

REVISIONS - ALL SHEETS SAME REVISION STATUS				
ZONE	LTR	DESCRIPTION	DATE (YYYY-MM-DD)	APPROVED
	-	RELEASE FROM XB W/O CHANGES ERR 114654	2012-01-17	CA

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- NOTES:
- RECOMMENDED SCREW MOUNTING TORQUE: 16 - 20 IN-OZ.
 - WHEN RE-INSERTING CAP, PRESS CAP IN UNTIL CAP SNAPS INTO PLACE.
 - SWITCH ASSEMBLY SHALL BE MARKED WITH THE FOLLOWING:
 - "KORRY"
 - SOURCE CODE
 - DATE CODE
 - KORRY SWITCH ASSEMBLY PART NUMBER
 - THE WORD "TOP" APPROX. AS SHOWN
 - NVIS TYPE, CLASS (IF APPLICABLE)
 - SWITCH ACTION:

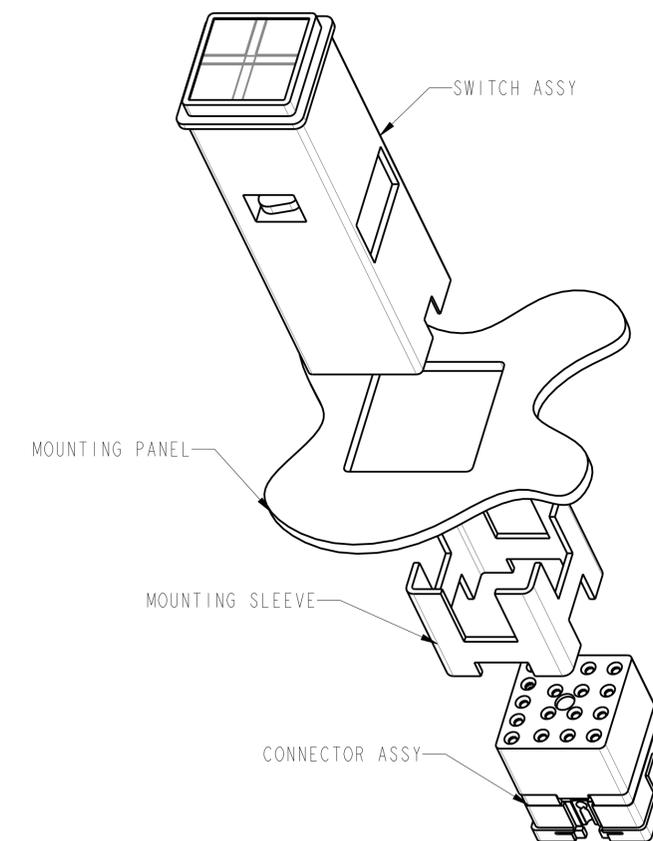
ALT - ALTERNATE: WHEN ACTUATED BY DEPRESSING CAP, SWITCH CONTACTS ARE MAINTAINED UNTIL ACTUATED AGAIN. I.E. EACH ACTUATION REVERSES THE POSITIONS OF THE CONTACTS.

MOM - MOMENTARY ACTION: WHEN ACTUATED BY DEPRESSING CAP, SWITCH CONTACTS ARE MAINTAINED UNTIL CAP IS RELEASED.

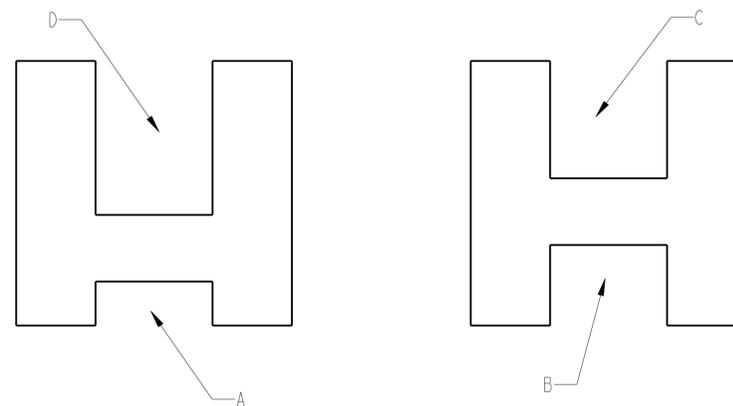
IND - INDICATOR: NO SWITCHING
 - SWITCH CONTACT RATING:

VOLTAGE: 28 VDC	SEA LEVEL	50,000 FEET
RESISTIVE	8 A	4 A
INDUCTIVE	4 A	2.5 A
LAMP	2.5 A	2.5 A

- VISIBLE LEGEND AREA REFERENCE ONLY.
- SWITCH TERMINALS ACCEPT CRIMP SOCKET M39029/22-192.
 - SOCKET P/N M39029/22-192, NOT FURNISHED BY KORRY, MAY BE CRIMPED TO A 20, 22, OR 24 GAGE WIRE. USING CRIMPING TOOL P/N M22520/7-01 AND POSITIONER M22520/7-20.
 - USE TOOL P/N M81969/14-10, NOT FURNISHED BY KORRY, TO INSERT OR REMOVE SOCKETS INTO/FROM CONNECTOR MODULE ASSEMBLY.
 - USE TOOL P/N M22885/108T8234, NOT FURNISHED BY KORRY, FOR REMOVING CONNECTOR MODULE FROM SWITCH.
- MAXIMUM DISPLAY INPUT CURRENT AT 28 VDC: 68 mA
- RESISTORS R21-R24 MAY BE REMOVED FOR SPLIT, 3-WAY, AND 4-WAY CONFIGURATION SEE TABLE 1.
- VR5-VR8 MAY BE REMOVED TO SUPPORT 2G2 LIGHTING. DIM RESISTORS (R9-R12) WILL ALSO NEED TO BE SET FOR 2G2. SEE TABLE 2.
- MOUNTING SLEEVE RANGE:



TABULATION	
SLOT	MOUNTING PANEL RANGE
A	.032" TO .132"
B	.132" TO .232"
C	.232" TO .332"
D	.332" TO .432"



SEE SEPARATE PARTS LIST

FOR REF ONLY

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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES
TOLERANCES ON 2 PLACE 3 PLACE ANGLES
±.01 ±.005 ±2.0
INTERPRET DIM AND TOL PER ASME Y14.5M-1994
INTERPRET DRAWING PER ASME Y14.100-2004
NO CHANGES MAY BE MADE TO THIS DRAWING EXCEPT BY NATIVE CAD TOOL INPUT TO THE CAD FILE



CONTRACT NUMBER
CONTRACTOR
DRAWN BY DATE (YYYY-MM-DD)
P. NGUYEN 2010-02-26
ENGINEER DATE (YYYY-MM-DD)
P. SANTIAGO 2010-02-26
SEE RELEASE RECORD FOR APPROVALS
SEE SEPARATE APPLICATION LIST

Esterline Control Systems
Korry Electronics Co. 11910 Beverly Park Road Everett, WA 98204

TITLE
389 LED SWITCH ASSEMBLY

SIZE	CAGE CODE	DRAWING NO	REV
D	81590	44258	-

SCALE NONE SHEET 1 OF 4

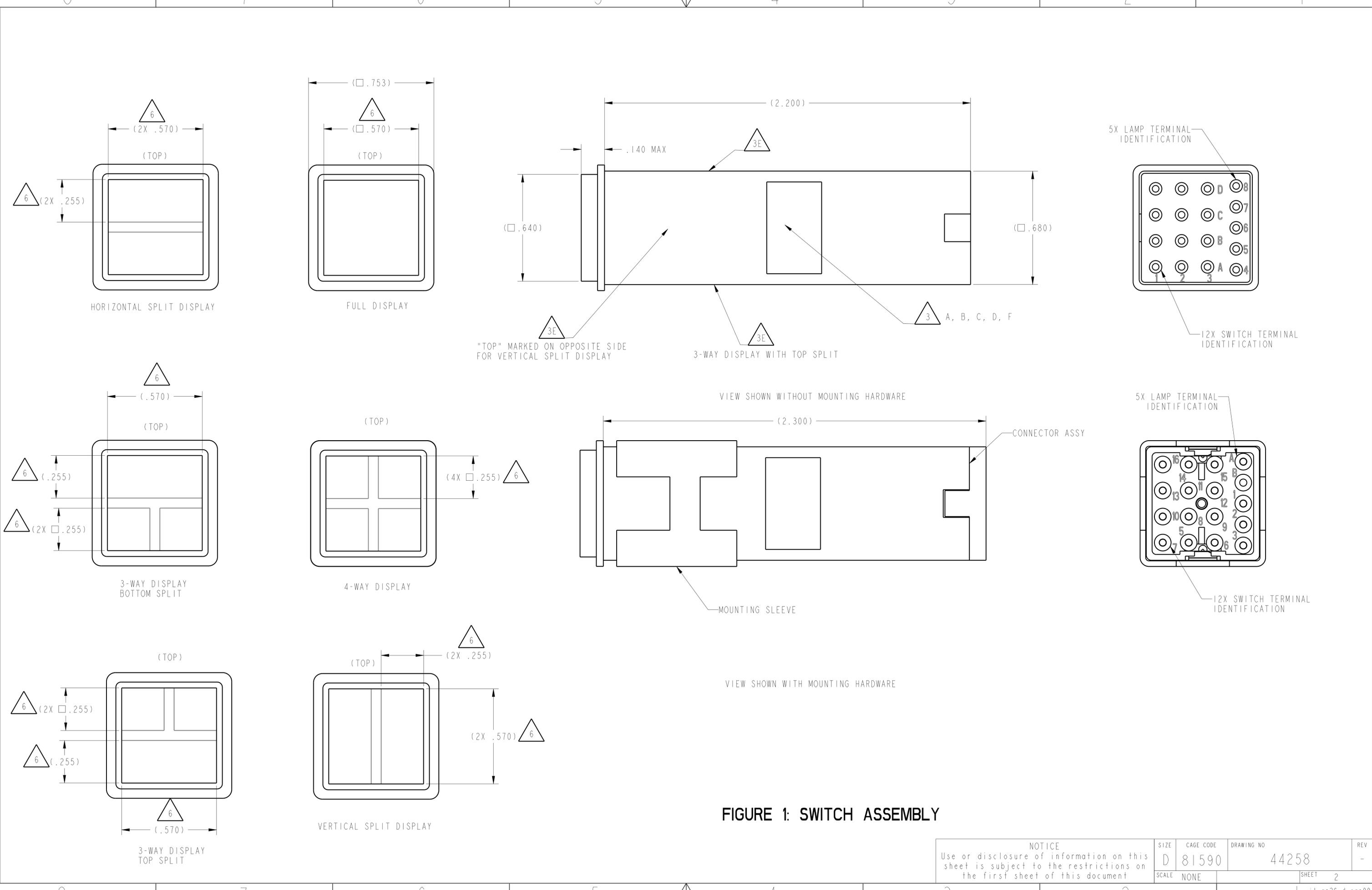


FIGURE 1: SWITCH ASSEMBLY

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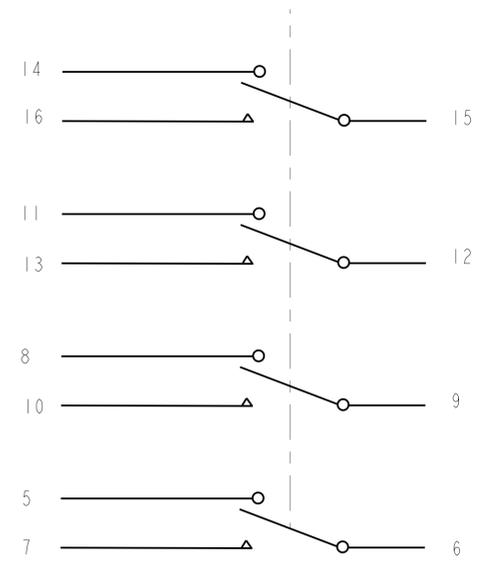
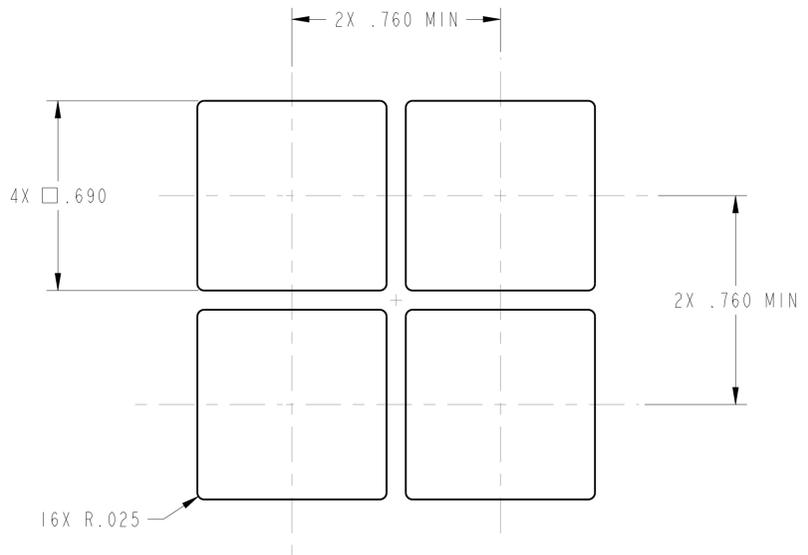


FIGURE 2: SWITCH CIRCUIT DIAGRAM

LAMP CIRCUIT FIGURE	CCA CONFIGURATION	ZERO OHM JUMPERS RESISTORS TO BE KEPT	ZERO OHM JUMPERS RESISTORS TO BE REMOVED
3	FULL	R21-R24	N/A
3A	HORIZONTAL SPLIT	R21, R22	R23, R24
3B	VERTICAL SPLIT	R23, R24	R21, R22
3C	3-WAY (TOP HALF, BOTTOM QUARTER)	R21	R22- R24
3D	3-WAY (TOP QUARTER, BOTTOM HALF)	R22	R21, R23, R24
3E	4-WAY	N/A	R21-R24



RECOMMENDED PANEL CUTOUT

2G2 QUADRANT	ZENER DIODE TO REMOVE	DIM RESISTOR TO BE REPLACED WITH SMR0603T1002F (10KΩ)
TOP RIGHT	VR5	R9
TOP LEFT	VR6	R10
BOTTOM RIGHT	VR7	R11
BOTTOM LEFT	VR8	R12

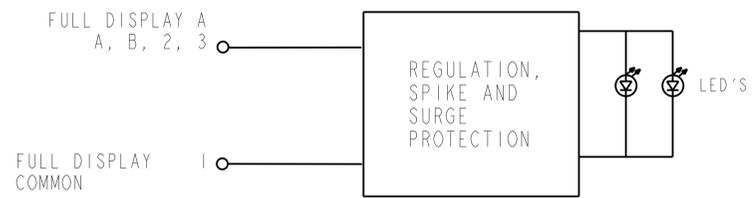


FIGURE 3: FULL DISPLAY (BIPOLAR)

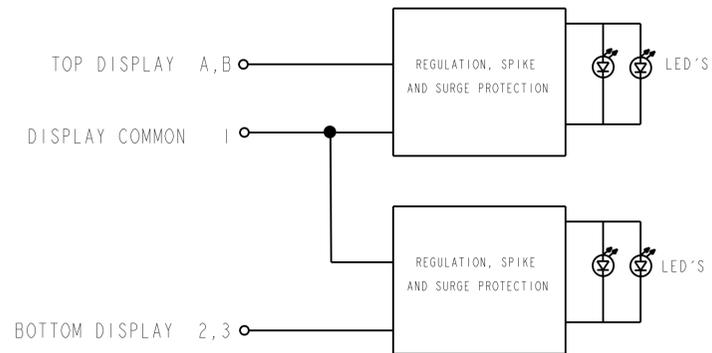


FIGURE 3A: HORIZONTAL SPLIT DISPLAY (BIPOLAR)

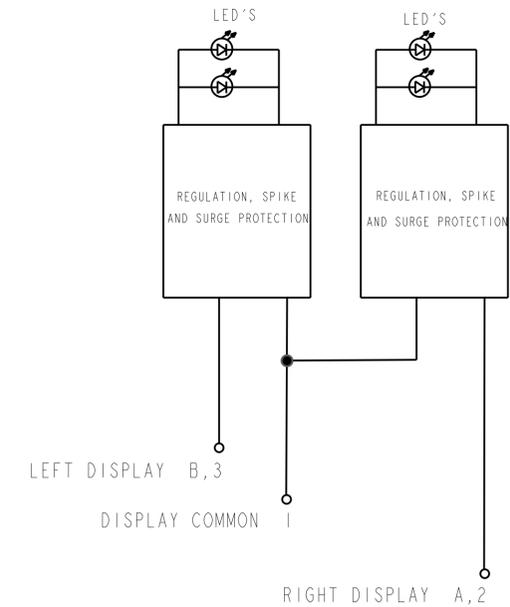


FIGURE 3B: VERTICAL SPLIT DISPLAY (BIPOLAR)

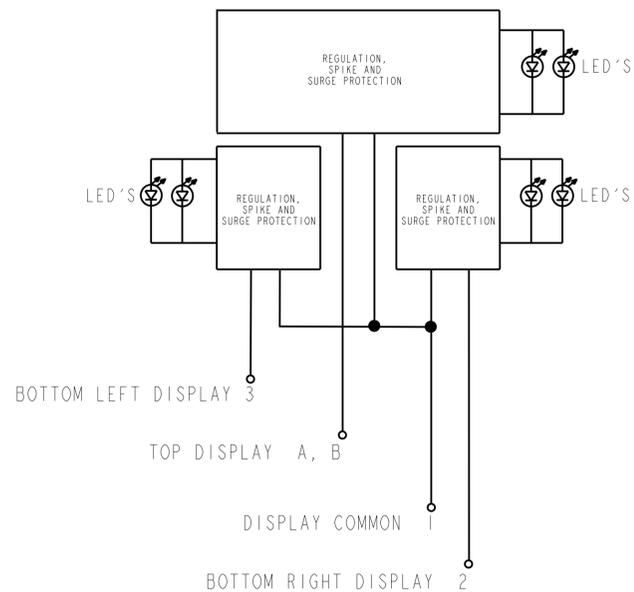


FIGURE 3C: 3-WAY DISPLAY (BIPOLAR, TOP HALF, BOTTOM QUARTER)

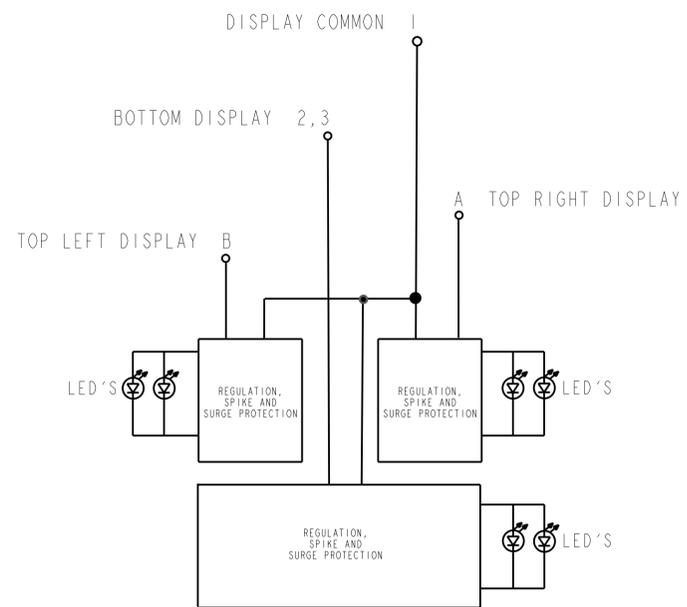


FIGURE 3D: 3-WAY DISPLAY (BIPOLAR, TOP QUARTER, BOTTOM HALF)

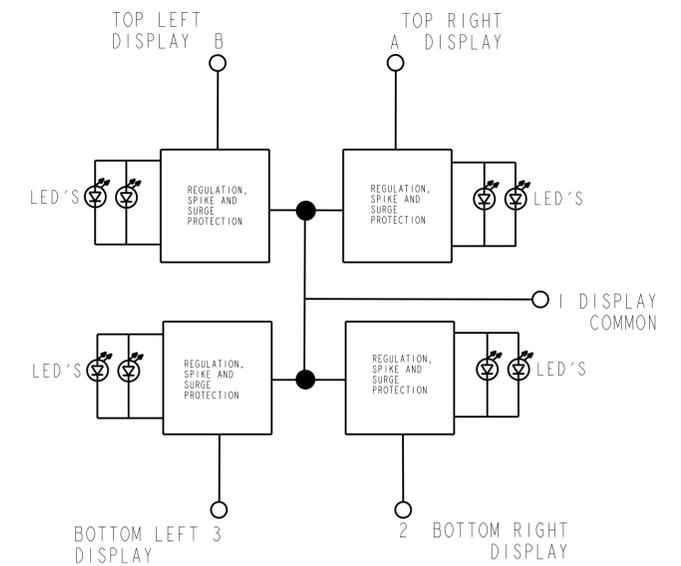


FIGURE 3E: 4-WAY DISPLAY (BIPOLAR)

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