



Bill Of Materials May 6,2015 12:00:44

Item	Quantity	Reference	Description	Part	Fitted	Manufacturer	Manufacturer PN	PCB Footprint	Material	Tolerance	Voltage_Rating	Power
1	1	CN1	CONN HEADER VERT 4POS .100 TIN	DP Aux and HPD		TE Connectivity	640456-4	CON_FL-04_REV				
2	1	CN2	HiDefMultimedia SM_RA_19pin w4-40 Flange	TYCO HDMI Receptacle, 1747981-1		TE Connectivity	1747981-1	CONN_HDMI_1747981-1				
3	1	CN3	CONN RCPTDISPLAY PORT 20POS SMD	Standard DisplayPort Connector		Molex	47272-0001	MOLEX_SD-47272-001				
4	2	CN4,CN5	CONN RCPT MICRO USB TH SMD	USB Micro-B Receptacle		Molex	476420001	MOLEX_47642-001				
5	1	CN6	CONN HEADER 8POS .100 STR 15AU	HDR_2X4		FCI	67996-208HLF	HDR_2X4				
6	2	CN7,CN8	CONN HEADER 3POS .100 STR 15AU	JP_1X3		FCI	68001-203HLF	HDR1X3				
7	21	C1,C4,C5,C10,C15,C16,C19,C20,C24,C26,C27,C28,C30,C31,C33,C34,C35,C37,C40,C41,C42	CAP CER 0.1UF 16V 10% X7R 0402 SMD	CAP CER 0.1UF 16V 10% X7R 0402 SMD		Murata	GCM155R71C104KA55D	SM_0402	X7R	10%	16 V	
8	2	C2,C7	CAP CER 22UF 16V 10% X5R 0805 SMD	22uF		TDK	C2012X5R1C226K125AC	SM_0805	X5R	10%	16 V	
9	1	C3	CAP CER 2.2UF 10V 10% X7R 0603 SMD	2.2uF		Murata	GRM188R71A225KE15D	SM_0603	X7R	10%	10 V	
10	3	C6,C8,C11	CAP CER 22PF 50V 1% NPO 0402 SMD	22pF		TDK	C1005COG1H220F050BA	SM_0402	COG/NPO	10%	50 V	
11	1	C9	CAP CER 0.1UF 16V 10% X7R 0402 SMD	0.1uF		Murata	GCM155R71C104KA55D	SM_0402	X5R	10%	16 V	
12	11	C12,C13,C14,C17,C18,C21,C22,C23,C25,C29,C38	CAP CER 10UF 25V 10% X5R 0805 SMD	10uF		Murata	GRM21BR61E106KA73L	SM_0805	X5R	10%	25 V	
13	3	C32,C36,C43	CAP CER 0.01uF 10V 10% X5R 0402 SMD	0.01uF		Murata	GRM155R61A103KA01D	SM_0402	X5R	10%	10 V	
14	1	C39	CAP CER 4.7UF 25V 10% X5R 0805 SMD	4.7uF		Murata	GRM21BR61E475KA12L	SM_0805	X5R	10%	25 V	
15	3	D1,D2,D3	DIODE SCHOTTKY 100V 0.2A	Schottky Diode		STMicroelectronics	BAT41KFILM	SOD-523				
16	1	D4	TVS DIODE 3VWM 18VC 8UQFN	HSP061, ESD		STMicroelectronics	HSP061-4NY8	HSP061-4NY8				
17	1	D5	TVS DIODE 3VWM ST0201	ESD, 8.5V		STMicroelectronics	ESDAVLC8-18U2	ST0201				
18	2	D6,D7	DIODE SCHOTTKY 30V 200MA 2DFN	SDM20U30		Diodes Inc	SDM20U30	SOD-523				
19	1	D8	Green LED	GREEN		LITE_ON	LTST-C191KGKT	LTST-C191KGKT				
20	4	FB1,FB2,FB3,FB4	120 ohms @ 100MHz, 2A 0603 SMD	120 ohms @ 100MHz, 2A		Murata	BLM18PG1215N1D	SM_0603				
21	2	F1,F3	FUSE SLIM SLO-BLO 1A 63V SMD	1A Slow		Littelfuse	0468001.NR	LITTELFUSE_1206				
22	1	F2	Fuse PTC Reset 24V .20A	Fuse PTC Reset 24V .20A		Littelfuse	1206L020YR	LITTELFUSE_1206				
23	2	L1,L2	FIXED IND 3.3UH 4.1A 17.4 MOHM	Power Inductor 3.3uH		TDK Corp	RLF7030T-3R3M4R1	RLF7030				
24	1	L3	INDUCTOR POWER 2.2UH 2.5A SMD	2.2uH 2.5A		Würth Electronics	7440430022	SML5XSMM		30%		
25	1	PCB1	PCB, 6 layer, Bobcat RD3 Rev A	B0680-Rev A PCB								
26	1	Q1	MOSFET N-CH 25V 220MA	FDV301N		Fairchild	FDV301N	SOT-23				
27	1	R1	RES 249 ohm 1% 1/10W 0402 SMD	249		Panasonic	ERJ-2RKF2490X	SM_0402		1%		1/10W
28	4	R2,R8,R10,R11	RES 1M OHM 1/10W 5% 0402 SMD	1M		Panasonic	ERJ-2GEJ105X	SM_0402		5%		1/10W
29	3	R3,R4,R16	RES 2.2K OHM 1/10W 5% 0402 SMD	2.2K		Panasonic	ERJ-2GEJ222X	SM_0402		5%		1/10W
30	1	R5	RES 27K OHM 1/10W 5% 0402 SMD	27K		XXX	ERJ-2GEJ273X	SM_0402		5%		1/10W
31	2	R6,R27	RES 47K OHM 1/10W 5% 0402 SMD	47K		Panasonic	ERJ-2GEJ473X	SM_0402		5%		1/10W
32	2	R7,R9	RES 100 Ohm 1/10W 1% 0402 SMD	100		Panasonic	ERJ-2RKF1000X	SM_0402		1%		1/10W
33	3	R12,R17,R19	RES 100K OHM 1/10W 5% 0402 SMD	100K		Panasonic	ERJ-2GEJ104X	SM_0402		5%		1/10W
34	1	R18	xxx	DO NOT PLACE	DO NOT PLACE	xxx	xxx	SM_0402				1/10W
35	1	R13	RES 10K OHM 1/10W 1% 0402 SMD	10K		Panasonic	ERJ-2RKF1002X	SM_0402		1%		1/10W
36	2	R14,R43	xxx	DO NOT PLACE	DO NOT PLACE	xxx	xxx	SM_0402				xxx
37	5	R15,R20,R24,R26,R31	RES 10K OHM 1/10W 5% 0402 SMD	10K		Panasonic	ERJ-2GEJ103X	SM_0402		5%		1/10W
38	1	R21	RES 162K OHM 1/10W 1% 0402 SMD	162K		Panasonic	ERJ-2RKF1623X	SM_0402		1%		1/10W
39	1	R22	RES 330 OHM 1/10W 5% 0402 SMD	330R		Panasonic	ERJ-2GEJ331X	SM_0402		5%		1/10W
40	2	R23,R29	RES 52.3K OHM 1/10W 1% 0402 SMD	52.3K		Panasonic	ERJ-2RKF5232X	SM_0402		1%		1/10W
41	2	R25,R33	RES 1K OHM 1/10W 5% 0402 SMD	1K		Panasonic	ERJ-2GEJ102X	SM_0402		5%		1/10W
42	1	R28	RES 26.1K OHM 1/10W 1% 0402 SMD	26.1K		Panasonic	ERJ-2RKF2612X	SM_0402		1%		1/10W
43	1	R30	RES 10K OHM 1/10W 5% 0402 SMD	DO NOT PLACE		Panasonic	ERJ-2GEJ103X	SM_0402		5%		1/10W
44	1	R32	RES 909K OHM 1/10W 1% 0603 SMD	909.0K		Panasonic	ERJ-3EKF9093V	SM_0603		1%		1/10W
45	1	R34	RES 100K OHM 1/10W 1% 0603 SMD	100.0K		Panasonic	ERJ-3EKF1003V	SM_0603		1%		1/10W
46	8	R35,R36,R37,R38,R39,R40,R41,R42	RES 5.1 OHM 5% 1/20W 0201 SMD	5.1 OHM		Panasonic	ERJ-1GEF5R1C	SM_0201		1%		1/20W
47	1	SW1	SWITCH TACTILE SPST-NO 0.05A 12V	TACT MOM		C&K ITT	PTS635SL50LFS	SW_C_K_PTS635SL				
48	1	U1	Bobcat MCDP2850	MCDP2850_DP_to_HDMI		MegaChips	MCDP2850	LFBGA64_7X7MM				
49	1	U2	IC FLASH 8MBIT 80MHZ	SST25VF080B, SPI Flash, 8Mbits, SO8, 80MHz		Microchip technologies	SST25VF080B-80-4I-SAE	SOIC8				
50	1	U3	IC SWITCH SPDT SC70-6	sn74lvc1g3157dckr		Texas Instruments	sn74lvc1g3157dckr	sc70-6p				
51	2	U4,U6	IC REG BUCK SYNC 1.5A DFN6	ST1S06PUR		STMicroelectronics	ST1S06PUR	DFN6D_3X3-DIE				
52	1	U5	IC USB FS SERIAL UART 32-QFN	FT232RQ		FTDI	FT232RQ	QFN32_5XSMM-DIE				
53	1	U7	IC REG BUCK BOOST SYNC ADJ	STBB1-APUR		STMicroelectronics	STBB1-APUR	DFN_10_3MM-DIE				
54	1	Y1	CRYSTAL 27MHZ 20PF SMD	27.000MHz Crystal		ECS Inc	ECS-270-20-33-TR	XTAL_5X3_2MM				