DAKTRONICS SO-918 PRODUCT SPECIFICATIONS



PERIOD

Choose one of three vinyl captions (Optional changeable caption panels also offered)

This outdoor LED soccer scoreboard displays period time to 99:59, HOME and GUEST scores to 99 and HALF (or PERIOD or QTR) to nine. When period time is less than one minute, the scoreboard displays time to 1/10 of a second. Scoreboard shown with optional striping and amber PanaView® digits.

DIMENSIONS	UNCRATED WEIGHT	POWER	(120 VAC)*
4'-0" H x 12'-0" W x 8" D	100 lb (00 lca)	Red/Amber Digits	120 Watts, 1.0 Amp
(1.22 m, 3.66 m, 203 mm)	180 lb (82 kg)	White Digits	260 Watts, 2.2 Amps

^{*}Scoreboard requires a dedicated circuit. Models with 240 VAC power at half the indicated amperage are also offered (International Use Only).

DIGITS

- All digits are 18" (457 mm) high.
- Select red, amber, or white LED digits.
- Scoreboard features robust weather-sealed digits (see DD2495646).
- Digits may be dimmed for night viewing.

CAPTIONS

- HOME and GUEST captions are 10" (254 mm) high. All other captions are 8" (203 mm) high.
- Standard captions are vinyl, applied to the display face.

DISPLAY COLOR

Choose from 150+ colors (from Martin Senour® paint book) at no additional cost.

CONSTRUCTION

Alcoa aluminum alloy 5052 for excellent corrosion resistance

PRODUCT SAFETY APPROVAL

ETL-listed to UL 48, tested to CSA standards, and CE-labeled

OPERATING TEMPERATURES

- Display: -22° to 122° Fahrenheit (-30° to 50° Celsius)
 Console: 32° to 130° Fahrenheit (0° to 54° Celsius)



DAKTRONICS SO-918 PRODUCT SPECIFICATIONS

CONTROL CONSOLES	CONTROL OPTIONS
All Sport® 1600* (see <u>SL-04352</u>) *May be upgraded to	Wired (standard): One-pair shielded cable of 22 AWG minimum is required. A cover plate with mounted connector and standard 2" x 4" x 2" (51 mm x 102 mm x 51 mm) outlet box is provided. Connector mates with signal cable from control console.
All Sport 5000 (see <u>SL-03991</u>)	Wireless (optional): 2.4 GHz spread spectrum radio features 64 non-interfering channels and 8 broadcast groups (see <u>SL-04370</u>).
RC-200 (see <u>DD3715714</u>)	Optional wireless handheld controller features 2.4 GHz spread spectrum radio with 64 non-interfering channels and 8-10 hours of operation via internal rechargeable battery.
DAK Score & MX-1 (see DD3888368)	CUSTOMER-SUPPLIED mobile device or tablet with DAK Score app installed communicates via Bluetooth ® wireless technology to an MX-1 Interface Box that controls the scoreboard through 2.4 GHz radio or wired connection.

SEGMENT TIMER MODE

The segment timer mode is ideal for keeping practices on schedule. The horn at the end of a segment allows coaches and athletes to focus on the practice and to listen for the horn when it is time to change drills (see <u>SI-04004</u>).

TIME OF DAY MODE

This scoreboard features a Time of Day (TOD) mode that allows it to act as a clock when the control console is unplugged or off. Refer to the scoreboard installation manual for instructions on how to enable the Time of Day mode.

MOUNTING

Scoreboard is typically mounted on two vertical beams or poles. Hardware to mount scoreboard on two beams is included; hardware for more beams is at additional cost. Standard mounting uses I-beam clamps. Optional mounting method using angle brackets is also offered; maximum beam width is 12" (305 mm) and maximum beam depth is 22" (559 mm). Refer to attached drawings for more information on mounting methods.

SERVICE ACCESS

Digit panels and electronics are serviced from the front of the scoreboard.

GENERAL INFORMATION

Scoreboard provides scoring capabilities for two teams. 100% solid state electronics are housed in an all aluminum cabinet. Scoreboard is shipped in one section. Scoreboard power is to be provided on a dedicated circuit to prevent loss of game information due to failure of another component on the circuit. Specifications and pricing are subject to change without notice.

ADVERTISING/IDENTIFICATION PANELS

Backlit & Non-Backlit:

1'-6" H x 12'-0" W (457 mm, 3.66 m) 2'-0" H x 12'-0" W (610 mm, 3.66 m) 2'-6" H x 12'-0" W (762 mm, 3.66 m)

For additional non-backlit panel sizes, see <u>SL-03761</u>.

OPTIONS & ACCESSORIES

- Scoreboard border striping
- Multiple caption and striping colors (see <u>DD2101644</u>)
- Team name caption in place of HOME
- Team names on changeable panels
- Baseball, football, and lacrosse/field hockey captions on changeable panels
- Horn
- Individual digit protective screens (see <u>SL-04939</u>)
- Protective netting (see <u>DD2690927</u>)
- Optional angle bracket mounting method
- Advertising/identification panels
- Decorative accents
- Electronic message centers and video displays in multiple sizes

FOR ADDITIONAL INFORMATION

- Installation Specifications: DWG-1157186 (attached)
- Standard I-beam Mounting: DWG-1052565 (attached)
- LVX I-Beam Mounting: DWG-3918361 (attached)
- Optional Pole Mounting: DWG-1048184 (attached)
- Component Locations: DWG-1073981 (attached)
- Architectural Specifications: See <u>SL-05182</u>

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DAKTRONICS SO-918 PRODUCT SPECIFICATIONS

ALTERNATE CAPTIONS & SCORING MODES



Baseball Mode - Optional vinyl captions shown

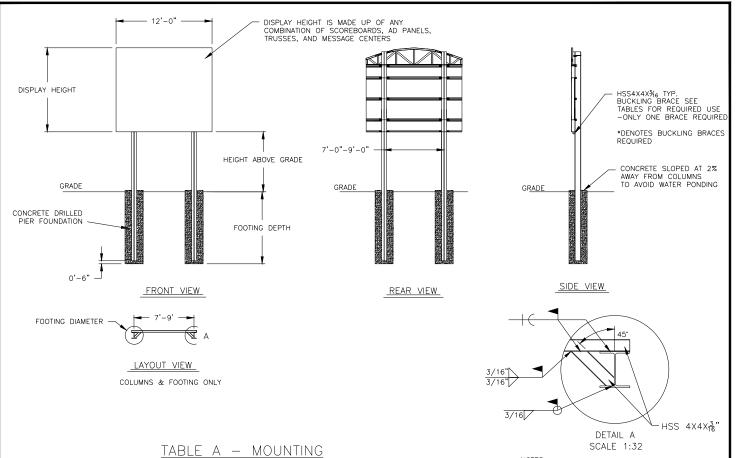


Football Mode – Optional vinyl captions shown



Lacrosse/Field Hockey Mode – Optional vinyl captions shown





EXPOSURE B

HEIGHT ABO	VE GRADE	= 10'	= 10'			HEIGHT ABOVE GRADE = 15'					
DISPLAY	DESIGN WIND VELOCITY		DISPLAY		DESIGN WIND VELOCITY						
HEIGHT (FT)		115 MPH	130 MPH	150 MPH	170 MPH	HEIGHT (FT)		115 MPH	130 MPH	150 MPH	170 MPH
4		W6X15 2.0'X5.5'	W6X15 2.0'X6.0'	W6X15 2.0'X6.5'	W6X20 2.0'X7.0'	4	COLUMN FOOTING	W8X18 3.0'X5.0'	W8X18 3.0'X5.5'	W8X21 3.0'X6.5'	W8X24 3.0'X7.0'
6	COLUMN FOOTING	W6X15 2.0'X6.5'	W8X18 2.0'X7.0'	W8X18 2.0'X7.5'	W8X21 2.0'X8.5'	6	COLUMN FOOTING	W8X18* 3.0'X6.0'	W12X21* 3.0'X6.5'	W10X22* 3.0'X7.5'	W10X26* 3.0'X8.0'
8	COLUMN FOOTING	W8X21 2.0'X7.0'	W8X21 2.0'X8.0'	W8X24 2.0'X8.5'	W12X26 3.0'X8.0'	8	COLUMN FOOTING	W8X21* 3.0'X7.0'	W8X24* 3.0'X7.5'	W12X26* 3.0'X8.0'	W12X30* 3.0'X9.0'
10		W8X24 2.0'X8.0'	w8x28 2.0'x8.5'	W10X22* 2.0'X9.5'	W10X26* 2.0'X10.5'	10	COLUMN FOOTING	W8X24* 3.0'X7.5'	W12X26* 3.0'X8.5'	W12X30* 3.0'X9.0'	W14X34* 3.0'X10.0'
12		W8X21* 2.0'X8.5'	W10X22* 2.0'X9.5'	W10X26* 3.0'X9.0'	W12X26* 3.0'X10.0'	12	COLUMN FOOTING	W12X26* 3.0'X8.5'	W10X39* 3.0'X9.0'	W14X34* 3.0'X10.0'	W12X40* 3.0'X11.0'

FOOTING DIMENSIONS = DIAMETER X DEPTH
* DENOTES BUCKLING BRACE REQUIRED

EXPOSURE C

HEIGHT ABO	VE GRADE	= 10'			HEIGHT ABO	VE GRADE	= 15'		
DISPLAY		DESIGN WIND VELOCITY		DISPLAY		DESIGN W	DESIGN WIND VELOCITY		
HEIGHT (FT)		115 MPH	140 MPH		HEIGHT (FT)		115 MPH	140 MPH	
4	COLUMN FOOTING	W8X15 2.0'X6.0'	W8X18 2.0'X7.0'		4	COLUMN FOOTING	W8X21 2.0'X7.0'	W8X24 2.0'X8.0'	
6	COLUMN FOOTING	W8X18 2.0'X7.0'	W10X22 2.0'X8.5'		6	COLUMN FOOTING	W8X21* 2.0'X8.0'	W8X24* 2.0'X9.0'	
8	COLUMN FOOTING	W8X24 2.0'X8.0'	W12X26 3.0'X8.0'		8	COLUMN FOOTING	W8X24* 3.0'X9.0'	W12X30* 3.0'X9.0'	
10	COLUMN FOOTING	W8X21* 2.0'X9.0'	W12X26* 3.0'X9.0'		10	COLUMN FOOTING	W12X26* 3.0'X8.5'	W14X34* 3.0'X10.0'	
12	COLUMN FOOTING	W10X22* 3.0'X8.5'	W12X26* 3.0'X10.0'		12	COLUMN FOOTING	W12X30* 3.0'X9.5'	W12X40* 3.0'X11.0'	

FOOTING DIMENSIONS = DIAMETER X DEPTH
* DENOTES BUCKLING BRACE REQUIRED

NOTE:
-REFER TO NOTE 7 FOR EXPOSURE CATEGORY DEFINITIONS.

NOTES:

- 1. FOOTING AND COLUMN SIZES ARE SUGGESTIONS ONLY, PROVIDED TO ASSIST WITH ESTIMATING INSTALLATION COSTS AND ARE NOT INTENDED FOR CONSTRUCTION PURPOSES. THE DESIGN MUST BE CERTIFIED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF THE INSTALLATION BEFORE THEY CAN BE USED FOR FABRICATION OF ERECTION.
- 2. INTERNATIONAL BUILDING CODE 2012 USED IN DESIGN OF COLUMNS AND FOOTINGS WITH, IMPORTANCE FACTOR=1, Kzt=1.0, Kd=0.85, G=0.85. SEISMIC DESIGN WAS NOT CONSIDERED.
- 3. FOOTING DIMENSIONS ARE BASED ON ASSUMED SOIL CLASS 4 (ALLOWABLE LATERAL BEARING PRESSURE OF 150 psf).
- 4. STRUCTURAL STEEL IS GRADE A992 (50 ksi) STEEL. CONCRETE SHALL HAVE A MINNIMUM 28 DAY COMPRESSIVE STRENGTH OF 2500 psi.
- 5. THE AVERAGE DISPLAY WEIGHT FOR A LAYOUT CAN NOT EXCEED 8 PSF.
- 6. DAKTRONICS INC. IS NOT RESPONSIBLE FOR STRUCTURES DESIGNED AND INSTALLED BY OTHERS.
- 7. LOCAL BUILDING OFFICIALS SHOULD BE CONTACTED TO DETERMINE THE WIND SPEED AND EXPOSURE CATEGORY FOR THE PROPOSED SIGN LOCATION. THE EXPOSURE CATEGORY C IS DEFINED

EXPOSURE B — URBAN AND SUBURBAN AREAS, OR OTHER TERRAIN WITH NUMEROUS SPACED OBSTRUCTIONS HAVING THE SIZE OF SINGLE—FAMILY DWELLINGS OR LARGER. THESE CONDITIONS MUST PREVAIL FOR A DISTANCE FROM THE SIGN OF AT LEAST 2,600 ft OR 20 TIMES THE SIGN HEIGHT, WHICHEVER IS GREATER

EXPOSURE C - OPEN TERRAIN WITH SCATTERED OBSTRUCTIONS HAVING HEIGHTS GENERALLY LESS THAN 30 FT. THIS CATEGORY INCLUDES FLAT OPEN COUNTRY, GRASSLANDS, AND ALL WATER SURFACES IN HURRICANE PRONE REGIONS.

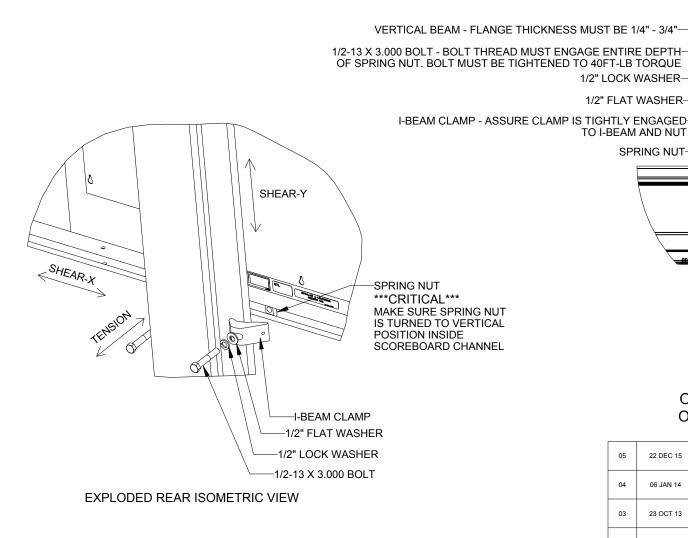
8. FOR SPECIFIC PRODUCT DETAILS ON WEIGHT, MOUNTING, ETC. REFER TO THE INDIVIDUAL PRODUCT SPECIFICATION SHEETS.

DAKTRONICS, INC. BROOKINGS, SD 57006 DO NOT SCALE DRAWING

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				PROJ:OUTDOOR S	SCORE	BOARD INSTALL	ATION	
				TITLE:12' WIDTH S	SCORE	BOARD INSTALL	ATION SPECS	
REV	DATE:	UPDATED WIDE FLANGE AND FOUNDATION VALUES	BY:	DESIGN: RSCHWAR	}	DRAWN: RSCH	WAR	DATE: 27 NOV 13
02	27 OCT 15		AMP	SCALE: 1/16"=1'				
REV	DATE:	UPDATED CLAMPS IN REAR AND SIDE VIEW AND	BY:	SHEET	REV	JOB NO:	FUNC-TYPE-SIZE	1157186
01	23 JUL 14	ADDED 170 WIND SPEC COLUMN	TJT		02	P1647	E - 10 - A	115/186



STANDARD MOUNTING METHOD

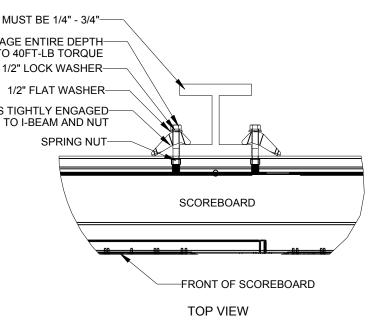
MOUNTING INSTRUCTIONS:

- PLACE SPRING NUTS INTO SCOREBOARD CHANNEL IN APPROXIMATE LOCATION OF VERTICAL BEAMS
- 2. LIFT SCOREBOARD INTO POSITION
- 3. MAKE SURE THE 1/2-13 BOLTS ARE AS CLOSE TO THE I-BEAM FLANGES AS POSSIBLE
- 4. WHEN SCOREBOARD IS ADJUSTED TO FINAL DESIRED POSITION, TIGHTEN BOLTS FIRMLY
- 5. IF FLANGE THICKNESS IS MORE THAN 3/4" THICK LONGER BOLTS WILL BE REQUIRED AT THE CUSTOMER'S EXPENSE.

STRUCTURAL NOTES

ALLOWABLE CAPACITY PER EACH CLAMP: SHEAR = 160 LBS TENSION = 2300 LBS

SHEAR AND TENSION LOAD DIRECTION ARE AS INDICATED ON REAR ISOMETRIC VIEW



CRITICAL DO NOT USE ANY LUBRICANT ON ANY MOUNTING HARDWARE OR WARRANTY WILL BE VOIDED

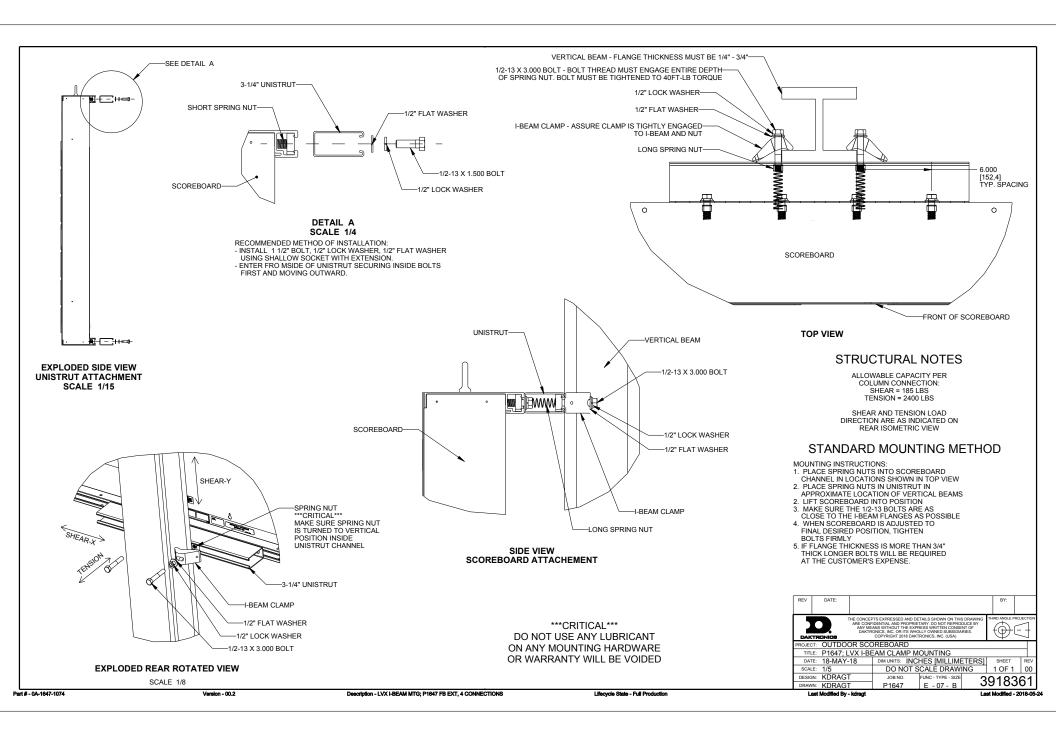
05	22 DEC 15	PER EC-22871; ADDED LUBRICANT NOTE	PJS 18704	
04	06 JAN 14	ADDED ALLOWABLE TENSION AND SHEAR CAPACITY DETAILS	JAVA	
03	23 OCT 13	PER EC-12382; CHANGED BOLT TORQUE FROM 30 FT-LB TO 40 FT-LB	NJM	
02	07 MAR 12	ADDED STANDARD MOUNTING METHODS NOTES	KDD	
01	21 FEB 12	CHANGED ROCKER TO I-BEAM	KDD	
REV	DATE:		BY:	

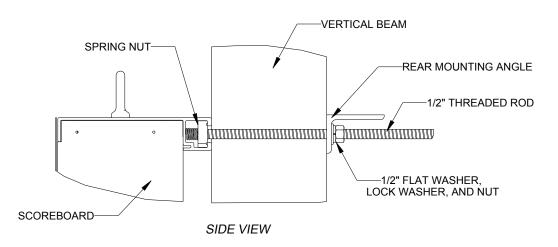


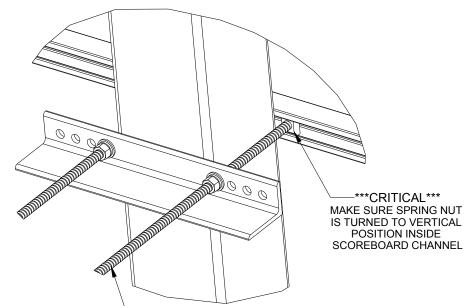
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G THIRD ANGLE PROJECTION

PROJECT:	OUTDOOR SCO	OUTDOOR SCOREBOARD							
TITLE:	P1647; I-BEAM CLAMP MOUNTING								
DATE:	22-DEC-15	DIM UNITS: INC	HES [MILLIME	TERS]	SHEET	REV			
SCALE:	1/8	DO NOT S	CALE DRAW	ING	1 OF 1	05			
DESIGN:	MCARSRU	JOB NO.	FUNC - TYPE - SIZE	1	05250	25			
DRAWN:	MCARSRU	P1647	E - 07 - A	I	0323	UU			







REAR ISOMETRIC VIEW

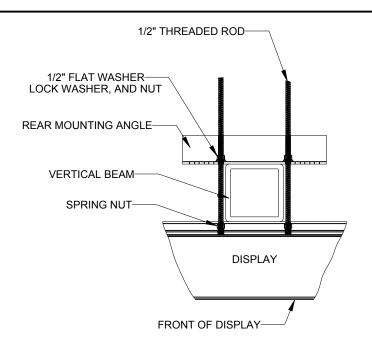
EXTRA THREADED ROD CAN BE CUT OFF

STRUCTURAL NOTES:

- BOLT TORQUE: 30 FT-LB

NOTES:

- THREADED RODS RUN ALONG BOTH SIDES OF BEAM
- RODS DO NOT PASS THROUGH THE FLANGES OF THE BEAM
- NO DRILLING NECESSARY
- MAKE SURE SPRING NUT IS PERPENDICULAR TO CHANNEL **OPENING ON SCOREBOARD**



TOP VIEW SCALE 1/10

CRITICAL DO NOT USE ANY LUBRICANT ON ANY MOUNTING HARDWARE OR WARRANTY WILL BE VOIDED

	04	22 DEC 15	PER EC-22871; ADDED LUBRICANT WARNING	PJS 18704	
	03	03 JULY 13	ADDED STRUCTURAL NOTE	TTF	
	02	20 SEP 12	PER EC-7114; REMOVED CHAMFER FROM 0M-133259	LMG	
	01	06 OCT 11	REPLACED VERTICAL I-BEAM WITH 6" X 6" SQUARE TUBE	JAVA	
ľ	REV	DATE:		BY:	

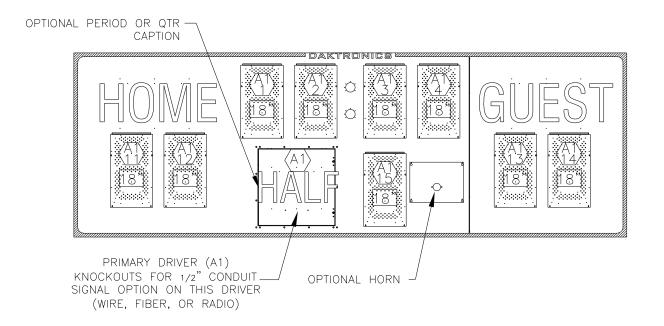


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THIRD ANGLE PROJECTION \bigoplus

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PROJECT:	OUTDOOR SCO	REBOARD	S			
TITLE:	P1647; POLE M	OUNTING (OPTIONS			
DATE:	22-DEC-15	DIM UNITS:	NCHES [MILLIME]	TERS]	SHEET	REV
SCALE:	1/5	DO NO	T SCALE DRAWIN	٧G	1 OF 1	04
DESIGN:	DOPPELT	JOB NO.	FUNC - TYPE - SIZE	1	04818	о <i>и</i>
DRAWN:	DOPPELT	P1647	E - 10 - A	l	04010	24

SO - 918 - R/A/W



FRONT VIEW

NOTES:



= LED DRIVER NUMBER & LED DRIVER CONNECTOR WIRED TO THAT DIGIT.



= DIGIT SIZE



= DRIVER NUMBER

REV 05	DATE: 10 AUG 20	PER CN-107858 REMOVED LABELS TO MOVE TO NEW STANDARAD	BY: TAN	
REV 04	DATE: 08 JAN 19	PER CN-70689, UPDATED LOCATION OF DAKTRONICS LOGO	BY: KDM	
REV 03	DATE: 27 FEB 15	PER EC-17119, REMOVED DETAIL A ADDED SIGNAL OPTION NOTE CHANGED MASTER TO PRIMARY	BY: KDB	
REV 02	DATE: 14 APR 14	PER EC-14117 REMOVE OPTIONAL COLON NOTE	BY: KDD	
REV 01	DATE: 17 DEC 13	PER EC-12908, ADDED TEXT FOR OPTIONAL PERIOD OR QTR CAPTIONS	BY: KDD	
		The state of the s	JIDD ANCLE DE	DO JECTION



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PROJECT:	OUTDOOR LED	SCOREBOAR	DS			
TITLE:	COMPONENT L	OCATION; SO	-918-R/A/W			
DATE:	31 OCT 11	DIM UNITS: INC	HES [MILLIME	TERS]	SHEET	REV
SCALE:	1=25	DO NOT S	CALE DRAW	ING		05
DESIGN:	KDRAGT	JOB NO.	FUNC - TYPE - SIZE		107398	21
DRAWN:	LGROOTW	P1647	E - 10 - A		107390	ו כ