

EX150-CX2 15 inch ELITE PI® PRO



ELITE PI® PRO

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The MICRO COMM® Elite PI® PRO is the most flexible position indicator available. With the Elite PI® Designer software, you can PROgram your own position indicator by customizing background colors and logos, messages, and arrow styles. This system offers full network support with our ENET, giving you the ability to PROgram the screen from any computer in the building. In addition to design flexibility, the MICRO COMM® Elite PI® PRO can display floor, priority, and time-based messages.

TYPICAL APPLICATIONS:

- Car operating panel
- Car transom
- Lobby

FEATURES:

- Fully customizable and PROgrammable
- Elite PI® software
- Streaming video capabilities with an HDINT video encoder
- Passing chime output
- Self testing
- Low profile
- Multi-car capabilities for hallway use
- MICRO COMM serial link input



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

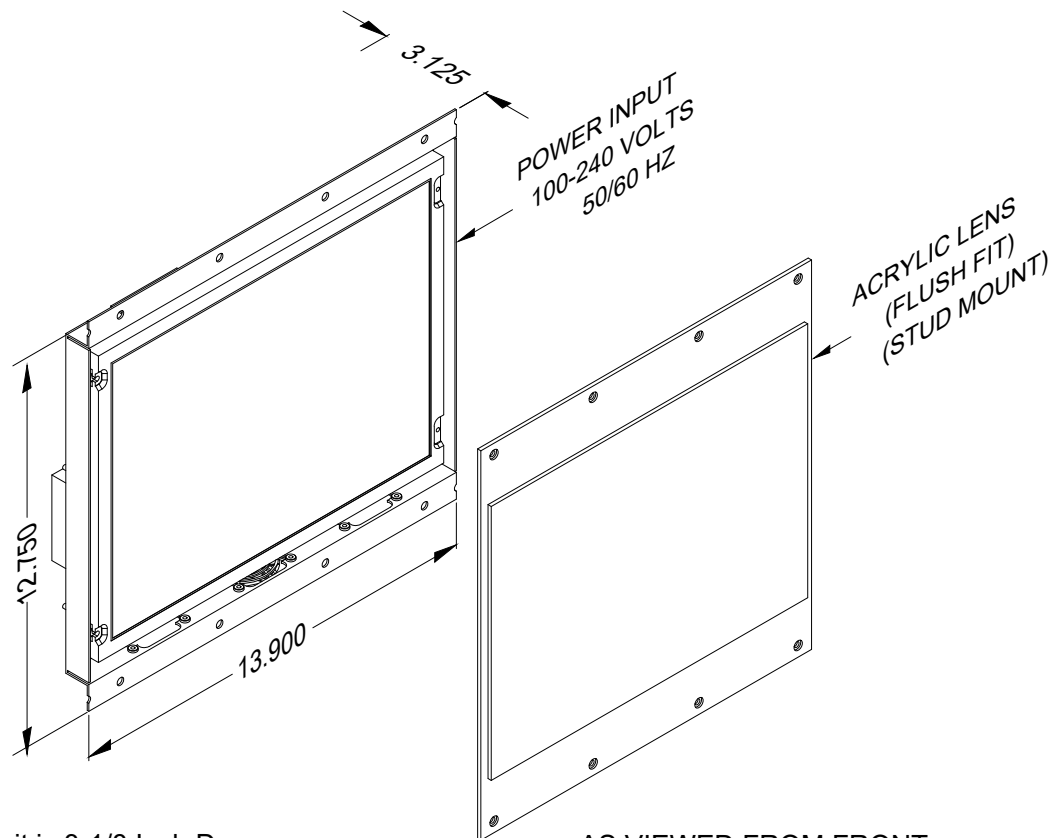


C.E. Electronics, Inc.
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EX150-CX2

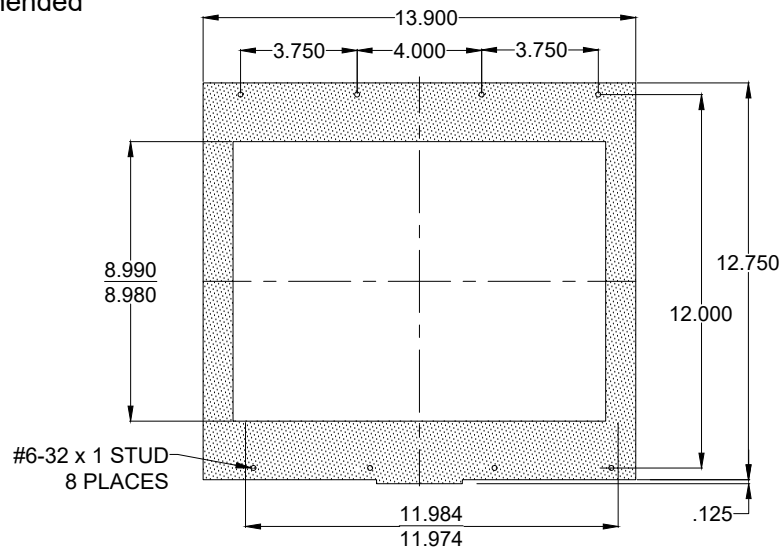
Ver. 10 Rel. 09/05/2024

ELITE PI[®]
PRO



Unit is 3-1/8 Inch Deep
3-1/2 Inch Box Depth Recommended

AS VIEWED FROM FRONT



15 INCH Elite PI[®] PRO

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TO ORDER: - EX150 - CX2

"L" = STANDARD

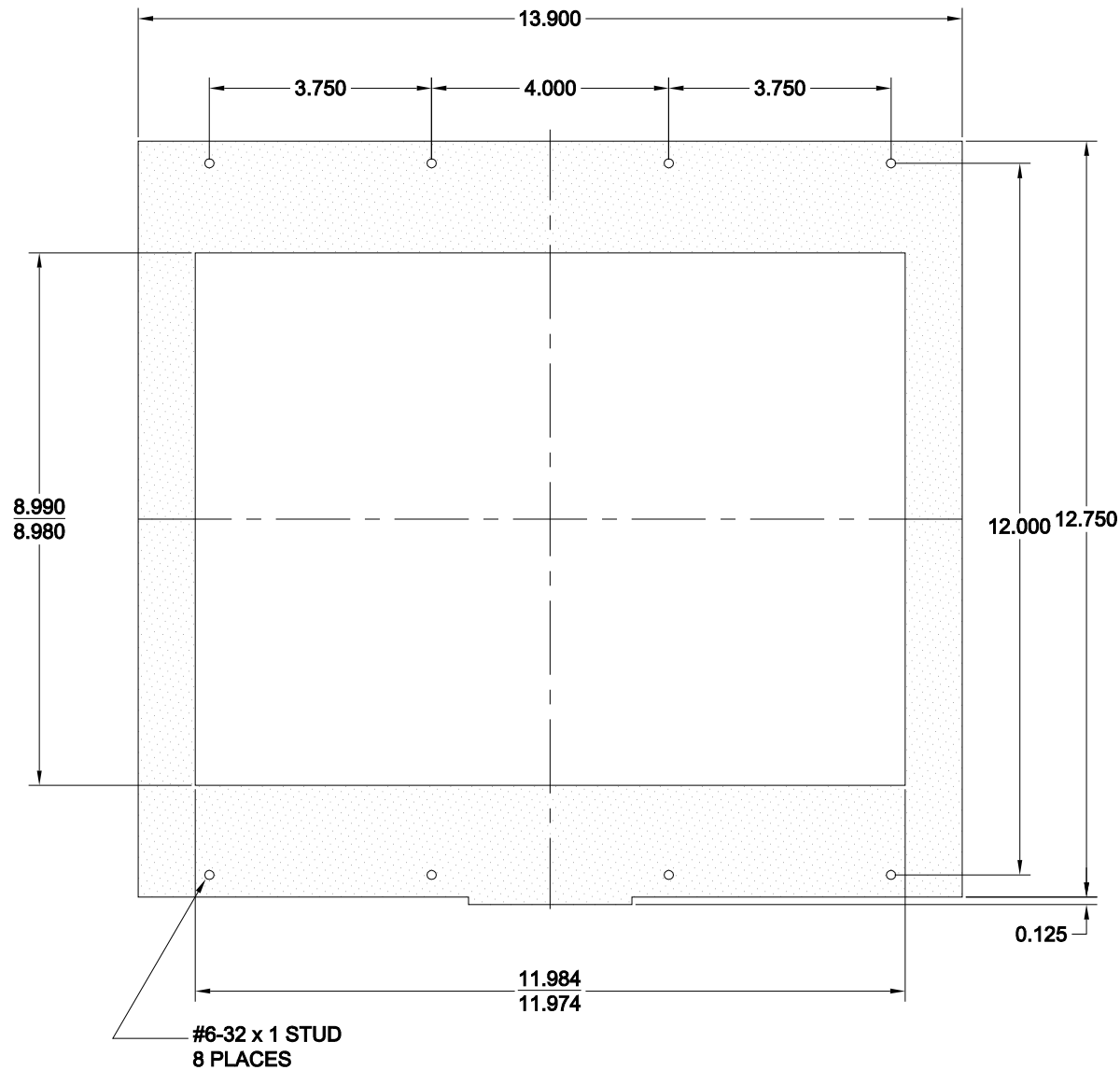
"A" = AUXILIARY PANEL LINK

RELATED DRAWINGS

DESCRIPTION	DRAWING NAME
PANEL PREP.	PP150-1
DETAIL DIM.	DD150-1

PP150-1

Ver. 4 Rel. 1/27/2017



LENS NUMBER:	BOARD # & REV:
APPROVED BY:	
Signature: _____	
Date: _____	
Company: _____	

DATE DRAWN: 4/17/2015	LAST DATE REVISED	SCALE NONE	PART #
DRAWN BY: DWS	TOLERANCE UNLESS OTHERWISE SPECIFIED: ±.015		C.E. ELECTRONICS, INC. 2107 Industrial Drive Bryan, Ohio 43506 (419) 636-6705
REQUESTED BY: TE	TOLERANCE FOR CUTOFF (WINDOW):		
TITLE:			DWG. NO. PP150-1

MAIN TFT

(BACK VIEW)

JOB# _____

S1 DEFAULT SETTINGS

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

ON							
1	2	3	4	5	6	7	8
TEST	AUDIO	BAUD1	BAUD2	TOUT1	TOUT2	A/L	B/N

S2 DEFAULT SETTINGS

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

ON							
1	2	3	4	5	6	7	8
1	2	4	8	16	32	64	REAR
MSG ADDRESS							

ROTARY SWITCH S3 _____

ROTARY SWITCH S4 _____

ARM CODE VERSION _____

DISPLAY CODE VER _____

OS VERSION _____

Q7 MODULE _____

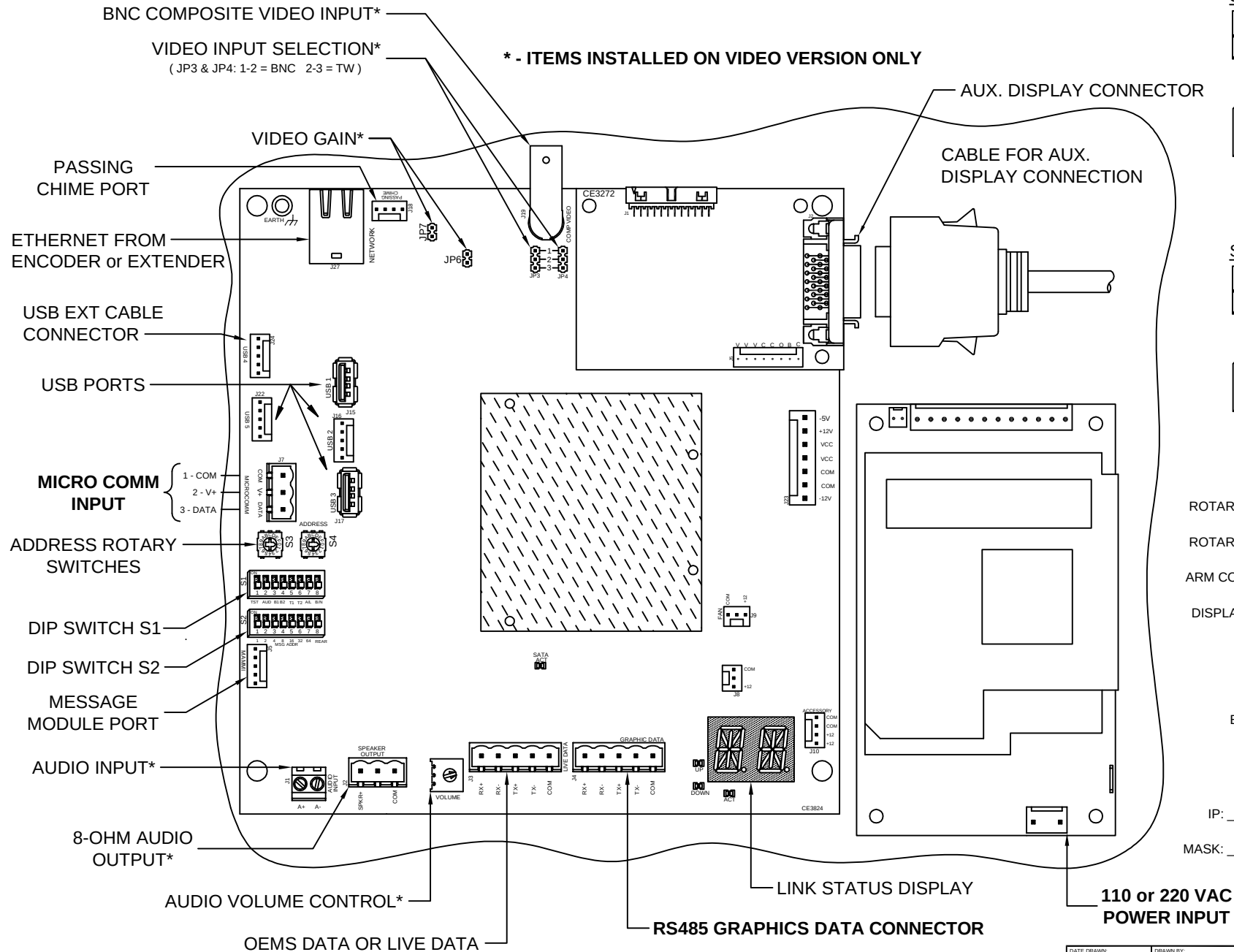
BRACKET NO. _____

VIDEO STANDARD: NTSC ☐
PAL ☐

IP: _____

MASK: _____

* - ITEMS INSTALLED ON VIDEO VERSION ONLY



S1 DIP SWITCH SETTINGS

DIP Switch 1 - Test Mode

Off = Normal Run Mode

On = The display will cycle up and down through all programmed floors (Front Side Only).

DIP Switch 2 - Audio Output

Off = Audio Software Controlled

On = Audio Enabled

DIP Switch 4, 3 - RS485 Configuration Link Baud Rate (Must match Transfer Program)

DS4	DS3	BAUD RATE
OFF	OFF	9600
OFF	ON	19200 (Default)
ON	OFF	38400
ON	ON	57600

DIP Switch 6, 5 - Watchdog Period (Length of time the PIC waits for a response from Elite Display before resetting the display)

DS6	DS5	Wait Period
OFF	OFF	One Minute
OFF	ON	Two Minutes
ON	OFF	Three Minutes (Default)
ON	ON	Never Reset Display

DIP Switch 7 - Converter Board Display Mode (does not affect TFT screen)

Off = Scan Slot Data Displayed

On = ASCII Data Displayed

NOTE: Left Cube Dot = Priority Message Sent
Right Cube Dot = Door Strobe Active

DIP Switch 8 - Single/Multi-Car

Off = Single Car - Standard MICRO COMM Links

On = Multi-Car - Special 8-to-1 MICRO COMM Links Only!

ROTARY SWITCH SETTINGS

Rotary Switch S3 - Used for USB transfers. Default setting is 0.

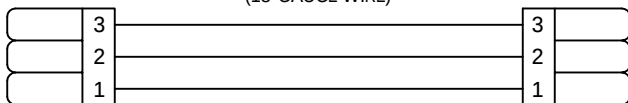
Rotary Switch S4 - Unit Address

This switch sets the address of the Elite PI unit. The default is address 1, which is switch setting 0.

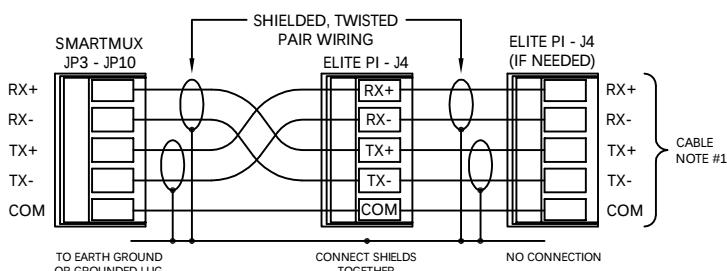
NOTE: This address must match the Transfer program setting.

S4	Unit Address	S4	Unit Address	S4	Unit Address	S4	Unit Address
0	1	4	5	8	9	C	13
1	2	5	6	9	10	D	14
2	3	6	7	A	11	E	15
3	4	7	8	B	12	F	16

MICRO COMM LINK (18-GAUGE WIRE)



SMARTMUX TO ELITE PI and (if needed) to ELITE PI



NOTE: Shields **MUST** be grounded to controller/earth ground lug

S2 DIP SWITCH SETTINGS

ARRIVAL ARROWS & DESTINATIONS DS1 - DS7 set the unit's floor number.

DS7 (64)	DS6 (32)	DS5 (16)	DS4 (8)	DS3 (4)	DS2 (2)	DS1 (1)	FLOOR NUMBER
OFF	OFF	OFF	OFF	OFF	OFF	OFF	CAR UNIT
OFF	OFF	OFF	OFF	OFF	OFF	ON	FLOOR 1
OFF	OFF	OFF	OFF	OFF	ON	OFF	FLOOR 2
OFF	OFF	OFF	OFF	OFF	ON	ON	FLOOR 3
:	:	:	:	:	:	:	:
:	:	:	:	:	:	:	:
ON	ON	ON	ON	ON	OFF	ON	FLOOR 125
ON	ON	ON	ON	ON	ON	OFF	FLOOR 126
ON	ON	ON	ON	ON	ON	ON	NOT USED

Switch 8 sets the unit as front or rear. DS8 OFF - Front Unit DS8 ON - Rear Unit

VIDEO TEST MODE

Video test mode uses a combination of DIP switch and rotary switch settings. Please write down the initial setting of the S3 and S4 rotary switches before starting this process.

Entering Video Test Mode

Set DIP switch 1 to OFF, then set S3 and S4 to position F. Next, set DIP switch 1 to ON. The Live Video Adjustment menu will appear on the screen with Brightness highlighted.

Choosing Item to Adjust

The highlighted item is the current selection. To choose a different item to adjust, set S3 as shown below:

S3	Adjustment	S3	Adjustment
F	Brightness	B	Video Standard
E	Contrast	A	Vertical Stretch
D	Color	9	Default
C	Tint	8	Original

Making Adjustments

Highlight the item to change and turn S4 for the best display quality.

Default and Original Settings

Default resets the display to the factory default settings. Original cancels any changes made and restores the values stored before entering Video Test mode. Highlight the item to use, turn S4 in either direction, and wait five seconds. The display will reset to the default or previous settings.

Exiting Video Test Mode

To save the new video settings and exit Video Test, set DIP switch 1 to OFF. Reset S3 and S4 to the values recorded before starting the process.

Video Gain

JP7 and JP6 control the video gain. Use a shunt to short the pins of the jumpers as shown in the table below (OFF = No Shunt, ON = Shunt):

JP7	JP6	VIDEO GAIN
OFF	OFF	No Gain (Default)
OFF	ON	Lowest Gain
ON	OFF	
ON	ON	Highest Gain

Adjusting Audio Volume

If you need audio, connect an 8-ohm speaker to J2 on the Elite PI board. Set the volume by adjusting Volume pot R2 (3/4 turn pot). Adjust the pot clockwise to increase the volume.

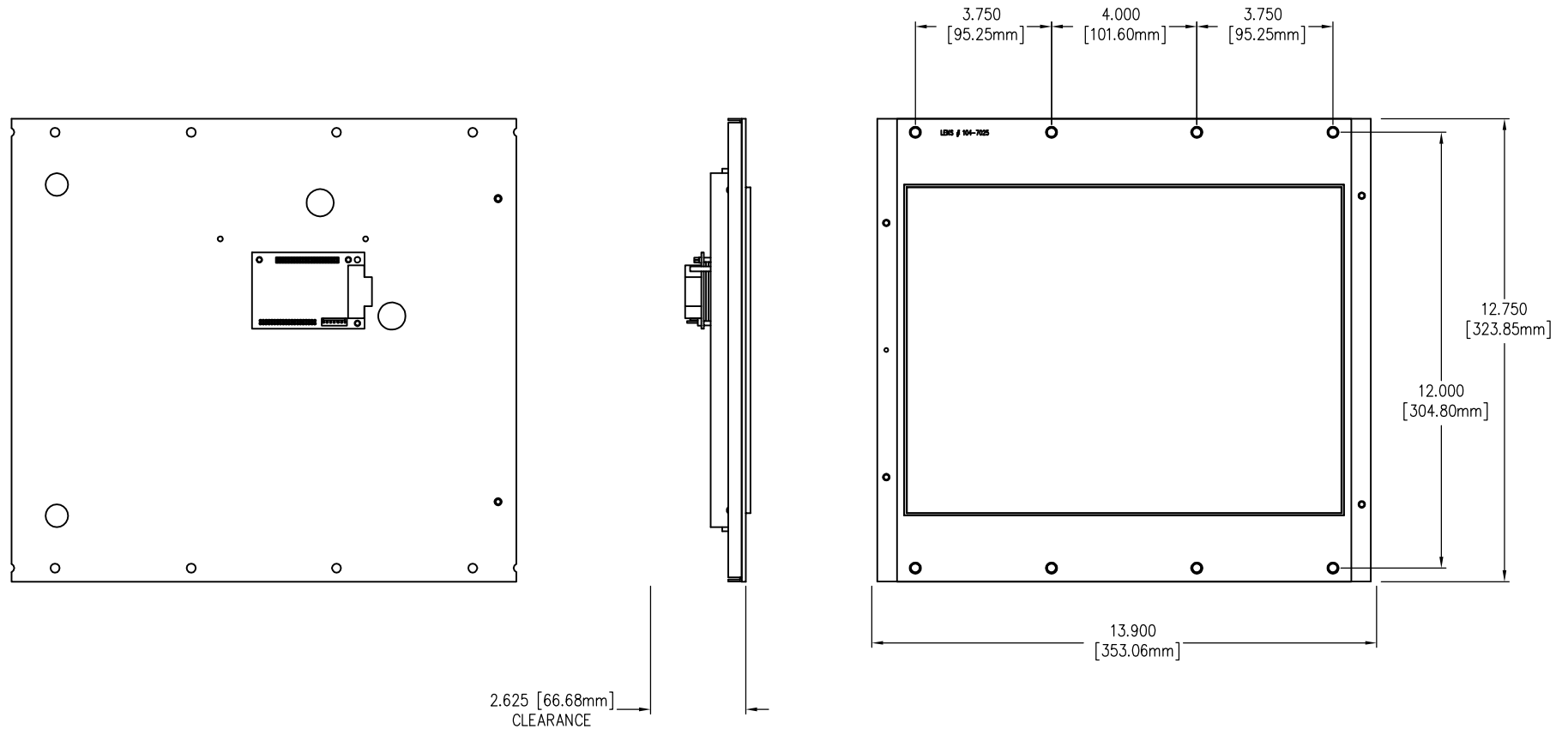
CABLE NOTES:

- 1) Use shielded, twisted pair wires. We recommend using 24-gauge or larger wires. NOTE: Connect shields to controller/earth ground.
- 2) Use one wire of a twisted pair or a separate wire for common.
- 3) The audio input cable should be a shielded, twisted pair cable.
- 4) BNC composite video cable - 75 ohm RG6 recommended.
- 5) Twisted pair video cable - Unshielded twisted-pair wire recommended. Baluns required - C.E.# V23501P02

DATE DRAWN: 02/10/16	DRAWN BY: DAC	REQUESTED BY: TE	 C.E. ELECTRONICS, INC. 2107 Industrial Drive Bryan, OH 43506 (419) 636-6705	
BOARD NUMBER: 3824	LAST DATE REVISED: 10/06/17	APPROVED BY:		
PRODUCT CE3824 TFT Setup Information			DWG. NO. CE3824_SFTUP	REV. B

DD150-1-AUX

VER 2 RELEASE DATE 7/14/2025



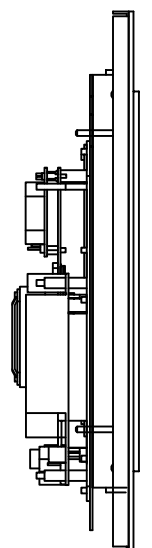
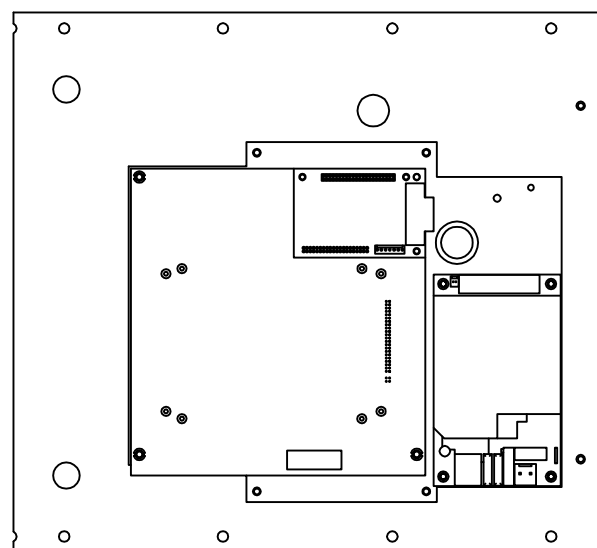
NOTE:
STANDARD 15 INCH TFT UNIT
RECOMMENDED MINIMUM DEPTH WITH BASIC UNIT OF AT LEAST 3.25
INCHES [82.55] MM WITH A STANDARD 1/8 INCH STEP LENS

LENS NUMBER:	BOARD # & REV:
APPROVED BY:	
Signature:	
Date:	
Company:	

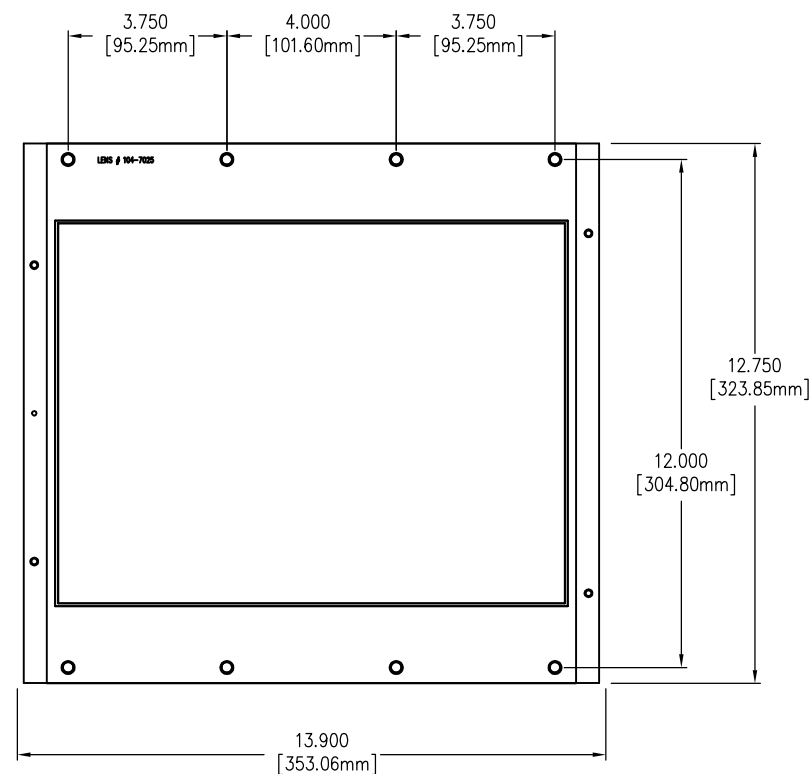
DATE DRAWN: 9/19/07	LAST DATE REVISED 7/14/2025	SCALE NTS	PART #
DRAWN BY: DWS	TOLERANCE UNLESS OTHERWISE SPECIFIED: ± .010		C.E. ELECTRONICS, INC. 2107 Industrial Drive Bryan, Ohio 43506 (419) 636-6705
REQUESTED BY:	TOLERANCE FOR CUTOUT (WINDOW):		
TITLE: 15 INCH TFT UNIT - AUXILIARY			DWG. NO. DD150-1-AUX

DD150-1

VER 3 RELEASE DATE 7/14/2025



3.125 [79.38mm]
CLEARANCE



NOTE:
STANDARD 15 INCH TFT UNIT
RECOMMENDED MINIMUM DEPTH WITH BASIC UNIT OF AT LEAST 3.25
INCHES [82.55] MM WITH A STANDARD 1/8 INCH STEP LENS

LENS NUMBER:	BOARD # & REV:
APPROVED BY:	
Signature:	
Date:	
Company:	

DATE DRAWN: 9/19/07	LAST DATE REVISED 7/14/2025	SCALE NTS	PART #
DRAWN BY: DWS	TOLERANCE UNLESS OTHERWISE SPECIFIED: ± .010		 C.E. ELECTRONICS, INC. 2107 Industrial Drive Bryan, Ohio 43506 (419) 636-6705
REQUESTED BY:	TOLERANCE FOR CUTOUT (WINDOW):		
TITLE: 15 INCH TFT UNIT			DWG. NO. DD150-1
			REV: