

TVP/THS EVM BOMs

July 2011

Available TVP/THS EVM Kits

EVM Kit	Boards Included
TVP5146	TVP5146 EVM Encoder EVM
TVP5147	TVP5147 EVM Encoder EVM
TVP5150A	TVP5150A EVM Encoder EVM
TVP5150/1	TVP5150/1 EVM (w/ THS8200 DAC)
TVP5154	TVP5154 EVM 7311 EVM
TVP5158	TVP5158 EVM (w/ THS8200 DAC)
TVP5160	TVP5160 EVM 7311 EVM
TVP700x	TVP700x EVM THS8200 EVM
THS813x	THS813x EVM

BOM for TVP5146 EVM REV 1.3 (included in TVP5146 EVM kit)

Part Type	Designator	Footprint	Description	Manufacturer	Manu. Part #	Disti.	Disti. Part #
0.1uF	C38	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
0.1uF	C9	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
0.1uF	C15	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
0.1uF	C35	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
0.1uF	C37	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
0.1uF	C42	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
0.1uF	C29	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
0.1uF	C33	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
0.1uF	C3	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
0.1uF	C36	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
0.1uF	C46	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
0.1uF	C45	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
0.1uF	C51	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
0.1uF	C41	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
0.1uF	C39	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
0.1uF	C31	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
0.1uF	C34	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
0.1uF	C43	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
0.1uF	C40	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
0.1uF	C44	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
0.1uF	C19	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
0.1uF	C18	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
0.1uF	C28	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
0.1uF	C20	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
0.1uF	C24	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
0.1uF	C23	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
0.1uF	C22	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
0.1uF	C17	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
0.1uF	C11	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
0.1uF	C10	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
0.1uF	C16	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
0.1uF	C57	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
0.1uF	C8	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
0.1uF	C13	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
0.1uF	C14	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
0.1uF	C12	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND

0	R24	SMT_0603	Resistor	Panasonic	ERJ-3GEY0R00V	Digikey	P0.0GCT-ND
0	R22	SMT_0603	Resistor	Panasonic	ERJ-3GEY0R00V	Digikey	P0.0GCT-ND
0	R25	SMT_0603	Resistor	Panasonic	ERJ-3GEY0R00V	Digikey	P0.0GCT-ND
0	R17	SMT_0603	Resistor	Panasonic	ERJ-3GEY0R00V	Digikey	P0.0GCT-ND
0	R60	SMT_0603	Resistor	Panasonic	ERJ-3GEY0R00V	Digikey	P0.0GCT-ND
0	R19	SMT_0603	Resistor	Panasonic	ERJ-3GEY0R00V	Digikey	P0.0GCT-ND
0	R18	SMT_0603	Resistor	Panasonic	ERJ-3GEY0R00V	Digikey	P0.0GCT-ND
0	R28	SMT_0603	Resistor	Panasonic	ERJ-3GEY0R00V	Digikey	P0.0GCT-ND
0	R6	SMT_0603	Resistor	Panasonic	ERJ-3GEY0R00V	Digikey	P0.0GCT-ND
0	R12	SMT_0603	Resistor	Panasonic	ERJ-3GEY0R00V	Digikey	P0.0GCT-ND
0	R5	SMT_0603	Resistor	Panasonic	ERJ-3GEY0R00V	Digikey	P0.0GCT-ND
0	R50	SMT_0603	Resistor	Panasonic	ERJ-3GEY0R00V	Digikey	P0.0GCT-ND
0	R31	SMT_0603	Resistor	Panasonic	ERJ-3GEY0R00V	Digikey	P0.0GCT-ND
0	R14	SMT_0603	Resistor	Panasonic	ERJ-3GEY0R00V	Digikey	P0.0GCT-ND
0	R13	SMT_0603	Resistor	Panasonic	ERJ-3GEY0R00V	Digikey	P0.0GCT-ND
0	R37	SMT_0805	Resistor	Panasonic	ERJ-6GEY0R00V	Digikey	P0.0ACT-ND
0	R36	SMT_0805	Resistor	Panasonic	ERJ-6GEY0R00V	Digikey	P0.0ACT-ND
0	R34	SMT_0805	Resistor	Panasonic	ERJ-6GEY0R00V	Digikey	P0.0ACT-ND
0	R33	SMT_0805	Resistor	Panasonic	ERJ-6GEY0R00V	Digikey	P0.0ACT-ND
0	R38	SMT_0805	Resistor	Panasonic	ERJ-6GEY0R00V	Digikey	P0.0ACT-ND
0	R35	SMT_0805	Resistor	Panasonic	ERJ-6GEY0R00V	Digikey	P0.0ACT-ND
1_8V	TP4	TH_TPS	Through Hole Testpoint	NA	NA	NA	NA
1uF	C58	SMT_0603	Capacitor	Panasonic	ECJ-1VB0J105K	Digikey	PCC1915CT-ND
1uH/0.8A/<1R	L2	SMT_1210	Inductor or Ferrite Bead	API Delevan	S1812-102K	Digikey	DN1112CT-ND
1uH/0.8A/<1R	L1	SMT_1210	Inductor or Ferrite Bead	API Delevan	S1812-102K	Digikey	DN1112CT-ND
1uH/0.8A/<1R	L4	SMT_1210	Inductor or Ferrite Bead	API Delevan	S1812-102K	Digikey	DN1112CT-ND
1uH/0.8A/<1R	L3	SMT_1210	Inductor or Ferrite Bead	API Delevan	S1812-102K	Digikey	DN1112CT-ND
2.2k	R48	SMT_0603	Resistor	Panasonic	ERJ-3GEYJ222V	Digikey	P2.2KGCT-ND
2.2k	R47	SMT_0603	Resistor	Panasonic	ERJ-3GEYJ222V	Digikey	P2.2KGCT-ND
2.2k	R51	SMT_0603	Resistor	Panasonic	ERJ-3GEYJ222V	Digikey	P2.2KGCT-ND
2.2k	R52	SMT_0603	Resistor	Panasonic	ERJ-3GEYJ222V	Digikey	P2.2KGCT-ND
2.2k	R65	SMT_0603	Resistor	Panasonic	ERJ-3GEYJ222V	Digikey	P2.2KGCT-ND
2.2k	R10	SMT_0603	Resistor	Panasonic	ERJ-3GEYJ222V	Digikey	P2.2KGCT-ND
2.2k	R8	SMT_0603	Resistor	Panasonic	ERJ-3GEYJ222V	Digikey	P2.2KGCT-ND
2.2k	R7	SMT_0603	Resistor	Panasonic	ERJ-3GEYJ222V	Digikey	P2.2KGCT-ND
2.2k	R9	SMT_0603	Resistor	Panasonic	ERJ-3GEYJ222V	Digikey	P2.2KGCT-ND
2.2k	R64	SMT_0603	Resistor	Panasonic	ERJ-3GEYJ222V	Digikey	P2.2KGCT-ND
2.2k	R11	SMT_0603	Resistor	Panasonic	ERJ-3GEYJ222V	Digikey	P2.2KGCT-ND

2.7uH	L13	SMT_0603	Inductor	TDK Corp.	MLF1608A2R7K	Digikey	445-1018-1-ND
2.7uH	L12	SMT_0603	Inductor	TDK Corp.	MLF1608A2R7K	Digikey	445-1018-1-ND
2.7uH	L10	SMT_0603	Inductor	TDK Corp.	MLF1608A2R7K	Digikey	445-1018-1-ND
2.7uH	L16	SMT_0603	Inductor	TDK Corp.	MLF1608A2R7K	Digikey	445-1018-1-ND
2.7uH	L14	SMT_0603	Inductor	TDK Corp.	MLF1608A2R7K	Digikey	445-1018-1-ND
2.7uH	L15	SMT_0603	Inductor	TDK Corp.	MLF1608A2R7K	Digikey	445-1018-1-ND
2.7uH	L11	SMT_0603	Inductor	TDK Corp.	MLF1608A2R7K	Digikey	445-1018-1-ND
2.7uH	L7	SMT_0603	Inductor	TDK Corp.	MLF1608A2R7K	Digikey	445-1018-1-ND
2.7uH	L6	SMT_0603	Inductor	TDK Corp.	MLF1608A2R7K	Digikey	445-1018-1-ND
2.7uH	L5	SMT_0603	Inductor	TDK Corp.	MLF1608A2R7K	Digikey	445-1018-1-ND
2.7uH	L9	SMT_0603	Inductor	TDK Corp.	MLF1608A2R7K	Digikey	445-1018-1-ND
2.7uH	L8	SMT_0603	Inductor	TDK Corp.	MLF1608A2R7K	Digikey	445-1018-1-ND
3_3V	TP3	TH_TPS	Through Hole Test point	NA	NA	NA	NA
10k	R41	SMT_0603	Resistor	Panasonic	ERJ-3GEYJ103V	Digikey	P10KGCT-ND
10k	R45	SMT_0603	Resistor	Panasonic	ERJ-3GEYJ103V	Digikey	P10KGCT-ND
14.31818MHz	Y1	SMT_XTAL	Crystal	MMD Comp	MMD14.31818	MMD Comp	Same
22uF	C4	SMT_1206	Capacitor	Panasonic	ECJ-3YB0J226M	Digikey	PCC2242CT-ND
22uF	C7	SMT_1206	Capacitor	Panasonic	ECJ-3YB0J226M	Digikey	PCC2242CT-ND
22uF	C6	SMT_1206	Capacitor	Panasonic	ECJ-3YB0J226M	Digikey	PCC2242CT-ND
22uF	C2	SMT_1206	Capacitor	Panasonic	ECJ-3YB0J226M	Digikey	PCC2242CT-ND
22uF	C1	SMT_1206	Capacitor	Panasonic	ECJ-3YB0J226M	Digikey	PCC2242CT-ND
22uF	C5	SMT_1206	Capacitor	Panasonic	ECJ-3YB0J226M	Digikey	PCC2242CT-ND
33pF	C25	SMT_0603	Capacitor	Panasonic	ECJ-1VC1H330J	Digikey	PCC330ACVCT-ND
33pF	C26	SMT_0603	Capacitor	Panasonic	ECJ-1VC1H330J	Digikey	PCC330ACVCT-ND
47uF	C49	SMT_1210	Capacitor	Panasonic	ECJ-4YF0J476Z	Digikey	PCC2237CT-ND
47uF	C47	SMT_1210	Capacitor	Panasonic	ECJ-4YF0J476Z	Digikey	PCC2237CT-ND
47uF	C48	SMT_1210	Capacitor	Panasonic	ECJ-4YF0J476Z	Digikey	PCC2237CT-ND
74AHC05	U2	SMT_SOIC_D14		TI	*	TI Sample	*
75	R27	SMT_0603	Resistor	Panasonic	ERJ-3GEYJ750V	Digikey	P75GCT-ND
75	R23	SMT_0603	Resistor	Panasonic	ERJ-3GEYJ750V	Digikey	P75GCT-ND
75	R21	SMT_0603	Resistor	Panasonic	ERJ-3GEYJ750V	Digikey	P75GCT-ND
75	R39	SMT_0603	Resistor	Panasonic	ERJ-3GEYJ750V	Digikey	P75GCT-ND
75	R26	SMT_0603	Resistor	Panasonic	ERJ-3GEYJ750V	Digikey	P75GCT-ND
75	R20	SMT_0603	Resistor	Panasonic	ERJ-3GEYJ750V	Digikey	P75GCT-ND
100k	R43	SMT_0603	Resistor	Panasonic	ERJ-3GEYJ104V	Digikey	P100KGCT-ND
100k	R61	SMT_0603	Resistor	Panasonic	ERJ-3GEYJ104V	Digikey	P100KGCT-ND
250k	R3	SMT_0603	Resistor	Panasonic	ERJ-3EKF2493V	Digikey	P249KHCT-ND
250k	R2	SMT_0603	Resistor	Panasonic	ERJ-3EKF2493V	Digikey	P249KHCT-ND

250k	R4	SMT_0603	Resistor	Panasonic	ERJ-3EKF2493V	Digikey	P249KHCT-ND
330	R1	SMT_0603	Resistor	Panasonic	ERJ-3GEYJ331V	Digikey	P330GCT-ND
330pF	C60	SMT_0603		Panasonic	ECJ-1VC1H331J	Digikey	PCC331ACVCT-ND
330pF	C56	SMT_0603		Panasonic	ECJ-1VC1H331J	Digikey	PCC331ACVCT-ND
330pF	C32	SMT_0603		Panasonic	ECJ-1VC1H331J	Digikey	PCC331ACVCT-ND
330pF	C27	SMT_0603		Panasonic	ECJ-1VC1H331J	Digikey	PCC331ACVCT-ND
330pF	C50	SMT_0603		Panasonic	ECJ-1VC1H331J	Digikey	PCC331ACVCT-ND
330pF	C53	SMT_0603		Panasonic	ECJ-1VC1H331J	Digikey	PCC331ACVCT-ND
330pF	C59	SMT_0603		Panasonic	ECJ-1VC1H331J	Digikey	PCC331ACVCT-ND
330pF	C21	SMT_0603		Panasonic	ECJ-1VC1H331J	Digikey	PCC331ACVCT-ND
330pF	C54	SMT_0603		Panasonic	ECJ-1VC1H331J	Digikey	PCC331ACVCT-ND
330pF	C30	SMT_0603		Panasonic	ECJ-1VC1H331J	Digikey	PCC331ACVCT-ND
330pF	C55	SMT_0603		Panasonic	ECJ-1VC1H331J	Digikey	PCC331ACVCT-ND
330pF	C52	SMT_0603		Panasonic	ECJ-1VC1H331J	Digikey	PCC331ACVCT-ND
680pF	C63	SMT_0603		Panasonic	ECJ-1VC1H681J	Digikey	PCC2149CT-ND
680pF	C61	SMT_0603		Panasonic	ECJ-1VC1H681J	Digikey	PCC2149CT-ND
680pF	C65	SMT_0603		Panasonic	ECJ-1VC1H681J	Digikey	PCC2149CT-ND
680pF	C62	SMT_0603		Panasonic	ECJ-1VC1H681J	Digikey	PCC2149CT-ND
680pF	C64	SMT_0603		Panasonic	ECJ-1VC1H681J	Digikey	PCC2149CT-ND
680pF	C66	SMT_0603		Panasonic	ECJ-1VC1H681J	Digikey	PCC2149CT-ND
BNC_RA	R/Pr	TH_BNC_RA	BNC Connector	AMP	413558-1	Digikey	A24611-ND
BNC_RA	B/Pb	TH_BNC_RA	BNC Connector	AMP	413558-1	Digikey	A24611-ND
BNC_RA	G/Y	TH_BNC_RA	BNC Connector	AMP	413558-1	Digikey	A24611-ND
BNC_RA	CVBS	TH_BNC_RA	BNC Connector	AMP	413558-1	Digikey	A24611-ND
DB25	P3	TH_DB25F_RA	DB25 Female Connector	Norcomp	182-025-212-531	Digikey	182-25F-ND
FUSE	F1	SMT_1206	Fuse	Cooper Bussmann	TR/3216FF-2A	Digikey	283-2447-1-ND
HEADER 3	H1	TH_HEADER3		3M/ISD	NA	Digikey	NA
HEADER 7X2	H2	TH_HEADER7X2		*	*	*	*
HEADER 20X2	H4	TH_HEADER20X2_V3		*	*	*	*
JMP3	JP6	SMT_0603_JMP3	Three Way Jumper	Panasonic	ERJ-3GEY0R00V	Digikey	P0.0GCT-ND
JMP3	JP5	SMT_0603_JMP3	Three Way Jumper	Panasonic	ERJ-3GEY0R00V	Digikey	P0.0GCT-ND
JMP3	JP3	SMT_0603_JMP3	Three Way Jumper	Panasonic	ERJ-3GEY0R00V	Digikey	P0.0GCT-ND
JMP3	JP4	SMT_0805_JMP3_TH	Three Way Jumper	Panasonic	ERJ-3GEY0R00V	Digikey	P0.0GCT-ND
JMP_FILTER	JP9	JMP_FILTER_0805_TH	Use Dual row header for these	*	*	*	*
JMP_FILTER	JP2	JMP_FILTER_0805_TH		*	*	*	*
JMP_FILTER	JP8	JMP_FILTER_0805_TH		*	*	*	*
JMP_FILTER	JP10	JMP_FILTER_0805_TH		*	*	*	*
JMP_FILTER	JP7	JMP_FILTER_0805_TH		*	*	*	*

LED	LED1	SMT_1206LED	LED	Lite-On Inc.	LTST-C150GKT	Digikey	160-1169-1-ND
PB	S1	SMT_SWITCH	Push Buttom Switch	Panasonic	EVQ-PJX04M	Digikey	P8050SCT-ND
PJ-002BH	P1	TH_DC_JACK	DC Power Jack	CUI	PJ-002BH	Digikey	CP-002BH-ND
RESARRAY_ISO_8	R30	SMT_RESARRAY_ISO_8	Isolated Res Array, 8 Rs	Panasonic	EXB-2HV220JV	Digikey	Y1220CT-ND
RESARRAY_ISO_8	R29	SMT_RESARRAY_ISO_8	Isolated Res Array, 8 Rs	Panasonic	EXB-2HV220JV	Digikey	Y1220CT-ND
RESARRAY_ISO_8	R15	SMT_RESARRAY_ISO_8	Isolated Res Array, 8 Rs	Panasonic	EXB-2HV220JV	Digikey	Y1220CT-ND
RESARRAY_ISO_8	R16	SMT_RESARRAY_ISO_8	Isolated Res Array, 8 Rs	Panasonic	EXB-2HV220JV	Digikey	Y1220CT-ND
SAMTEC_TMMS_120PIN_M_RA	P2	TMMS_120PIN_M_RA		*	*	*	*
SCL	TP2	TH_TPS	Through Hole Testpoint	NA	NA	NA	NA
SDA	TP1	TH_TPS	Through Hole Testpoint	NA	NA	NA	NA
SVIDEO	SV	TH_SVIDEO	SVideo Connector	AMP	749230-1	Digikey	749230-1-ND
TLC7733IPW	U5	SMT_SOIC_PW8		Texas Instruments	TLC7733IPW	TI Sample Room	Same
TPS70251	U1	SMT_TSSOP_PWP20	Dual Voltage Regulator 1.8V & 3.3V	Texas Instruments	TPS70851PWP	TI Sample Room	Same
TVP5146M2	U4	SMT_TQFP80_POWER PAD	TVP5146M2 Video Decoder	*	*	*	*
ZENER	D1	SMT_1210	Zener Diode	General Semi	SS26	Digikey	SS26-ND

Note:

Do not populate the following: R13, R14, R17, R18, R28, and H2

BOM for TVP5147 EVM REV 1.1 (included in TVP5147 EVM kit)

Part Type	Designator	Footprint	Description	Manufacturer	Manu. Part #	Disti.	Disti. Part #
.1uF	C28	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
.1uF	C24	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
.1uF	C29	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
.1uF	C33	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
.1uF	C42	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
.1uF	C23	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
.1uF	C18	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
.1uF	C51	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
.1uF	C19	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
.1uF	C22	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
.1uF	C20	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
.1uF	C36	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
.1uF	C45	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
.1uF	C46	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
.1uF	C39	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
.1uF	C34	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
.1uF	C37	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
.1uF	C31	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
.1uF	C38	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
.1uF	C9	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
.1uF	C3	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
.1uF	C41	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
.1uF	C40	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
.1uF	C15	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
0.1uF	C11	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
0.1uF	C10	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
0.1uF	C57	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
0.1uF	C12	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
0.1uF	C13	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
0.1uF	C8	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
0.1uF	C14	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
0.1uF	C16	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
0	R22	SMT_0603	Resistor	Panasonic	ERJ-3GEY0R00V	Digikey	P0.0GCT-ND
0	R12	SMT_0603	Resistor	Panasonic	ERJ-3GEY0R00V	Digikey	P0.0GCT-ND
0	R50	SMT_0603	Resistor	Panasonic	ERJ-3GEY0R00V	Digikey	P0.0GCT-ND
0	R24	SMT_0603	Resistor	Panasonic	ERJ-3GEY0R00V	Digikey	P0.0GCT-ND

0	R5	SMT_0603	Resistor	Panasonic	ERJ-3GEY0R00V	Digikey	P0.0GCT-ND
0	R6	SMT_0603	Resistor	Panasonic	ERJ-3GEY0R00V	Digikey	P0.0GCT-ND
0	R25	SMT_0603	Resistor	Panasonic	ERJ-3GEY0R00V	Digikey	P0.0GCT-ND
0	R17	SMT_0603	Resistor	Panasonic	ERJ-3GEY0R00V	Digikey	P0.0GCT-ND
0	R18	SMT_0603	Resistor	Panasonic	ERJ-3GEY0R00V	Digikey	P0.0GCT-ND
0	R28	SMT_0603	Resistor	Panasonic	ERJ-3GEY0R00V	Digikey	P0.0GCT-ND
0	R14	SMT_0603	Resistor	Panasonic	ERJ-3GEY0R00V	Digikey	P0.0GCT-ND
0	R19	SMT_0603	Resistor	Panasonic	ERJ-3GEY0R00V	Digikey	P0.0GCT-ND
0	R31	SMT_0603	Resistor	Panasonic	ERJ-3GEY0R00V	Digikey	P0.0GCT-ND
0	R13	SMT_0603	Resistor	Panasonic	ERJ-3GEY0R00V	Digikey	P0.0GCT-ND
0	R60	SMT_0603	Resistor	Panasonic	ERJ-3GEY0R00V	Digikey	P0.0GCT-ND
1K	R36	SMT_0603	Resistor	Panasonic		Digikey	
1_8V	TP4	TH_TPS	Through Hole Testpoint	NA	NA	NA	NA
1uF	C58	SMT_0603	Capacitor	Panasonic	ECJ-1VB0J105K	Digikey	PCC1915CT-ND
1uH/0.8A/<1R	L1	SMT_1210	Inductor or Ferrite Bead	API Delevan	S1812-102K	Digikey	DN1112CT-ND
1uH/0.8A/<1R	L2	SMT_1210	Inductor or Ferrite Bead	API Delevan	S1812-102K	Digikey	DN1112CT-ND
1uH/0.8A/<1R	L17	SMT_1210	Inductor or Ferrite Bead	API Delevan	S1812-102K	Digikey	DN1112CT-ND
1uH/0.8A/<1R	L4	SMT_1210	Inductor or Ferrite Bead	API Delevan	S1812-102K	Digikey	DN1112CT-ND
1uH/0.8A/<1R	L3	SMT_1210	Inductor or Ferrite Bead	API Delevan	S1812-102K	Digikey	DN1112CT-ND
2.2K	R51	SMT_0603	Resistor	Panasonic	ERJ-3GEYJ222V	Digikey	P2.2KGCT-ND
2.2K	R48	SMT_0603	Resistor	Panasonic	ERJ-3GEYJ222V	Digikey	P2.2KGCT-ND
2.2K	R47	SMT_0603	Resistor	Panasonic	ERJ-3GEYJ222V	Digikey	P2.2KGCT-ND
2.2K	R52	SMT_0603	Resistor	Panasonic	ERJ-3GEYJ222V	Digikey	P2.2KGCT-ND
2.2k	R65	SMT_0603	Resistor	Panasonic	ERJ-3GEYJ222V	Digikey	P2.2KGCT-ND
2.2k	R7	SMT_0603	Resistor	Panasonic	ERJ-3GEYJ222V	Digikey	P2.2KGCT-ND
2.2k	R11	SMT_0603	Resistor	Panasonic	ERJ-3GEYJ222V	Digikey	P2.2KGCT-ND
2.2k	R10	SMT_0603	Resistor	Panasonic	ERJ-3GEYJ222V	Digikey	P2.2KGCT-ND
2.2k	R8	SMT_0603	Resistor	Panasonic	ERJ-3GEYJ222V	Digikey	P2.2KGCT-ND
2.2k	R9	SMT_0603	Resistor	Panasonic	ERJ-3GEYJ222V	Digikey	P2.2KGCT-ND
2.2k	R37	SMT_0603	Resistor	Panasonic	ERJ-3GEYJ222V	Digikey	P2.2KGCT-ND
2.7uH	L7	SMT_0603	Inductor	TDK Corp.	MLF1608A2R7K	Digikey	445-1018-1-ND
2.7uH	L6	SMT_0603	Inductor	TDK Corp.	MLF1608A2R7K	Digikey	445-1018-1-ND
2.7uH	L5	SMT_0603	Inductor	TDK Corp.	MLF1608A2R7K	Digikey	445-1018-1-ND
2.7uH	L12	SMT_0603	Inductor	TDK Corp.	MLF1608A2R7K	Digikey	445-1018-1-ND
2.7uH	L13	SMT_0603	Inductor	TDK Corp.	MLF1608A2R7K	Digikey	445-1018-1-ND
2.7uH	L15	SMT_0603	Inductor	TDK Corp.	MLF1608A2R7K	Digikey	445-1018-1-ND
2.7uH	L16	SMT_0603	Inductor	TDK Corp.	MLF1608A2R7K	Digikey	445-1018-1-ND
2.7uH	L11	SMT_0603	Inductor	TDK Corp.	MLF1608A2R7K	Digikey	445-1018-1-ND

2.7uH	L9	SMT_0603	Inductor	TDK Corp.	MLF1608A2R7K	Digikey	445-1018-1-ND
2.7uH	L10	SMT_0603	Inductor	TDK Corp.	MLF1608A2R7K	Digikey	445-1018-1-ND
2.7uH	L8	SMT_0603	Inductor	TDK Corp.	MLF1608A2R7K	Digikey	445-1018-1-ND
2.7uH	L14	SMT_0603	Inductor	TDK Corp.	MLF1608A2R7K	Digikey	445-1018-1-ND
2N2222	Q1	SMT_SOT23		*	*	*	*
3_3V	TP3	TH_TPS	Through Hole Testpoint	NA	NA	NA	NA
10k	R41	SMT_0603	Resistor	Panasonic	ERJ-3GEYJ103V	Digikey	P10KGCT-ND
10k	R45	SMT_0603	Resistor	Panasonic	ERJ-3GEYJ103V	Digikey	P10KGCT-ND
12K	R33	SMT_0603	Resistor	Panasonic	ERJ-3GEYJ123V	Digikey	P12KGCT-ND
14.31818MHz	Y1	SMT_XTAL	Crystal	MMD Comp	D20BA1-14.31818MHz	MMD Comp	
22	R35	SMT_0603	Resistor	Panasonic		Digikey	
22K	R34	SMT_0603	Resistor	Panasonic	ERJ-3GEYJ223V	Digikey	P22KGCT-ND
22uF	C2	SMT_1206	Capacitor	Panasonic	ECJ-3YB0J226M	Digikey	PCC2242CT-ND
22uF	C7	SMT_1206	Capacitor	Panasonic	ECJ-3YB0J226M	Digikey	PCC2242CT-ND
22uF	C43	SMT_1206	Capacitor	Panasonic	ECJ-3YB0J226M	Digikey	PCC2242CT-ND
22uF	C6	SMT_1206	Capacitor	Panasonic	ECJ-3YB0J226M	Digikey	PCC2242CT-ND
22uF	C5	SMT_1206	Capacitor	Panasonic	ECJ-3YB0J226M	Digikey	PCC2242CT-ND
22uF	C4	SMT_1206	Capacitor	Panasonic	ECJ-3YB0J226M	Digikey	PCC2242CT-ND
22uF	C1	SMT_1206	Capacitor	Panasonic	ECJ-3YB0J226M	Digikey	PCC2242CT-ND
22uF	C35	SMT_1206	Capacitor	Panasonic	ECJ-3YB0J226M	Digikey	PCC2242CT-ND
33pF	C26	SMT_0603	Capacitor	Panasonic	ECJ-1VC1H330J	Digikey	PCC330ACVCT-ND
33pF	C25	SMT_0603	Capacitor	Panasonic	ECJ-1VC1H330J	Digikey	PCC330ACVCT-ND
47uF	C49	SMT_1210	Capacitor	Panasonic	ECJ-4YF0J476Z	Digikey	PCC2237CT-ND
47uF	C48	SMT_1210	Capacitor	Panasonic	ECJ-4YF0J476Z	Digikey	PCC2237CT-ND
47uF	C47	SMT_1210	Capacitor	Panasonic	ECJ-4YF0J476Z	Digikey	PCC2237CT-ND
47uF	C17	SMT_1210	Capacitor	Panasonic	ECJ-4YF0J476Z	Digikey	PCC2237CT-ND
74AHC05	U2	SMT_SOIC_D14		TI	*	TI Sample	*
75	R39	SMT_0603	Resistor	Panasonic	ERJ-3GEYJ750V	Digikey	P75GCT-ND
75	R21	SMT_0603	Resistor	Panasonic	ERJ-3GEYJ750V	Digikey	P75GCT-ND
75	R27	SMT_0603	Resistor	Panasonic	ERJ-3GEYJ750V	Digikey	P75GCT-ND
75	R20	SMT_0603	Resistor	Panasonic	ERJ-3GEYJ750V	Digikey	P75GCT-ND
75	R42	SMT_0603	Resistor	Panasonic	ERJ-3GEYJ750V	Digikey	P75GCT-ND
75	R23	SMT_0603	Resistor	Panasonic	ERJ-3GEYJ750V	Digikey	P75GCT-ND
75	R26	SMT_0603	Resistor	Panasonic	ERJ-3GEYJ750V	Digikey	P75GCT-ND
100k	R61	SMT_0603	Resistor	Panasonic	ERJ-3GEYJ104V	Digikey	P100KGCT-ND
100k	R43	SMT_0603	Resistor	Panasonic	ERJ-3GEYJ104V	Digikey	P100KGCT-ND
250k	R4	SMT_0603	Resistor	Panasonic	ERJ-3EKF2493V	Digikey	P249KHCT-ND

250k	R2	SMT_0603	Resistor	Panasonic	ERJ-3EKF2493V	Digikey	P249KHCT-ND
250k	R3	SMT_0603	Resistor	Panasonic	ERJ-3EKF2493V	Digikey	P249KHCT-ND
330 (not installed)	R32	SMT_0603	Resistor	Panasonic	ERJ-3GEYJ331V	Digikey	P330GCT-ND
330	R1	SMT_0603	Resistor	Panasonic	ERJ-3GEYJ331V	Digikey	P330GCT-ND
330	R40	SMT_0603	Resistor	Panasonic	ERJ-3GEYJ331V	Digikey	P330GCT-ND
330pF	C21	SMT_0603	Capacitor	Panasonic	ECJ-1VC1H331J	Digikey	PCC331ACVCT-ND
330pF	C30	SMT_0603	Capacitor	Panasonic	ECJ-1VC1H331J	Digikey	PCC331ACVCT-ND
330pF	C50	SMT_0603	Capacitor	Panasonic	ECJ-1VC1H331J	Digikey	PCC331ACVCT-ND
330pF	C53	SMT_0603	Capacitor	Panasonic	ECJ-1VC1H331J	Digikey	PCC331ACVCT-ND
330pF	C59	SMT_0603	Capacitor	Panasonic	ECJ-1VC1H331J	Digikey	PCC331ACVCT-ND
330pF	C56	SMT_0603	Capacitor	Panasonic	ECJ-1VC1H331J	Digikey	PCC331ACVCT-ND
330pF	C60	SMT_0603	Capacitor	Panasonic	ECJ-1VC1H331J	Digikey	PCC331ACVCT-ND
330pF	C52	SMT_0603	Capacitor	Panasonic	ECJ-1VC1H331J	Digikey	PCC331ACVCT-ND
330pF	C54	SMT_0603	Capacitor	Panasonic	ECJ-1VC1H331J	Digikey	PCC331ACVCT-ND
330pF	C55	SMT_0603	Capacitor	Panasonic	ECJ-1VC1H331J	Digikey	PCC331ACVCT-ND
330pF	C27	SMT_0603	Capacitor	Panasonic	ECJ-1VC1H331J	Digikey	PCC331ACVCT-ND
330pF	C32	SMT_0603	Capacitor	Panasonic	ECJ-1VC1H331J	Digikey	PCC331ACVCT-ND
680pF	C66	SMT_0603	Capacitor	Panasonic	ECJ-1VC1H681J	Digikey	PCC2149CT-ND
680pF	C64	SMT_0603	Capacitor	Panasonic	ECJ-1VC1H681J	Digikey	PCC2149CT-ND
680pF	C63	SMT_0603	Capacitor	Panasonic	ECJ-1VC1H681J	Digikey	PCC2149CT-ND
680pF	C62	SMT_0603	Capacitor	Panasonic	ECJ-1VC1H681J	Digikey	PCC2149CT-ND
680pF	C61	SMT_0603	Capacitor	Panasonic	ECJ-1VC1H681J	Digikey	PCC2149CT-ND
680pF	C65	SMT_0603	Capacitor	Panasonic	ECJ-1VC1H681J	Digikey	PCC2149CT-ND
BNC_RA	CH3 R/Pr	TH_BNC_RA	BNC Connector	AMP	413558-1	Digikey	A24611-ND
BNC_RA	CH4 CVBS	TH_BNC_RA	BNC Connector	AMP	413558-1	Digikey	A24611-ND
BNC_RA	CH1 B/Pb	TH_BNC_RA	BNC Connector	AMP	413558-1	Digikey	A24611-ND
BNC_RA	Analog Out	TH_BNC_RA	BNC Connector	AMP	413558-1	Digikey	A24611-ND
BNC_RA	CH2 G/Y	TH_BNC_RA	BNC Connector	AMP	413558-1	Digikey	A24611-ND
DB25	P3	TH_DB25F_RA	DB25 Female Connector	Norcomp	182-025-212-531	Digikey	182-25F-ND
FUSE	F1	SMT_1206	Fuse	Cooper Bussmann	TR/3216FF-2A	Digikey	283-2447-1-ND
HEADER 3	H1	TH_HEADER3		3M/ISD	NA	Digikey	NA
HEADER 7X2	H2	TH_HEADER7X2		*	*	*	*
HEADER 20X2	H4	TH_HEADER20X2_V3		*	*	*	*
JMP3	JP6	SMT_0603_JMP3	Three Way Jumper	Panasonic	ERJ-3GEY0R00V	Digikey	P0.0GCT-ND
JMP3	JP5	SMT_0603_JMP3	Three Way Jumper	Panasonic	ERJ-3GEY0R00V	Digikey	P0.0GCT-ND
JMP3	JP3	SMT_0603_JMP3	Three Way Jumper	Panasonic	ERJ-3GEY0R00V	Digikey	P0.0GCT-ND
JMP3	JP11	SMT_0603_JMP3	Three Way Jumper	Panasonic	ERJ-3GEY0R00V	Digikey	P0.0GCT-ND
JMP3	JP4	SMT_0805_JMP3_TH	Use Dual row header for	*	*	*	*

			these				
JMP_FILT	JP2	JMP_FILT_0805_TH	Use Dual row header for these	*	*	*	*
JMP_FILT	JP9	JMP_FILT_0805_TH	Use Dual row header for these	*	*	*	*
JMP_FILT	JP8	JMP_FILT_0805_TH	Use Dual row header for these	*	*	*	*
JMP_FILT	JP7	JMP_FILT_0805_TH	Use Dual row header for these	*	*	*	*
JMP_FILT	JP10	JMP_FILT_0805_TH	Use Dual row header for these	*	*	*	*
LED	LED1	SMT_1206LED	LED	Lite-On Inc.	LTST-C150GKT	Digikey	160-1169-1-ND
OPA356AIDBV	U3	SMT_SOT23_DBV		*	*	*	*
PB	S1	SMT_SWITCH	Push Button Switch	Panasonic	EVQ-PJX04M	Digikey	P8050SCT-ND
PJ-002BH	P1	TH_DC_JACK	DC Power Jack	CUI	PJ-002BH	Digikey	CP-002BH-ND
RESARRAY_ISO_8	R29	SMT_RESARRAY_ISO_8	Isolated Res Array, 8 Rs	Panasonic	EXB-2HV220JV	Digikey	Y1220CT-ND
RESARRAY_ISO_8	R16	SMT_RESARRAY_ISO_8	Isolated Res Array, 8 Rs	Panasonic	EXB-2HV220JV	Digikey	Y1220CT-ND
RESARRAY_ISO_8	R30	SMT_RESARRAY_ISO_8	Isolated Res Array, 8 Rs	*	*	*	*
RESARRAY_ISO_8	R15	SMT_RESARRAY_ISO_8	Isolated Res Array, 8 Rs	Panasonic	EXB-2HV220JV	Digikey	Y1220CT-ND
SAMTEC_TMMS_120PIN_M_RA	P2	TMMS_120PIN_M_RA	120 pin male right angle conn.	Samtec	TMMS-130-01-F-Q-RA	*	*
SCL	TP2	TH_TPS	Through Hole Testpoint	NA	NA	NA	NA
SDA	TP1	TH_TPS	Through Hole Testpoint	NA	NA	NA	NA
SVIDEO	SV	TH_SVIDEO	SVideo Connector	AMP	749230-1	Digikey	749230-1-ND
TLC7733IPW	U5	SMT_SOIC_PW8		Texas Instruments	TLC7733IPW	TI Sample Room	Same
TPS70251	U1	SMT_TSSOP_PWP20	Dual Voltage Regulator 1.8V & 3.3V	Texas Instruments	TPS70851PWP	TI Sample Room	Same
TVP5147M1	U4		TVP5147M1 Video Decoder	*	*	*	*
ZENER	D1	SMT_1210	Zener Diode	General Semi	SS26	Digikey	SS26-ND

Notes:

Do not populate the following: R13, R14, R17, R18, R28, and H2

U3, U4, and Q1 are the only new parts in this design that are different from TVP5146 EVM

Jumper settings:	
Surface Mount	Shunt
JP6 - Short 2-3	JP4 - Short 2-3
JP5 - Short 1-2	JP1 - Short 1-3 and 2-4
JP3 - Short 2-3	JP2 - Short 1-3 and 2-4
JP11 - Short 2-3	JP7 - Short 1-3 and 2-4
	JP8 - Short 1-3 and 2-4
	JP9 - Short 1-3 and 2-4
	JP10 - Short 1-3 and 2-4

BOM for TVP5150A EVM REV 1.1 (included in TVP5150A EVM kit)

Part Type	Designator	Footprint	Description	Manufacturer	Manu. Part #	Disti.	Disti Part #
/PDN	JP5	SMT_0603_JMP3	Three Way Jumper	NA	NA	NA	NA
0	R6	SMT_0603	Resistor	Panasonic	ERJ-3GEY0R00Y	Digikey	P0.0GCT-ND
0	R32	SMT_0603	Resistor	Panasonic	ERJ-3GEY0R00Y	Digikey	P0.0GCT-ND
0	R26	SMT_0603	Resistor	Panasonic	ERJ-3GEY0R00Y	Digikey	P0.0GCT-ND
0	R44	SMT_0603	Resistor	Panasonic	ERJ-3GEY0R00Y	Digikey	P0.0GCT-ND
0	R48	SMT_0603	Resistor	Panasonic	ERJ-3GEY0R00Y	Digikey	P0.0GCT-ND
0	R5	SMT_0603	Resistor	Panasonic	ERJ-3GEY0R00Y	Digikey	P0.0GCT-ND
0	R46	SMT_0603	Resistor	Panasonic	ERJ-3GEY0R00Y	Digikey	P0.0GCT-ND
0	R25	SMT_0603	Resistor	Panasonic	ERJ-3GEY0R00Y	Digikey	P0.0GCT-ND
0	R31	SMT_0603	Resistor	Panasonic	ERJ-3GEY0R00Y	Digikey	P0.0GCT-ND
0	R30	SMT_0603	Resistor	Panasonic	ERJ-3GEY0R00Y	Digikey	P0.0GCT-ND
0	R29	SMT_0603	Resistor	Panasonic	ERJ-3GEY0R00Y	Digikey	P0.0GCT-ND
0	R27	SMT_0603	Resistor	Panasonic	ERJ-3GEY0R00Y	Digikey	P0.0GCT-ND
0	R24	SMT_0603	Resistor	Panasonic	ERJ-3GEY0R00Y	Digikey	P0.0GCT-ND
0	R28	SMT_0603	Resistor	Panasonic	ERJ-3GEY0R00Y	Digikey	P0.0GCT-ND
0	R33	SMT_0805	Resistor	Panasonic	ERJ-3GEY0R00Y	Digikey	P0.0GCT-ND
0	R34	SMT_0805	Resistor	Panasonic	ERJ-3GEY0R00Y	Digikey	P0.0GCT-ND
0	R37	SMT_0805	Resistor	Panasonic	ERJ-3GEY0R00Y	Digikey	P0.0GCT-ND
0	R38	SMT_0805	Resistor	Panasonic	ERJ-3GEY0R00Y	Digikey	P0.0GCT-ND
0	R35	SMT_0805	Resistor	Panasonic	ERJ-3GEY0R00Y	Digikey	P0.0GCT-ND
0	R36	SMT_0805	Resistor	Panasonic	ERJ-6GEY0R00V	Digikey	P0.0ACT-ND
0.1uF	C15	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
0.1uF	C9	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
0.1uF	C35	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
0.1uF	C21	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
0.1uF	C11	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
0.1uF	C16	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
0.1uF	C19	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
0.1uF	C10	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
0.1uF	C20	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
0.1uF	C14	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
0.1uF	C17	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
0.1uF	C12	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
0.1uF	C18	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
0.1uF	C3	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND

0.1uF	C13	SMT_0603	Capacitor	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND
1uF	C22	SMT_0603	Capacitor	Panasonic	ECJ-1VB0J105K	Digikey	PCC1915CT-ND
1uF	C23	SMT_0603	Capacitor	Panasonic	ECJ-1VB0J105K	Digikey	PCC1915CT-ND
1uF	C24	SMT_0603	Capacitor	Panasonic	ECJ-1VB0J105K	Digikey	PCC1915CT-ND
1uF	C36	SMT_0603	Capacitor	Panasonic	ECJ-1VB0J105K	Digikey	PCC1915CT-ND
1uH/0.8A/<1R	L1	SMT_1210	Inductor or Ferrite Bead	API Delevan	S1812-102K	Digikey	DN1112CT-ND
1uH/0.8A/<1R	L3	SMT_1210	Inductor or Ferrite Bead	API Delevan	S1812-102K	Digikey	DN1112CT-ND
1uH/0.8A/<1R	L5	SMT_1210	Inductor or Ferrite Bead	API Delevan	S1812-102K	Digikey	DN1112CT-ND
1uH/0.8A/<1R	L4	SMT_1210	Inductor or Ferrite Bead	API Delevan	S1812-102K	Digikey	DN1112CT-ND
2.2k	R7	SMT_0603	Resistor	Panasonic	ERJ-3GEYJ222V	Digikey	P2.2KGCT-ND
2.2k	R11	SMT_0603	Resistor	Panasonic	ERJ-3GEYJ222V	Digikey	P2.2KGCT-ND
2.2k	R8	SMT_0603	Resistor	Panasonic	ERJ-3GEYJ222V	Digikey	P2.2KGCT-ND
2.2k	R9	SMT_0603	Resistor	Panasonic	ERJ-3GEYJ222V	Digikey	P2.2KGCT-ND
2.2k	R10	SMT_0603	Resistor	Panasonic	ERJ-3GEYJ222V	Digikey	P2.2KGCT-ND
2.7uH	L10	SMT_0603	Inductor or Ferrite Bead	TDK Corp.	MLF1608A2R7K	Digikey	445-1018-1-ND
2.7uH	L9	SMT_0603	Inductor or Ferrite Bead	TDK Corp.	MLF1608A2R7K	Digikey	445-1018-1-ND
2.7uH	L11	SMT_0603	Inductor or Ferrite Bead	TDK Corp.	MLF1608A2R7K	Digikey	445-1018-1-ND
2.7uH	L8	SMT_0603	Inductor or Ferrite Bead	TDK Corp.	MLF1608A2R7K	Digikey	445-1018-1-ND
10k	R41	SMT_0603	Resistor	Panasonic	ERJ-3GEYJ103V	Digikey	P10KGCT-ND
10k	R40	SMT_0603	Resistor	Panasonic	ERJ-3GEYJ103V	Digikey	P10KGCT-ND
10k	R42	SMT_0603	Resistor	Panasonic	ERJ-3GEYJ103V	Digikey	P10KGCT-ND
10k	R45	SMT_0603	Resistor	Panasonic	ERJ-3GEYJ103V	Digikey	P10KGCT-ND
12C ADR	JP4	SMT_0805_JMP3_TH	Three Way Jumper	NA	NA	NA	NA
14.31818MHz	Y1	SMT_XTAL	Crystal	MMD Comp	MMD14.31818	MMD Comp	Same
22uF	C8	SMT_1206	Capacitor	Panasonic	ECJ-3YB0J226M	Digikey	PCC2242CT-ND
22uF	C6	SMT_1206	Capacitor	Panasonic	ECJ-3YB0J226M	Digikey	PCC2242CT-ND
22uF	C7	SMT_1206	Capacitor	Panasonic	ECJ-3YB0J226M	Digikey	PCC2242CT-ND
22uF	C34	SMT_1206	Capacitor	*	*	*	*
22uF	C4	SMT_1206	Capacitor	Panasonic	ECJ-3YB0J226M	Digikey	PCC2242CT-ND
22uF	C5	SMT_1206	Capacitor	Panasonic	ECJ-3YB0J226M	Digikey	PCC2242CT-ND
33pF	C26	SMT_0603	Capacitor	Panasonic	ECJ-1VC1H330J	Digikey	PCC330ACVCT-ND
33pF	C25	SMT_0603	Capacitor	Panasonic	ECJ-1VC1H330J	Digikey	PCC330ACVCT-ND
47uF	C33	SMT_1210	Polarized Capacitor	*	*	*	*
47uF	C1	SMT_1210	Polarized Capacitor	Panasonic	ECJ-4YF0J476Z	Digikey	PCC2237CT-ND
47uF	C2	SMT_1210	Polarized Capacitor	Panasonic	ECJ-4YF0J476Z	Digikey	PCC2237CT-ND
56.25	R19	SMT_0603	Resistor	Panasonic	ERJ-3EKF56R2V	Digikey	P56.2HCT-ND
56.25	R22	SMT_0603	Resistor	Panasonic	ERJ-3EKF56R2V	Digikey	P56.2HCT-ND
56.25	R17	SMT_0603	Resistor	Panasonic	ERJ-3EKF56R2V	Digikey	P56.2HCT-ND

56.25	R18	SMT_0603	Resistor	Panasonic	ERJ-3EKF56R2V	Digikey	P56.2HCT-ND
74AHC05	U2			TI	*	TI Sample Room	*
75	R49	SMT_0603	Resistor	Panasonic	ERJ-3GEYJ750V	Digikey	P75GCT-ND
75	R47	SMT_0603	Resistor	Panasonic	ERJ-3GEYJ750V	Digikey	P75GCT-ND
100k	R12	SMT_0603	Resistor	Panasonic	ERJ-3GEYJ104V	Digikey	P100KGCT-ND
100k	R43	SMT_0603	Resistor	Panasonic	ERJ-3GEYJ104V	Digikey	P100KGCT-ND
225	R20	SMT_0603	Resistor	Panasonic	ERJ-3EKF2260V	Digikey	P226HCT-ND
225	R53	SMT_0603	Resistor	Panasonic	ERJ-3EKF2260V	Digikey	P226HCT-ND
225	R51	SMT_0603	Resistor	Panasonic	ERJ-3EKF2260V	Digikey	P226HCT-ND
225	R50	SMT_0603	Resistor	Panasonic	ERJ-3EKF2260V	Digikey	P226HCT-ND
225	R52	SMT_0603	Resistor	Panasonic	ERJ-3EKF2260V	Digikey	P226HCT-ND
225	R39	SMT_0603	Resistor	Panasonic	ERJ-3EKF2260V	Digikey	P226HCT-ND
225	R23	SMT_0603	Resistor	Panasonic	ERJ-3EKF2260V	Digikey	P226HCT-ND
225	R21	SMT_0603	Resistor	Panasonic	ERJ-3EKF2260V	Digikey	P226HCT-ND
250k	R4	SMT_0603	Resistor	Panasonic	ERJ-3EKF2493V	Digikey	P249KHCT-ND
250k	R3	SMT_0603	Resistor	Panasonic	ERJ-3EKF2493V	Digikey	P249KHCT-ND
250k	R2	SMT_0603	Resistor	Panasonic	ERJ-3EKF2493V	Digikey	P249KHCT-ND
330	R1	SMT_0603	Resistor	Panasonic	ERJ-3GEYJ331V	Digikey	P330GCT-ND
330pF	C27	SMT_0603	Capacitor	Panasonic	ECJ-1VC1H331J	Digikey	PCC331ACVCT-ND
330pF	C28	SMT_0603	Capacitor	Panasonic	ECJ-1VC1H331J	Digikey	PCC331ACVCT-ND
330pF	C31	SMT_0603	Capacitor	Panasonic	ECJ-1VC1H331J	Digikey	PCC331ACVCT-ND
330pF	C32	SMT_0603	Capacitor	Panasonic	ECJ-1VC1H331J	Digikey	PCC331ACVCT-ND
680pF	C29	SMT_0603	Capacitor	Panasonic	ECJ-1VC1H681J	Digikey	PCC2149CT-ND
680pF	C30	SMT_0603	Capacitor	Panasonic	ECJ-1VC1H681J	Digikey	PCC2149CT-ND
ADG736	U4	SMT_USOIC10	SPDT Analog Switch	ADI	ADG736BRM	Arrow	ADG736BRM
BNC_RA	BNC2	TH_BNC_RA	BNC Connector	AMP	413558-1	Digikey	A24611-ND
BNC_RA	BNC1	TH_BNC_RA	BNC Connector	AMP	413558-1	Digikey	A24611-ND
DB25	P3	TH_DB25F_RA	DB25 Female Connector	Norcomp	182-025-212-531	Digikey	182-25F-ND
FUSE	F1	SMT_1206	Fuse	Cooper Bussmann	TR/3216FF-2A	Digikey	283-2447-1-ND
HEADER 3	H1	TH_HEADER3		3M/ISD	NA	Digikey	NA
HEADER 10X2	H2	TH_HEADER10X2		3M/ISD	929665-09-36-1	Digikey	929665-09-36-ND
I/O VDD	JP3	SMT_0603_JMP3	Three Way Jumper	NA	NA	NA	NA
JMP3	JP1	SMT_0603_JMP3	Three Way Jumper	NA	NA	NA	NA
JMP3	JP2	SMT_0603_JMP3	Three Way Jumper	*	*	*	*
LED	LED1	SMT_1206LED	LED	Lite-On Inc.	LTST-C150GKT	Digikey	160-1169-1-ND
PB	S1	SMT_SWITCH	Push Buttom Switch	Panasonic	EVQ-PJX04M	Digikey	P8050SCT-ND
PJ-002BH	P1	TH_DC_JACK	DC Power Jack	CUI	PJ-002BH	Digikey	CP-002BH-ND

RESARRAY_ISO_8	R15	SMT_RESARRAY_ISO_8	Isolated Res Array, 8 Rs	Panasonic	EXB-2HV220JV	Digikey	Y1220CT-ND
RESARRAY_ISO_8	R16	SMT_RESARRAY_ISO_8	Isolated Res Array, 8 Rs	Panasonic	EXB-2HV220JV	Digikey	Y1220CT-ND
SAMTEC_TMMS_120PIN_M_RA	P2	TMMS_120PIN_M_RA		*	*	*	*
SVIDEO	SV1	TH_SVIDEO	SVideo Connector	AMP	749230-1	Digikey	749230-1-ND
TLC7733IPW	U5	SMT_SOIC_PW8		Texas Instruments	TLC7733IPW	TI Sample Room	Same
TP	TP4	TH_TPS	Through Hole Testpoint	NA	NA	NA	NA
TP	TP3	TH_TPS	Through Hole Testpoint	NA	NA	NA	NA
TP	TP2	TH_TPS	Through Hole Testpoint	NA	NA	NA	NA
TP	TP1	TH_TPS	Through Hole Testpoint	NA	NA	NA	NA
TPS70851	U1	SMT_TSSOP_PWP20	Dual Voltage Regulator 1.8V & 3.3V	Texas Instruments	TPS70851PWP	TI Sample Room	Same
TVP5150AM1	U3	SMT_TQFP_PBS32	TVP5150AM1 Video Decoder	Texas Instruments	TVP5150AM1PBS	TI Sample Room	Same
ZENER	D1	SMT_1812_DIODE	Zener Diode	General Semi	SS26	Digikey	SS26-ND
HEADER 2X2	JP6	TH_HEADER2X2		3M/ISD	929665-09-36-I	Digikey	929665-09-36-ND
HEADER 2X2	JP7	TH_HEADER2X2		3M/ISD	929665-09-36-I	Digikey	929665-09-36-ND

Note:

Do not populate the following: R44

BOM for ADV7194 Encoder EVM REV 1.0 (included in TVP5146, TVP5147 and TVP5150A EVM kits)

Qty	Part Type	Designator	Footprint	Manufacturer	Manu. Part No.	Distributor	Dist. Part No.	Price Per
4	0	R3 R5 R15 R16	SMT_0603	Panasonic	ERJ-3GEY0R00V	Digikey	P0.0GCT-ND	*
16	0.1uF	C1 C3 C4	SMT_0603	Panasonic	ECJ-1VB1C104K	Digikey	PCC1762CT-ND	.06940/100
		C5 C6 C7						
		C8 C9 C10						
		C11 C12						
		C14 C16						
		C17 C19						
		C22						
1	0.01uF	C43	SMT_0603	Panasonic	ECJ-1VB1C103K	Digikey	PCC1750CT-ND	0.04860/100
2	1.2k	R49 R50	SMT_0603	Panasonic	ERJ-3GEYJ122V	Digikey	P1.2KGCT-ND	0.02465/200
7	1uF	C24 C25	SMT_0603	Panasonic	ECJ-1VB0J105K	Digikey	PCC1915CT-ND	
		C26 C27						
		C39 C40						
		C41						
2	1uH/0.8A/<1R	L1 L2	SMT_1210	API Delevan	S1812-102K	Digikey	DN1112CT-ND	1.11/100
1	10k	R51	SMT_0603	Panasonic	ERJ-3GEYJ103V	Digikey	P10KGCT-ND	*
3	22uF	C44 C45	SMT_1206	Panasonic	ECJ-3YB0J226M	Digikey	PCC2242CT-ND	.97140/100
		C46						
2	47uF	C47 C48	SMT_1210	Panasonic	ECJ-4YF0J476Z	Digikey	PCC2237CT-ND	1.45360/100
6	75	R13 R14	SMT_0603	Panasonic	ERJ-3GEYJ750V	Digikey	P75GCT-ND	.02465/200
		R19 R20						
		R23 R24						
1	100k	R12	SMT_0603	Panasonic	ERJ-3GEYJ104V	Digikey	P100KGCT-ND	.02465/200
13	330	R11 R25	SMT_0603	Panasonic	ERJ-3GEYJ331V	Digikey	P330GCT-ND	.02465/200
		R26 R27						
		R28 R29						
		R30 R31						
		R32 R33						
		R34 R35						
		R36						
12	600	R17 R18	SMT_0603	Yageo America	9C06031A6040FK HFT	Digikey	311-604HCT-ND	*
		R21 R22						
		R37 R39						
		R40 R46						

		R47 R48						
		R52 R53						
3	OPA2356AIDGKR	U4 U5 U6	SMT_AD8052	Texas Instruments	OPA2356AIDGKR	TI Sample Room	IN STOCK	IN STOCK
1	ADV7194	U7	SMT_ADV7194	Analog Devices	ADV7194	Arrow	*	*
4	BNC_RA	BNC1 BNC2 BNC3 BNC4	TH_BNC_RA	AMP	413558-1	Digikey	A24611-ND	3.48500/100
1	FUSE	F1	SMT_1206	Cooper Bussmann	TR/3216FF-2A	Digikey	283-2447-1-ND	.6640/100
1	HEADER 6X2	H4	TH_HEADER6X2	NA	NA	NA	NA	NA
2	HEADER 10X2	H2 H3	TH_HEADER10X2	3M/ISD	929665-09-36-I	Digikey	929665-09-36-ND	2.73340/100
1	JMP3	JP1	SMT_0805_JMP3_T H	NA	NA	NA	NA	NA
12	22uH	L3 L4 L6 L7 L9 L10 L12 L13 L15 L16 L18 L19	SMT_1008	Panasonic	ELJ-FC220KF	Digikey	PCD1077CT-ND	*
6	6.8uH	L5 L8 L11 L14 L17 L20	SMT_1008	Panasonic	ELJ-FC6R8KF	Digikey	PCD1071CT-ND	
6	22pF	C15 C21 C29 C32 C35 C38	SMT_0805	Panasonic	ECJ-2VC1H220J	Digikey	PCC220CNCT-ND	
6	56pF	C13 C20 C28 C31 C34 C37	SMT_0805	Panasonic	ECJ-2VC1H560J	Digikey	PCC560CGCT-ND	
6	68pF	C2 C18 C23 C30 C33 C36	SMT_0805	Panasonic	ECJ-2VC1H680J	Digikey	PCC680CGCT-ND	
1	LED	LED1	SMT_1206LED	Lite-On Inc	LTST-C150GKT	Digikey	160-1169-1-ND	0.1100/100
1	PB	S1	SMT_SWITCH	Panasonic	EVQ-PJX04M	Digikey	P8050SCT-ND	0.75400/100
1	SAMTEC_TMMS_120PIN_F_R A	P2	TMMS_120PIN_F_R A	*	*	*	*	*
1	SVIDEO	SV1	TH_SVIDEO	AMP	749230-1	Digikey	749230-1-ND	1.12480/100
1	TLC7733IPW	U3	SMT_SOIC_PW8	Texas Instruments	TLC7733IPW	TI Sample Room	Same	NA
1	TPS76433	U2	SMT_SOT23_DBV	Texas Instruments	TPS76433DBVR	TI Sample Room	Same	NA

Notes:

TI will provide U2, U3, U4, U5, and U6

Do not populate the following:

R1, R2, R4, R6, R7, R8, R9, R10, U1, C42, C49, C50, C51, C52, C53, P1, P3, D1

For U7, contact Arrow and mention that this device is needed for the TI 7194 EVM board to get the TI price.

BOM for TVP5150/1 EVM REV 2.0 (Low-Cost EVM)

Item	Quantity	Reference	Part	Part #	Manufacturer
1	11	C1	22uF	ECJ-4YF1C226Z	Panasonic
		C3	22uF	ECJ-4YF1C226Z	Panasonic
		C5	22uF	ECJ-4YF1C226Z	Panasonic
		C7	22uF	ECJ-4YF1C226Z	Panasonic
		C9	22uF	ECJ-4YF1C226Z	Panasonic
		C13	22uF	ECJ-4YF1C226Z	Panasonic
		C15	22uF	ECJ-4YF1C226Z	Panasonic
		C18	22uF	ECJ-4YF1C226Z	Panasonic
		C20	22uF	ECJ-4YF1C226Z	Panasonic
		C63	22uF	ECJ-4YF1C226Z	Panasonic
		C65	22uF	ECJ-4YF1C226Z	Panasonic
2	13	C2	1uF	ECJ-1VB0J105K	Panasonic
		C8	1uF	ECJ-1VB0J105K	Panasonic
		C14	1uF	ECJ-1VB0J105K	Panasonic
		C17	1uF	ECJ-1VB0J105K	Panasonic
		C19	1uF	ECJ-1VB0J105K	Panasonic
		C21	1uF	ECJ-1VB0J105K	Panasonic
		C36	1uF	ECJ-1VB0J105K	Panasonic
		C46	1uF	ECJ-1VB0J105K	Panasonic
		C47	1uF	ECJ-1VB0J105K	Panasonic
		C51	1uF	ECJ-1VB0J105K	Panasonic
		C69	1uF	ECJ-1VB0J105K	Panasonic
C73	1uF	ECJ-1VB0J105K	Panasonic		
C79	1uF	ECJ-1VB0J105K	Panasonic		
3	23	C4	0.1uF	ECJ-1VB1C104K	Panasonic
		C10	0.1uF	ECJ-1VB1C104K	Panasonic
		C22	0.1uF	ECJ-1VB1C104K	Panasonic
		C23	0.1uF	ECJ-1VB1C104K	Panasonic
		C24	0.1uF	ECJ-1VB1C104K	Panasonic
		C26	0.1uF	ECJ-1VB1C104K	Panasonic
		C27	0.1uF	ECJ-1VB1C104K	Panasonic
		C28	0.1uF	ECJ-1VB1C104K	Panasonic
		C29	0.1uF	ECJ-1VB1C104K	Panasonic
		C30	0.1uF	ECJ-1VB1C104K	Panasonic
		C31	0.1uF	ECJ-1VB1C104K	Panasonic
		C32	0.1uF	ECJ-1VB1C104K	Panasonic
		C48	0.1uF	ECJ-1VB1C104K	Panasonic
C49	0.1uF	ECJ-1VB1C104K	Panasonic		

		C50	0.1uF	ECJ-1VB1C104K	Panasonic
		C52	0.1uF	ECJ-1VB1C104K	Panasonic
		C54	0.1uF	ECJ-1VB1C104K	Panasonic
		C57	0.1uF	ECJ-1VB1C104K	Panasonic
		C64	0.1uF	ECJ-1VB1C104K	Panasonic
		C66	0.1uF	ECJ-1VB1C104K	Panasonic
		C67	0.1uF	ECJ-1VB1C104K	Panasonic
		C68	0.1uF	ECJ-1VB1C104K	Panasonic
		C70	0.1uF	ECJ-1VB1C104K	Panasonic
4	2	C6	68uF	EEV-FC1C680P	Panasonic
		C16	68uF	EEV-FC1C680P	Panasonic
5	1	C25	0.01uF	ECJ-1VB1C103K	Panasonic
6	1	C33	10uF	ECJ-1VB0G106M	Panasonic
7	2	C34	0.47uF	ECJ-1VB0J474K	Panasonic
		C35	0.47uF	ECJ-1VB0J474K	Panasonic
8	5	C37	8.2pf	06035A8R2CAT2A	AVX
		C40	8.2pf	06035A8R2CAT2A	AVX
		C43	8.2pf	06035A8R2CAT2A	AVX
		C53	8.2pf	06035A8R2CAT2A	AVX
		C58	8.2pf	06035A8R2CAT2A	AVX
9	10	C38	330pf	ECJ-1VC1H331J	Panasonic
		C39	330pf	ECJ-1VC1H331J	Panasonic
		C41	330pf	ECJ-1VC1H331J	Panasonic
		C42	330pf	ECJ-1VC1H331J	Panasonic
		C44	330pf	ECJ-1VC1H331J	Panasonic
		C45	330pf	ECJ-1VC1H331J	Panasonic
		C55	330pf	ECJ-1VC1H331J	Panasonic
		C56	330pf	ECJ-1VC1H331J	Panasonic
		C60	330pf	ECJ-1VC1H331J	Panasonic
		C61	330pf	ECJ-1VC1H331J	Panasonic
10	2	C59	33pF	ECJ-1VC1H330J	Panasonic
		C62	33pF	ECJ-1VC1H330J	Panasonic
11	2	C71	22pF	ECJ-1VC1H220J	Panasonic
		C72	22pF	ECJ-1VC1H220J	Panasonic
12	2	R8	DNP	DNP	Panasonic
		C80	DNP	DNP	Panasonic
13	1	D1	DNP	B340A-FDICT-ND	Digikey
14	2	D2	LTST-C150GKT	LTST-C150GKT	LITE-ON
		D4	LTST-C150GKT	LTST-C150GKT	Lite-On
15	1	D3	B340A	B340A-FDICT-ND	Digikey

16	1	F1	TR/3216FF-2A	TR/3216FF-2A	Cooper Bussmann
17	1	J1	PJ-002BH	PJ-002BH	CUI
18	2	J2 J6	0 0	ERJ-3GEY0R00V ERJ-3GEY0R00V	Panasonic Panasonic
19	1	J3	RCA-RGB-CUI	RCJ-32265	CUI
20	2	J4 J5	RCA-Video-KOBI RCA-Video-KOBI	161-0099 161-0099	KOBICONN KOBICONN
21		J7	JMP3		
22	1	J8	USB_B	AU-Y1007-R	ASSMAN
23	1	J9	JMP2_on		
24	1	J10 J11	0 DNP	ERJ-6GEY0R00V DNP	Panasonic
25	4	L1 L2 L7 L14	50@100MHz 50@100MHz 50@100MHz 50@100MHz	BLM31PG500SN1L BLM31PG500SN1L BLM31PG500SN1L BLM31PG500SN1L	Murata Murata Murata Murata
26	5	L3 L5 L6 L8 L15	600@100MHz 600@100MHz 600@100MHz 600@100MHz 600@100MHz	BLM18AG601SN1 BLM18AG601SN1 BLM18AG601SN1 BLM18AG601SN1 BLM18AG601SN1	Murata Murata Murata Murata Murata
27	5	L9 L10 L11 L12 L13	2.2uH 2.2uH 2.2uH 2.2uH 2.2uH	MLF1608A2R2K MLF1608A2R2K MLF1608A2R2K MLF1608A2R2K MLF1608A2R2K	TDK TDK TDK TDK TDK
28	1	P1	HEADER10X2		
29	1	Q1	MMBT2222A	MMBT2222A	Fairchild
30	2	R1 R2	0 0	ERJ-8GEY0R00V ERJ-8GEY0R00V	Panasonic Panasonic
31	8	R3 R4 R23 R29 R30 R31 R43 R44	100K 100K 100K 100K 100K 100K 100K 100K	ERJ-3GEYJ104V ERJ-3GEYJ104V ERJ-3GEYJ104V ERJ-3GEYJ104V ERJ-3GEYJ104V ERJ-3GEYJ104V ERJ-3GEYJ104V ERJ-3GEYJ104V	Panasonic Panasonic Panasonic Panasonic Panasonic Panasonic Panasonic Panasonic
32	1	R5	330	ERJ-3GEYJ331V	Panasonic
33	13	R6	2.2K	ERJ-3GEYJ222V	Panasonic

		R7	2.2K	ERJ-3GEYj222V	Panasonic
		R11	2.2K	ERJ-3GEYj222V	Panasonic
		R12	2.2K	ERJ-3GEYj222V	Panasonic
		R16	2.2K	ERJ-3GEYj222V	Panasonic
		R17	2.2K	ERJ-3GEYJ222V	Panasonic
		R45	2.2K	ERJ-3GEYJ222V	Panasonic
		R46	2.2K	ERJ-3GEYJ222V	Panasonic
		R49	2.2K	ERJ-3GEYj222V	Panasonic
		R51	2.2K	ERJ-3GEYJ222V	Panasonic
		R52	2.2K	ERJ-3GEYJ222V	Panasonic
		R53	2.2K	ERJ-3GEYJ222V	Panasonic
		R54	2.2K	ERJ-3GEYJ222V	Panasonic
34	2	R9	3K	ERA-3YEB302V	Panasonic
		R10	3K	ERA-3YEB302V	Panasonic
35	3	R13	75	ERJ-3GEYJ750V	Panasonic
		R14	75	ERJ-3GEYJ750V	Panasonic
		R15	75	ERJ-3GEYJ750V	Panasonic
36	4	R18	37.4	MCR03EZPFX37R4	Rhom
		R19	37.4	MCR03EZPFX37R4	Rhom
		R21	37.4	MCR03EZPFX37R4	Rhom
		R22	37.4	MCR03EZPFX37R4	Rhom
37	6	R20	0	ERJ-3GEY0R00V	Panasonic
		R28	0	ERJ-3GEY0R00V	Panasonic
		R129	0	ERJ-3GEY0R00V	Panasonic
		R130	0	ERJ-3GEY0R00V	Panasonic
		R131	0	ERJ-3GEY0R00V	Panasonic
		R132	0	ERJ-3GEY0R00V	Panasonic
38	3	R25	10K	ERJ-3GEYJ103V	Panasonic
		R26	10K	ERJ-3GEYJ103V	Panasonic
		R27	10K	ERJ-3GEYJ103V	Panasonic
39	1	R35	1.5K	ERJ-3GEYJ152V	Panasonic
40	2	R38	15K	ERJ-3GEYJ153V	Panasonic
		R48	15K	ERJ-3GEYJ153V	Panasonic
41	3	R20	33	ERJ-3GEYJ330V	Panasonic
		R40	33	ERJ-3GEYJ330V	Panasonic
		R42	33	ERJ-3GEYJ330V	Panasonic
42	1	R41	200	ERJ-3GEYJ201V	Panasonic
43	1	R47	1M	ERJ-3GEYJ105V	Panasonic
44	1	R50	200K	ERJ-3GEYJ204V	Panasonic
45	1	SW1	EVQ-PJX04M	EVQ-PJX04M	Panasonic

46	3	TP1 TP3 TP4	CON1 CON1 CON1	5000K-ND 5000K-ND 5000K-ND	Keystone Keystone Keystone
47	1	TP2	CON1	5001K-ND	Keystone
48	4	TP12 TP13 TP14 TP15	Hole Hole Hole Hole	DNP DNP DNP DNP	
49	1	TP17	SDA	5002K-ND	Keystone Electronics
50	1	TP18	SCL	5002K-ND	Keystone Electronics
51	1	TP19	GND	5002K-ND	Keystone Electronics
52	1	TP20	USB_RESET	5002K-ND	Keystone Electronics
53	1	U1	TPS70851PWP	TPS70851PWP	TI
54	1	U2A	THS8200	THS8200PFP	TI
55	1	U3	TVP5151PBS	TVP5151PBS	TI
56	1	U4	TPS76333DBV	TPS76333DBV	TI
57	1	U5	TUSB3210PM	TUSB3210PM	TI
58	1	U7	24LC64	24LC64-I/SN	MicroChip
59	1	U14	PCA9306DCTT	PCA9306DCTT	TI
60	1	Y1	XTAL	ABM3-27.000MHz-B2-T	Abracon
61	1	Y2	12MHz	ABM3-12.000MHZ-B2-T	Abracon
62	1	RP1	Resistor Array (33)	EXB-2HV330JV	Panasonic

BOM for TVP5154 EVM REV 1.2 (included in TVP5154 EVM kit)

Qty	Item#	Manf. P/N	Description	Manufacturer	Optional Links	Designator
1	1	929647-09-36-I	HEADER, TH, 100mil spacing, 38mil hole, 50mil pad	3M/ESD		JP11
10	2	ERJ-3GEY0R00V	RES, SMT_0603, 0 OHM, 1/16W	PANASONIC		R90 R91 R93 R94 R95 R96 R97 R98 R99 R100
28	3	06035C103KAT2 A	CAP, SMT_0402, 0.01uF, 50V, +/-10%, X5R	AVX CORPORATION		C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23 C24 C25 C26 C27 C28 C29 C30 C31 C32 C33 C34 C51 C52 C53 C54 C55 C56
136	4	ECJ-1VB1C104K	CAP, SMT_0603, 0.1uF	PANASONIC		C1 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12 C35 C36 C37 C38 C39 C40 C41 C42 C43 C44 C45 C46 C47 C48 C49 C50 C57 C58 C59 C60 C61 C62 C63 C64 C65 C66 C67 C68 C69 C70 C71 C72 C73 C74 C75 C76 C77 C78 C79 C80 C81 C82 C83 C84 C85 C86C87 C88 C89 C90 C91 C92 C93 C94 C95 C96 C97 C98 C99 C100 C101 C102 C103 C104 C105 C106 C107 C108 C109 C110 C111 C112 C113 C114 C115 C116 C117 C118 C119 C120 C121 C122 C123 C124 C125 C126 C127 C128 C129 C130 C131 C132 C133 C134 C135 C136 C137 C138 C139 C140 C141 C142 C143 C144 C145 C146 C147 C148 C149 C150 C151 C152 C153 C154 C155 C156 C157 C158 C159 C160 C161 C162 C163 C164 C165
1	5	06035C103KAT2 A	CAP, SMT_0603, 0.01uF	AVX CORPORATION		C274
2	6	ECJ-1VB1C393K	CAP, SMT_0603, 0.039uF, 16V, +/-10%, X7R	PANASONIC		C256 C257
2	7	ECJ-1VB1C473K	CAP, SMT_0603, 0.047uF, 16V, +/-10%, X7R	PANASONIC		C261 C262
1	8	ERJ-3EKF1651V	RES, SMT_0603, 1.65k OHM, 1%, 1/16W	PANASONIC		R135
13	9	ERA-V27J102V	RES, SMT_0603, 1k OHM, +/-5%, 1/16W	PANASONIC		R12 R15 R18 R20 R25 R29 R30 R31 R33 R35 R36 R37 R38
24	10	ECJ-1VB0J105K	CAP, SMT_0603, 1uF, 6.3V, +/-10%, X5R	PANASONIC		C178 C179 C180 C181 C182 C183 C184 C185 C186 C187 C188 C189 C190 C191 C192 C193 C194 C195 C196 C197 C198 C199 C200 C201
20	11	S1812-102K	FERRITE BEAD, SMT_1210, 1uH/0.8A/<1R	API DELEVAN		L12 FB1 FB2 FB3 FB4 FB5 FB6 FB7 FB8 FB9 FB10

						FB11 FB12 FB13 FB14 FB15 FB16 FB17 FB18 FB19
7	12	ERJ-3GEYJ222V	RES, SMT_0603, 2.2k OHM, +/-5%, 1/10W	PANASONIC		R82 R83 R84 R85 R86 R87 R88
8	13	MLF1608A2R2K	INDUCTOR, SMT_0603, 2.2uH, +/-10%	TDK CORPORATION		L4 L5 L6 L7 L8 L9 L10 L11
2	14	ELL-6RH2R7M	INDUCTOR, SMT, 2.7uH	PANASONIC	ELL-6RH2R7M.pdf	L17 L18
1	15	ERJ-3EKF2001V	RES, SMT_0603, 2k OHM, 1%, 1/16W	PANASONIC		R127
1	16	ERJ-3EKF3741V	RES, SMT_0603, 3.74k OHM, 1%, 1/16W	PANASONIC		R129
1	17	ERA-V15J472V	RES, SMT_0603, 4.7k OHM, 5%, 1/16W	PANASONIC		R89
8	18	06035A8R2CAT2 A	CAP, SMT_0603, 8.2pF, 50V, +/-25pF	AVX CORPORATION		C202 C203 C204 C205 C206 C207 C208 C209
2	19	RK73H1J1002F	RES, SMT_0603, 10k OHM, 1%, 1/16W	KOA SPEER ELECTRONICS		R130 R131
20	20	ERJ-3GEYJ103V	RES, SMT_0603, 10k OHM, 5%, 1/10W	PANASONIC		R39 R40 R41 R42 R43 R44 R45 R49 R50 R51 R52 R53 R54 R55 R56 R57 R58 R59 R60 R76
4	21	ECJ-3YB0J106K	CAP, SMT_1206, 10uF, 6.3V, X5R	PANASONIC		C169 C170 C171 C172
2	22	EMK325F106ZF- T	CAP, SMT_1210, 10uF, LESR, 16V	TAIYO YUDEN		C258 C259
1	23	F20BA1- 14.31818MHz or D20BA1- 14.31818MHz	CRYSTAL, SMT, 14.31818MHz	MMD COMPONENTS	F20BA1- 14.31818MHz.pdf	Y4
1	24	ERJ-3EK1742V	RES, SMT_0603, 17.4k OHM, 1%, 1/16W	PANASONIC		R128
1	25	ECJ-1VC1H180J	CAP, SMT_0603, 18pF, 50V, +/-5%	PANASONIC		C226
27	26	ECJ-3YB0J226M	CAP, SMT_1206, 22uF, 20%, 6.3V	PANASONIC		C228 C229 C230 C231 C232 C233 C234 C235 C236 C237 C238 C239 C240 C241 C242 C243 C244 C245 C246 C247 C248 C249 C250 C251 C252 C253 C254
1	27	CB3LV-3C- 25.0000-T	OSC, SMT, 25.00MHz	CTS ELECTRONICS	CB3LV-3C-25.0000- T.pdf	Y3
1	28	MI3050H- 27.00MHz	OSC, SMT, 27.00MHz	MMD COMPONENTS	MI3050H- 27.00MHz.pdf	Y1
14	29	RM73B1JT33RJ	RES, SMT_0603, 33 OHM, 5%, 1/16W	KOA SPEER ELECTRONICS		R1 R2 R3 R4 R5 R61 R62 R63 R64 R65 R66 R67 R68 R69
2	30	ECJ-1VC1H330J	CAP, SMT_0603, 33pF, 5%	PANASONIC		C176 C177
3	31	ECJ-4YB0J226M	CAP, SMT_1210, 22uF, 6.3V, +/-20%, X5R	PANASONIC	-	C173 C174 C175
16	32	MCR03EZPFX37 R4	RES, SMT_0603, 37.4 OHM, 1%, 1/10W	PANASONIC		R104 R105 R106 R107 R108 R109 R110 R111 R112 R113 R114 R115 R116 R117 R118 R119
1	33	ECJ-4YB0J476M	CAP, SMT_1210, 47uF, 6.3V, +/-20%, XR5	PANASONIC	-	C255
1	34	ECJ-4YB0J476M	CAP, SMT_1210, 47uF, 6.3V, +/-20%, XR5	PANASONIC		C227

1	35	ERJ-3EKF49R9V	RES, SMT_0603, 49.9 OHM	PANASONIC		R101
1	36	CB3LV-3C-50.0000-T	OSC, SMT, 50.00MHz	CTS ELECTRONICS	CB3LV-3C-50.0000-T.pdf	Y2
2	37	ERJ-3EKF7152V	RES, SMT_0603, 71.5k OHM, 1%, 1/16W	PANASONIC		R126 R134
1	38	ERJ-3GSYJ101V	RES, SMT_0603, 100 OHM, 5%, 1/16W, NO POP	PANASONIC		R120
2	39	ERJ-3GEYJ104V	RES, SMT_0603, 100k OHM, 5%, 1/10W	PANASONIC		R102 R103
2	40	GRM55FR60J107KA01	CAP, SMT_2220, 100uF, X5R, 6.3V	Murata Electronics		C264 C265
2	41	6TPC100M	CAP, SMT_2816, 100uF, POSCAP	SANYO		C270 C271
7	42	ERJ-3GEYJ151V	RES, SMT_0603, 150 OHM, 5%, 1/16W	PANASONIC		R72 R73 R74 R75 R77 R78 R79
3	43	ERJ-3EKF2493V	RES, SMT_0603, 249k OHM, 1%, 1/16W	PANASONIC		R123 R124 R125
1	44	ERJ-3GEYJ331V	RES, SMT_0603, 330 OHM, 5%, 1/10W	PANASONIC		R122
16	45	ECJ-1VC1H331J	CAP, SMT_0603, 330pF, 50V, +/-5%	PANASONIC		C210 C211 C212 C213 C214 C215 C216 C217 C218 C219 C220 C221 C222 C223 C224 C225
2	46	ERJ-3GEYJ361V	RES, SMT_0603, 360 OHM, 5%, 1/16W	PANASONIC		R70 R71
1	47	ECJ-1VC1H471J	CAP, SMT_0603, 470pF, 50V, +/-5%, X7R	PANASONIC		C260
1	48	ECJ-1VC1H561J	CAP, SMT_0603, 560pF, 50V, +/-5%, X7R	PANASONIC		C273
5	49	06035C102KAT2A	CAP, SMT_0603, 1000pF, 50V, +/-10%, X7R	AVX CORPORATION		C2 C166 C167 C268 C269
1	50	ERJ-3EKF1000V	RES, SMT_0603, 100 OHM, 1%, 1/16W	PANASONIC		R121
2	51	ERJ-3EKF1070V	RES, SMT_0603, 107 OHM, 1%, 1/16W	PANASONIC		R132 R133
2	52	ECJ-1VB1H332K	CAP, SMT_0603, 3300pF, 50V, +/-10%, X7R	PANASONIC		C266 C267
1	53	ECJ-1VB1H822K	CAP, SMT_0603, 8200pF, 50V, +/-10%, X7R	PANASONIC		C263
1	54	AM29LV033C-90EI	IC, TSOP40, FLASH, 4MB	AMD	AM29LV033C-90EI.pdf	U4
7	55	LTST-C150AKT	LED, SMT_1206, AMBER	LITE-ON		1 2 3 4 5 6 7
3	56	BLM21PG221SN1D	FERRITE BEAD, SMT_0805, 220 OHM	Murata Electronics		L1 L2 L3
2	57	BLM41P750SPT	FERRITE BEAD, SMT_1806, 75 OHM	Murata Electronics		L15 L16
8	58	413558-1	CONN, TH, BNC, RIGHT ANGLE	AMP	413558-1.pdf	BNC1 BNC2 BNC3 BNC4 BNC5 BNC6 BNC7 BNC8
1	59	182-025-212-531	CONN, TH, DB25, FEMALE, RIGHT ANGLE	NORCOMP	182-025-212-531.pdf	P2
1	60	EXCCET103U	FILTER, SMT, 0.01uF, EMI	PANASONIC	EXCCET103U.pdf	E1
1	61	TR/3216FF-3A	FUSE, SMT_1206, 3A	COOPER BUSSMANN		F1
1	62	LTST-C150GKT	LED, SMT_1206, GREEN	LITE-ON		LED1
11	63	398600702	CONN, TH, 2 PIN, MOLEX, NO POP	MOLEX	398600702.pdf	H8 H9 H10 H11 H12 H13 H14 H15 H16 H17 H18
1	64	929647-09-36-I	HEADER, TH, 3 PINS, 100mil spacing, 38mil	3M/ESD		H7

			hole, 50mil pad			
1	65	929665-09-36-1	HEADER, TH, 6X2 PINS, 100mil spacing, 38mil hole, 50mil pad, NO POP	3M/ESD		H1
1	66	929665-09-36-1	HEADER, TH, 7X2 PINS, 100mil spacing, 38mil hole, 50mil pad, CLIP PIN #6	3M/ESD		H6
4	67	929665-09-36-1	HEADER, TH, 16X2 PINS, 100mil spacing, 38mil hole, 50mil pad, NO POP	3M/ESD		H2 H3 H4 H5
2	68	929647-09-36-1	HEADER, TH, 100mil spacing, 38mil hole, 50mil pad	3M/ESD		JP9 JP10
1	69	ICS512M	IC, SO8, PLL CLOCK MULTIPLIER	INTEGRATED CIRCUIT SYSTEMS	ICS512M.pdf	U3
11	70	ERJ-6GEY0R00V	RES, SMT_0805, 0 OHM, 1/8W	PANASONIC		J1 J2 J3 J4 J5 J6 J7 J8 J9 J10 J11
2	71	MT48LC4M32B2 TG-6	IC, TSOP1186, SDRAM, 16MB	MICRON	MT48LC4M32B2TG-6.pdf	U7 U8
5	72	MURS120T3	DIODE, SMT, ULTRAFAST RECTIFIER, 1A, 50-600V	ON Semiconductor	MURS120T3.pdf	D13 D14 D15 D16 D17
25	73		RES, SMT_0603, NO POP	-		R6 R7 R8 R9 R10 R11 R13 R14 R16 R17 R19 R21 R22 R23 R24 R26 R27 R28 R32 R34 R80 R81 R92 C168 C272
1	74	PALCE22V10H-10PC/5	IC, THINDIP24, PAL, NO POP	LATTICE	PALCE22V10H_10PC5.pdf	U6
1	75	EVQ-PJX04M	SWITCH, SMT, PUSHBUTTON, MOMENTARY	PANASONIC	EVQ-PJX04M.pdf	S1
1	76	PJ-002BH	CONN, TH, DC POWER JACK	CUI	PJ-002BH.pdf	P4
1	77	EXB-28V103JX	RES, NETWORK, SMT, 8 PIN, 4 RES, 10k OHM, 5%, 1/16W	PANASONIC	EXB-28V103JX.pdf	RN1
5	78	EXB-28V330JX	RES, NETWORK, SMT, 8 PIN, 4 RES, 33 OHM, 5%, 1/16W	PANASONIC	EXB-28V330JX.pdf	RN13 RN14 RN25 RN26 RN27
19	79	EXB-2HV330JV	RES, NETWORK, SMT, 16 PIN, 8 RES, 33 OHM, 5%, 1/16W	PANASONIC	EXB-2HV330JV.pdf	RN2 RN3 RN4 RN5 RN6 RN7 RN8 RN9 RN10 RN11 RN12 RN15 RN16 RN17 RN18 RN19 RN20 RN21 RN22
2	80	EXB-2HV390JV	RES, NETWORK, SMT, 16 PIN, 8 RES, 39 OHM, 5%, 1/16W	PANASONIC	EXB-2HV390JV.pdf	RN23 RN24
1	81	TMMS-130-01-F-Q-RA-FS	CONN, TH, 4X30 POS	SAMTEC	TMMS-130-01-F-Q-RA.zip	P5
1	82	221789-1	CONN, TH, SMA, JACK, STRAIGHT, NO POP	AMP	221789-1.pdf	P1
1	83	SN74AHC05DR	IC, SOIC14,	TEXAS INSTRUMENTS	SN74AHC05DR.pdf	U2
2	84	SN74LVC1G32D CKR	IC, SO5,	TEXAS INSTRUMENTS	SN74LVC1G32DCKR.pdf	U9 U10
1	85	SN74LVT16245B DGGR	IC, TSSOP48, 16-BIT TRANSCEIVER, NO POP	TEXAS INSTRUMENTS	SN74LVT16245BDGGR.pdf	U5
1	86	SOLC-115-02-S-Q-A	CONN, SMT, RECEPTACLE, 4X15, NO POP	SAMTEC	SOLC-115-02-S-Q-A.zip	P3
1	87	TLC7733IPWR	IC, SOIC8, RESET	TEXAS INSTRUMENTS	TLC7733IPWR.pdf	U11
1	88	TMS320DM642G NZ720	IC, BGA548, VIDEO DSP	TEXAS INSTRUMENTS	TMS320DM642CGNZ.pdf	U25
40	89	NA	TESTPOINT, SMT, TP, NO POP	60mil, ROUND, PAD,		TP1 TP2 TP3 TP4 TP5 TP6 TP7 TP8 TP9 TP10

				NO POP		TP11 TP12 TP13 TP14 TP15 TP16 TP17 TP18 TP19 TP20 TP21 TP22 TP23 TP24 TP25 TP26 TP27 TP28 TP29 TP30 TP31 TP32 TP33 TP34 TP35 TP36 TP37 TP38 TP39 TP40
2	90	TPS54310PWP	IC, HTSSOP20, 3A BUCK CONVERTER	TEXAS INSTRUMENTS	TPS54310PWP.pdf	U13 U14
1	91	TPS70451PWP	IC, TSSOP24, DUAL LDO	TEXAS INSTRUMENTS	TPS70451PWP.pdf	U12
1	92	TVP5154APNP	IC, HTQFP128, VIDEO DECODER	TEXAS INSTRUMENTS	TVP5154PNP.pdf QFP128OZTEK.zip (socket)	U1
1	93	SS26	DIODE, SMT_1812, RECTIFIER SCHTTKY 2A	GENERAL SEMI		D1
2	94	ERJ-6GEY0R00V	RES, SMT_0805, 0 OHM, 1/8W	PANASONIC		L13 L14
8	95	929647-09-36-1	HEADER, TH, 2X2 PINS, 100mil spacing, 38mil hole, 50mil pad	3M/ESD		JP1 JP2 JP3 JP4 JP5 JP6 JP7 JP8
19	96	382811-6	SHUNT JUMPER	AMP/TYCO		JP1 JP2 JP3 JP4 JP5 JP6 JP7 JP8 JP9 JP10 JP11 - Install as shown below
1	97	AK162-3	DB25 Male/Male parallel port cable	Assmann Elect	Digikey Part # AE1011-ND	-
1	98		Universal 5V, 4A supply	Supplied By TI		-

Notes:

JP1 through JP8 install shunt jumpers

JP9 and JP10 install shunt jumpers

JP11 install shunt jumper

BOM for TVP5158 EVM Version 1.2

Item#	Qty	Reference	Type	Manufacturer P/N	Manuf	P/N	Description	PCB DECAL
1	1	U1	IC	TVP5158PNP	TI	TVP5158PNP	TVP5158 Video Decoder	QFP128
2	1	U2	IC	THS8200PFP	TI	THS8200PFP	THS8200PFP	QFP80
3	1	U3	IC	TLV320DAC32IRHBT	TI	TLV320DAC32IRHBT	TLV320DAC32IRHBT	QFN32
4	1	U4	IC	TUSB3210PM	TI	TUSB3210PM	TUSB3210PM	QFP-64
5	1	U5	IC	TPS71733DCKTG4	TI	TPS71733DCKTG4	TPS71733DCKTG4	SC-70
6	1	U6	IC	TPS79633KTTTG3	TI	TPS79633KTTTG3	TPS79633KTTTG3	TO263
7	1	U7	IC	TPS79618KTTTG3	TI	TPS79618KTTTG3	TPS79618KTTTG3	TO263
8	1	U8	IC	TPS54331D	TI	TPS54331D	TPS54331D	SOIC
9	1	U9	IC	SN74AVC16827DGGR	TI	SN74AVC16827DGGR	SN74AVC16827DGGR	TSOP
10	1	U10	IC	TPS3808G33DBVTG4	TI	TPS3808G33DBVTG4	TPS3808G33DBVTG4	SOT23-6
11	1	U11	IC	24LC64-I/SN	Microchip	24LC64-I/SN	64K I2C™ Serial EEPROM	SOIC
12	1	L2	Inductor	ELL6SH4R7M	Panasonic	ELL6SH4R7M	ELL6 Choke Coils	ELL6SH
13	2	L17 L18	Beads	BLM21PG221SN1D	Murata	BLM21PG221SN1D	220R 0805 ferrite beads	D0805
14	3	L9 L10 L11	Inductor	MLZ1608A2R2MT	TDK	MLZ1608A2R2MT 2.2uH	2.2uH/0603 Inductor	IN0603
15	1	F1	Fuse	TR/3216FF-3A	Cooper Bussmann	TR/3216FF-2A Fuse	TR/3216FF-2A Fuse	L1206
16	10	L3 L4 L5 L6 L7 L8 L13 L14 L15 L16	Beads	BLM18AG601SN1	Murata	BLM39BG601SN1D	600R / 0603 ferrite beads	IN0603
17	2	L1 L12	Beads	BLM41PG750SN1L	Murata	BLM42BG750SN1D	75R / 1206 ferrite beads	IN1206
18	3	D1 D2 D4	Diodes	B340A-FDICT-ND	Diodes, Inc	B340A	Schottky Rectifier	DO-214
19	1	D3	Diodes	RSX501L-20TE25	Rolm	RSX501L-20	Schottky barrier diode	SOD-106
20	1	D7	Diodes	LTST-C150CKT	Lite-on	EC04-1206QRC/F	LED Red	D1206
21	2	D5 D6	Diodes	LTST-C150GKT	Lite-on	EC04-1206GC/F	LED Green	D1206
22	1	Q1	Transistors	MMBT2222A	Fairchild	MMBT5551G1	NPN General Purpose Amplifier	SOT23
23	1	C119	Capacitor	ECJ-1VC1H102J	Panasonic	1nF 0603 50V	MLCC 0603	C0603
24	5	C21 C25 C97 C106 C113	Capacitor	ECJ-1VB1C103K	Panasonic	0.01uF 0603 50V	MLCC 0603	C0603

25	59	C1 C2 C4 C5 C10 C11 C12 C13 C14 C15 C16 C17 C18 C19 C20 C22 C23 C24 C26 C27 C28 C29 C30 C31 C32 C37 C39 C40 C41 C42 C43 C44 C45 C46 C47 C48 C49 C50 C51 C52 C53 C54 C55 C70 C71 C72 C73 C74 C75 C76 C77 C84 C85 C86 C90 C93 C94 C96 C116	Capacitor	ECJ-1VB1C104K	Panasonic	0.1uF 0603 50V	MLCC 0603	C0603
26	2	C34 C35	Capacitor	ECJ-1VB1C474K	Panasonic	0.47uF 0603 10V	MLCC 0603	C0603
27	1	C95	Capacitor	ECJ-1VC1H101J	Panasonic	100pF 0603 50V	MLCC 0603	C0603
28	2	C120 C121	Capacitor	T491C107K010AT	KEMET	100uF/T 6032C 10V	Solid Tantalum 6032	C6032
29	1	C33	Capacitor	ECJ-2FB1A106K	Panasonic	10uF 0805 10V	MLCC 0805	C0805
30	1	C115	Capacitor	ECJ-HVB1C106M	Panasonic	10uF 1206 16V	MLCC 1206	C1206
31	1	C117	Capacitor	ECJ-1VC1H150J	Panasonic	15pF 0603 50V	MLCC 0603	C0603
32	13	C36 C69 C78 C79 C80 C89 C98 C101 C103 C107 C110 C112 C123 C125	Capacitor	ECJ-1VB1C105K	Panasonic	1uF 0603 16V	MLCC 0603	C0603
33	1	C6	Capacitor	ECJ-2FB1A105K	Panasonic	1uF 0805 10V	MLCC 0805	C0805
34	6	C65 C66 C67 C68 C104 C105	Capacitor	GRM188R71A225KE15D	Murata	2.2uF 0603 10V	MLCC 0603	C0603
35	1	C102	Capacitor	T491D227K010AT	KEMET	220uF/T 7343D 10V	Solid Tantalum 7343	C7343
36	2	C87 C88	Capacitor	ECJ-1VC1H220J	Panasonic	22pF 0603 50V	MLCC 0603	C0603

37	2	C126 C127	Capacitor	ECJ-1VC1H270J	Panasonic	27pF 0603 50V		
38	2	C8 C9	Capacitor	C3225X5R1C226M	TDK	22uF 1206 25V	MLCC 1206	C1206
39	6	C57 C58 C60 C61 C63 C64	Capacitor	ECJ-1VC1H331J	Panasonic	330pF 0603 50V	MLCC 0603	CAP0603
40	15	C3 C7 C38 C81 C82 C83 C91 C92 C99 C100 C108 C109 C111 C122 C124	Capacitor	TRJB476K010RNJ	AVX	47uF/T 3528B 10V	Solid Tantalum 3528	C3528
41	1	C118	Capacitor	ECJ-1VC1H560J	Panasonic	56pF 0603 50V	MLCC 0603	CAP0603
42	3	C56 C59 C62	Capacitor	C0603C0G1H8R2C	TDK	8.2pF 0603 50V	MLCC 0603	CAP0603
43	1	[C114(NC)]	Capacitor			open	open	CAP1206
45	22	R2 R19 R30 R33 R42 R43 R44 R45 R46 R48 R49 R59 R68 R69 R96 R97 R98 R99 R104 R105 R106 R107 R95	SMD Resistor	ERJ-3GEY0R00V	Panasonic	0R 0603 ±5%	General purpose 0603	R0603
46	2	R40 R41	SMD Resistor	ERJ-3GEYJ222V	Panasonic	2.2K 0603 50V ±5%	General purpose 0603	R0603
47	1	R75	SMD Resistor	ERJ-3GEYJ152V	Panasonic	1.5K 0603 50V ±5%	General purpose 0603	R0603
48	1	R58	SMD Resistor	ERJ-3GEYJ182V	Panasonic	1.8K 0603 ±5%	General purpose 0603	R0603
49	4	R72 R73 R102 R103	SMD Resistor	ERJ-3GEYJ104V	Panasonic	100K 0603 ±5%	General purpose 0603	R0603
50	14	R20 R21 R22 R23 R26 R34 R35 R36 R37 R38 R39 R84 R85 R91	SMD Resistor	ERJ-3GEYJ103V	Panasonic	10K 0603 ±5%	General purpose 0603	R0603
51	1	R88	SMD Resistor	ERJ-3EKF1153V	Panasonic	115K 0603 ±1%	General purpose 0603	R0603
52	2	R74 R79	SMD Resistor	ERJ-3GEYJ153V	Panasonic	15K 0603 ±5%	General purpose 0603	R0603
53	1	R78	SMD Resistor	ERJ-3GEYJ105V	Panasonic	1M 0603 ±5%	General purpose 0603	R0603
54	8	R7 R11 R12 R16 R18 R47 R81 R82	SMD Resistor	ERJ-3GEYJ222V	Panasonic	2.2K 0603 ±5%	General purpose 0603	R0603

55	2	R5 R6	SMD Resistor	ERJ-3EKF2002V	Panasonic	20K 0603 50V ±5%	General purpose 0603	R0603
56	3	R80 R83 R86	SMD Resistor	ERJ-3GEYJ221V	Panasonic	220R 0603 ±5%	General purpose 0603	R0603
57	2	R90 R92	SMD Resistor	ERJ-3EKF2612V	Panasonic	26.1K 0603 ±1%	General purpose 0603	R0603
58	1	R87	SMD Resistor	ERJ-3EKF3323V	Panasonic	332K 0603 ±1%	General purpose 0603	R0603
59	6	R25 R31 R76 R77 R93 R94	SMD Resistor	ERJ-3GEYJ330V	Panasonic	33R 0603 ±5%	General purpose 0603	R0603
60	4	R54 R55 R56 R57	SMD Resistor	ERJ-3EKF37R4V	Panasonic	37.4R 0603 50V ±1%	High precision-high stability 0603	R0603
61	2	R9 R10	SMD Resistor	ERJ-3GEYJ302V	Panasonic	3K 0603 ±5%	General purpose 0603	R0603
62	2	R24 R28	SMD Resistor	ERJ-3GEYJ472V	Panasonic	4.7K 0603 ±5%	General purpose 0604	R0603
63	8	R60 R61 R62 R63 R64 R65 R66 R67	SMD Resistor	ERJ-3GEYJ562V	Panasonic	5.6K 0603 ±5%	High precision-high stability 0603	R0603
64	7	R13 R14 R15 R50 R51 R52 R53	SMD Resistor	ERJ-3GEYJ750V	Panasonic	75R 0603 ±5%	High precision-high stability 0603	R0603
65	11	[R1 R3 R8 R100 R101 R4 R17 R29 R27 R32 R89 R70 R71 NC]	SMD Resistor			DNP	DNP	R0603
66	4	RP1 RP2 RP3 RP4	SMD Resistor	EXB-2HVR000V	Panasonic	RN0R 0402 ±5%	Arrays Resistor RN8-0402	RN8-0402
67	1	X1	Crystal oscillator	HCM49-27.000MABJ-UT	Citizen	27.000MHz	27.000MHz Type S	XTAL
68	1	X2	Crystal oscillator	ABLS-12.000MHZ-B2-T	Abrakon	12.000MHz	12.000MHz Type S	XTAL
69	1	SW1	BUTTON	PTS645SL50 LFS	C&K	BUTTON 6*6*5	EVQ-PJX04M	BUTTON_T1
70	1	J1	SOCKET	AV-3.2-8WB24	Zhejiang Hongchan g Electronics	AV-3.2-8WB24	RCA_Octal_stack	AV-SOCKET-8
71	1	J4	SOCKET	? Custom		AV3-8.3-11PB	RCA-RGB-CUI	RCA-3-550
72	1	J2	SOCKET	5103310-7	AMP/Tyco	DC3-2*17*2.54	Cascade Output	2X17-100-B-M
73	1	J3	SOCKET	PPTC172LJBN-RC	Sullins	SOCKET 2*17*2.54 90°	Cascade Input	2X17-100-B-F
74	1	J5	SOCKET	STX-3500-4NTR	Kycon	PJ-328-4P	Headphone Out	ST-3500
75	1	J6	SOCKET	PJ-002BH	CUI	POWER JACK 3P	PJ-002BH	POWER-JACK
76	1	J7	SOCKET	AU-Y1007-R	Assman	SOCKET USB Type B9(F)	mini USB connector	USB_PORT1
77	1	J8	SOCKET	2514-6002UB	3M	DC3-2*7*2.54	ARM JTAG HEADER 7X2	2X7-100-B

78	2	J9 J10	SOCKET	QSH-060-01-L-D-A	Samtec	QSH-060-01-L-D-A	0.5mm HI-SPEED SOCKET	QSH-060-01-X-D-A
79	7	W1 W2 W3 W4 W5 W9 W0	SOCKET			Pin 1*3P*2.54mm	1*3P*2.54mm	JP_3
80	3	W6 W7 W8	SOCKET			Pin 1*2P*2.54mm	1*2P*2.54mm	JP_2

BOM for TVP5160 EVM REV 2.0 (included in TVP5160 EVM kit)

Item #	Qty	Part Type	Designator	Footprint	Manu	Manu Part #	Disty	Disty Part #	Comments
1	5	0	R5 R6 R10 R11 R60	SMT_0603					Provided by Assembly House
2	1	0	JP11 - Install center to "0" side JP1-JP6, JP9, JP10 - Install 1-3 & 2-4	SMT_0805					Provided by Assembly House
3	63	0.1uF	C1 C37 C38 C43 C44 C45 C47 C50 C51 C52 C53 C54 C55 C56 C57 C58 C59 C60 C61 C62 C63 C64 C65 C66 C67 C68 C69 C70 C71 C72 C73 C74 C75 C76 C77 C78 C79 C80 C81 C82 C83 C84 C85 C86 C87 C88 C89 C90 C91 C92 C93 C94 C95 C97 C98 C99 C100 C101 C102 C103 C104 C105 C106	SMT_0603					Provided by Assembly House
4	2	100K	R23 R51	SMT_0603					Provided by Assembly House
5	5	10K	R49 R50 R62 R63 R64	SMT_0603					Provided by Assembly House
6	1	12K	R29	SMT_0603					Provided by Assembly House
7	1	14.31818MHz	14.31818MHz	SMT_XTAL	MMD Comp	F20BA1- 14.31818MH z or D20BA1- 14.31818MH z	MMD Comp	F20BA1- 14.31818MHz or D20BA1- 14.31818MHz	Provided by Assembly House
8	1	1K	R28	SMT_0603					Provided by Assembly House
9	1	1uF	C46	SMT_0603					Provided by Assembly House
10	5	1uH/0.8A/<1R	L11 L12 L13 L14 L15	SMT_1210	API Delevan	S1812-102K	Digike y	DN1112CT-ND	Provided by Assembly House
11	7	2.2K	R7 R8 R9 R24 R52 R53 R54	SMT_0603					Provided by Assembly House
12	1	22	R27	SMT_0603					Provided by Assembly House
13	1	22k	R30	SMT_0603					Provided by Assembly House
14	8	22uF	C34 C35 C36 C40 C41 C42 C49 C96	SMT_1206					Provided by Assembly House
15	3	249K	R20 R21 R22	SMT_0603					Provided by Assembly House
16	1	2N2222	Q1	SMT_SOT23_2N2222	Farichild	MMBT2222A	Digike y	MMBT2222AFS CT-ND	Provided by Assembly House
17	5	330	R1 R2 R3 R4 R19	SMT_0603					Provided by Assembly House

18	2	33pF	C107 C108	SMT_0603					Provided by Assembly House
19	3	47uF	C33 C39 C48	SMT_1210					Provided by Assembly House
20	1	74AHC05	U2	SMT_SOIC_D14	TI	SN74AHC05DR	TI	SN74AHC05DR	Provided by Assembly House
21	13	75	R25 R26 R34 R35 R36 R40 R41 R42 R46 R47 R48 R65 R66	SMT_0603					Provided by Assembly House
22	1	DB25	P3	TH_DB25F_RA	Norcomp	182-025-212-531	Digike y	182-25F-ND	Provided by Assembly House
23	1	FUSE	F1	SMT_1206	Cooper Bussmann	TR/3216FF-2A	Digike y	283-2447-1-ND	Provided by Assembly House
24	4	100mil HEADER	H6, I2C ADDR, PWDN, FSS SEL	TH_HEADER20X2					Provided by Assembly House
25	1	GREEN LED	LED1	SMT_1206LED	Lite-On	LTST-C150GKT	Digike y	160-1169-1-ND	Provided by Assembly House
26	3	AMBER LED	HS, VS, AVID	SMT_1206LED	Lite-On	LTST-C150AKT	Digike y	160-1166-1-ND	Provided by Assembly House
27	1	PB SWITCH	RESET	SMT_SWITCH	Panasonic	EVQ-PJX04M	Digike y	P8050SCT-ND	Provided by Assembly House
28	1	PJ-002BH	P1	TH_DC_JACK	CUI	PJ-002BH	Digike y	CP-002BH-ND	Provided by Assembly House
29	2	RCA	ANA_OUT, CVBS	TH_RCA_SINGLE_RA	CUI	RCJ-044	Digike y	CP-1421-ND	Provided by Assembly House
30	1	RCA_RGB	YPBPR	TH_RCA_TRIPLE_RA	CUI	RCJ-32265	Digike y	CP-1446-ND	Provided by Assembly House
31	9	100-OHM R ARRAY	R31 R32 R33 R37 R38 R39 R43 R44 R45	SMT_RESARRAY_ISO_8	Panasonic	EXB-2HV101JV	Digike y	Y1101CT-ND	Provided by Assembly House
32	2	12-PIN FEMALE HEADER	H3 H4	TH_HEADER6X2	Samtec	SSW-106-02-G-D	Samtec	SSW-106-02-G-D	Provided by Assembly House
33	1	40-PIN FEMALE HEADER	TUNER INTERFACE H2	TH_HEADER20X2_TUNER	Samtec	SSW-120-02-G-D	Samtec	SSW-120-02-G-D	Provided by Assembly House
34	1	SAMTEC_TMMS_120PIN_M_RA	P2	TMMS_120PIN_M_RA	Samtec	TMMS-130-01-F-Q-RA	Samtec	TMMS-130-01-F-Q-RA	Provided by Assembly House
35	1	SCART	SCART	TH_SCART_RA	Kycon	K-SCART-022	Resista-Cap	K-SCART-022	Provided by Assembly House; contact Linda Keefauver of Resista-Cap (1800-633-2922) via Kelly Houston at Kycon Sales 408-494-0325
36	1	SDRAM_54TSOPII	U6	SMT_TSOPII_54	Samsung	K4S641632H-TC75000	Arrow	K4S641632H-TC75000	Provided by Assembly House
37	1	SVIDEO	SVIDEO	TH_SVIDEO	AMP	749230-1	Digike y	749230-1-ND	Provided by Assembly House
38	1	TLC7733IPW	U3	SMT_SOIC_PW8	TI	TLC7733IPWR	TI	TLC7733IPWR	Provided by Assembly House
39	8	MA2J11100LCT	D2 D3 D4 D5 D6 D7 D10 D11	SMT_LED_INPUT	Panasonic	MA2J11100L	Digike y	MA2J11100LCT-ND	Provided by Assembly House
40	1	TPS70451	U8	SMT_TSSOP_PWP24	TI	TPS70451PWP	TI	TPS70402PWP	Provided by Assembly House
41	1	TVP5160	U7	SMT_TVP5160	TI	TVP5160	TI	TVP5160	Provided by Assembly House
42	1	SS26	D1	SMT_1812_DIODE	General	SS26	Digike	SS26-ND	Provided by Assembly

					Semi		y		House
43	2	1.8 uH (at least 1-5%)	L1 L3	SMT 0603					Provided by Assembly House
44	6	2.2 uH (at least 1-5%)	L2 L4 L6 L7 L8 L9	SMT 0603					Provided by Assembly House
45	4	220 pF (at least 1-5%)	C7 C9 C12 C14	SMT 0603					Provided by Assembly House
46	2	5.6 pF (at least 1-5%)	C3 C4	SMT 0603					Provided by Assembly House
47	12	330 pF (at least 1-5%)	C8 C10 C13 C15 C18 C20 C22 C23 C25 C26 C29 C31	SMT 0603					Provided by Assembly House
48	6	8.2 pF (at least 1-5%)	C6 C11 C16 C21 C24 C27	SMT 0603					Provided by Assembly House
49	2	JUMPER	I2C_ADDR PWDN	INSTALL 2-3 "0xB8" INSTALL 1-2 "NORM"					Provided by Assembly House
50	1	JUMPER	FSS SEL	INSTALL 2-3 "RGB"					Provided by Assembly House
51	1	DB25 Male/Male parallel port cable	-	-	Assman n Elect	AK162-3	Digike y	AE1011-ND	Provided by Assembly House
52	1	Universal 5V, 3A supply	-	-	Elpac Power Sys	FW1805-760	Digike y	EPS262-ND	Provided by Assembly House
	18	NO POP	R12 R13 R14 R15 R16 R17 R18 R55 R56 R57 R58 R59 R61 U4 U5 H1 H5 C2						

BOM for ADV7311 EVM REV 1.0 (included in TVP5160 EVM kit)

Item #	Qty	Part Type	Designator	Footprint	Manu	Manu Part #	Disty	Disty Part #	Comments
1	9	0	R11 R23 R32 R53 R54 R55 L8 L9 L11	SMT_0603					Provided by Assembly House
2	1	0.01uF	C5	SMT_0603					Provided by Assembly House
3	13	0.1uF	C7 C10 C11 C12 C13 C14 C24 C31 C41 C42 C46 C47 C48	SMT_0603					Provided by Assembly House
4	1	100k	R12	SMT_0603					Provided by Assembly House
5	2	10k	R13 R14	SMT_0603					Provided by Assembly House
6	7	1uF	C4 C9 C23 C30 C49 C50 C51	SMT_0603					Provided by Assembly House
7	2	1uH/0.8A/<1R	L1 L2	SMT_1210	API Delevan	S1812-102K	Digike y	DN1112CT-ND	Provided by Assembly House
8	3	10uH	L3 L4 L5	SMT_1008					Provided by Assembly House
9	3	1.2uH	L6 L7 L10	SMT_0603					Provided by Assembly House
10	3	22pF	C19 C20 C28	SMT_0603					Provided by Assembly House
11	3	270pF	C36 C37 C44	SMT_0603					Provided by Assembly House
12	3	22uF	C3 C6 C8	SMT_1206					Provided by Assembly House
13	1	3.9nF	C40	SMT_0603					Provided by Assembly House
14	3	300	R34 R35 R48	SMT_0603					Provided by Assembly House
15	2	3.01k	R44 R45	SMT_0603					Provided by Assembly House
16	1	330	R10	SMT_0603					Provided by Assembly House
17	1	4.7k	R33	SMT_0603					Provided by Assembly House
18	1	4.7uF	C33	SMT_0603					Provided by Assembly House
19	1	47uF	C2	SMT_1210					Provided by Assembly House
20	12	560	R19 R20 R27 R28 R29 R30 R40 R41 R42 R43 R51 R52	SMT_0603					Provided by Assembly House
21	1	4.99k	R47	SMT_0603					Provided by Assembly House
22	6	604	R15 R16 R17 R18 R25 R26	SMT_0603					Provided by Assembly House
23	1	680	R46	SMT_0603					Provided by Assembly House
24	9	75	R21 R22 R31 R36 R37 R38 R39 R49 R50	SMT_0603					Provided by Assembly House
25	1	820pF	C32	SMT_0603					Provided by Assembly House

26	5	AD8062	U4 U5 U6 U7 U8	SMT_AD8052	Analog Devices	AD8062ARM	Avnet	AD8062ARM	Provided by Assembly House
27	1	ADV7311	U9	SMT_ADV7311	Analog Devices	ADV7311KST	Avnet	ADV7311KST	Provided by Assembly House
28	2	100mil HEADER	H2 H3	TH_HEADER10X2					Provided by Assembly House
29	1	100mil HEADER	H4	TH_HEADER6X2					Provided by Assembly House
30	1	100mil HEADER	I2CADDR	SMT_0805_JMP3_TH					Provided by Assembly House
31	1	GREEN LED	LED1	SMT_1206LED	Lite-On	LTST-C150GKT	Digike y	160-1169-1-ND	Provided by Assembly House
32	1	PB SWITCH	RESET	SMT_SWITCH	Panasonic	EVQ-PJX04M	Digike y	P8050SCT-ND	Provided by Assembly House
33	1	RCA	CVBS - must use Mouser (not CUI), cut off alignment legs	TH_RCA_SINGLE_RA	Mouser	161-0099	Mouser	161-0099	Provided by Assembly House
34	1	RCA_RGB	YPBPR	TH_RCA_TRIPLE_RA	CUI	RCJ-32265	Digike y	CP-1446-ND	Provided by Assembly House
35	1	SAMTEC_TMMS_120PIN_F_RA	P2	TMMS_120PIN_F_RA	Samtec	ASP-103751-01	Samtec	ASP-103751-01	Provided by Assembly House
36	1	SVIDEO	SVIDEO	TH_SVIDEO	AMP	749230-1	Digike y	749230-1-ND	Provided by Assembly House
37	1	TLC7733IPW	U3	SMT_SOIC_PW8	TI	TLC7733IPWR	TI	TLC7733IPWR	Provided by Assembly House
38	1	TPS73233DBV	U1	SMT_SOT23_DBV	TI	TPS73233DBV	TI	TPS73233DBV	Provided by Assembly House
39	1	JUMPER	I2CADDR	INSTALL 2-3 "0x54"					Provided by Assembly House
	36	NO POP	R1 R2 R3 R4 R5 R6 R7 R8 R9 R24 C1 C15 C16 C17 C18 C21 C22 C25 C26 C27 C29 C34 C35 C38 C39 C43 C45 U2 U10 P3 H1 SCL SDA P1 D1 F1						

BOM for the TVP700x EVM REV 1.0 (included in TVP7002 EVM kit)

Item#	Qty	Manf. P/N	Description	Manufacturer	Designator
1	5	ERJ-3GEY0R00V	RES, SMT_0603, 0 OHM, 1/10W	PANASONIC	R2 R5 R6
2	3	ERJ-6GEY0R00V	RES, SMT_0805, 0 OHM, 1/8 W	PANASONIC	FB1 FB2 FB3
3	7	ERJ-6GEY0R00V	RES, SMT_0805, 0 OHM	PANASONIC	JP1 JP2 JP3 (INSTALL RES HORIZONTALLY), J3(OSC 2-3)
4	1	06035C103KAT2A	CAP, SMT_0603, 0.01uF	AVX CORPORATION	C33
5	31	ECJ-1VB1C104K	CAP, SMT_0603, 0.1uF	PANASONIC	C1 C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12 C13 C14 C15 C34 C35 C36 C37 C38 C39 C40 C41 C42 C43 C44 C45 C46 C47 C48 C54 C65 C66 C67
6	1	ERJ-3GEYJ152V	RES, SMT_0603, 1.5k OHM, 1/10W, 5%	PANASONIC	R23
7	3	ECJ-1VB1H102K	CAP, SMT_0603, 1nF,	PANASONIC	C51 C52 C63 C64 C53
8	7	ECJ-1VB0J105K	CAP, SMT_0603, 1uF, 6.3V, +/-10%, X5R	PANASONIC	C19 C20 C21 C22 C23 C24 C25
9	5	S1812-102K	FERRITE BEAD, SMT_1210, 1uH/0.8A/<1R	API DELEVAN	L1 L2 L3 L4 L5
10	7	ERJ-3GEYJ222V	RES, SMT_0603, 2.2k OHM, +/-5%, 1/10W	PANASONIC	R7 R8 R9 R24 R52 R53 R54
11	1	ECJ-1VB1H472K	CAP, SMT_0603, 4.7nF,	PANASONIC	C50
12	1	ERJ-3GEYJ330V	RES, SMT_0603, 33 OHM, +/-5%, 1/10W	PANASONIC	R15
13	4	ERJ-3GEYJ103V	RES, SMT_0603, 10k OHM, 5%, 1/10W	PANASONIC	R14 R26 R27 R39 R40
14	7	ECJ-3YB0J226M	CAP, SMT_1206, 22uF, 20%, 6.3V	PANASONIC	C26 C27 C28 C29 C30 C31 C32
15	2	382811-6	SHUNT JUMPER	AMP/TYCO	I2CADDR, PWDN
16	2	ECJ-4YB0J476M	CAP, SMT_1210, 47uF, 6.3V, +/-20%, XR5	PANASONIC	C17 C18
17	1	ERJ-3EKF49R9V	RES, SMT_0603, 49.9 OHM	PANASONIC	R17 R38
18	7	ERJ-3GEYJ750V	RES, SMT_0603, 75 OHM	PANASONIC	R28 R29 R30 R31 R32 R33
19	1	ERJ-3GEYJ104V	RES, SMT_0603, 100k OHM, 5%, 1/10W	PANASONIC	R19
20	4	ERJ-3GEYJ221V	RES, SMT_0603, 220 OHM	PANASONIC	R4
21	1	ERJ-3EKF2493V	RES, SMT_0603, 249k OHM, 1%, 1/16W	PANASONIC	R20
22	5	ERJ-3GEYJ331V	RES, SMT_0603, 330 OHM, 5%, 1/10W	PANASONIC	R11 R13 R18
23	5	413558-1	CONN, TH, BNC, RIGHT ANGLE	AMP	BLUE GREEN HSYNC RED VSYNC
24	1	1-1470250-3	CONN, TH, DB15, FEMALE, RIGHT ANGLE	TYCO/AMP	DB15
25	1	182-025-212-531	CONN, TH, DB25, FEMALE, RIGHT ANGLE	NORCOMP	P1
26	1	TR/3216FF-2A	FUSE, SMT_1206, 2A	COOPER BUSSMANN	F1
27	2	929647-09-36-I	HEADER, TH, 3 PINS, 100mil spacing, 38mil hole, 50mil pad	3M/ESD	PWDN, I2C_ADDR
28	3	929665-09-36-I	HEADER, TH, 10X2 PINS, 100mil spacing, 38mil hole, 50mil pad	3M/ESD	H2 H3 H4
29	1	LTST-C150GKT	LED, SMT_1206, GREEN	LITE-ON	LED1
30	1	PJ-002BH	CONN, TH, DC POWER JACK	CUI	P2
31	4	EXB-2HV330JV	RES, NETWORK, SMT, 16 PIN, 8 RES, 33 OHM, 5%, 1/16W	PANASONIC	R34 R35 R36 R37
32	1	EVQ-PJX04M	SWITCH, SMT, PUSHBUTTON, MOMENTARY	PANASONIC	RESET
33	1	TMMS-130-01-F-Q-	CONN, TH, 4X30 POS, MALE	SAMTEC	P3

		RA-FS			
34	1	221789-1	CONN, TH, SMA, JACK, STRAIGHT	AMP	EXTCLK
35	1	MIH3100 H -27Mhz	27 MHz Oscillator	MMD	X1
36	2	SN74LVC2G17DBV	IC	TEXAS INSTRUMENTS	U6 U7
37	1	TLC7733IPW	IC, SOIC8, RESET	TEXAS INSTRUMENTS	U4
38	1	TPS70202PWP	IC,	TEXAS INSTRUMENTS	U3
39	1	TPS73118DBV	IC,	TEXAS INSTRUMENTS	U5
40	1	SN74AHC05DR	IC, SOIC14,	TEXAS INSTRUMENTS	U2
41	1	TVP7002	IC	TEXAS INSTRUMENTS	U1
42	1	AK162-3	DB25 Male/Male parallel port cable		
43	1	FW1805-760	Universal 5V, 3A supply		
44	25		NO POP	-	C49 C55 C56 C57 C58 C59 C60 C61 C62 L6 L7 L8 R1 R3 R10 R12 R16 R25 H1 C16 D1 DCLK
45	2	ERJ-3EKF3012V	RES, SMT_0603, 30.1k OHM, 1%, 1/10W	PANASONIC	R41 R42
46	1	ERJ-3EKF1602V	RES, SMT_0603, 16k OHM, 1%, 1/10W	PANASONIC	R22
47	1	ERJ-3GEYJ513V	RES, SMT_0603, 51k OHM, 1%, 1/10W	PANASONIC	R21

Note:

JP1 through JP3 install zero ohm resistors

BOM for THS8200 EVM REV 2.0 (included in TVP7002 EVM kit)

Item#	Qty	Manufacturer P/N	Description	Designator	Footprint	Manufacturer
1	3		100mil HEADER	JP2 JP3 JP4	JMP_FILT_0805_TH	
2	5		0	R6 R7 R8 R15 R22	SMT_0603	
3	16		0.1uF	C1 C2 C3 C4 C5 C6 C7 C8 C9 C10 C12 C16 C17 C18 C19 C24	SMT_0603	
4	2		0.47uF	C20 C21	SMT_0603	
5	2		1.2k	R16 R17	SMT_0603	
6	2		1uF	C23 C25	SMT_0603	
7	3	S1812-102K	1uH/0.8A/<1R	L1 L2 L6	SMT_1210	API Delevan
8	7		2.2k	R1 R2 R3 R4 R5 R13 R14	SMT_0603	
9	2	3224W-1-202E	2k	R11 R12	SMT_POT_3224_BOURNS	Bourns
10	1		10k	R9 R26	SMT_0603	
11	1		10uF	C22	SMT_1206	
12	5	ECJ-3YB0J226M	22uF	C26 C27 C28 C29 C39	SMT_1206	Panasonic
13	1	ECJ-4YB0J476M	47uF	C11	SMT_1210	Panasonic
14	1	SN74AHC05DR	74AHC05	U1	SMT_SOIC_D14	TI
15	3		75	R23 R24 R25	SMT_0603	
16	1		100k	R10	SMT_0603	
17	3		250k	R19 R20 R21	SMT_0603	
18	1		330	R18	SMT_0603	
19	3	413558-1	BNC_RA	B/PB G/Y R/PR	TH_BNC_RA	AMP
20	1	1470250	DB15F	P4	TH_DB15F_RA	AMP
21	1	182-025-212-531	DB25	P3	TH_DB25F_RA	Norcomp
22	1	TR/3216FF-2A	FUSE	F1	SMT_1206	Cooper Bussmann
23	1		HEADER 8X2	H4	TH_HEADER8X2	
24	3	929665-09-36-I	HEADER 10X2	H1 H2 H3	TH_HEADER10X2	3M/ISD
25	1		JMP3	I2C	SMT_0805_JMP3_TH	
26	1	LTST-C150GKT	GREEN LED	5V	SMT_0805_LED	Lite-On Inc
27	1	EVQ-PJX04M	PB	RESET	SMT_SWITCH	Panasonic
28	1	PJ-002BH	PJ-002BH	P1	TH_DC_JACK	CUI
29	1	ASP-103751-01	SAMTEC_TMMS_120PIN_F_RA	P2	TMMS_120PIN_F_RA	Samtec
30	1	THS8200PFP	THS8200	U2	SMT_TQFP80	Texas Instruments
31	1	TPS70251PWP	TPS70251	U4	SMT_TSSOP_PWP20	Texas Instruments
32	1	SS26	ZENER	D1	SMT_1812_DIODE	General Semi
33	7		DO NOT POPULATE	A3.3V D1.8V D3.3V HS	TH_TPS	

				SCL SDA VS		
34	9		DO NOT POPULATE	L3 L4 L5 L7 L8 L9 L10 L11 L12	SMT_0603	
35	1		DO NOT POPULATE	H5	TH_HEADER3	
36	9		DO NOT POPULATE	C30 C31 C32 C33 C34 C35 C36 C37 C38	SMT_0603	

BOM for THS813x EVM REV 1.0

Item#	Qty	Reference	Value	Part #	Manufacturer
1	43	C1,C2,C3,C4,C5,C6,C7,C16,C20,C23,C24,C25,C28,C30,C31,C32,C33,C34,C35,C36,C37,C38,C39,C40,C43,C46,C47,C48,C49,C50,C51,C52,C53,C54,C55,C56,C57,C58,C59,C60,C61,C62,C77	100nF	ECJ-1VB1C104K	Panasonic
2	1	C8	10nF	ECJ-1VB1H103K	Panasonic
3	11	C9,C11,C13,C14,C15,C17,C18,C19,C72,C76	1uf	ECJ1VB1A105M	Panasonic
4	11	C10,C12,C65,C66,C67,C68,C69,C70,C71,C75,C78	22uF	ECJ-4YF1C226Z	Panasonic
5	2	C26,C27	22pF	06031A220GAT2A	AVX
6	1	C41	4.7nF	06031C472JAT2A	AVX
7	1	C42	100nF	0603YC104JAT2A	AVX
8	3	C44,C45,C74	1nF	ECJ-1VB1H102K	Panasonic
9	2	C63,C64	68uF	EEV-FC1C680P	Panasonic
10	1	C73	DNP		
11	2	D1,D2	LTST-C150GKT	LTST-C150GKT	Lite-On
12	1	D3	B340A	B340A-FDICT-ND	Digikey
13	9	FB1,FB2,FB3,FB4,FB5,FB6,R53,R57,R60	0	ERJ-3GEY0R00V	Panasonic
14	1	F1	TR/3216FF-2A	TR/3216FF-2A	Cooper Bussmann
15	2	J1,J6	1-1470250-3	1-1470250-3	TYCO/AMP
16	1	J2	HDR_5X2	Header 5x2	
17	1	J4	HDR2	Header 1x2	
18	1	J8	PJ-002BH	PJ-002BH	CUI
19	1	J9	USB_B	AU-Y1007-R	Assman
20	1	J10	JMP2_on	Header 1x2	
21	4	L1,L2,L5,L9	50@100mHZ	BLM31PG500SN1L	Murata
22	5	L3,L4,L6,L7,L8	600@100MHz	BLM18AG601SN1	Murata
23	1	Q1	MMBT2222A	MMBT2222A	Fairchild
24	4	RP1,RP2,RP3,RP4	33	EXB-2HV330JV	Panasonic
25	8	R1,R2,R3,R12,R13,R43,R44,R45	75	ERJ-3GEYJ750V	Panasonic
26	16	R4,R7,R8,R9,R10,R14,R20,R21,R22,R28,R29,R38,R39,R46,R47,R48	2.2K	ERJ-3GEYJ222V	Panasonic
27	1	R5	2K	ERJ-3GEYJ202V	Panasonic
28	1	R6	DNP	3224W-1-202E	Bourns
29	1	R11	1.8K	ERJ-3GEYJ182V	Panasonic

30	1	R15	51K	ERJ-3GEYJ513V	Panasonic
31	2	R16,R17	30.1K	ERJ-3EKF3012V	Panasonic
32	1	R18	16K	ERJ-3EKF1602V	Panasonic
33	2	R19,R51	330	ERJ-3GEYJ331V	Panasonic
34	3	R23,R54,R58	DNP	ERJ-3GEYJ104V	Panasonic
35	5	R24,R25,R30,R36,R59	100K	ERJ-3GEYJ104V	Panasonic
36	8	R26,R27,R31,R32,R50,R52,R55,R56	33	ERJ-3GEYJ330V	Panasonic
37	2	R33,R37	15K	ERJ-3GEYJ153V	Panasonic
38	2	R34,R49	1.5K	ERJ-3GEYJ152V	Panasonic
39	1	R35	1M	ERJ-3GEYJ105V	Panasonic
40	1	R40	200	ERJ-3GEYJ104V	Panasonic
41	2	R41,R42	1K	ERJ-3GEYJ102V	Panasonic
42	1	R61	DNP	ERJ-3GEY0R00V	Panasonic
43	1	R62	DNP	ERJ-3GEYJ330V	Panasonic
44	1	SW1	EVQ-PJX04M	EVQ-PJX04M	Panasonic
45	12	TP1,TP2,TP3,TP4,TP5,TP6,TP7,TP8, TP12,TP13,TP14,TP15	TP	5005	Keystone
46	3	TP9,TP10,TP11	DNP	DNP	
47	1	U1	THS8135PHP	THS8135PHP	TI
48	1	U2	TPS76333DBV	TPS76333DBV	TI
49	1	U3	TPS73118DBVR	TPS73118DBVR	TI
50	1	U4	TUSB3210PM	TUSB3210PM	TI
51	1	U5	TPS70302PWP	TPS70302PWP	TI
52	1	U6	24LC64	24LC64	MicroChip
53	1	U7	SN74AVC32T245GKE	SN74AVC32T245GKE	TI
54	1	U8	tvp7002_0	TVP7002PZP	TI
55	1	U9	SN74LVC2T45DCUT	SN74LVC2T45DCUT	TI
56	1	U10	SN74LVC2G17DBVT	SN74LVC2G17DBVT	TI
57	1	X1	27MHz	MIH3100H-27MHz	MMD
58	1	Y1	12MHz	ABLS-12.000MHZ-B2-T	ABRACON
59	1	C29	1uF	ECJ1VB1A105M	Panasonic

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