

Company = Next Thing Co  
Design Title =HDMI Adapter  
Doc Name: BOM-DIP-HDMI-v1.0.xlsx  
Matching PCB: DIP-HDMI-v1.0.brd  
Schematics REV: 1.0

Qty	Parts	VALUE	Item number	TOLERANCE	DESCRIPTION	FOOTPRINT	MFG	MFG_PN	PART_TYPE
16	C1, C4, C5, C6, C7, C8, C9, C11, C12, C14, C15, C17, C18, C20, C22, C24	100nF	100364	10%	CAP CER SMD 100nF 16V X5R 10% 0603	0603	SAMSUNG	CL10B104K08NNNL	CAP
2	C2, C3	4.7uF	100365	10%	CAP CER SMD 4.7uF 10V X5R 10% 0603	0603	SAMSUNG	CL10A475KP8NNNL	CAP
7	C10, C13, C16, C19, C21, C23, C25	10uF	100366	10%	CAP CER SMD 10uF 10V X5R 10% 0603	0603	SAMSUNG	CL10A106KP8NNND	CAP
2	C26, C27	18pF	100367	1%	CAP CER SMD 18pF 50V NP0 1% 0603	0603	SAMSUNG	CL10C180JB8NNND	CAP
1	J1	HDMI Con	100402		Connector Receptacle HDMI 19 Position Surface Mount, Right Angle, Horizontal		Zhixingda	71-050-190111-1	CON
2	J2A, J2B	CON2X20	100401		2x Con male through hole 40 pos, 2 rows, 2.54MM	2XHDR_40POS_PTH_254MM	TE Connectivity	2 x 1-102567-2	CON
1	R1	1.2k	100368	1%	RES SMD 1.2K Ohm 1/16W 1% 0603	0603	YAGEO	RC0603FR-071K2L	RES
1	R2	1M	100369	5%	RES SMD 1M Ohm 1/16W 5% 0603	0603	YAGEO	RC0603JR-071ML	RES
6	R3, R4, R5, R6, R7, R8	10k	100370	5%	RES SMD 10K Ohm 1/16W 5% 0603	0603	YAGEO	RC0603JR-0710KL	RES
2	R9, R10	6.8k	100406	5%	RES SMD 6.8K Ohm 1/16W 5% 0603	0603	YAGEO	RC0603JR-076K8L	RES
1	R11	4.7k	100380	5%	RES SMD 4.7K Ohm 1/16W 5% 0603	0603	YAGEO	RC0603JR-074K7L	RES
1	R12	47k	100381	5%	RES SMD 47K Ohm 1/16W 5% 0603	0603	YAGEO	RC0603JR-0747KL	RES
1	D4	B240A	100198		DIODE SMD General Purpose 400V 1A 1.4W RoHS DO-214AC	SMA	DIODES INC	B240A-13-F	DIODE
3	D1, D2, D3	SESRV05-4	100415		LOW CAP TVS ARRAY	SOT-23 6	SEMIWILL	SESRV05-4	TVS DIODE
3	L1, L2, L3	ACML0603	100417		SMD Ferrite 0603, 31 Ohm @ 100MHz	0603	Abracon	ACML-0603-310-T	FB
1	U1	CH7035B	100404		IC, LDC to HDTV/VGA/DVI, QFN88	QFN88	Chrontel	CH7035B	IC
1	U2	BL9198-18	100416		LDO SMD, 1.8V, 250mA SOT-23	SOT-23 5	Shanghai Belling	BL9198-18	IC
1	U3	DS2431	100312		IC, EEPROM, 1KBIT, TSOC 6	TSOC 6	Maxim Integrated	DS2431P+T&R	IC
1	Y1	ABM3B	100418		CRYSTAL SMD 5X3.2 27Mhz 20ppm 18pF	5X3.2mm	Abracon	ABM3B-27.000MHZ-B2-T	XTAL
1		PCB	100422		4 Layer, Matte Black Mask, Pink Silk, HASL, 1 Oz			v1.0	PCB
1					ESD BAG				PACKAGING
1					ESD Foam, Back Side				PACKAGING
1					ESD Foam, Front Side				PACKAGING
1	S1	Switch	100421		Tact Switch Right Angle	2.7X6.6mm	HRD	KA-1114UN	Switch