NPD1968
19" IP65 Sunlight Readable Multi-Touch Marine Display

NAVPIXEL NPD1968, the high-performance, rugged touch monitor, is specially engineered to survive from the most demanding working environment. Housed in a milled billet aluminum case, the slim-profile NAVPIXEL NPD1968 is light weight and watertight. The front-mounted sunlight readable touch screen makes the industrial rugged monitor vividly and user-friendly. In addition, the high power efficiency and low heat design guarantee the stability and longevity required for mission critical deployment.

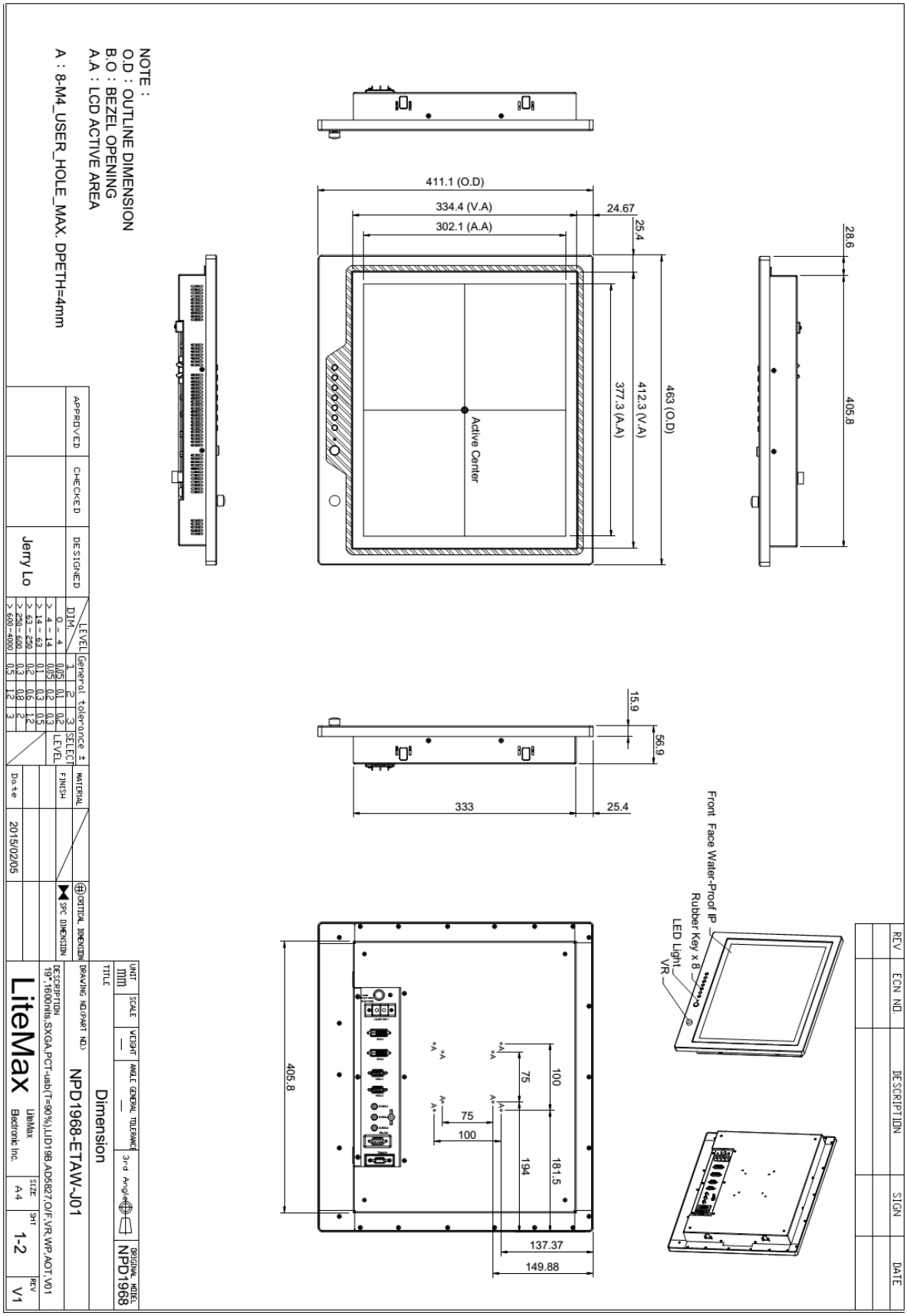
Features:
- 1600 nits Sunlight Readable LCD
- Long Life, Low Power Consumption LED Backlight
- Wide Operating Temperature
- Picture In Picture Function
- Advanced Optical Bonding (AOT)
- High Shock & Vibration Resistance
- Projected Capacitive Multi-Touch Support
- IP65 Facial Waterproof
- Isolation Power 9-36V DC Input

Application:
- Marine

Specifications	V1
Model Number	**NPD1968**
Description	**19” IP65 Sunlight Readable Multi-Touch Marine Display**
Backlight	LED Backlight
Active Display Area	376.3 x 301.1mm
Brightness	1600 cd/m^2
Resolution	1280x1024(SXGA)
Contrast Ratio	1000:1
Pixel Pitch (mm)	0.294(H) x 0.294 (V)
Viewing Angle	170 (H), 160(V)
Display Color	16.7M
Response Time	5ms
Inputs	VGAx2, DVIx2, Compositex3, RS232x1, USBx1
PIP Support	3 Stages (child, split & wide screen)
Mechanical	
IP Rating	Facial waterproof to IP65 standards when console mounted.
Construction	Rugged Aluminum Alloy Chassis
Mounting	Panel (Flush) mount, VESA mount
Dimension (mm)	463(W)x411.1(H)x56.9(D)
Net Weight	5.5Kg
Power	
Voltage	DC Input Voltage: DC 9~36V
Power Consumption	42W
Environmental	
Operating Temperature	-10°C~50°C
Non-Operating Temperature	-20°C~70°C
Certification	Designed to meet CE / FCC Class A
Marine Type Approval	Designed to meet CE/FCC & BV Marine Approval Pending

Outline Dimensions

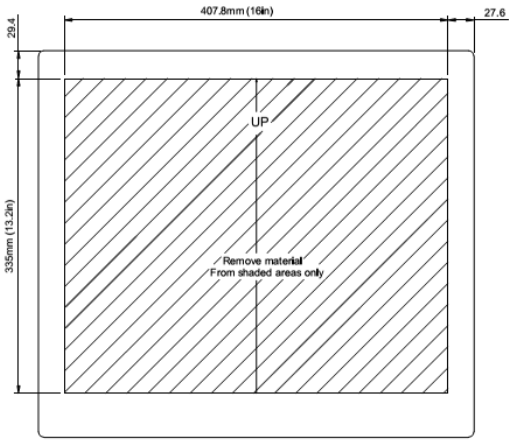
Unit:mm



REV	ECN NO.	DESCRIPTION	SIGN	DATE

Side View

NPD1954 Flush Mount Template



Back View

UNIT	SCALE	WEIGHT	ANGLE GENERAL TOLERANCE		ORIGINAL MODEL
mm		—	—	3rd Angle	NPD1968

TITLE: Dimension

DRAWING NO.(PART NO.): NPD1968-ETAW-J01

DESCRIPTION: 19",1600nits,SXGA,PCT-usb(T=90%),LID19B,AD5827,O/F,VR,WP,AOT,V01

APPROVED	CHECKED	DESIGNED
		Jerry Lo

DIM. \ LEVEL	General tolerance ± 1	2	3	SELECT LEVEL
0 ~ 4	0.05	0.1	0.2	
> 4 ~ 14	0.05	0.2	0.3	
> 14 ~ 63	0.1	0.3	0.5	
> 63 ~ 250	0.2	0.6	1.2	
> 250 ~ 600	0.3	0.8	2	
> 600 ~ 4000	0.5	1.2	3	

MATERIAL		CRITICAL DIMENSION
FINISH		SPC DIMENSION
Date	2015/02/05	

LiteMax — LiteMax Electronic Inc. | SIZE A4 | SHT 2-2 | REV V1

2015/9/11

Ordering Information

Part Number	Description
NPD1968-ETAW-J01	19",1600nits,SXGA,PCT-usb(T=90%),LID19B,AD5827,O/F,VR,WP,AOT,V1

Optional Accessories

Part Number	Description
980000300010	SET,OTHER,CD for User. Menu & Touch driver(NPD series)
810650005110	CABLE,POWER,DC,5000mm,TER.MINAL TO OPEN,14AWG*2C+BRA.ID,COOL GRAY 7C PVC JACKET,P
810130001000	CABLE.VGA.3000mm.D-SUB15P MALE.BLUE TO D-SUB 15P MALE BLUE.BLACK.P
321189155501	Print,Menu,User,NPD.1555,V0,series,P
321179196801	Print,Menu,Install,NPD,1968,V0.Flush mount template,P
112615315401 x (4)	Metal,SPCC,NPS,1531,Lock,V0,P
214032121101 x (4)	Screw,M4,32mm,Round,Ni,P
460100002101 x (4)	Fixture,other,MP-4,V0,P
980000560010 (Optional)	SET,OTHER,ADAPTER REWORK.60W KPA-060F WITH Y TYPE.TERMINAL,P
810618301010 (Optional)	CABLE.POWER.AC.1830mm USA type
810618301090 (Optional)	CABLE,POWER,AC,1830mm Europe type
810618301050 (Optional)	CABLE.POWER.AC.1830mm UK type
810618301170 (Optional)	CABLE.POWER,AC,1830mm Australia type
810618301030 (Optional)	CABLE.POWER.AC.1830mm Japan type