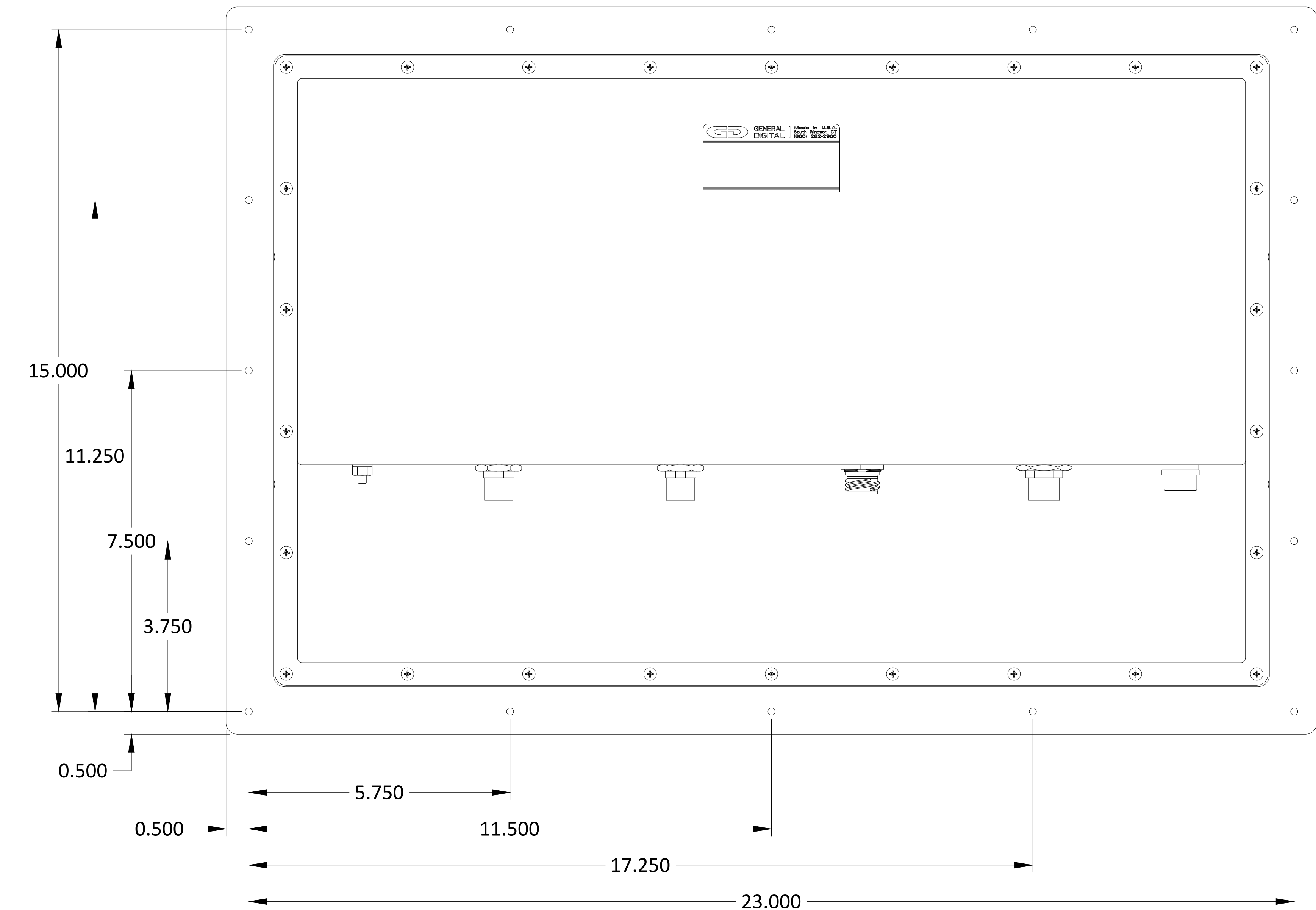
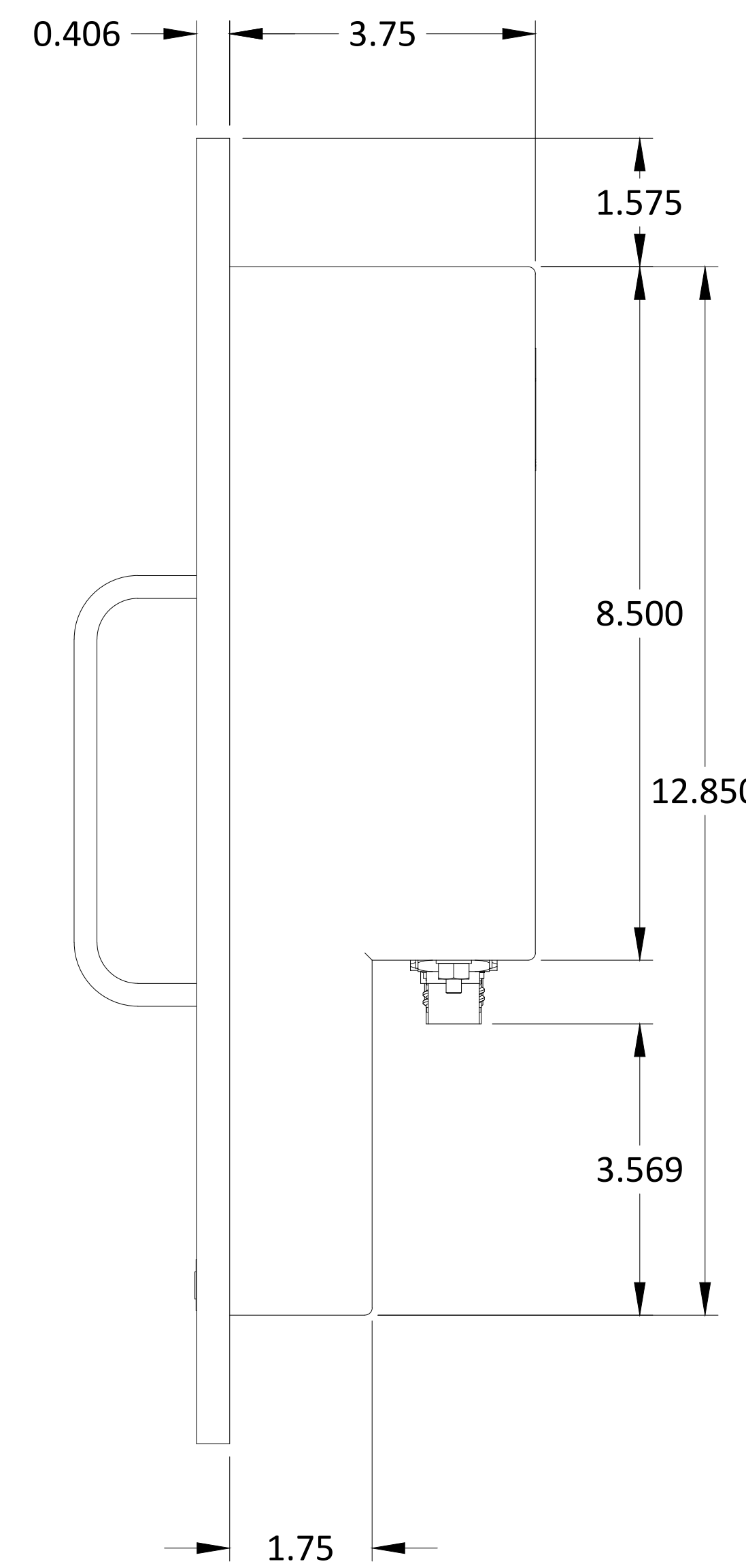
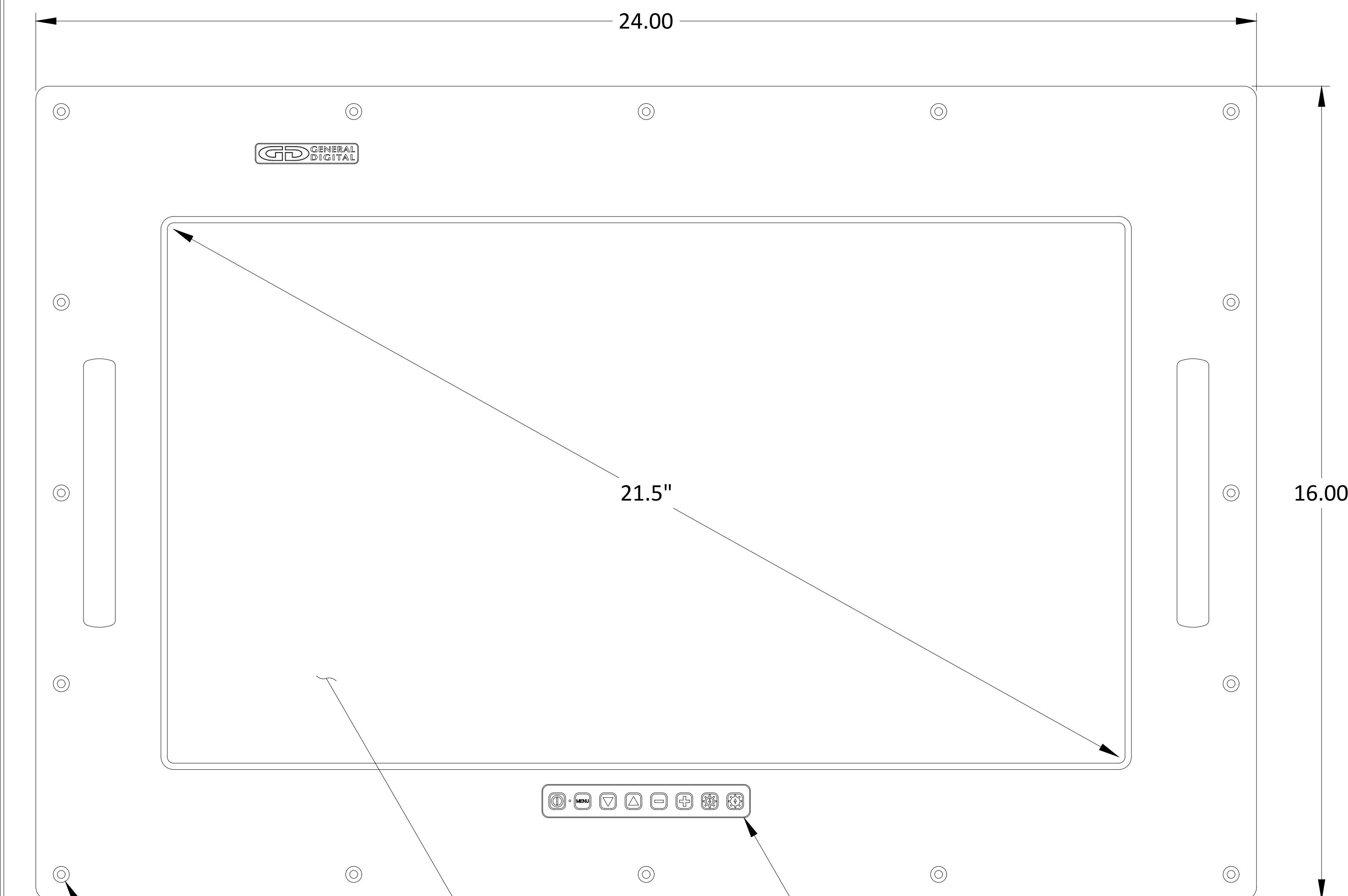
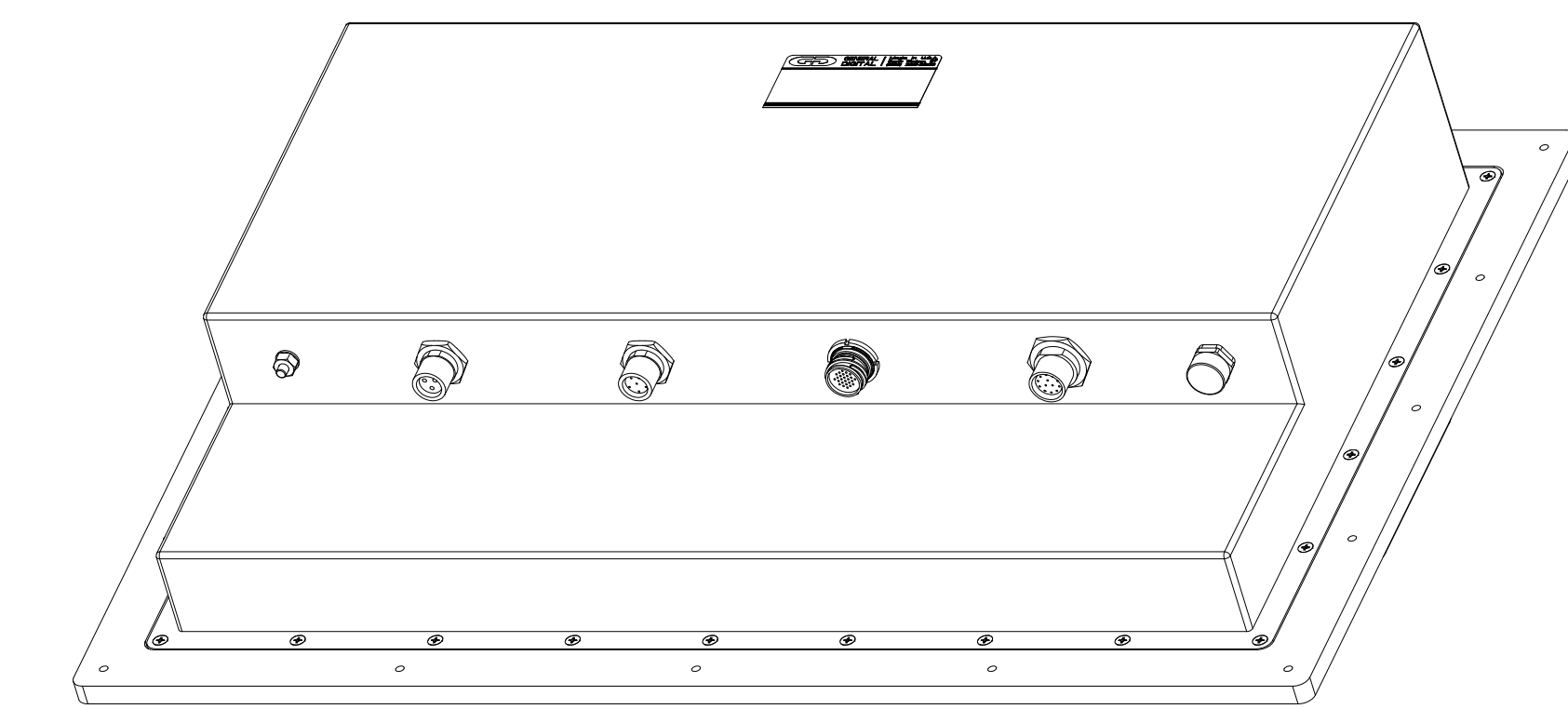
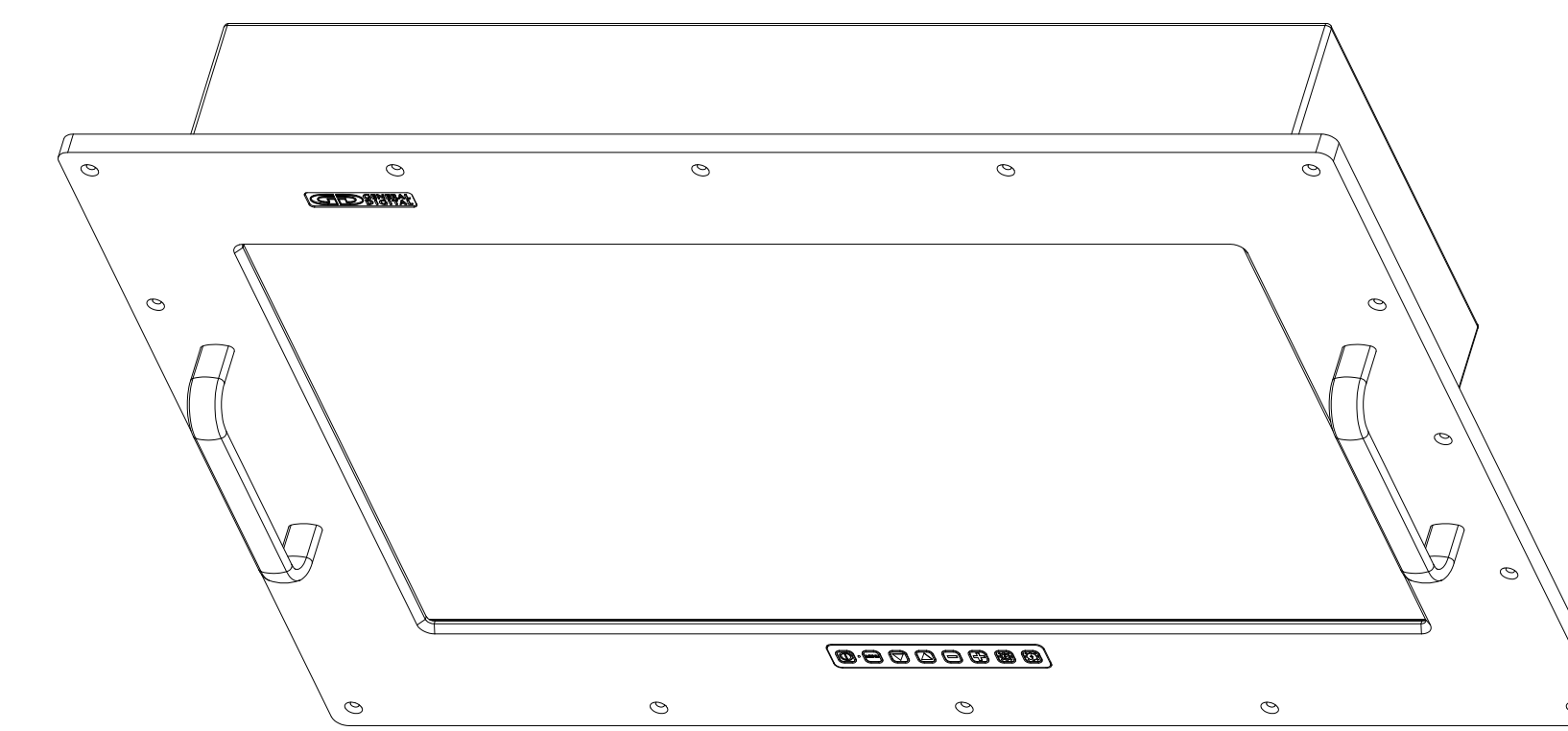
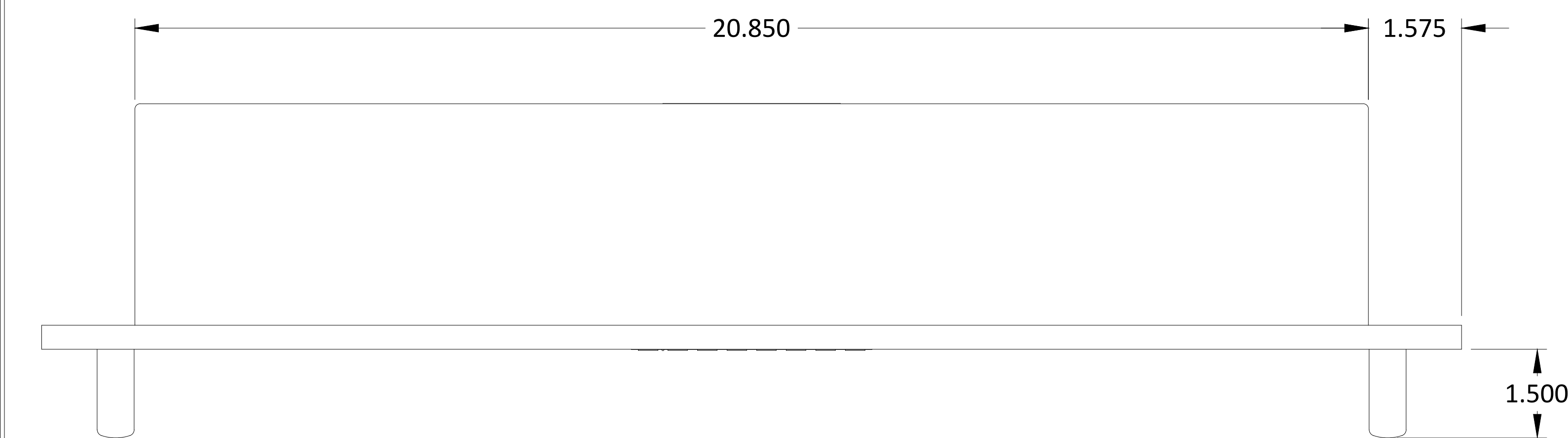


CUSTOMER APPROVAL

COMPANY	NAME (PRINT)
DATE	SIGNATURE

SBP-22D-9020-152-00-31-65-ID71-207

90-3215-021-B



Ø0.157 THRU, COUNTERSINK
Ø0.315 x 90° (X16)

OVERLAY:
RESISTIVE TOUCH SENSOR
W/ LAMINATED EMI SHIELD

8-BUTTON KEYPAD

VENT

CN1

CN2

CN3

CN4

GND

SHEET 1 OF 2


B	17-Oct-23	E006978	UPDATED OBSOLETE VIDEO CONTROLLER	CP
A1	09-Sep-19	E005713	REMOVED NAVAL SHIPBOARD REQUIREMENTS REFERENCE	GL
A	14-May-18	E005311	REVISED SYSTEM BASED ON CUSTOMER FEEDBACK	GL
v3	27-Nov-17	-	REMOVED REFERENCES TO SPECIFIC MIL-STD-461F TESTS	GL
REV	DATE	ECN	DESCRIPTION	BY

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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS DECIMALS ANGLES
±1/32 .X ±.050 ±0° 30'
.XX ±.031
.XXX±.020

CONNECTOR CHART		
DESIGNATION	FUNCTION	TYPE
CN1	ANALOG VIDEO INPUT	D38999/24WB35SN
CN2	DVI INPUT	805-024-07ZW12-265A-518
CN3	TOUCH (USB) OUTPUT	D38999/24WA35SN
CN4	+9 – +36 VDC INPUT	D38999/24WA98SN
GND	GROUND STUD (1/2" LONG)	10-32 UNF-2A

MECHANICAL OUTLINE ONLY. SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE. U.O.S. ALL DIMENSIONS ARE IN INCHES.	
APPROVALS	DATE
DRAWN G.L.	03-Nov-17
CHECKED SB	17-Oct-23
APPROVED JH	17-Oct-23
DO NOT SCALE DRAWING	



GENERAL DIGITAL

60 Prestige Park Road, East Hartford, CT 06108
(860) 282-2900 www.GeneralDigital.com

**BARRACUDA PANELMOUNT
21.5" WUXGA MONITOR**

B	CAGE CODE	DWG. NO.	REV
	1JA77	3215-021-97	B

CUSTOMER APPROVAL

COMPANY	NAME (PRINT)
DATE	SIGNATURE

SBP-22D-9020-152-00-31-65-ID71-207

90-3215-021-B

Unit Specifications

Feature	Value	Units
Display		
Size (dia.)	21.5	in.
Active Area	18.77 x 10.56	in.
Resolution	1920 x 1080	Pixels
Colors	16.7 Million (8-bit)	
Viewing Angle (H/V)	±89 / ±89	Degrees (°)
Response Time (T _r + T _f)	25	ms
Refresh Rate	60	Hz
Optical		
Brightness (Est)	600	Nits
Dimming Range	5 – 100	%
Contrast	5000:1	
Backlight Type	LED (Single Rail)	
Power		
Input	+9 – +36	VDC
Power Consumption (Max)	40	W
Environmental		
Operating Temperature	-10 – +55	°C
Storage Temperature	-30 – +70	°C
Sealing	IP-67 Standards*	
Vibration	20 – 2000 Hz, 0.02g ² /Hz*† 5 – 33 Hz, 0.125mm Constant Displacement*†	
Shock	50G, Half Sine, 11ms, Z Axis*† 25G, Half Sine, 11ms, X/Y Axis*†	
Bump Test	4000 Bumps, 25g, 16ms	
EMI	MIL-STD-461F*‡	
Salt Corrosion	2 Hours, 35°C, 90 – 95% RH, 3 Cycles	
Mold Growth	29°C, 90% RH, 28 Days	
Mechanical		
Weight (Est)	20.5	Lbs.
Finish	Textured Black Powder Coat	

* Designed to Comply
† Unit is Hard Mounted
‡ Naval Shipboard Requirements

Connector Pin-outs


CN1 - ARGB Input	
Type: Amphenol D38999/24WB35SN	
Pin Position	Signal
1	Red
2	Green
3	Blue
4	H-Sync
5	Ground
6	V-Sync
7	DDC 5V
8	DDC SDA
9	DDC SCL
10	Red Return
11	Green Return
12	Blue Return
13	Ground

CN2 - DVI Input	
Type: Glenair 805-024-07ZW12-26SA-518	
Pin Position	Signal
1	+5V
2	–
3	TMDS CLK-
4	–
5	CLK Shield
6	TMDS D0-
7	GND
8	TMDS CLK+
9	–
10	DDC SCL
11	TMDS D0+
12	–
13	–
14	D0 Shield
15	D1 Shield
16	–
17	DDC SDA
18	TMDS D1-
19	–
20	TMDS D2-
21	–
22	D2 Shield
23	TMDS D1+
24	–
25	TMDS D2+
26	Hot Plug Detect

CN3 - Touch Output	
Type: Amphenol D38999/24WA35SN	
Pin Position	Signal
1	V _{USB}
2	D-
3	D+
4	GND _{USB}
5	–
6	–

CN4 - DC Power Input	
Type: Amphenol D38999/24WA98SN	
Pin Position	Signal
A	V+
B	V-
C	–

SHEET 2 OF 2

REV	DATE	ECN	DESCRIPTION	BY	THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF GENERAL DIGITAL AND IS NOT TO BE DISCLOSED, REPRODUCED OR PUBLISHED WITHOUT WRITTEN CONSENT FROM GENERAL DIGITAL. THIS DOCUMENT MUST BE RENDERED ILLEGIBLE WHEN BEING DISCARDED. © COPYRIGHT 2023. ALL RIGHTS RESERVED.	CONNECTOR CHART			MECHANICAL OUTLINE ONLY. SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE. U.O.S. ALL DIMENSIONS ARE IN INCHES.		 60 Prestige Park Road, East Hartford, CT 06108 (860) 282-2900 www.GeneralDigital.com	BARRACUDA PANELMOUNT 21.5" WUXGA MONITOR			
						DESIGNATION	FUNCTION	TYPE	APPROVALS	DATE					
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A	14-May-18	E005311	REVISED SYSTEM BASED ON CUSTOMER FEEDBACK	GL		CN3	TOUCH (USB) OUTPUT	D38999/24WA35SN	DO NOT SCALE DRAWING						
v3	27-Nov-17	-	REMOVED REFERENCES TO SPECIFIC MIL-STD-461F TESTS	GL		CN4	+9 – +36 VDC INPUT	D38999/24WA98SN							
				BY		GND	GROUND STUD (1/2" LONG)	10-32 UNF-2A							