

FILE NAME : TMDS181_DP159_ESD224EVM_BOM.xls
DATE : 03/28/2018

TIDA-05001

ITEM	REFERENCE	DESCRIPTION	VALUE	PCB FOOTPRINT	MANUFACTURER	PART NUMBER	QUANTITY
1	C1,C4,C5,C6,C7,C52	CAP, CER, 1uF, 10V, 10%, X7R, 0603	1 uF	0603	TAIYO YUDEN	LMK107B7105KA-T	6
2	C2,C3,C9,C10,C17,C18,C19,C21,C23,C29,C40,C46,C59	CAP, CER, 0.1uF, 10%, 10V, X5R, 0402	0.1 uF	0402	YAGEO	CC0402KRX5R6B8104	13
3	C8,C20,C31,C35,C36,C57	CAP, CER, 10 uF, 10%, 25V, X5R, 0805	10 uF	0805	TDK	C2012X5R1E106K125A8	6
4	C11,C12,C13,C14,C15,C16,C24,C25	CAP, CER, 0.10 uF, 10%, 25 V, X5R, 0201	0.1 uF	0201	MURATA	GRM033R61E104KE14J	8
5	C22,C37,C41,C42,C47	CAP, CER, 10000 pF, 5%, 50 V, X7R, 0402	0.01uF	0402	MURATA	GRM155R71H103JA88D	5
6	C26	CAP, CER, 0.22 uF, 10%, 10V, X5R, 0402	DNI 200nF	0402	TAIYO YUDEN	LMK105BJ224KV-F	0
7	C27	CAP, CER, 18 pF, 5%, 50V, COG/NPO, 0402	18 pF	0402	AVX CORPORATION	04025A180JAT2A	1
8	C28	CAP, CER, 220 pF, 10%, X7R, 50V, 0402	220 pF	0402	TAIYO YUDEN	UMK105B7221KV-F	1
9	C30	CAP, TANT, 330 uF, 10%, 10V, 7343	330 uF	7343	KEMET	T495X337K010ATE060	1
10	C32	CAP, CER, 22uF, 10%, 6.3V, X5R, 0805	22 uF	0805	KEMET	C0805C226K9PAC7800	1
11	C34	CAP, CER, 3300 pF, 10%, 50V, X7R, 0402	3300 pF	0402	SAMSUNG	CL05B332KB5NNNC	1
12	C38,R87,R92,R93,R113,R114,R120	DNI	DNI	0402			0
13	C39,C58	CAP, CER, 2.2 uF, 10%, X5R, 16V, 0805	2.2 uF	0805	TAIYO YUDEN	EMK212B225KG-T	2
14	C45,C49	CAP, CER, 22 pF, 5%, 50 V, 0402	22 pF	0402	MURATA	GRM1555C1H220JA01D	2
15	C50,C51	CAP, CER, 33 pF, 5%, 50 V, 0402	33 pF	0402	MURATA	GRM1555C1H330JA01D	2
16	D1	DIODE, ZENER, 6V, 350mW, SOT-23	Zener 6V	SOT23_3	DIODES INC.	MMBZ5233B-7-F	1
17	D2	LED, GREEN, WATER CLEAR, 2.1V, 0805	LED Green 0805	0805	LITE ON	LTST-C171GKT	1
18	JP1	CONN, HEADER, STRAIGHT, 2.54MM PITCH, TH-2P	961102-6404-AR	HDR THVT 1x2 100	3M	961102-6404-AR	1
19	J1,J3,J4,J6,J7,J8,J10,J11,J12,J14,J15,J16,J17	CONN, HEADER, STRAIGHT, 2.54 MM PITCH, TH-3P	HDR3X1 M.1	HDR THVT 1x3 100	3M	961103-6404-AR	13
20	J2	CONN, RCPT, STRAIGHT, 20PIN	Display Port Connector Sink 0	con dp SD-47272-001	MOLEX	47272-0001	1
21	J5	CONN, HEADER, STRAIGHT, 10PIN	Header 5x2 0.1" thru-hole	con thvt shrd 2x5 100 m	3M	N2510-6002-RB	1
22	J9	CONN, DC POWER JACK, RIGHT ANGLE, 3PIN	2.1mm x 5.5mm	PJ-202AH	CUI INC	PJ-202AH (PJ-002AH)	1
23	J13	CONN, USB-MICRO AB, RIGHT ANGLE, 5-POS	USB Micro AB	usb micro ab molex	MOLEX	47590-0001	1
24	J18	CONNECTOR, JACK, STRAIGHT, 50 OHM PCB, SMA-5P, TH	5-1814832-1	TE 5-1814832-1	TE CONNECTIVITY	5-1814832-1	1
25	LP1,LP2,LP3,LP4,LP5,LP6,LP7,LP8,LP9	TEST POINT, TH, BLACK	LP	TESTLOOP	KOBI CONN	151-103-RC	9
26	L1	IND, WIRE WOUND, 2.2uH, 20%, 1.2A, 1008	2.2 uH	IND 1008	TDK	VLS252010ET-2R2M	1
27	L2	IND, WIRE WOUND, 1u H, 20%, 1A, 1008	1 uH	IND 1008	TDK	NLCV25T-1R0M-EFR	1
28	P1	CONN, RCPT, RIGHT ANGLE, 19-POS	HDMI IN	con hdmi SD-47151-001	MOLEX	47151-0001	1
29	P2	CONN, RCPT, RIGHT ANGLE, 19-POS	HDMI OUT	con hdmi SD-47151-001	MOLEX	47151-0001	1
30	Q1,Q2	MOSFET, N-CHANNEL, 25V, 220 mA, 350mW, SOT-23	FDV301N	SOT23_3	ON SEMICONDUCTOR	FDV301N	2
31	R5	RES, THICK FILM, 100 OHM, 1%, 0.063W, 0402	100	0402	YAGEO	RC0402FR-07100RL	1
32	R10,R11,R99,R100,R101,R121	RES, THICK FILM, 1 KOHM, 5%, 0.063W, 0402	1K	0402	YAGEO	RC0402JR-071KL	6
33	R12,R27,R81	RES, THICK FILM, 100K OHM, 5%, 0.063 W, 0402	100K	0402	YAGEO	RC0402JR-07100KL	3
34	R13	RES, THICK FILM, 10 OHM, 5%, 0.0625 W, SMT0402	10	0402	YAGEO	RC0402JR-0710RL	1
35	R14,R15,R18,R19,R20,R21,R22,R23,R24,R25,R31,R32,R33,R34,R105,R106,R107,R108,R109,R110,R111,R112,R123,R125,R126,R127,R128,R129,R130	RES, THICK FILM, 0.0 OHM, 0.05 W, JUMPER, 0201, SMD	0	0201	PANASONIC	ERJ-1GN0R00C	29
36	R16,R17,R28,R29,R45,R46,R58,R59	RES, THICK FILM, 2K OHM, 5%, 0.063 W, SMT0402	2K	0402	YAGEO	RC0402JR-072KL	8
37	R30	RES, THICK FILM, 1M OHM, 1%, 0.0625 W, SMT0402	1M	0402	YAGEO	RC0402FR-071ML	1
38	R35	RES, THIN FILM, 54.9 OHM, 0.1%, 1/16W, SMT0402	54.9	0402	PANASONIC	ERA-2AEB54R9X	1
39	R36	RES, THICK FILM, 75 OHM, 5%, 0.0625 W, SMT0402	75	0402	YAGEO	RC0402JR-0775RL	1
40	R56	RES, THIN FILM, 27K OHM, 0.1%, 1/16W, SMT0402	27K	0402	PANASONIC	ERA-2AEB273X	1
41	R57,R60,R61,R62,R63,R64,R65,R66,R67,R68,R69,R70,R71,R72,R73,R74	RES, THICK FILM, 64.9K OHM, 1%, 0.063 W, SMT0402	64.9K	0402	YAGEO	RC0402FR-0764K9L	16
42	R75	RES, THIN FILM, 6.98K OHM, 0.063W, 0.1%, 0402, SMD	6.98K	0402	PANASONIC	ERA-2AEB6981X	1
43	R76	POT, 10K OHM, 20%, 0.05W, TH-3P	PTV09 10K POT	VAR RES THVT_PTV09A-1_123	BOURNS INC	PTV09A-4015F-B103	1
44	R77,R80,R83,R84,R89,R104,R122	RES, THICK FILM, 0 OHM, 0.1W, 0402, SMD	0	0402	PANASONIC	ERJ-2GE0R00X	7
45	R78,R98,R102	RES, THICK FILM, 10K OHM, 5%, 0.063 W, SMT0402	10K	0402	YAGEO	RC0402JR-0710KL	3
46	R79,R88	RES, THICK FILM, 4.7K OHM, 5%, 0.063 W, SMT0402	4.7K OHM	0402	YAGEO	RC0402JR-074K7L	2
47	R82	RES, THICK FILM, 499 OHM, 0.5%, 0.063W, SMT0402	499	0402	VISHAY	CRCW0402499RDHDP	1
48	R85	RES, THICK FILM, 750K OHM, 5%, 0.063 W, SMT0402	750K	0402	VISHAY	CRCW0402750KJNED	1
49	R86	RES, THICK FILM, 240K OHM, 5%, 0.063 W, SMT0402	240K	0402	VISHAY	CRCW0402240KJNED	1
50	R90	RES, THICK FILM, 2.21 KOHM, 0.1%, 0.063W, 0402	2.21K	0402	PANASONIC	ERA-2APB2211X	1
51	R91	RES, THICK FILM, 4.42K OHM, 1%, 0.063W, SMT0402	4.42K OHM	0402	STACKPOLE ELECTRONICS	RMCF0402FT4K42	1
52	R94	RES, THICK FILM, 1.5K OHM, 5%, 0.063 W, SMT0402	1.5K	0402	YAGEO	RC0402JR-071K5L	1
53	R95,R96	RES, THICK FILM, 33 OHM, 5%, 0.05W, SMT0201	33	0201	YAGEO	RC0201JR-0733RL	2
54	R103	RES, THICK FILM, 15K OHM, 5%, 0.063 W, SMT0402	15K	0402	YAGEO	RC0402JR-0715KL	1
55	R115	RES, THICK FILM, 47 KOHM, 0.1%, 0.063W, 0402	47K	0402	PANASONIC	ERA-2APB473X	1
56	R124	RES, THICK FILM, 0.0 OHM, 0.05 W, JUMPER, 0201, SMD	DNI	0201	PANASONIC	ERJ-1GN0R00C	0
57	SW1	SWITCH, TACTILE, SPST-NO, 0.05A, 24V	PB SWITCH	SW MOM 2NO	OMRON	B35N-3012P	1
58	SW2	SWITCH, SLIDE SPDT, 6A, 125V	3POS - SPDT	sw thvt spdt 3 185p	NKK SWITCHES	MS13ANW03	1
59	U1	IC RETIMER DVI HDMI 6GBPS 48VQFN	DP159RGZ	rgz48 grrphys 48qfn07-0p5	TEXAS INSTRUMENTS	TMDS181RGZR	1
60	U2	IC, SING, FET, BUS, SW, SOT23-6	SN74CBT1G125	CK r-pdso-g5	TEXAS INSTRUMENTS	SN74CBT1G125DCKR	1
61	U3	IC, VOLT SUPERVISOR, 3.0V, SOT23-6	TPS3808	DBV R-PDSO-G6	TEXAS INSTRUMENTS	TPS3808G30DBVT	1
62	U4	IC, REGULATOR, BUCK SYNC ADJ, 1A, 1.6VQFN	TPS62150A	RGT QFN-16	TEXAS INSTRUMENTS	TPS62150ARGTT	1
63	U5	IC, REG, LDO ADJ, 1.5A, 20VQFN	TPS74401RGWT	QFN_20_203x203_26	TEXAS INSTRUMENTS	TPS74201RGWT	1

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64	U6	IC, REG, BOOST SYNC, 5V, 0.45A ,6SON	TPS61240	DRV_ 5-PWSON-N6	TEXAS INSTRUMENTS	TPS61240DRVR	1
65	U7	IC CONV SERIAL-TO-USB 32-LQFP	TUSB3410	PQFP_ 32_ 7P2X7P2_ P8MM	TEXAS INSTRUMENTS	TUSB3410VF	1
66	U8	IC, EEPROM, 256KBIT, 400KHZ, 8SOIC	24LC256	soic 8 197x157 50	ONSEMI	CAT24C256WI-GT3	1
67	U9	IC ,SNGL INVERTER,GATE LP, SC70-5	SN74AUP1G04	DK r-pdso-g5	TEXAS INSTRUMENTS	SN74AUP1G04DCKR	1
68	U10,U11	ESD224	DQA	SON50P100X250X55-10	TEXAS INSTRUMENTS	ESD224DQAR	2
69	Y1	CRYSTAL, 12MHZ, 20PF, SMD	12 MHz	XTAL 4 SM 126X98	ECS INC	ECS-120-20-33-TR	1

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