

Modules will install in order from module number 1 in increasing order until the last module. Review module cable connection on page 8.

STAX Boost Power Continuation Cable found in (Yellow Labeled Bag). Required after each 12th consecutive module per display face. Review Boost Power Cable Continuation connection on page 8.

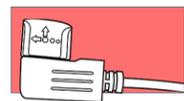
STAX Controller Cable Kit found in (Red Labeled Bag). One cable kit per display face. Includes one Primary Controller Power Cable and one 1st Module Power/Data Cable

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules.

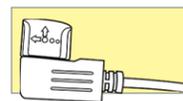
All components are auto switching between 120 and 240 Volts. Maximum Amperage per lead: 16 Amps @120V. Multiple leads can be connected together and share a breaker. Multiple circuits may share the same neutrals. Display electrical requirements per face are shown below. 9.5mm values are 6% less. Follow your local NEC Codes & regulations.

190	171	170	151	150	131	130	111	110	91	90	71	70	51	50	31	30	11	10
189	172	169	152	149	132	129	112	109	92	89	72	69	52	49	32	29	12	9
188	173	168	153	148	133	128	113	108	93	88	73	68	53	48	33	28	13	8
187	174	167	154	147	134	127	114	107	94	87	74	67	54	47	34	27	14	7
186	175	166	155	146	135	126	115	106	95	86	75	66	55	46	35	26	15	6
185	176	165	156	145	136	125	116	105	96	85	76	65	56	45	36	25	16	5
184	177	164	157	144	137	124	117	104	97	84	77	64	57	44	37	24	17	4
183	178	163	158	143	138	123	118	103	98	83	78	63	58	43	38	23	18	3
182	179	162	159	142	139	122	119	102	99	82	79	62	59	42	39	22	19	2
181	180	161	160	141	140	121	120	101	100	81	80	61	60	41	40	21	20	1

## PRIMARY DISPLAY FRONTVIEW



TYP. (1)  
1st Module Power/Data Cable must be connected to first module and to STAX Controller



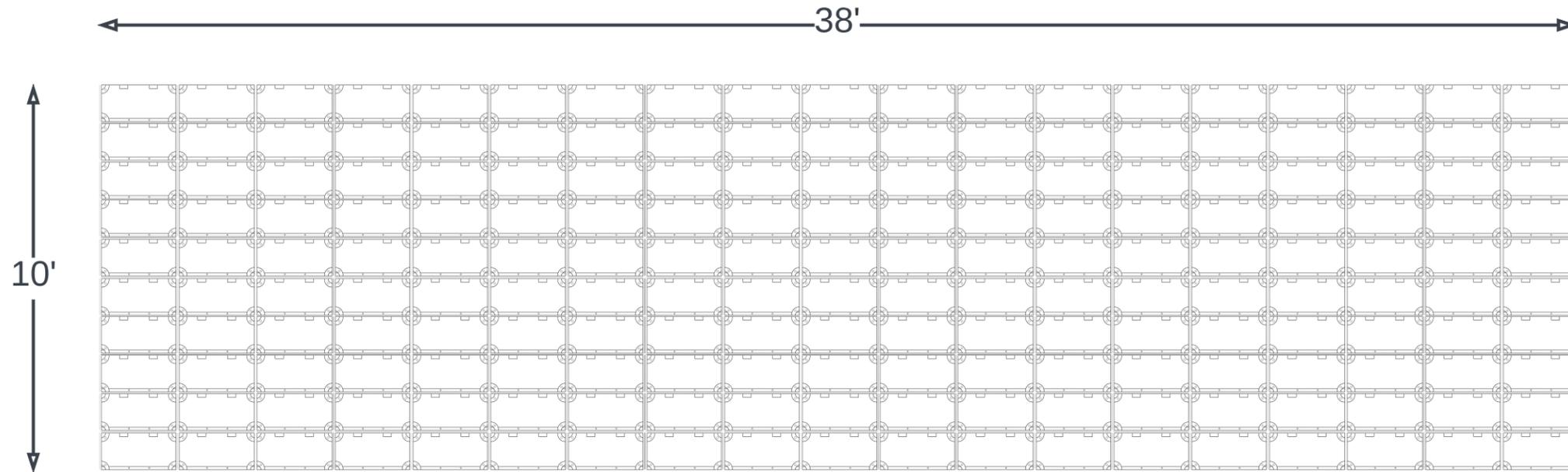
TYP. (15)  
STAX Boost Power Continuation Cable required (at maximum) after each 12th consecutive module per display face.

Additional displays of the same size will be configured identically. Unique installations of size and location may require additional engineering discussion with Next.



Product Conforms to UL STD. 48, UL STD. 62368-1, & CSA STD. C22.2 NO. 62368\*1

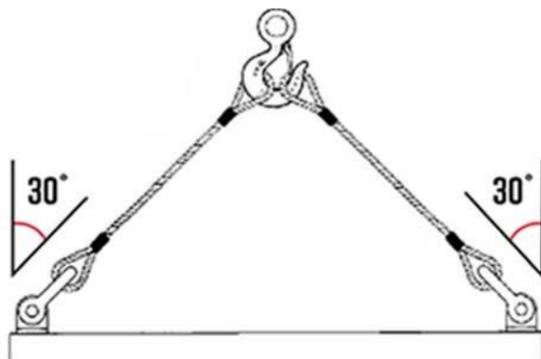
Circuit	Modules	Maximum Watts	Average Watts	Maximum Amps@120V	Maximum Amps@208V	Maximum Amps@240V
1	1 - 24	1872	992	15.6	9.0	7.8
2	25-48	1872	992	15.6	9.0	7.8
3	49-72	1872	992	15.6	9.0	7.8
4	73-96	1872	992	15.6	9.0	7.8
5	97-120	1872	992	15.6	9.0	7.8
6	121-144	1872	992	15.6	9.0	7.8
7	145-168	1872	992	15.6	9.0	7.8
8	169-190	1716	909	14.3	8.3	7.2
TOTAL	190	14820	7855	123.5	71.3	61.8



The display can be assembled with 2'x4' frames and 1'x2' frames. All frames are interchangeable. If desired, displays can use all 1'x2' frames.

Part Description	Part Weight (lbs)
1' x 2' 6.3MM / 9.5MM STAX LED DISPLAY MODULE	8.8
1' x 2' STAX LED DISPLAY FRAME	5.25
1' x 2' STAX LED DISPLAY FRAME DOOR	2.1
2' x 4' STAX LED DISPLAY FRAME	11.25
2' x 4' STAX LED DISPLAY FRAME DOOR	4.5
STAX PC CONTROLLER	9.6

## PRIMARY DISPLAY REARVIEW



### SHACKLE ATTACHMENT

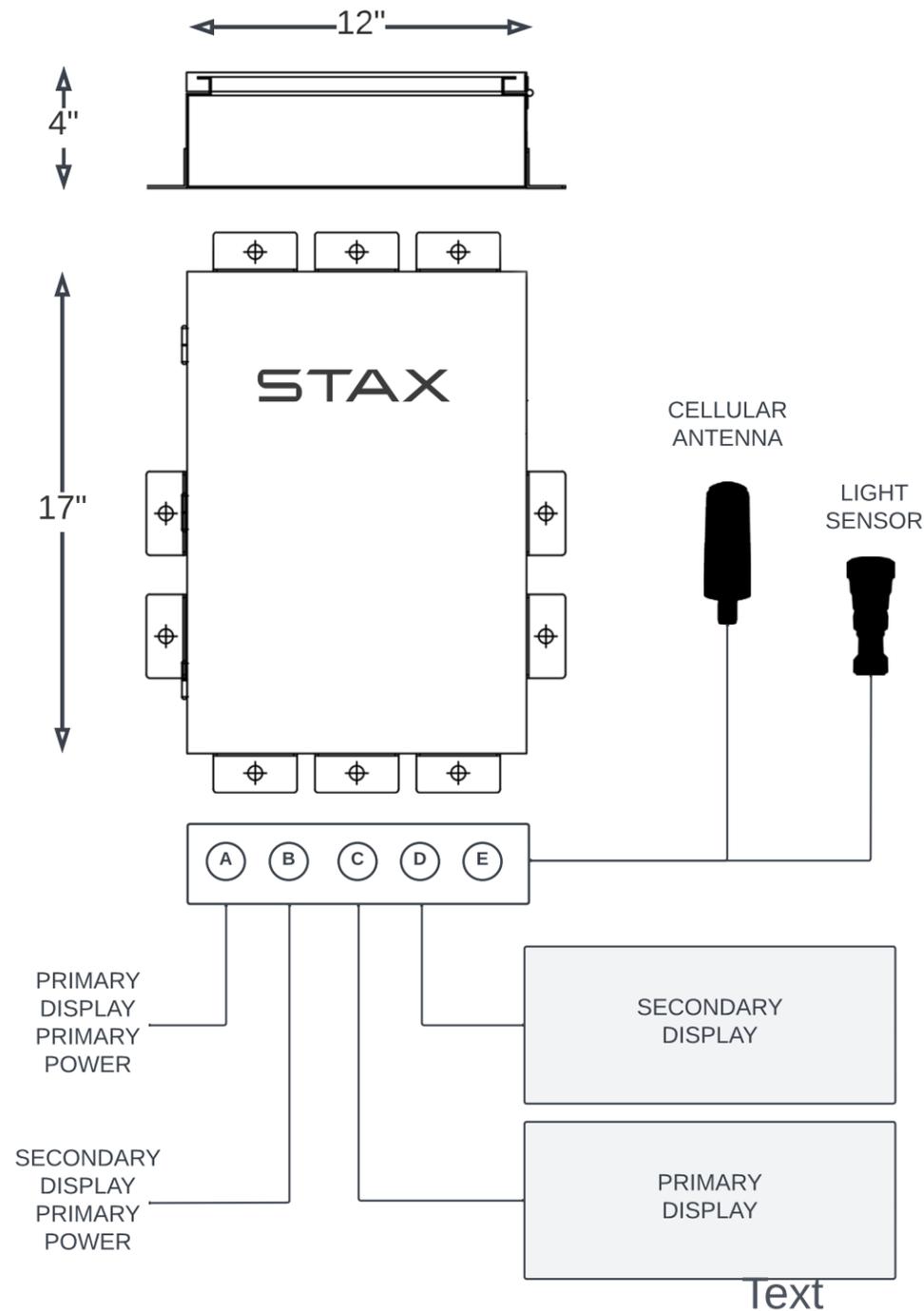
The shackle cables should connect to the lifting pins at an angle of 30 degrees or less to prevent damage to the cabinet frame. Spreader bar should be used when three or more lifting pins are required per face. Must lift final assembled sign with a minimum of two lifting points. Determine total number of lifting points with a 330 maximum lbs per lifting pin.

Maximum weight shown shows total display weight using only 1'x2' frames and frame doors. Actual weight may be less and will be represented on the quote number purchased. Contact Next for any questions regarding dependencies

Display Face	Maximum Weight (lbs) Including Frame Doors	Maximum (lbs) Per Lifting Pin	Number of Pins Per Face
1	3468	330	11
2	6935	N/A	N/A

## LAUNCH INSTRUCTIONS

- Assemble all frames and modules per installation instructions on page 1.
- After all modules have been assembled, connect the controller to the first module of the display face with the 1st Module Power/Data cable found in the RED labeled cable kit bag. You will use one cable for the primary display and one cable for the secondary display. Primary power [A] is connected to primary display output [C] and secondary power [B] is connected to secondary display output [D].
- Connect the controller primary power to a power source with the power cable found in the RED labeled kit bag.
- Power-up the primary power source for the controller box. On initial powerup the successful sequence on the display will appear as:
  - Flash of light
  - Black screen
  - Blue screen
  - Logo screen
  - Black screen
- Contact Next (833-474-STAX) for final configuration and software connection. We will remotely work with your technician and configure the display in under 10 minutes.



Each display face requires a controller cable kit consisting of one primary power cable and one display connection cable.

Each primary power connection is an independent circuit. For smaller displays, the Primary and Secondary display power connection can share a circuit. Confirm loads and all electrical details prior to installation.

Cellular Antenna, with mounting bracket, is included and ready for installation. Light Sensor, with mounting bracket, is included and ready for installation. They are connected through Input [E].

Lifetime installation support and software training are available prior to, during, and after the installation of display.

Mounting brackets and screws are included. There are multiple bracket installation positions available. Not all are required to be used. Do not puncture or modify the control box without approval from Next.

For installations requiring direct Cat5e connections or wireless point to point antennas, please contact Next to confirm parts and installation method.

PIXEL PITCH	PIXEL HEIGHT	PIXEL WIDTH
6mm	480	1824
9mm	320	1216



# PARTS AND PACKAGING

PARTS LIST				
PART NUMBER	PART DESCRIPTION	QUANTITY REQUIREMENTS	SINGLE FACE	DOUBLE FACE
1701-MODULE / 1700-MODULE	1' x 2' 6.3MM / 9.5MM STAX LED DISPLAY MODULE		190	380
3700-CONTROL	STAX LED DISPLAY CONTROLLER	1 PER DOUBLE FACE DISPLAY	1	1
1780-CONTROL	STAX CONTROLLER CABLE KIT	1 PER FACE	1	1
1772-MODULE	STAX BOOST POWER CONTINUATION CABLE	1 PER EACH 12 MODS STARTING AT 13	15	30
0712-CABINET	STAX CONTROLLER MOUNTING PLATE	1 PER STAX CONTROLLER	1	1

CRATE PACKAGING				
PART NUMBER	PART DESCRIPTION	QUANTITY PER CRATE	CRATE SIZE WxLxH (In)	CBM
1701-MODULE/ 1700-MODULE	1' x 2' 6.3MM / 9.5MM STAX LED DISPLAY MODULE	12	29x27x27	.41
0770-CABINET	1' x 2' STAX LED DISPLAY FRAME	12	29x27x27	.41
0771-CABINET	1' x 2' STAX LED DISPLAY FRAME DOOR	40	35x25x28	.75
0772-CABINET	2' x 4' STAX LED DISPLAY FRAME	6	51x28x31	.40
0773-CABINET	2' x 4' STAX LED DISPLAY FRAME DOORS	25	46x25x28	.54

AND

OPTION 1: MIXED FRAME ASSEMBLY				
PART NUMBER	PART DESCRIPTION	QUANTITY REQUIREMENTS	SINGLE FACE	DOUBLE FACE
0770-CABINET	1' x 2' STAX LED DISPLAY FRAME	1 FRAME SUPPORTS 1 MODULE	10	20
0771-CABINET	1' x 2' STAX LED DISPLAY FRAME DOOR	1 DOOR PER FRAME	10	20
0772-CABINET	2' x 4' STAX LED DISPLAY FRAME	1 FRAME SUPPORTS 4 MODULES	45	90
0773-CABINET	2' x 4' STAX LED DISPLAY FRAME DOOR	2 DOORS PER FRAME	90	180

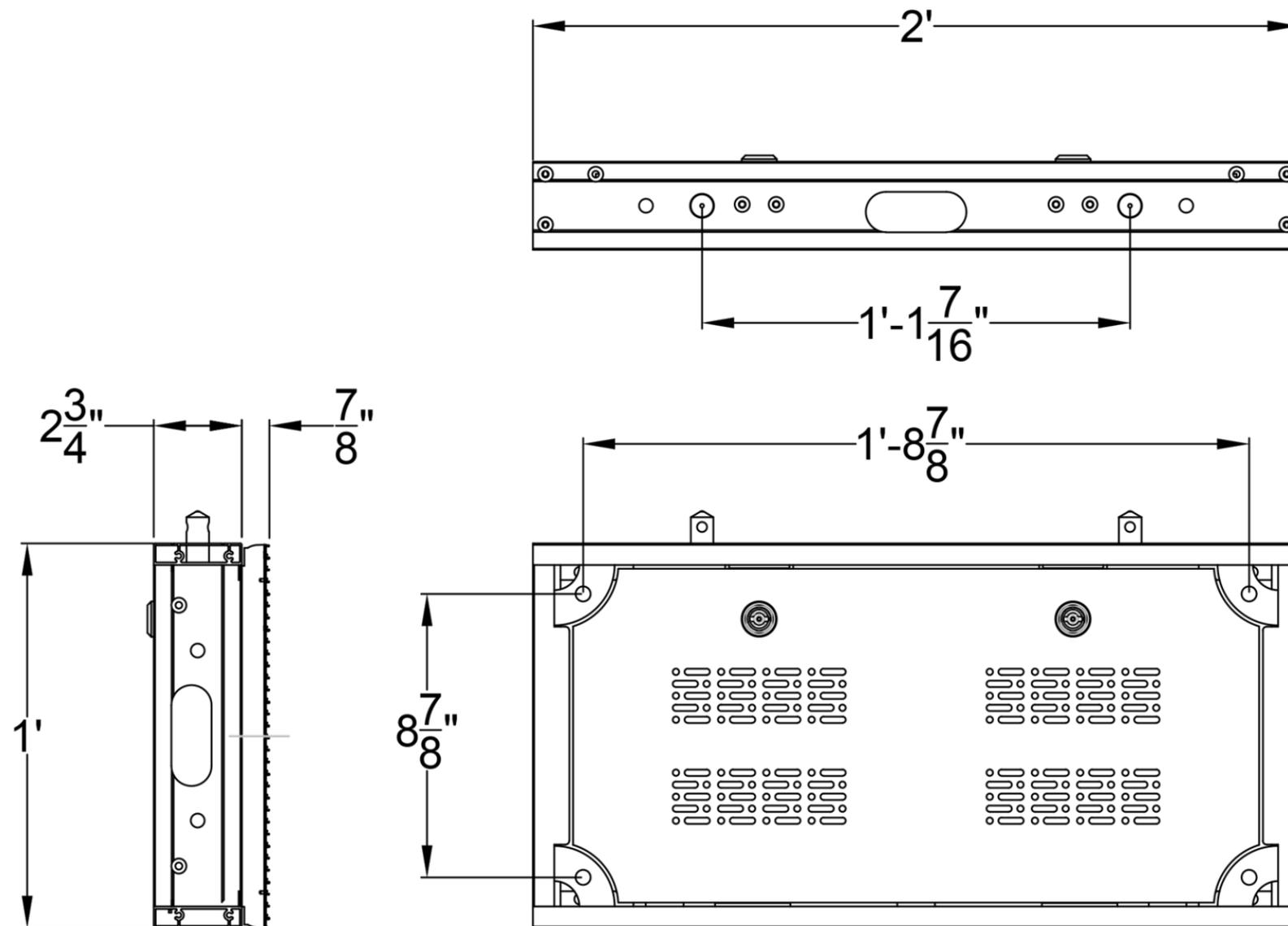
OR

OPTION 2: SINGLE FRAME ONLY ASSEMBLY				
PART NUMBER	PART DESCRIPTION	QUANTITY REQUIREMENTS	SINGLE FACE	DOUBLE FACE
0770-CABINET	1' x 2' STAX LED DISPLAY FRAME	1 FRAME SUPPORTS 1 MODULE	190	380
0771-CABINET	1' x 2' STAX LED DISPLAY FRAME DOOR	1 DOOR PER FRAME	190	380
0772-CABINET	2' x 4' STAX LED DISPLAY FRAME	1 FRAME SUPPORTS 4 MODULES	0	0
0773-CABINET	2' x 4' STAX LED DISPLAY FRAME DOOR	2 DOORS PER FRAME	0	0

# 1' X 2' MODULE FRAME

The display can be assembled with 2'x4' frames and 1'x2' frames. All frames are interchangeable. If desired, displays can use all 1'x2' frames.

Four hole frame steel connection plates are not required for assembly and provided for flexibility in installation solutions.



PARTS INCLUDED WITH EACH FRAME	
PART	QUANTITY
12mm Bolts	6
12mm washers	4
12mm nuts	4
Four hole frame steel connection plates	1

RECOMMENDED TOOLS FOR ASSEMBLY	
PART	
Impact Drill	
19mm Socket	
19mm Wrench	
Allen Wrench Tool (Provided in Controller Box)	

# 2' X 4' MODULE FRAME

The display can be assembled with 2'x4' frames and 1'x2' frames. All frames are interchangeable. If desired, displays can use all 1'x2' frames.

Four hole frame steel connection frames are not required for assembly and provided for flexibility in installation solutions.



PARTS INCLUDED WITH EACH FRAME	
PART	QUANTITY
12mm Bolts	6
12mm washers	4
12mm nuts	4
Four hole frame steel connection plates	1

RECOMMENDED TOOLS FOR ASSEMBLY	
PART	
Impact Drill	
19mm Socket	
19mm Wrench	
Allen Wrench Tool (Provided in Controller Box)	

Redundancy is a special order installation that requires a custom order cable. Next supplies this cable directly to the installer separate from traditional product orders.

When redundancy is utilized it requires the primary and secondary displays to be configured using only one 1st Module Power/Data Cable connected to the primary display. The secondary display will be connected in series with a Boost Power Connection Cable from the last module of the primary display to the first module of the secondary display.

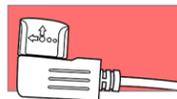
The Redundancy Cable will be connected to the last module on the secondary display, or primary display if there is only one face.

190	171	170	151	150	131	130	111	110	91	90	71	70	51	50	31	30	11	10
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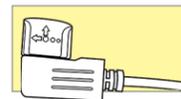
## PRIMARY DISPLAY FRONTVIEW

PIXEL PITCH	REDUNDANCY MAXIMUM NUMBER OF MODULES
6mm	336
9mm	168

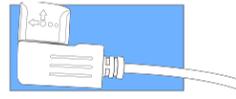
If the display exceeds the maximum number of modules for use of redundancy contact Next for assistance in additional equipment and setup. May require additional equipment not previously quoted.



TYP. (1)  
1st Module Power/Data Cable must be connected to first module and to STAX Controller



TYP. (15)  
STAX Boost Power Continuation Cable required (at maximum) after each 12th consecutive module per display face.



TYP. (1)  
Redundancy Data Cable, to be connected from the last module, to sending card port 2 within the control box.



Quantity of boost power cables will vary depending on total number of modules in the display. Some installations can use a Boost Power Continuation Cable before the 12th module. Refer to specific display schematics on page 1 for recommended installation.



STAX Boost Power Continuation Cable found in (Yellow Labeled bag). Required after each 12th consecutive module (Maximum) per display face.

Boost power cable lead can be combined with other leads to primary power. Electrical schedule can be found on page 1.



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