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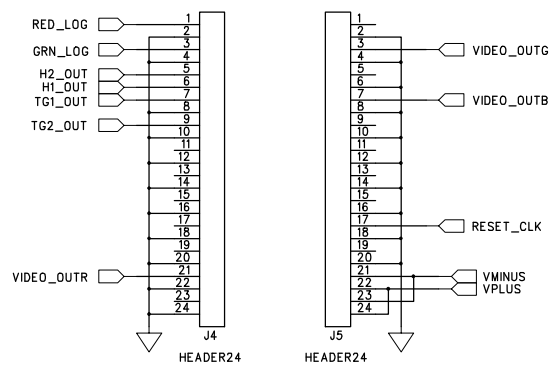
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**ON Semiconductor**

TITLE: KLI-2113 SENSOR BOARD

DATE REF:
PS-0125, Rev 1SIZE:
BDRAWING NO:
Part # 3E8207 Sheet 1 of 7REV:
1

DRAWN BY: J. MAYNARD

APPROVED BY: R. BROLLY

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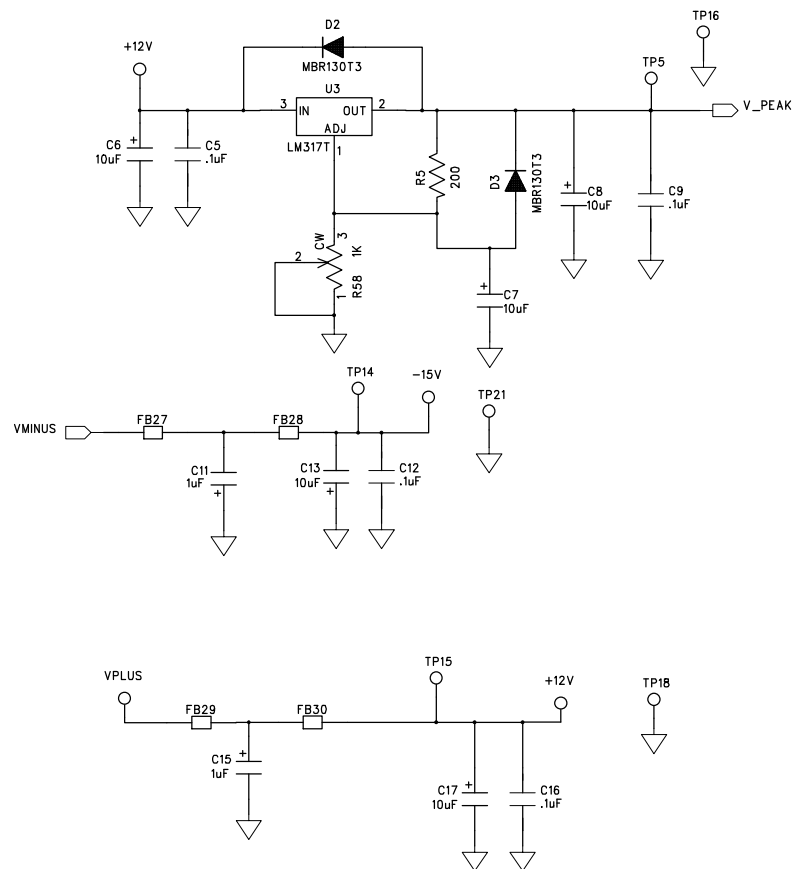
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ON Semiconductor

TITLE: KLI-2113 SENSOR BOARD

DATE REF:

SIZE:
BDRAWING NO:
Part # 3E8207 Sheet 2 of 7REV:
1

DRAWN BY: J. MAYNARD

APPROVED BY: R. BROLLY

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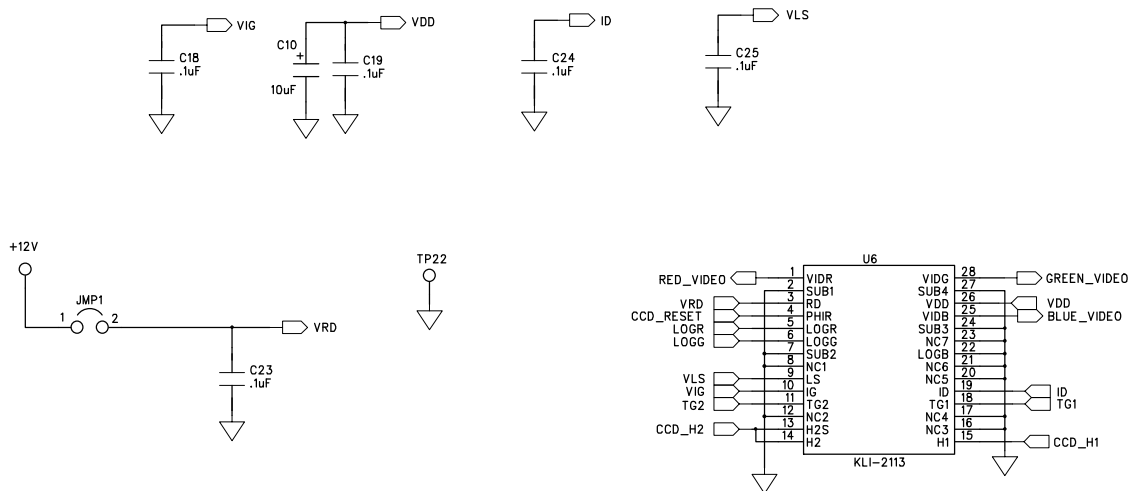
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- * 1. ALL UN-CONNECTED PINS ON U6 ARE ROUTED TO GROUND CONNECTIONS.
2. ALL SUBSTRATE CONNECTIONS ON U6 ARE DIRECTLY TIED TO THE GROUND PLANE.
3. SIGNAL NAMES VDD, ID, VLS, AND VIG ARE TIED DIRECTLY TO +12V.

ON Semiconductor

TITLE:

KLI-2113 SENSOR BOARD

DATE REF:

SIZE:

DRAWING NO:

REV:

B

Part # 3E8207 Sheet 3 of 7

1

DRAWN BY: J. MAYNARD

APPROVED BY: R. BROLLY

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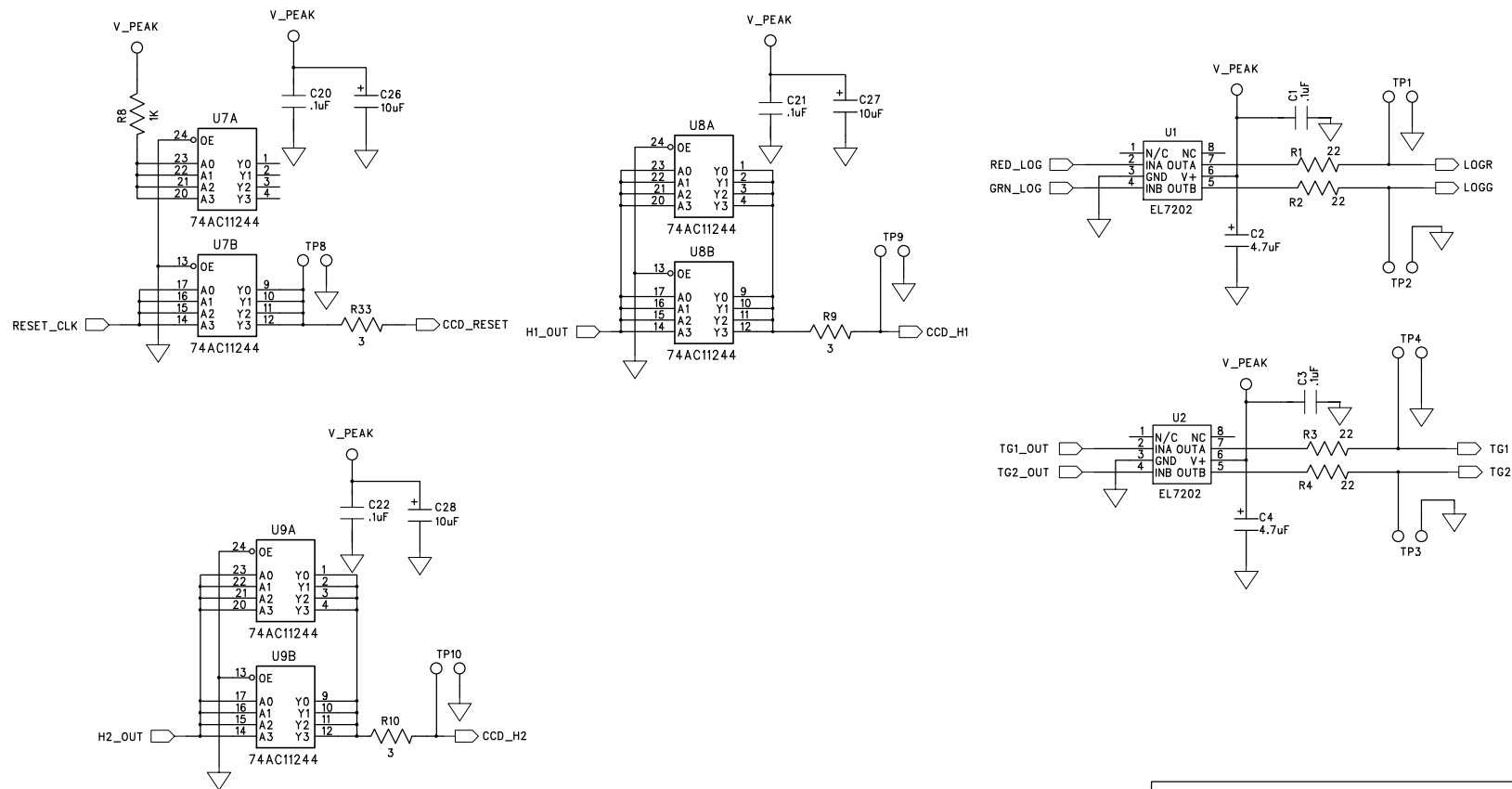
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ON Semiconductor			
TITLE: KLI-2113 SENSOR BOARD			
DATE REF:	SIZE: B	DRAWING NO: Part # 3E8207 Sheet 4 of 7	REV: 1
DRAWN BY: J. MAYNARD		APPROVED BY: R. BROLLY	

KLI-2113 IMAGER BOARD

3E8207 PARTS LIST

4/25/2013

REV2

<u>PART</u>	<u>DESCRIPTION</u>	<u>PACKAGE</u>	<u>QTY</u>	<u>REFERENCE #</u>	<u>PRICE</u>	<u>Cost</u>	<u>MANUFACTURER</u>	<u>DISTRIBUTER</u>
2743019447	FERRITE BEAD	SMT	13	FB3-6,FB9-13,FB27-30	0.07	0.91	FAIR RITE	NEWARK
C0805C104K5RACTU	.1uF 50V	CAP 0805	23	C1,C3,C5,C9,C12,C14,C16,C18-25,C29 C31,C35-36,C41-43,C48	0.02	0.46	KEMET	DIGIKEY
TMC1VB105KLRH	1uF, 10%, 35V	CAP B CASE	2	C11,C15	0.44	0.88	KOA	OCTOPART
1206YC105MAT2A	1 uF 16V	CAP 1206	3	C30,C37,C44	0.09	0.27	AVX	DIGIKEY
T491B475M020AT	4.7 uF 20V	CAP B CASE	8	C2,C4,C33-34,C38-39,C45-46	0.09	0.72	KEMET	DIGIKEY
TMC-MC1D106MTR	10 uF 20V	CAP C CASE	12	C6-8,C10,C13,C17,C26-28,C32,C40,C47	0.16	1.92	HITACHI	OCTOPART
CRCW08050000Z0EA	0 OHM	RES 0805	3	R12,R20,R28	0.01	0.03	DALE	DIGIKEY
CRCW08053R00FKEA	3 OHM, 5%	RES 0805	3	R9-10,R33	0.01	0.03	DALE	DIGIKEY
CRCW080522R0FKEA	22 OHM 5%	RES 0805	7	R1-R4,R6,R17,R25	0.01	0.07	DALE	DIGIKEY
CRCW080541R2FKEA	41.2 OHM 1%	RES 0805	3	R16,R24,R32	0.01	0.03	DALE	DIGIKEY
CRCW0805130RFKEA	130 OHM 1%	RES 0805	3	R7,R18,R26	0.01	0.03	DALE	DIGIKEY
CRCW0805200RFKEA	200 OHM 1%	RES 0805	1	R5	0.01	0.01	DALE	DIGIKEY
CRCW0805249RFKEA	249 OHM 1%	RES 0805	6	R14-15,R30-31,R38-39	0.01	0.06	DALE	DIGIKEY
CRCW1210680RFKEA	680 OHM 5%	RES 1210	3	R11,R19,R27	0.2	0.6	DALE	DIGIKEY
CRCW08051K00FKEA	1K OHM 5%	RES 0805	1	R8	0.01	0.01	DALE	DIGIKEY
3296W-1-102LF	1K POT .5W	THRU-HOLE	1	R58	0.62	0.62	BOURNS	DIGIKEY
CRCW080510K0FKEA	10K OHM 1%	RES 0805	3	R13,R21,R29	0.01	0.03	DALE	DIGIKEY
MMBT3904LT1G	NPN TRANSISTOR	SOT-23	3	Q1-3	0.03	0.09	MOTOROLA	DIGIKEY
74ACT11244DW	BUFFER	SOL-24	3	U7-9	0.81	2.43	TEXAS INSTR.	DIGIKEY
EL7202CSZ	DRIVER	SOIC-8	2	U1-2	3.47	6.94	ELANTEC	DIGIKEY
LM317T	REGULATOR	TO-220	1	U3	0.36	0.36	NATIONAL	FAIRCHILD
AD818AR	VIDEO DRIVER	S0-8	3	U4-5,U10	2.94	8.82	ANALOG DEV	AVNET
MBRS130T3G	SHTKY PWR RECT	DIODE	2	D2-D3	0.15	0.3	MOTOROLA	DIGIKEY
221789-1	VERTICAL SMA CONN	THRU-HOLE	3	J1-3	5.23	15.69	AMP	NEWARK
BCS-112-L-D-TE	24 POS CONN	THRU HOLE	1	J5	1	1	SAMTEC	SIMCONA
5-826632-0	BREAKAWAY STRIP	HEADER 24	1	J4	0	0	AMP	LAB
5-826632-0	BREAKAWAY STRIP	2 PIN	1	JMP1	0	0	AMP	LAB
5-826632-0	BREAKAWAY STRIP	TEST POINT	7	TP5,TP14-16,TP18,TP21-22	0	0	AMP	LAB
LEAVE THESE HOLES UNPOPULATED		TEST HOLE	10	TP1-4,TP6,TP8-12	0	0	N/A	N/A

3E8207

0555-015012027100	SINGLE PINS	THRU HOLE	28	U6 HOLES	0.22	6.16	MILL MAX	NEWARK
TOTAL PART COUNT			160			48.47		