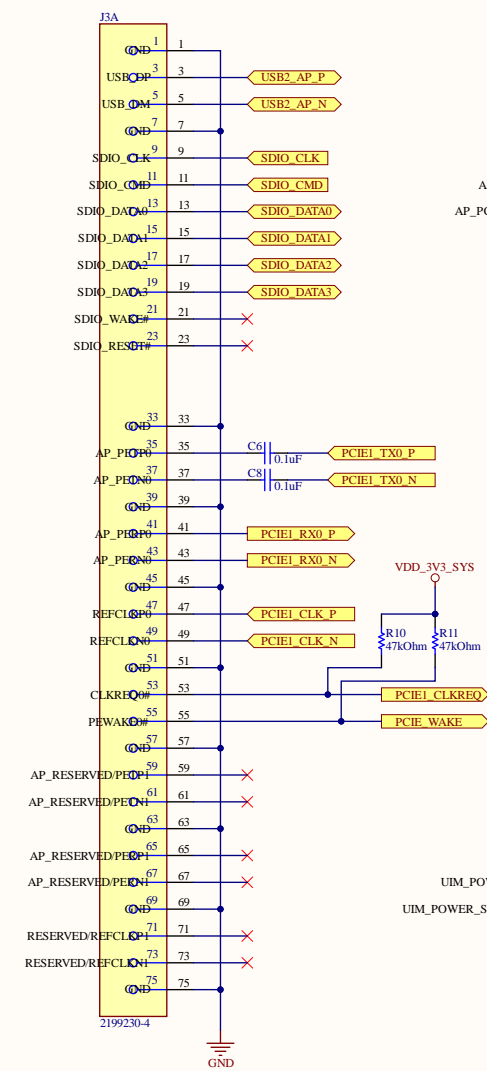
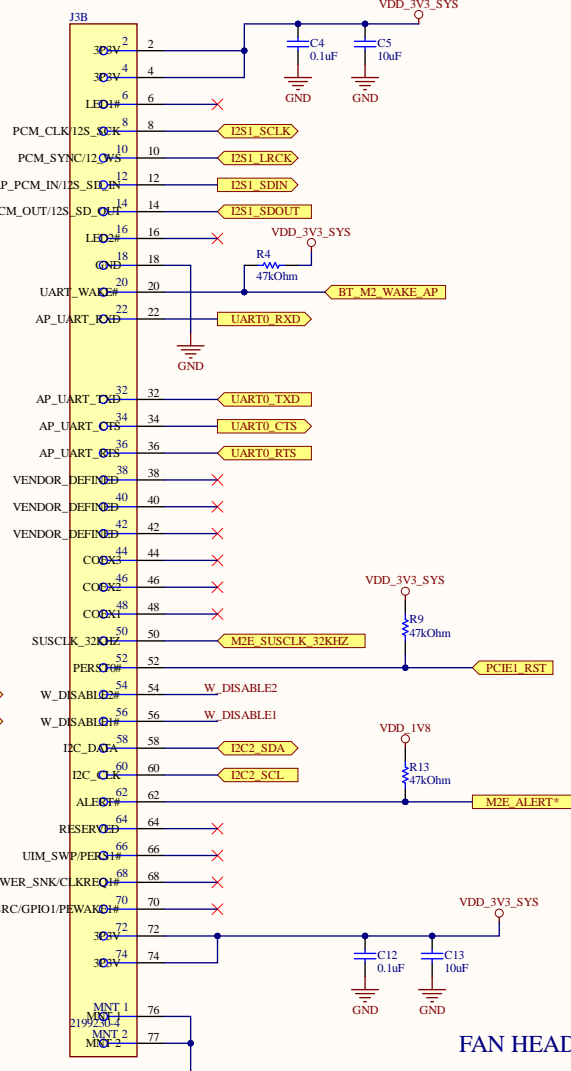
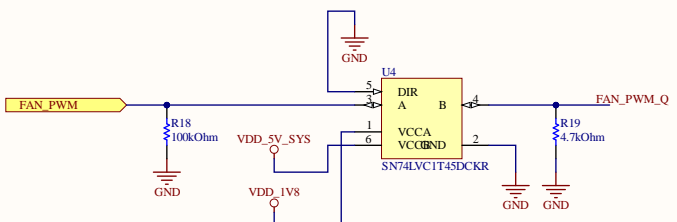


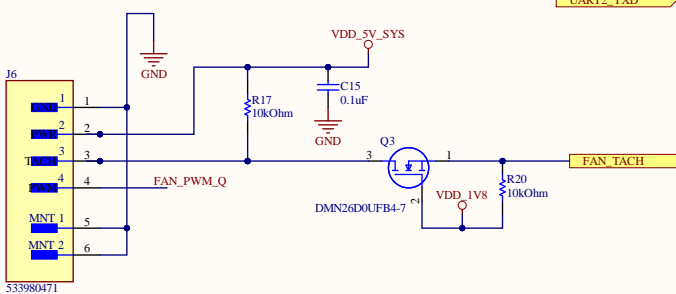
M.2 KEY E



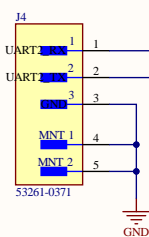
LEVEL SHIFTER



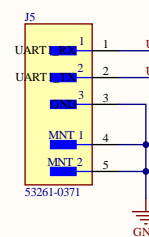
FAN HEADER



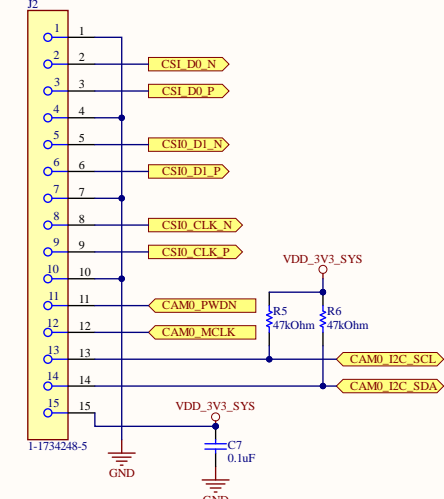
UART



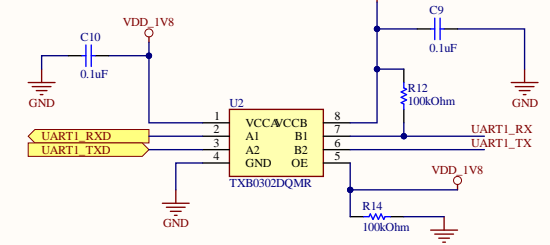
UART



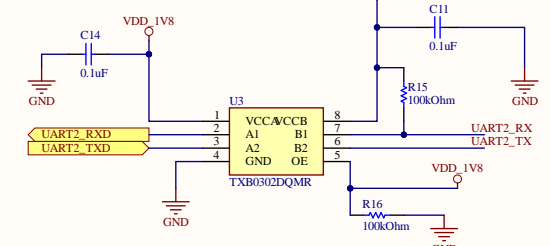
CSI CAMERA



LEVEL SHIFTER

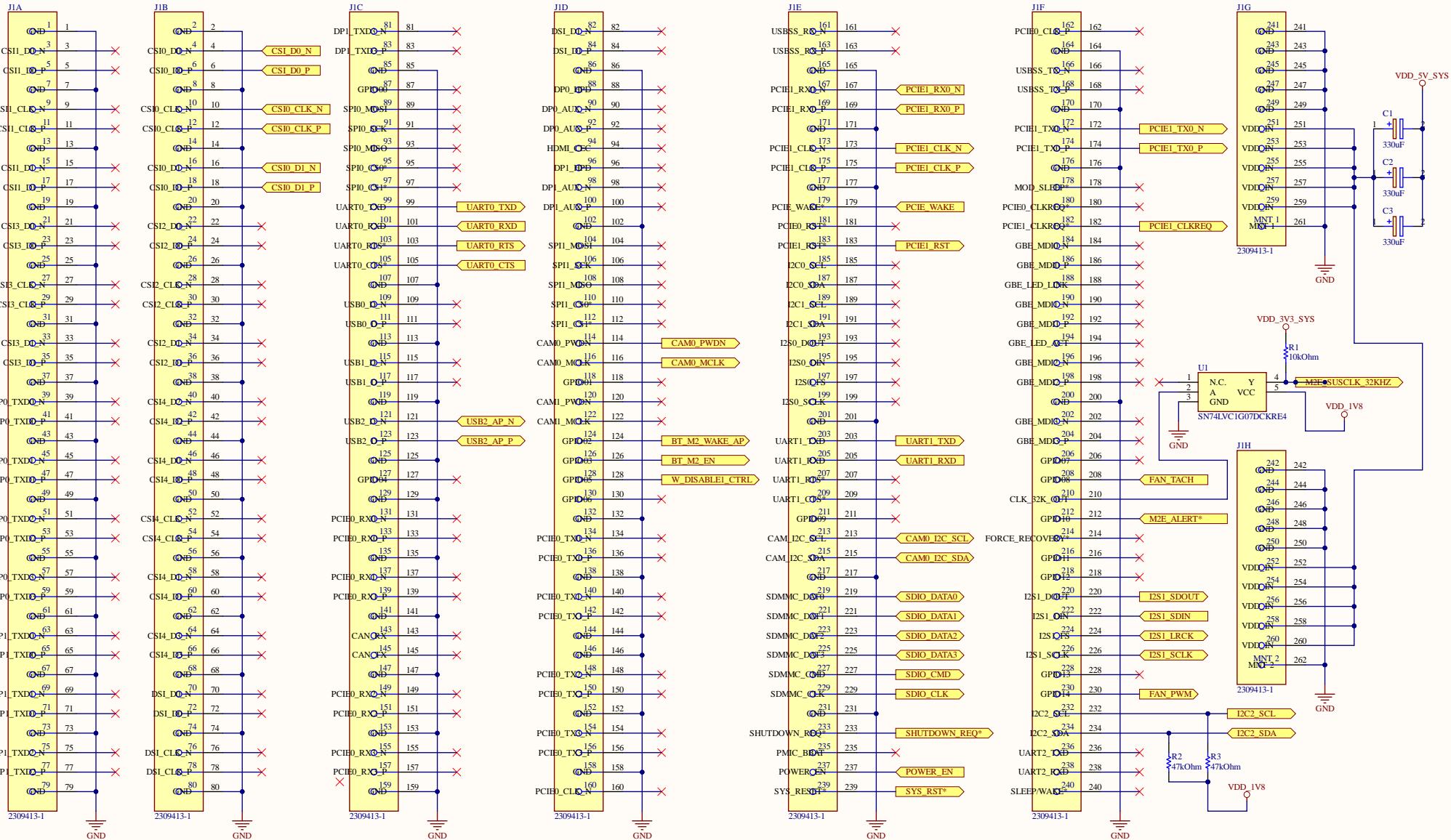


LEVEL SHIFTER



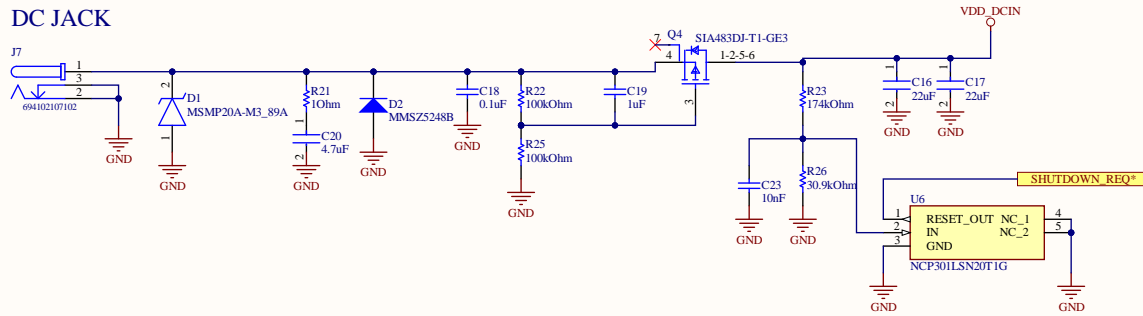
Title: Group 19 - Aigle I/O Connectors			Revision
Size A3	Number		
Date: 6-21-2020			Sheet 1 of 3
File: C:\Users\...IO_Connector.SchDoc			Drawn By: Danny Huang

SODIMM 260-PIN CONNECTOR

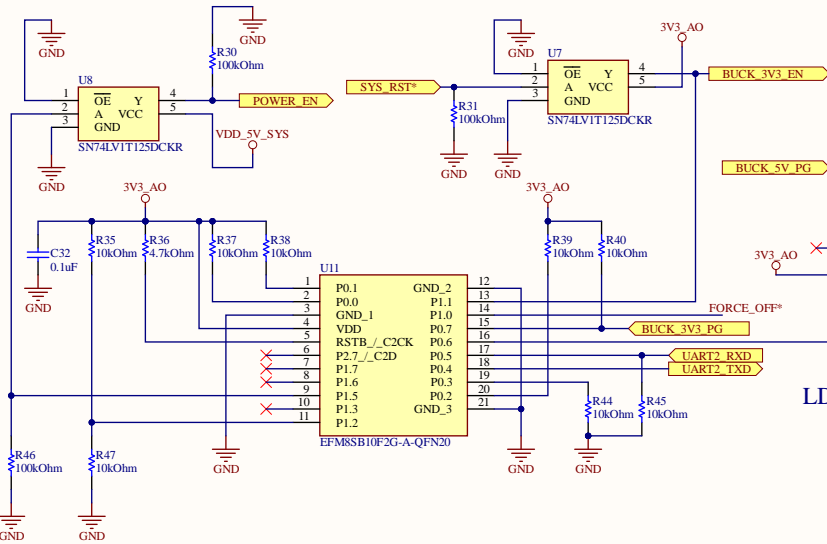


Title			Group 19 - Algle		
			260-Pin SODIMM Connector		
Size		Number		Revision	
A3					
Date:		6-21-2020		Sheet 2 of 3	
File:		C:\Users\... \SODIMM_Connector.SchDoc		Drawn By: Danny Huang	

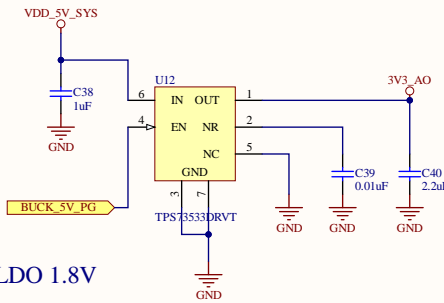
DC JACK



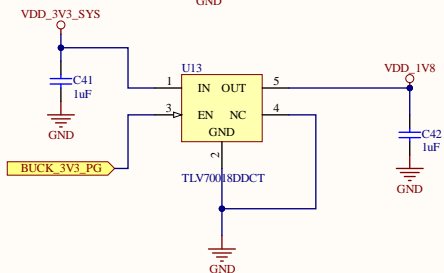
POWER MCU



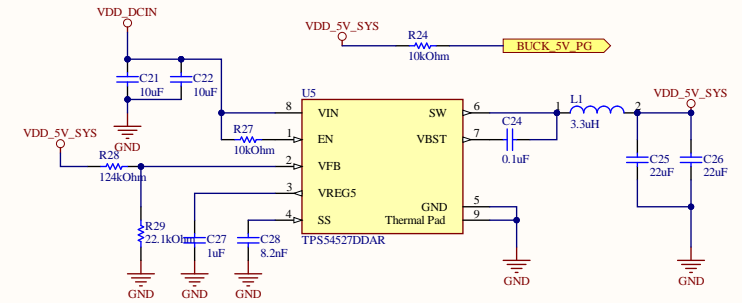
LDO 3.3V



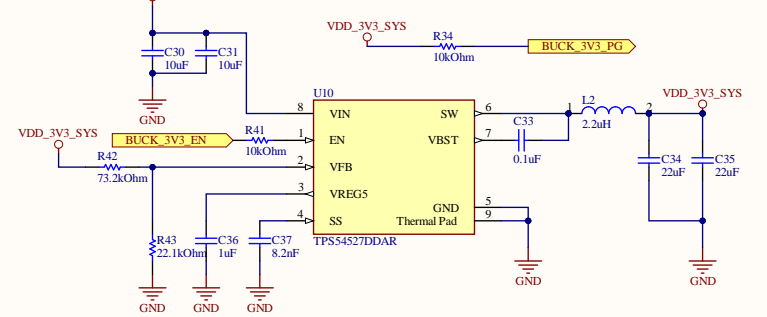
LDO 1.8V



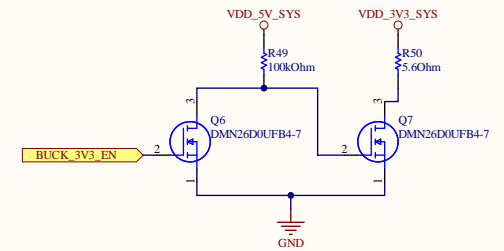
BUCK CONVERTER 5V



BUCK CONVERTER 3.3V



VDD_3V3_SYS RAIL DISCHARGE



Title		Group 19 - Algle	
Size		Power Regulation	
Number	Revision		
Date:	6-21-2020	Sheet 3 of 3	
File:	C:\Users\...Power_Regulation.SchDoc	Drawn By: Danny Huang	

Comment	Description	Designator	Footprint	Value	Quantity
130uf	Capacitor Polarized	C1, C2, C3	CAPP4032K210N	150K037M00A1T04 J	3
0.1uf		C4, C6, C7, C8, C9, C10, C11, C12, C14, C15, C18, C24, C29, C30, C31	CAPC1005A5X30M0 0T10	JMP-2008-03087-1	15
10uf		C3, C13, C21, C22, C26, C31	CAPC1608K000J0N1 0T10	JMP-2006-02760-1	6
22uf	CAP CER 22UF 25V X5R 0805	C16, C17	FP-GBA21-0-2-MFG	JMP-09035-00009-1	2
1uf		C19	CAPC1608K000J0N1 0T15	JMP-2006-02499-1	1
4.7uf	CAP CER 4.7UF 6.3V X5R 0603	C20	FP-C0603-05-MFG	JMP-03020-02461-1	1
10pf		C23, C43	CAPC1005A5X30M0 0T10	JMP-2008-03072-1	2
22uf	Chip Capacitor, 22 uF ±1, 20%, 6.3 V, -55 to 85 deg., 1608 (0403 Metric), Reel5, Tape and Reel	C25, C26, C34, C38	CAPC1608K000C0M 10	JMP-2000-05440-1	4
1uf		C27, C36, C38, C41, C42	CAPC1005A600J0M0 0T10	JMP-2008-02075-1	5
0.2uf		C28, C17	CAPC1005A5X30M0 0T10	JMP-2008-03240-1	2
0.01uf		C39	CAPC1005A5X30M0 0T10	JMP-2008-03076-1	1
2.2uf		C40	CAPC1005A600J0M0 0T10	JMP-2008-02055-1	1
MSMF20A-MTL_8PA	TVS Diode (Uni- directional)	D1	MR3050MPE3M0F	MSMF20A_MTL_8PA	1
MM5Z5488B	Zener Diode, 18 V, ± 1% to 100 deg., 3 Pin, SOD-123, Reel5, Tape and Reel	D2	FAIR-SOD-123-2-V	JMP-2000-06744-1	1
BA156CW	SiT-303 Plastic Encapsulated Diode	D3	NRP-S0T223-3-1	JMP-0417-00001-1	1
BZ84C9V3-E3-08	DIODE, 8.4V, 0.3W 100MAW 50723	D4	FP-C-541-S0T4-0T-4- MFG	JMP-02041-000013-1	1
230V413-1	DSH SCDDMM 26PF 6-24710	J1	FP-230V413-1-MFG	JMP-01056-00001-1	1
1-173024B-5	CONN FPC VERT 18POS 1.00MM SMD	J2	FP-1-173024B-5-MFG	JMP-03768-00001-1	1
2199230-4	CONN TMMUL 6POS 0.500 GOLD	J3	FP-2199230-4-MFG	JMP-03365-000003-1	1
53261-0371	CONN HEADER SMD 8/24 3.00MM	J4, J5	FP-53261-0371-MFG	JMP-04776-00001-1	2
533980471	CONN HEADER SMD 4/05 3.00MM	J6	FP-533980471-MFG	JMP-04776-00005-1	1
694102107102	DC Power Jack Connector Low Profile with 4 soldering pads & Pegp WR-DC, Male, Right Angled, 3MT, 5 A, 18 V	J7	694102107102	JMP-1502-00174-1	1
3.3uH	Power Multilayer Inductor WE-PML, L=3.3uH	L1	SMD 0806	JMP-1392-00058-1	1
2.2uH	Power Multilayer Inductor WE-PML, L=2.2uH	L2	SMD 0805-Low profile	JMP-1392-00041-1	1
MM200001B4-7	MOSEFTN Channel	Q1, Q2, Q3, Q6, Q7	MM200001B4-7	MM200001B4-7	5
MM48001-11-GE3	MOSEFTP-CH 30V 1A SC70-6	Q4	FP-C-07431-MFG	JMP-02050-000005-1	1
85584W-7-F	Unidentified or Miscellaneous	Q5	SOT6P210K110-3N	85584W-7-F	1
2N7000W-7-F	N-Channel Enhancement Mode Field Effect Transistor, 40V (VDS), 0.115A (IDS), 55 to 150 deg., 3 Pin SOT223, Reel5, Tape and Reel	Q8	D100-SOT323-3-V	JMP-2000-05568-1	1
10K0hm		R1, R17, R20, R24, R27, R34, R35, R37, R38, R39, R40, R41, R44, R45, R47	RES-1005A40X25M0 0T05	JMP-2002-08136-1 JMP-2002-08135-1	15
07K0hm		R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R13	RES-1005A40X25L0R 0T05	JMP-2002-08026-1	11
100K0hm	Chip Resistor, 100 K0hm, ±1%, 0.43 W, -55 to 155 deg., 1403 (1005-Metric), Reel5, Tape and Reel	R12, R14, R15, R16, R18, R22, R23, R24, R21, R22, R46, R48, R49, R51, R55	RES-1005A40X25M0 0T06	JMP-2002-08123-2	15
4.70hm		R19, R36	RES-1005A40X25M0 0T06	JMP-2002-08053-1	2
10hm		R21	RES-1005A40X25M0 0T06	JMP-2002-08340-1	1
17K0hm		R23	RES-1005A40X25L0R 0T06	JMP-2002-08244-1	1
30.9K0hm		R26	RES-1005A40X25L0R 0T05	JMP-2002-08036-1	1
124K0hm		R28	RES-1005A40X25M0 0T06	JMP-2002-08173-1	1
22.1K0hm		R29, R43	RES-1005A40X25M0 0T06	JMP-2002-08380-1	2
1100hm		R33	RES-1005A40X25L0R 0T06	JMP-2002-08151-1	1
73.2K0hm		R42	RES-1005A40X25M0 0T06	JMP-2002-08203-1	1
5.46hm		R50	RES-1005A40X25M0 0T06	JMP-2002-08063-1	1
97K0hm		R52	RES-1005A40X25M0 0T06	JMP-2002-08271-1	1
14K0hm		R53	RES-1005A40X25L0R 0T05	JMP-2002-08207-1	1
5.11K0hm		R54	RES-1005A40X25L0R 0T05	JMP-2002-08117-1	1
SN74VC1G07DCKR6	Integrated Circuit	U1	SOT6P210K110-3N	SN74VC1G07DCKR6	1
7180302DCKMR	Integrated Circuit	U2, U3	SONARP20K180K40- 8N	7180302DCKMR	2
SN74VCT14DCKR	Single-Bit Non- Supply Bus Transceiver with Configurable Voltage Translation and 3- State Outputs, DCK0006A, LARGE Tape	U4	DCK0006A_L	JMP-0859-04042-3	1
TP54527D0AR	5-REG-BUCK ADJUSTABLE 5A 85CPW	U5, U10	FP-D0A0006-MFG	JMP-04918-000091-1	2
80CP011SN20T0	Integrated Circuit	U6	SOT7PPT0K110-3N	80CP011SN20T0	1
SN74VCT14DCKR	Integrated Circuit	U7, U8	SOT6P210K110-3N	SN74VCT14DCKR	2
SN74VCT07DCKR	Single Buffer/Driver With Open-Open-Open Output, DCK0005A, LARGE Tape	U9	DCK0005A_M	JMP-0859-02760-3	1
STMB810F2G-A- 02N20	Integrated Circuit	U11	STMB810F2G-A-02N20	STMB810F2G-A-02N20	1
TP57353DRVT	Single Output High PSRR LDO, 500mA, Fixed 3.3V Output, 3.7 to 6.5V Input, with Low IQ, 6-pin SOM (DRV), -40 to 125 deg., Green (Reel5 & no Sn/Pb)	U12	DRV0006A_V	JMP-0295-00672-2	1
TLV700B0DCT	Single Output LDO, 200mA, Fixed 1.8V Output, 2 to 5.5V Input, with Low IQ, 5- pin SOT (DCK), -40 to 125 deg., Green (Reel5 & no Sn/Pb)	U13	DCK0006A_L	JMP-0394-01053-2	1