

# Bill of Materials

Project: PMOD TDNext  
 Project Name: PRJ-TD1PMD  
 Revision: 1  
 BOM: 01  
 Variant: 01



Report Date: 8/2/2017 11:17:34 AM

#	Quantity	Designator	Description	Manufacturer 1	Manufacturer Part Number 1	Fitted	Notes
1	11	C1, C5, C9, C11, C15, C17, C19,	CAP CER 10UF 10V 20% X5R 0402	Samsung Electro-Mechanics America, Inc	CL05A106MP5NUNC	Fitted	
2	18	C2, C3, C4, C6, C7, C8, C13,	CAP CER 0.1UF 25V 10% X7R 0402	AVX Corporation	04023C104KAT2A	Fitted	
3	3	C10, C12, C16	CAP CER 1UF 25V 10% X5R 0402	Murata	GRM155R61E105KA12D	Fitted	
4	1	CON1	CONN FFC BOTTOM 24POS 0.50MM R/A	Hirose	FH12-24S-0.5SH(55)	Fitted	
5	1	D1	LED RED CHIP 0603 TOP EMIT	Broadcom Limited	HSMH-C190	Fitted	
6	1	ESD1	ESD Bag	3M	=ESDBagPN	Fitted	-
7	3	FB1, FB2, FB3	FERRITE BEAD 600 OHM 0.3A 0402	Murata	BLM15AG601SN1D	Fitted	
8	2	J1, J2	CONN HDR 12POS .100" DUAL RA	Samtec	TSW-106-08-G-D-RA	Fitted	
9	1	J3	CONN HEADR BRKWAY .100 3POS STR, SINGLE ROW	Amphenol FCI	68001-403HLF	Fitted	
10	1	JP2	CONN HEADR BRKWAY .100 2POS STR, SINGLE ROW	TE CONNECTIVITY / AMP	5-146280-2	Fitted	
11	1	Label1	Label, Product	AES	PBA-TD1PMD-1-01-01	Fitted	-
12	1	Label_ESD1	Label, ESD	AES	TBD	Fitted	-
13	1	PCB1	BARE PCB Part Number	AES	PBA-TD1PMD-1	Fitted	
14	4	R1, R2, R4, R5	RES 1.5K OHM 0402 1% 1/16W	Vishay Dale	CRCW04021K50FKED	Fitted	
15	2	R3, R12	RES 10.0K OHM 0402 1% 1/16W	Vishay Dale	CRCW040210K0FKED	Fitted	
16	1	R6	RES 0.0 OHM JUMP 0402 1/16W	Vishay Dale	CRCW04020000Z0ED	Fitted	
17	1	R7	RES 1.00K OHM 0402 1% 1/16W	Vishay Dale	CRCW04021K00FKED	Fitted	
18	1	R8	RES 100K OHM 0402 1% 1/16W	Vishay Dale	CRCW0402100KFKED	Fitted	
19	2	R9, R11	RES 22.1 OHM 0402 1% 1/16W	Vishay Dale	CRCW040222R1FKED	Fitted	
20	1	R13	RES 2.1K OHM 0402 1% 1/16W	Panasonic Electronic Components	ERJ-2RKF2101X	Fitted	
21	3	R14, R16, R18	RES 4.75K OHM 0402 1% 1/16W	Vishay Dale	CRCW04024K75FKED	Fitted	
22	2	R15, R17	RES 5.9K OHM 0402 1% 1/16W	Panasonic Electronic Components	ERJ-2RKF5901X	Fitted	
23	1	R19	RES 3.24K OHM 0402 1% 1/16W	Vishay Dale	CRCW04023K24FKED	Fitted	
24	1	SH1	SHUNT, ECON, PHBR 15 AU, BLACK	Molex	0015291024	Fitted	(JP2 Default = Shorted)
25	1	SH2	SHUNT, ECON, PHBR 15 AU, BLACK	Molex	0015291024	Fitted	(J3 Pins 1-2)
26	1	U1	IC REDRIVER I2C 1CH 8TSSOP	NXP	PCA9517ADP	Fitted	
27	1	U2	IC I/O EXPANDER I2C 8B 16TSSOP	Texas Instruments	PCA9534PW	Fitted	
28	1	U3	IC BUS TRANSCVR TRI-ST DL 10UQFN	Texas Instruments	SN74AVC2T245RSWR	Fitted	
29	1	U4	IC BUS TRANSCVR 16BIT 48TVSOP	Texas Instruments	SN74AVCH16T245VR	Fitted	
30	3	U5, U6, U7	IC REG LDO ADJ 0.3A 5TSOP	ON Semiconductor	NCP603SNADJT1G	Fitted	
31	1	Y1	OSC MEMS 24.000MHZ CMOS SMD	Abracon LLC	ASFLMPC-24.000MHZ-Z-T	Fitted	
32	0	JP1	CONN HEADR BRKWAY .100 2POS STR, SINGLE ROW	TE CONNECTIVITY / AMP	5-146280-2	Not Fitted	
33	0	R10	RES 10.0K OHM 0402 1% 1/16W	Vishay Dale	CRCW040210K0FKED	Not Fitted	

<b>Approved</b>	<b>Notes</b>