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# ShadowSense™ 19" (4) Touch Monitor

## KEY BENEFITS :

### A Full Suite of Touch Screen Features Including:

- Highly Accurate, True Multi-Touch Performance (Sub 2mm Resolution)
- Available as Single and Multiple Touch (Max 4 Touch Points)
- Fast Response Time (6ms)
- Mechanically Compatible to Systems Designed for ELO 1939L Touch Solution
- Supports Windows® 7 (USB HID Compliant), Windows® XP, Linux Operating Systems
- Improved Environmental Performance
- Calibration Free

### Integrated Display Features:

- Plug n' Play Drop-in Solution
- "State-of-the-Art" LCD Picture Quality
- Ultra Thin Form Factor
- High Level Controller Electronics (All RoHS Compliant)
- Single Control Operated and Transparent On-Screen-Display (hereafter 'OSD') User Interface
- RS232 Communication
- Analog RGB, DVI
- Custom Mechanical, Interface and Inputs Available

### Applications:

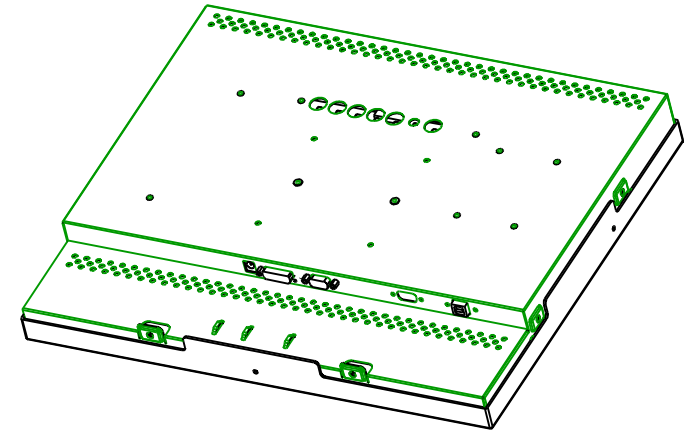
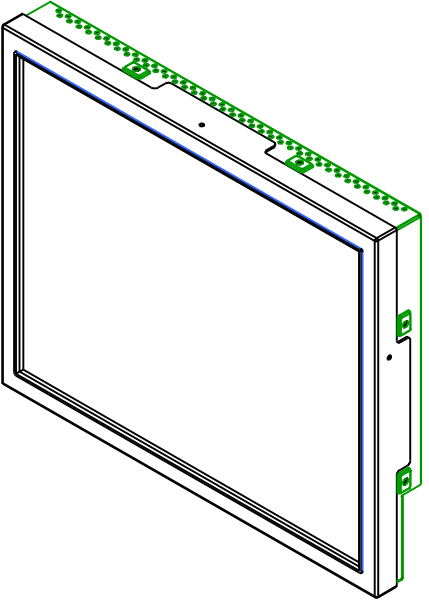
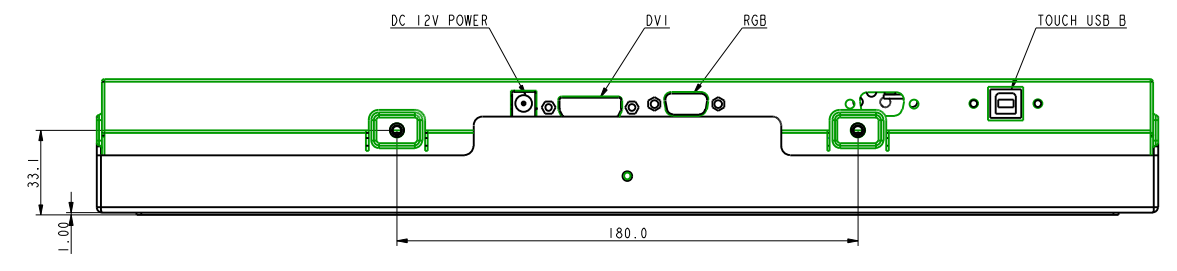
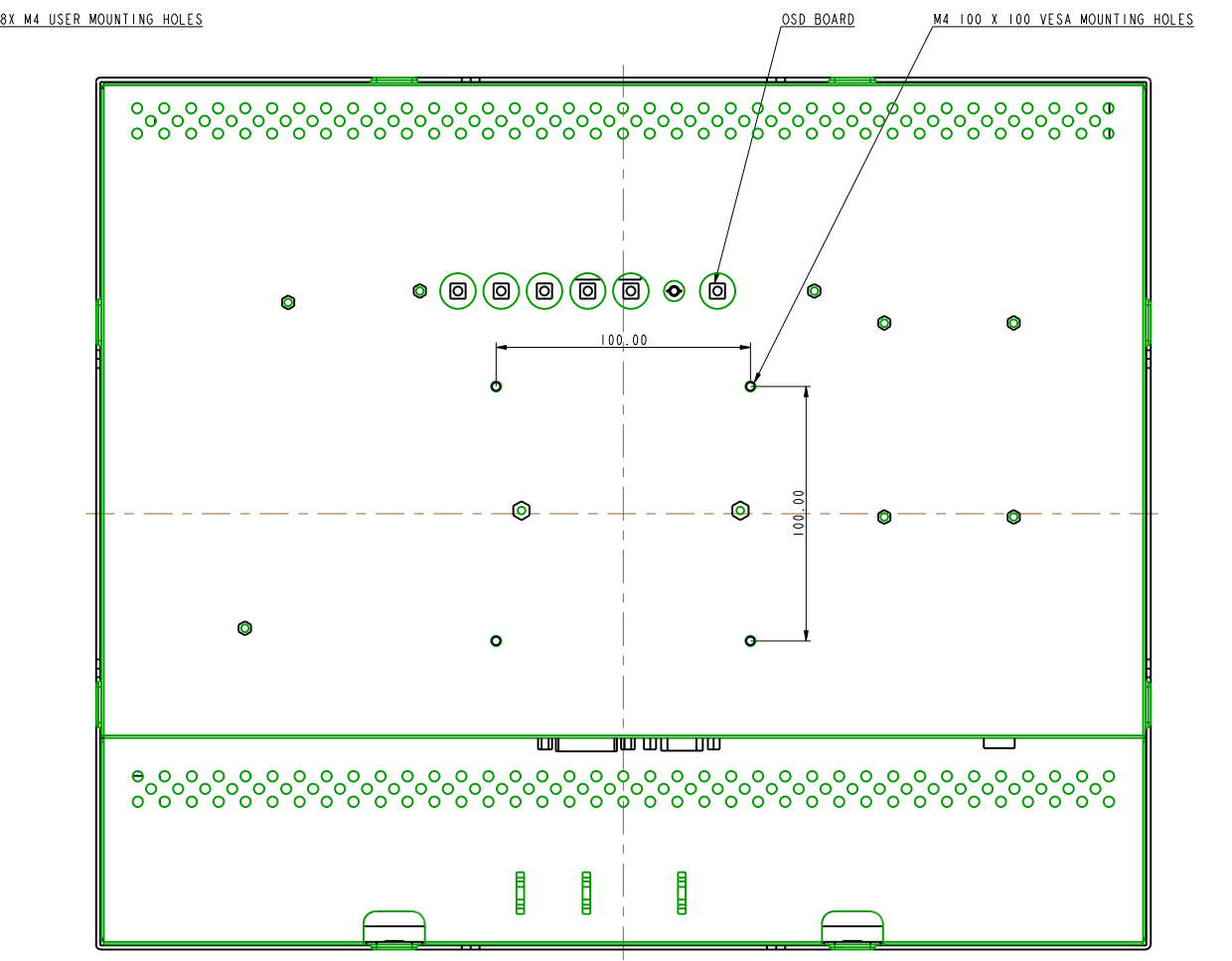
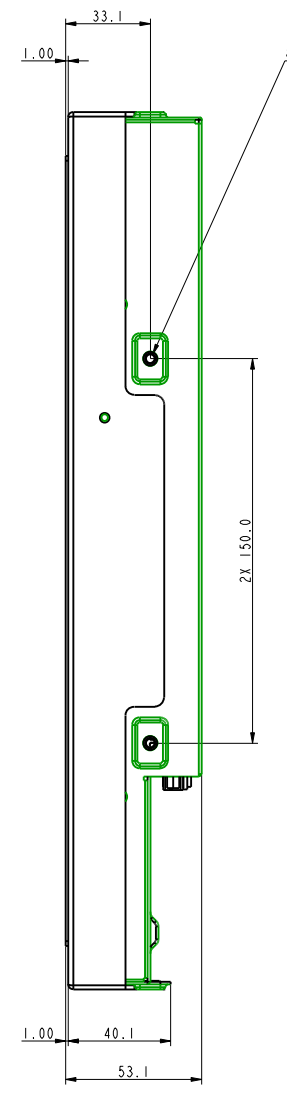
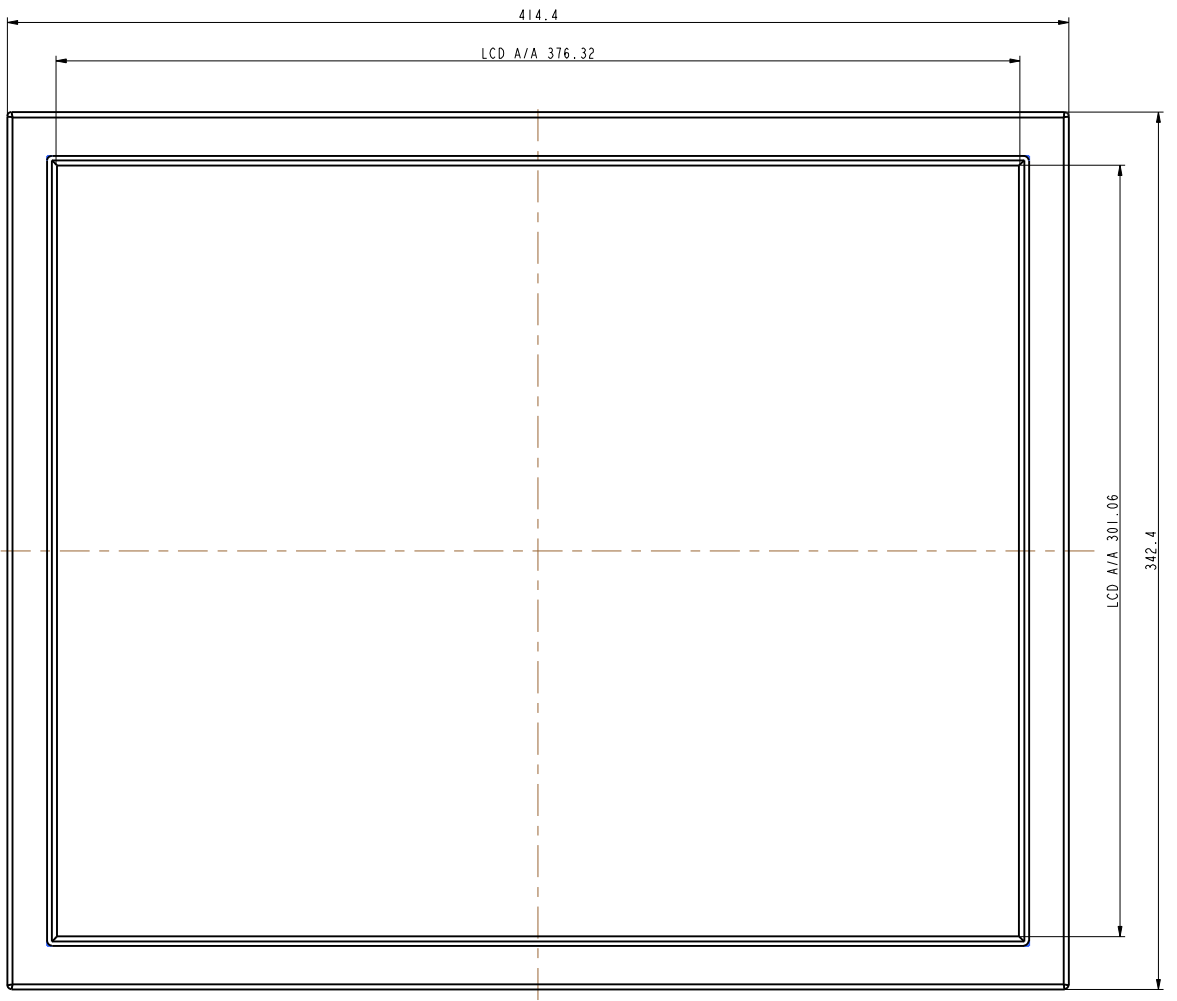
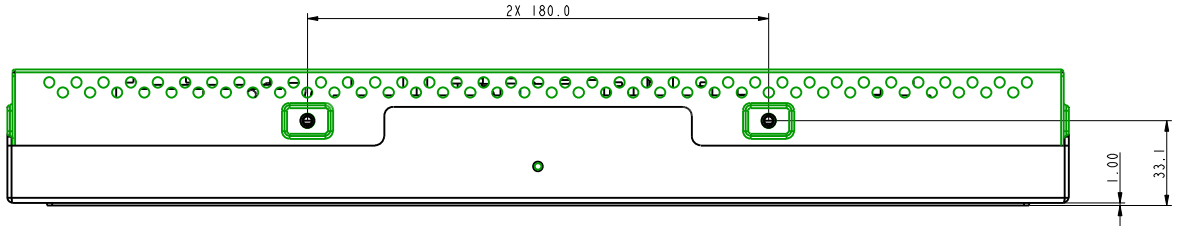
- Kiosks
- ATMs
- Point of Sale
- Casino and Amusement Games
- Lottery and ticket sales
- Self-Service
- Industrial Process Control

## SPECIFICATIONS

Model	EI-190SE-10O-AOD-BT
Case/Bezel Color	Galvanized Sheet Metal
Display Type	Size: 19.0" diagonal Type: Active Matrix TFT LCD Aspect ratio: 4 x 3
Useful Screen Area	Horizontal: 376.32 mm Vertical: 301.05 mm
Monitor dimensions	Width: 414.4mm Height: 342.4mm Depth: 53.1mm
Optimal (native) resolution	1280 x 1024
Other Supported Resolutions	640 x 350 at 70Hz 640 x 400 at 70Hz 720 x 350 at 70Hz 720 x 400 at 70Hz 640 x 480 at 60~75Hz 800 x 600 at 60~75Hz 1024 x 768 at 60~75Hz 1152 x 864 at 60~75Hz 1280 x 960 at 60Hz 1280 x 1024 at 60~75Hz
Colors	16.7 million with dithering (8 bit)
LCD Brightness	250 cd/m <sup>2</sup> (typical)
Response Time	LCD - 20 msec (typical) / Touch Screen - 6 msec
Viewing Angle (typical, from center)	Horizontal (left/right): ±89° or 178° total Vertical (up/down): ±89° or 178° total
Contrast Ratio	1500:1 (typical)
Input Video Format	Analog RGB, DVI
Input Video Signal Connector	Mini D-Sub 15-Pin, DVI 24-Pin
Input Frequency	Horizontal: 31.5–80 kHz Vertical: 56–75 Hz
Power Supply	Type: External Brick, 100–240 VAC, 50–60 Hz Monitor Input Voltage: 12 VDC / 3A
Temperature	Operating: 0 °C to 50 °C Storage: 0 °C to 50 °C
Humidity	Operating: 20%–80% Storage: 10%–90% Non-Condensing
Touch Interface	USB HID Interface
Options	Single and Multiple Touch (Max 4 Touch Points)
Weight	TBD
Certification	None

REVISIONS				
REV	ECN	DESCRIPTION	BY/DATE	CHECKED/DATE
EA		INITIAL RELEASE	C. SUNGIN 12-Apr-11	

- NOTE:
- IDENTIFY WITH PART NUMBER, LATEST REVISION LETTER, VENDOR LOGO WITH 4-DIGIT DATE CODE (MMYY) 3.0E-123 TO 4.8E-191 HIGH IN AREA SHOWN. MARKING SHALL BE LEGIBLE AFTER SPECIFIED FINISH.
  - MATERIAL:SGCC 1.01
  - UNLESS OTHERWISE SPECIFIED, ALL INSIDE BEND RADIUS SHALL BE 0.8E-031 MAX.
  - ALL DIMENSIONS ARE FUNCTIONAL DIMENSIONS. DIMENSIONS ARE IN MILLIMETERS (INCHES).
  - REMOVE ALL BURRS AND BREAK ALL SHARP EDGES.
  - PART MUST HAVE NO DIRT AND RUST, NO FINGERPRINTS, NO OIL, AND STRESS FRACTURES, NO FLECKING.
  - MATERIALS AND PARTS SHALL BE ROHS COMPLIANT AND IN ACCORDANCE WITH DIRECTIVE 2002/95/EC (WEEE).



SCALE 1/2

ITEM	PART NO	DESCRIPTION	SHT
00	GEOA190AU-P006-BT	19" OPEN FRAME, POPPY-O WITH OPTICAL TOUCH	

QUANTITY PER ASSEMBLY		PARTS LIST	
MATERIAL	SEE NOTES	FINISH	
UNLESS OTHERWISE SPECIFIED			
DIMENSIONS ARE IN MILLIMETERS		TOLERANCES	
DO NOT SCALE DRAWING	ON DECIMAL DIMENSIONS	ON HOLE DIAMETERS	
	INCHES	MILLIMETERS	
	INCHES	MILLIMETERS	
MACHINED SURFACES:	.XX ±0.010, XX ±0.25	UNDER .150 ±0.005	UNDER 3.81 ±0.13
DRIVEN ALL SHARP EDGES	MIN: .025	MAX: .05	150 - 250 ±0.005
ANY THIRD PARTY WITHOUT EXPRESS WRITTEN PERMISSION FROM ESTECON.	1.25 ±0.01	1.25 ±0.01	251 - 500 ±0.005
	1.25 ±0.01	1.25 ±0.01	OVER 500 ±0.010
	ANGLES ±°		

DWG. NO.	GEOA190SE-P006-BT	REV	EA
TITLE	19" OPEN FRAME, POPPY-O WITH OPTICAL TOUCH	DATE	12-Apr-11
DRAWN	C. SUNGIN	CHECKED	
DATE	12-Apr-11	DATE	
APPROVED		SCALE	1/2 & NOTED
SHT	1	of 3	