



Texas Instruments and/or its licensors do not warrant the accuracy or completeness of this specification or any information contained therein. Texas Instruments and/or its licensors do not warrant that this design will meet the specifications, will be suitable for your application or fit for any particular purpose, or will operate in an implementation. Texas Instruments and/or its licensors do not warrant that the design is production worthy. You should completely validate and test your design implementation to confirm the system functionality for your application.

Orderable:	Designed for:	Mod. Date: 6/10/2020
TID #:	Project Title:	
Number:	Rev:	Sheet Title: *
SVN Rev: Not in version control	Assembly Variant: [No Variations]	Sheet: * of *
Drawn By: *	File: POX_V1.2.SchDoc	Size: A3
Engineer:	Contact:	

Comment	Description	Designator	Footprint	LibRef	Quantity
GRM188R60 J106ME84	CAP, CERM, 10 uF, 6.3 V, +/- 20%, XSR, 0403	C1	0603L	CMP- 0007304-5	1
GRM155R61 A104KA01D	CAP, CERM, 0.1 uF, 10 V, +/- 10%, XSR, 0402	C2, C7	0402L	CMP- 0006562-2	2
C1005NP01 H102J050BA	CAP, CERM, 1000 pF, 50 V, +/- 5%, COG/NPO, 0402	C3	0402L	CMP- 0006254-2	1
GRM1555C1 E120JA01D	CAP, CERM, 12 pF, 25 V, +/- 5%, COG/NPO, 0402	C4, C5	0402L	CMP- 0006375-2	2
GRM1555C1 H1ROCA01D	CAP, CERM, 1 pF, 50 V, +/- 5%, COG/NPO, 0402	C6	0402L	CMP- 0006427-2	1
GRM155R61 A10SKE1SD	CAP, CERM, 1 uF, 10 V, +/- 10%, XSR, 0402	C8	0402L	CMP- 0006563-2	1
BPW 34 SR	PIN Photodiode, SMD	D1	BPW34SR	CMP- 0005335-2	1
951105- 8622-AR	Header, 2mm, 5x1, Gold, Black, TH	J1	3M_951105- 8622-AR	CMP- 0075215-1	1
M22- 2510605	Header, 2mm, 6x1, Gold, TH	J2	Harwin_M22 -25106	CMP- 0075299-1	1
PTT-103-01- L-S	Header, 2mm, 3x1, Gold, TH	J3	Samtec_PTT- 103-01-x-S	CMP- 0055571-1	1
BSS138W-7- F	MOSFET, N- CH, 50 V, 0.2 A, SOT-323	Q1, Q2	SOT-323	CMP- 0000757-1	2
BC849CLT1G	Transistor, NPN, 30 V, 0.1 A, SOT- 23	Q3	SOT-23	CMP- 0000378-2	1
CRCW04024 7K0JNED	RES, 47 k, 5%, 0.063 W, AEC-Q200 Grade 0, 0402	R1	0402L	CMP- 0026935-3	1
CRCW04021 M00FKED	RES, 1.00 M, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	R2	0402	CMP- 0026100-2	1
CRCW04022 K20JNED	RES, 2.2 k, 5%, 0.063 W, AEC-Q200 Grade 0, 0402	R3, R4	0402L	CMP- 0026890-5	2
504L50R0FT NCF1	RES, 20, 1%, 0.125 W, AEC-Q200 Grade 1, 0402, RES, 50, 1%, 0.125 W, AEC-Q200 Grade 1, 0402	RS, R6	0402L	CMP- 0025948-2	2
CRCW04021 0R0JNED	RES, 10, 5%, 0.063 W, AEC-Q200 Grade 0, 0402	R7	0402L	CMP- 0026827-3	1
CRCW04021 0K0JNED	RES, 10 k, 5%, 0.063 W, AEC-Q200 Grade 0, 0402	R8	0402L	CMP- 0026825-5	1
CRCW04021 K00JNED	RES, 1.0 k, 5%, 0.063 W, AEC-Q200 Grade 0, 0402	R9	0402L	CMP- 0026852-3	1
B3SL-1002P	SWITCH TACTILE SPST-NO 0.05A 12V	S1	SW_B3SL- 1002P	CMP- 0002310-1	1
MSP430FR2 355RSM	MSP430FR2 35x mixed- signal microcontrol lers, RSM0032B (VQFN-32)	U1	RSM0032B	CMP- 0860022-1	1
0.96 inch LCD RGB display		U2	GMT096-01	GMT096-01	1
ECS-327- 12.5-34B-TR	Crystal, 32.768 KHz, 20 ppm, SMD	Y1	ECS_ECX_31 B	CMP- 0078856-1	1