

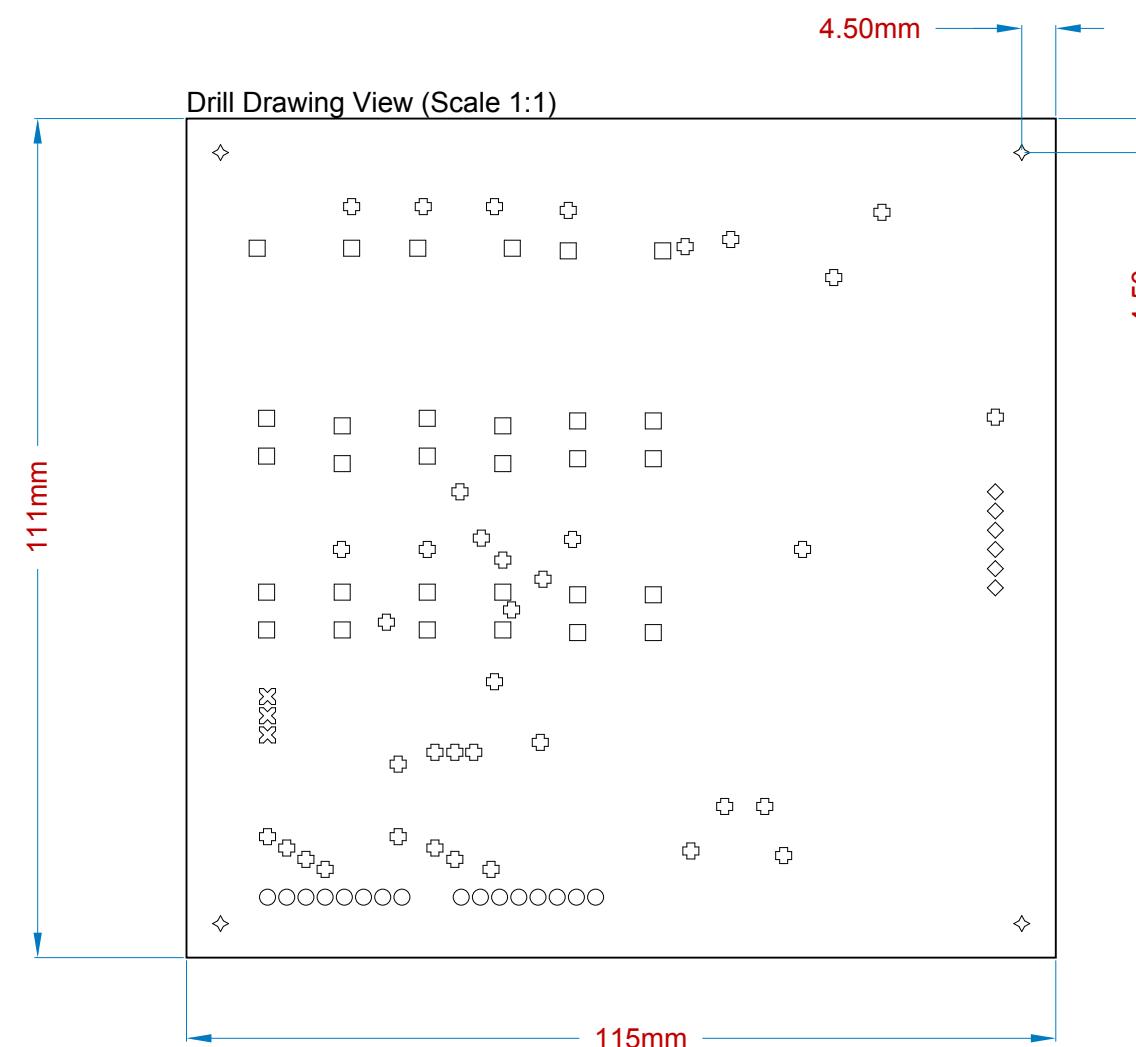
Comment	Description	Designator	Footprint	LibRef	Quantity
0.33 uF	No Description Available	C1	TAJB	TAJB334K050RNJ	1
0.1 uF	No Description Available	C2, C4, C5	402	0402YD104KAT2A	3
470 uF	Capacitor Polarised	C3	CAPAE1700X1700N	EEE-FK1H471AM	1
RGF1JHE3_5CA	Diode	D1, D2, D3, D4, D5, D6	DIOM5426X274N	RGF1JHE3_5CA	6
SML-LXT0805IW-TR	LED, RED, 635 nm, 2 V	DS1, DS4, DS5	LUMX-SML-LXT0805_V	CMP-1724-00002-1	3
SML-LXT0805GW-TR	LED, GREEN, 565 nm, 2 V	DS2, DS3	LUMX-SML-LXT0805_V	CMP-1724-00001-1	2
Yellow 2 x 1.25 mm 140° Diffused 10 mcd 2.1 V Thin PCB Surface Mount LED					
SML-LXT0805YW-TR		DS6, DS7, DS8	*LEDC2012X80N_SML	SML-LXT0805YW-TR	3
SR6M4024	Force guided relay; 3N	K1, K2	SR6M	SR6M4024	2
SR6D4024		K3	SR6D	SR6D4024	1
640456-3	Connector	P1	CONN3_640456-3	640456-3	1
22-27-2081	Connector	P2, P4	HDRV8W64P0X254_1X	22-27-2081	2
22-23-2061	Connector	P3	SHDR6W87P0X254_1X	22-23-2061	1
SQJ481EP-T1_GE3	MOSFET (N-Channel)	Q1, Q2	SQJA72EPT1_GE3	SQJ481EP-T1_GE3	2
SIHFL110TR-GE3	Transistor	Q3, Q4	SOT230P700X180-4N	SIHFL110TR-GE3	2
536	No Description Available	R1, R2	RC0805N	ERJ-6ENF5360V	2
768	No Description Available	R3, R4, R5	RC0805N	ERJ-6ENF7680V	3
CRGS0603J4K7	Resistor	R6, R7, R8, R10	RESC1608X55N	CRGS0603J4K7	4
4640	No Description Available	R9, R11, R13, R14, R15	RC1206N	ERJ-8ENF4641V	9
200	No Description Available	R12	RC1210N	ERJ-14NF2000U	1
10K	No Description Available	R16, R18	RC0603N	ERJ-3EKF1002V	2
5360	No Description Available	R17	RC0603N	ERJ-3EKF5361V	1
20K	No Description Available	R19	RC0603N	ERJ-3EKF2002V	1
121K	No Description Available	R23	RC0603N	ERJ-3EKF1213V	1
1M	No Description Available	R24, R29	RC0603N	ERJ-3EKF1004V	2
523K	No Description Available	R25	RC0603N	ERJ-3EKF5233V	1
191K	No Description Available	R27	RC0603N	ERJ-3EKF1913V	1
681K	No Description Available	R28	RC0603N	ERJ-3EKF6813V	1
LTV-817S	Undefined or Miscellaneous	U1, U4	SOP254P1016X460-4N	LTV-817S	2
UA7805CKTTR	Integrated Circuit	U2	KTT-(R-PSFM-G3)	UA7805CKTTR	1
TCMD4000	Quad optoisolator	U3	SOIC127P695X210-16N	TCMD4000	1
LTC6994CS6-1	Delays rising or falling	U5	TSOT-23_S6	LTC6994CS6-1	1
LTC6993CS6-4	Monostable; -input, -o	U6	TSOT-23_S6	LTC6993CS6-4	1

A

B

C

D



Drill Table

Symbol	Count	Hole Size	Plated	Hole Tolerance
+	37	0.71mm	Plated	None
×	3	1.02mm	Plated	None
◇	6	1.05mm	Plated	None
○	16	1.10mm	Plated	None
□	30	1.30mm	Plated	None
◇	4	3.40mm	Plated	None
96 Total				

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		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR: MACH ± BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ±		NAME	DATE	National Optronics 9E Safety Relay Board			
		INTERPRET GEOMETRIC TOLERANCING PER:	DRAWN		3/28/2019				
		MATERIAL	CHECKED			TITLE			
		NEXT ASSY	USED ON	ENG APPR.	MFG APPR.				
		APPLICATION		Q.A.		COMMENTS:			
		FINISH		DO NOT SCALE DRAWING		SIZE	DWG. NO.		
		APPLICATION		DO NOT SCALE DRAWING		40823			
		FINISH		DO NOT SCALE DRAWING		SCALE:	1:1	WEIGHT:	SHEET 1 OF 1