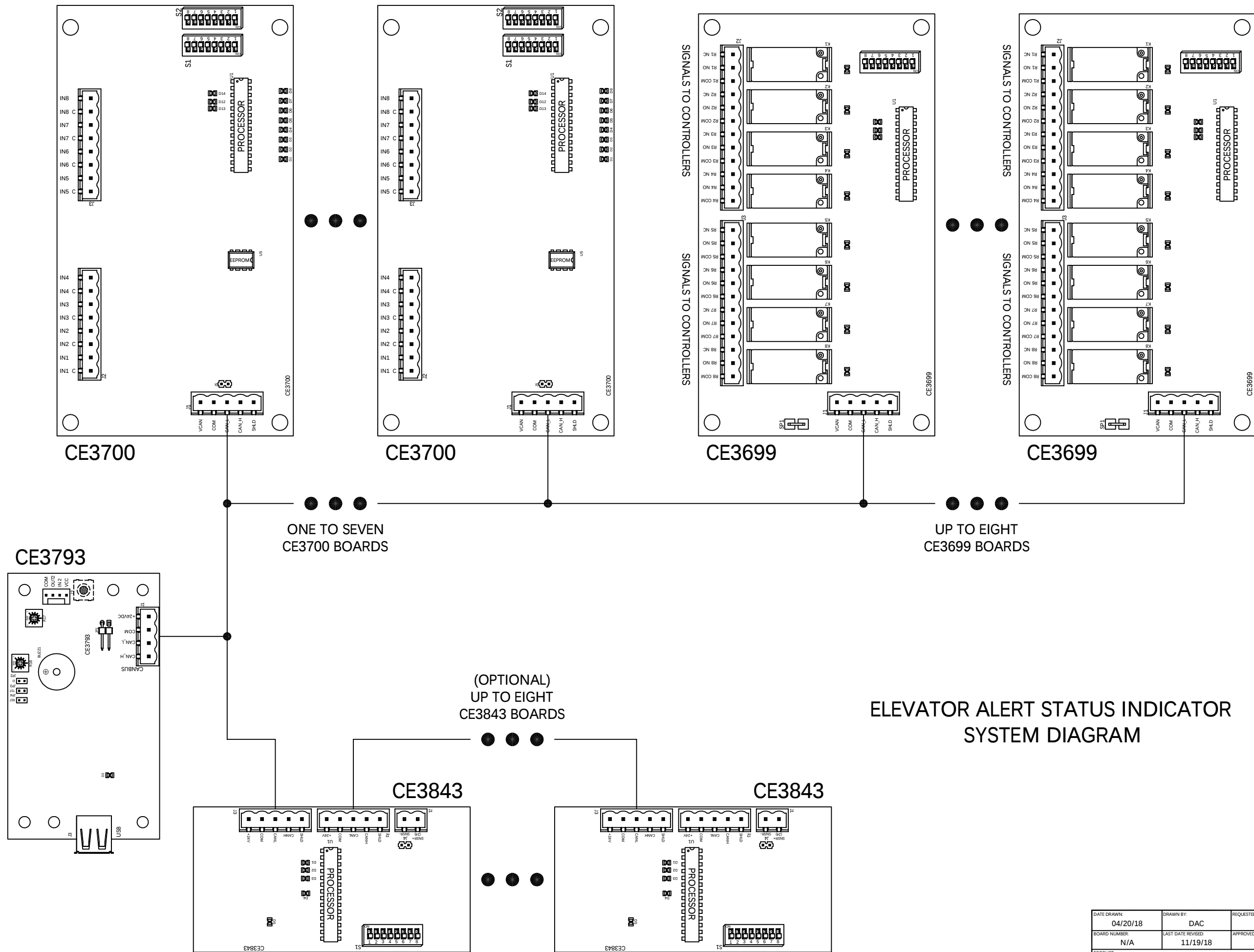
CODE VERSION _____

BOARD VERSION CE3700 ____

CODE VERSION _____

BOARD VERSION CE3793 ____

DATE DRAWN: 09/15/16	DRAWN BY: DAC	REQUESTED BY: KS		C.E. ELECTRONICS, INC. 2107 Industrial Drive Bryan, OH 43506 (419) 636-6705
BOARD NUMBER: 3700, 3793	LAST DATE REVISED: 12/04/18	APPROVED BY:		
PRODUCT: ELEV ALERT STATUS INDICATOR SETUP - 8-CAR BANK	DWG. NO. EASI_04	REV. D		



DATE DRAWN: 04/20/18	DRAWN BY: DAC	REQUESTED BY: KS	 C.E. ELECTRONICS, INC. 2107 Industrial Drive Bryan, OH 43506 (419) 636-6705
BOARD NUMBER: N/A	LAST DATE REVISED: 11/19/18	APPROVED BY:	
PRODUCT: ELEVATOR ALERT STATUS INDICATOR SYSTEM DIAGRAM	DWG. NO. EASI_System_01	REV. A	

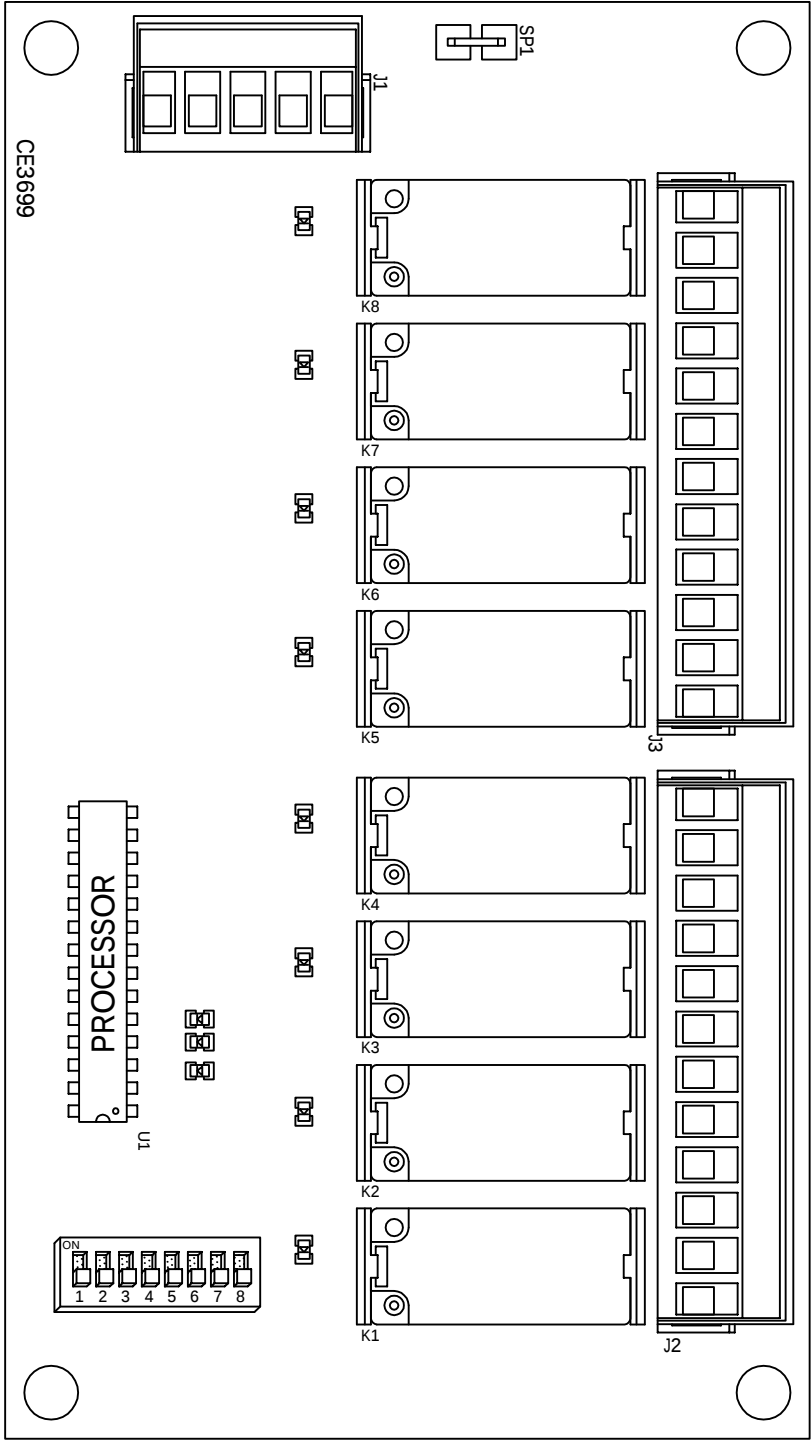
EASI OUTPUT BOARD

JOB# _____

+24 to 30 VDC
SHIELD
CAN H
CAN L
COM
VIN

CODE VERSION _____

BOARD VERSION CE3699 ____



R8 COM	_____	CAR 8
R8 NO	_____	
R8 NC	_____	
R7 COM	_____	CAR 7
R7 NO	_____	
R7 NC	_____	
R6 COM	_____	CAR 6
R6 NO	_____	
R6 NC	_____	
R5 COM	_____	CAR 5
R5 NO	_____	
R5 NC	_____	
R4 COM	_____	CAR 4
R4 NO	_____	
R4 NC	_____	
R3 COM	_____	CAR 3
R3 NO	_____	
R3 NC	_____	
R2 COM	_____	CAR 2
R2 NO	_____	
R2 NC	_____	
R1 COM	_____	CAR 1
R1 NO	_____	
R1 NC	_____	

DEFAULT SETTINGS

☒	☒	☐	☐	☐	☐	☒	☒
1	2	3	4	5	6	7	8

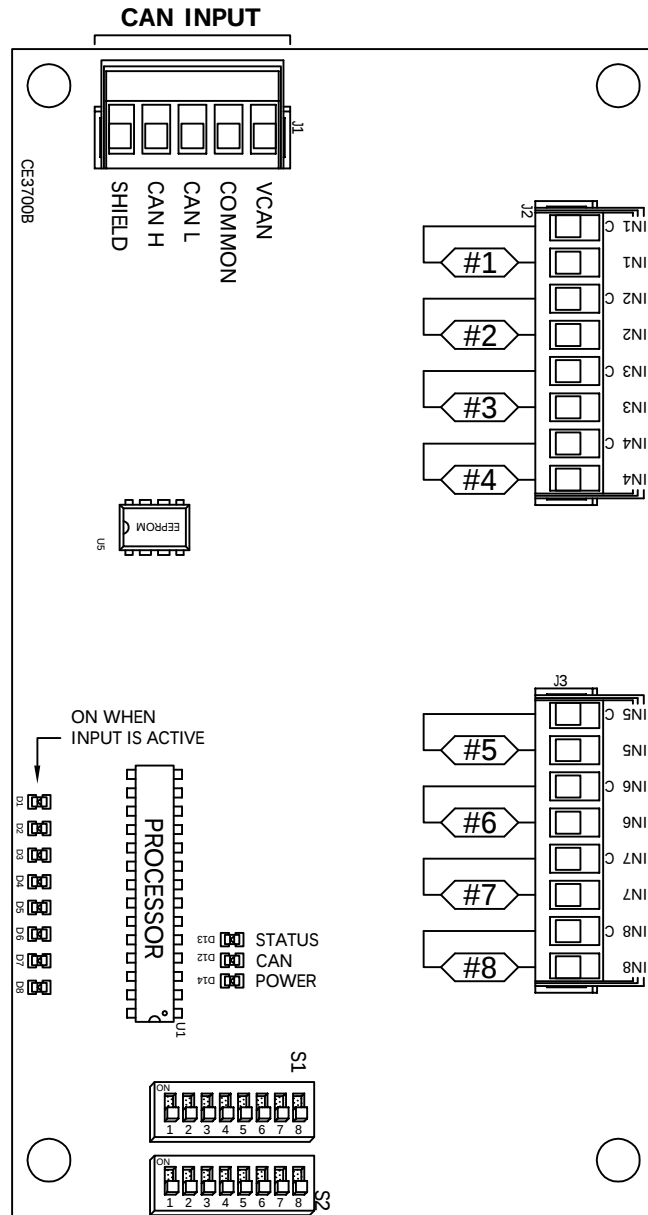
ON
OFF

TEST DIS TYPE = _____

DATE DRAWN: 04/18/18	DRAWN BY: DAC	REQUESTED BY: KS	 C.E. ELECTRONICS, INC. 2107 Industrial Drive Bryan, OH 43506 (419) 636-6705
BOARD NUMBER: 3699	LAST DATE REVISED: 12/04/18	APPROVED BY:	
PRODUCT ELEVATOR ALERT STATUS INDICATOR OUTPUT BOARD	DWG. NO. EASI_3699_01	REV: B	

EASI INPUT BOARD

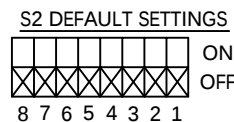
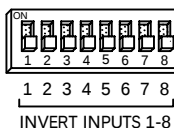
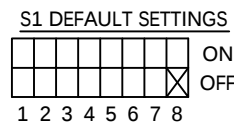
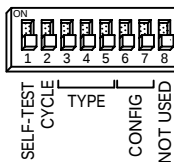
JOB# _____



Input Voltage required is +24 to +120 VDC/VAC

IN 1 COM
IN 1
IN 2 COM
IN 2
IN 3 COM
IN 3
IN 4 COM
IN 4

IN 5 COM
IN 5
IN 6 COM
IN 6
IN 7 COM
IN 7
IN 8 COM
IN 8



S1 DIP Switch Functions

Test Mode (DS1)

LEDs D1 - D8 cycle through one at a time (verify LED function)
LED D13 toggles with every DIP switch change (verify DIP switch function)
LED D13 toggles with every discrete input change (verify inputs function)

CYCLE (DS2)

OFF = Multiple alerts will not cycle if FIRE is active
ON = Multiple alerts will continue to cycle when FIRE is active

TYPE (DS3/DS4/DS5)

DS5	DS4	DS3	FUNCTION
OFF	OFF	OFF	MASTER MODE
OFF	OFF	ON	FIRE PHASE II
OFF	ON	OFF	LIGHTS
OFF	ON	ON	PIT (USUALLY NOT USED)
ON	OFF	OFF	EMERGENCY POWER
ON	OFF	ON	PHONE LINE
ON	ON	OFF	UNDEFINED
ON	ON	ON	UNDEFINED

CONFIG (DS6/DS7)

DS7	DS6	MASTER MODE	AUXILIARY MODE
OFF	OFF	GROUP SETUP	8-CAR GROUP
OFF	ON	--	4-CAR GROUP
ON	OFF	--	2-CAR GROUP
ON	ON	SINGLE CAR GROUP	--

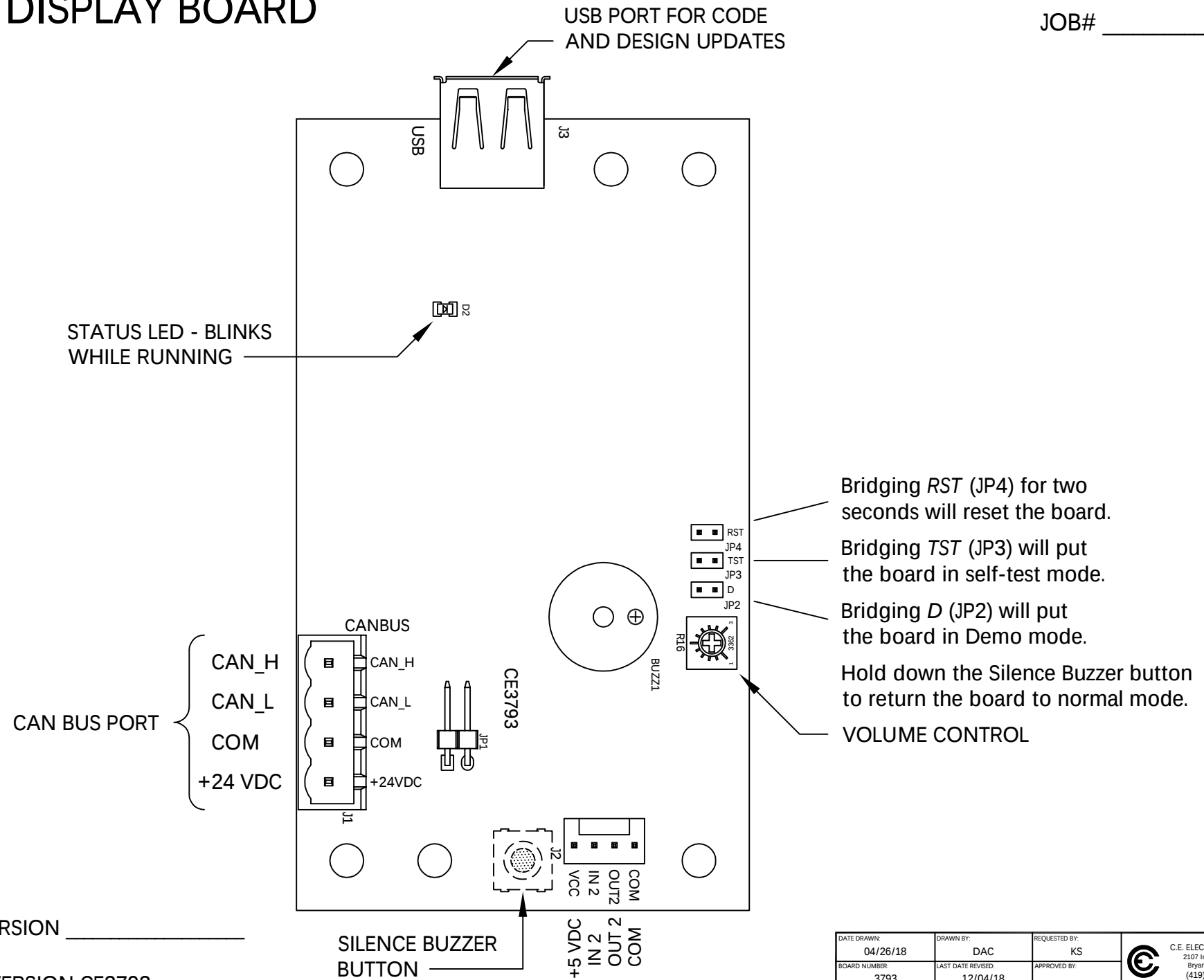
CODE VERSION _____

BOARD VERSION CE3700 **B**

DATE DRAWN: 04/09/18	DRAWN BY: DAC	REQUESTED BY: KS	C.E. ELECTRONICS, INC. 2107 Industrial Drive Bryan, OH 43506 (419) 636-6705
BOARD NUMBER: 3700	LAST DATE REVISED: 11/21/18	APPROVED BY:	
PRODUCT ELEVATOR ALERT STATUS INDICATOR INPUT BOARD	DWG. NO. EASI_3700_01	REV. A	

EASI DISPLAY BOARD

JOB# _____



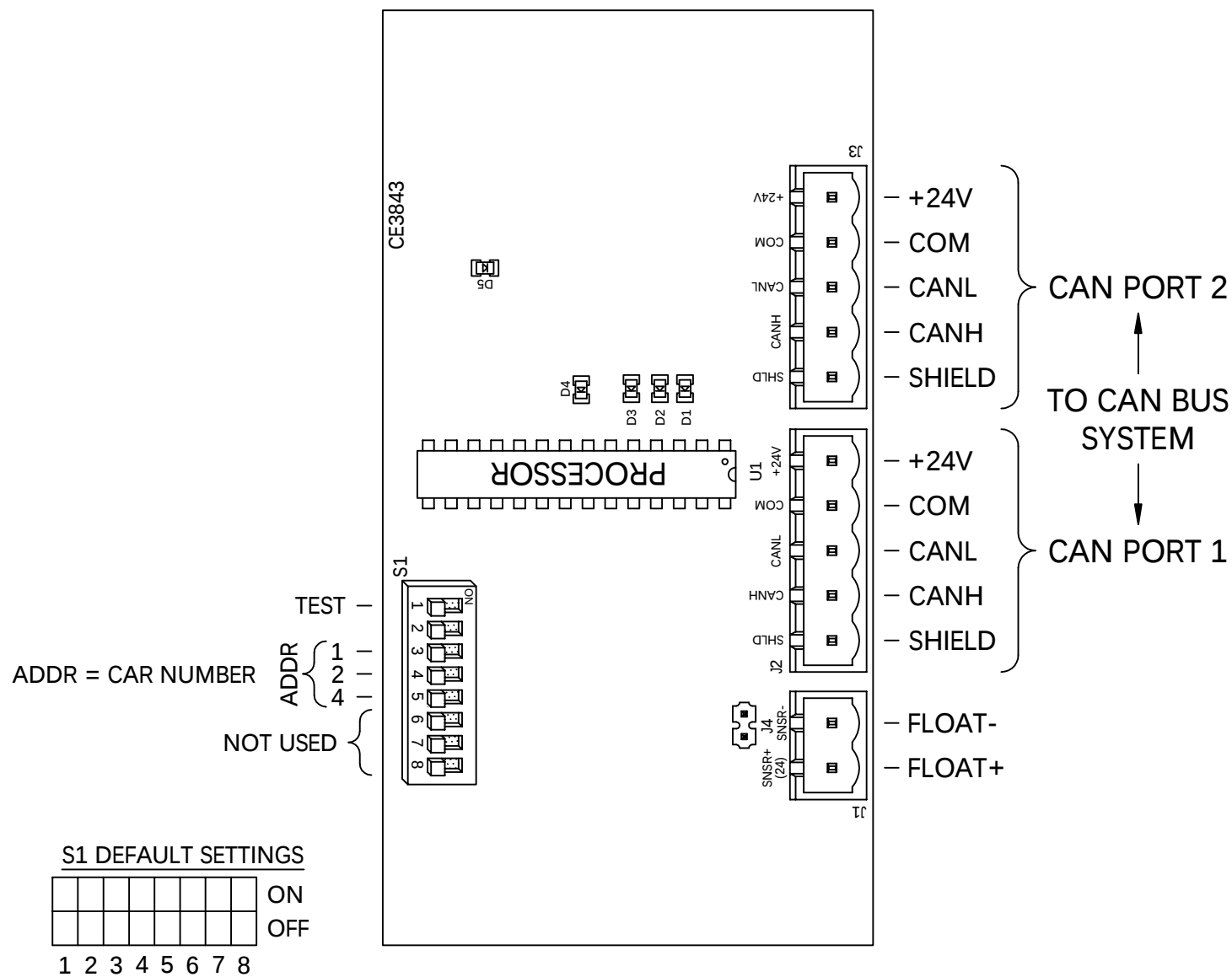
CODE VERSION _____

BOARD VERSION CE3793 ____

DATE DRAWN: 04/26/18	DRAWN BY: DAC	REQUESTED BY: KS	 C.E. ELECTRONICS, INC. 2107 Industrial Drive Bryan, OH 43506 (419) 636-6705
BOARD NUMBER 3793	LAST DATE REVISED: 12/04/18	APPROVED BY:	
PRODUCT ELEVATOR ALERT STATUS INDICATOR DISPLAY BOARD			
DWG. NO. EASI 3793 01			REV: B

EASI PIT SENSOR BOARD

JOB# _____



CODE VERSION _____

BOARD VERSION CE3843 ____

DATE DRAWN: 04/18/18	DRAWN BY: DAC	REQUESTED BY: KS	 C.E. ELECTRONICS, INC. 2107 Industrial Drive Bryan, OH 43506 (419) 636-6705
BOARD NUMBER: 3843	LAST DATE REVISED: 12/04/18	APPROVED BY:	
PRODUCT ELEV ALERT STATUS INDICATOR PIT SENSOR BOARD			
DWG. NO. EASI 3843 01			REV. B