

Bill Of Materials for

Project: PCB4073A / SATEL-VD6283TX
Variant: 00A
Description: Default
Schematic Version: 005



Report Date: 16/12/2020 14:50 14:50

Quantity	ST PN	Designator	Description	Manufacturer	MPN	Vendor	Vendor PN	ECCN	TARIC	Fitted
1	CAP0009-0	C1	CAP, CER, 1nF, 16V, C0G/NP0, 0402	Samsung	CL05C102JO5NNNC	Digikey	1276-1636-1-ND	EAR99	8532240000	Fitted
1	CAP0021-0	C2	CAP, CER, 1uF, 10V, X5R, 0402	Taiyo Yuden	LMK105BJ105KV-F	Digikey	587-1454-1-ND	EAR99	8532240000	Fitted
1	CON0112-0	J1	CONN, HEADER, VERT, 8POS, SINGLE, 2.54mm	3M	961108-6404-AR	Digikey	3M9457-08-ND	EAR99	8536699099	Fitted
1	IMGD0078-0	U1	VD6283 Rainbow2 ALS Module	ST Microelectronics	VD6283	ST Microelectronics	VD6283_Free_Issue			Fitted
1	INT0138-0	U2	IC, VOLT-LVL TRANSL, 4BIT, BI, DSBGA-12	Texas Instruments	TXS0104EYZT	Digikey	296-22001-1-ND			Fitted
1	INT0139-0	U3	IC, VOLT-LVL TRANSL, 2BIT, BI, DSBGA-8	Texas Instruments	TCA9406YZPR	Digikey	296-29698-1-ND			Fitted
1	LDO0075-0	U4	IC, LDO Voltage Regulator, 1A, fix 1V8, DFN6	ST Microelectronics	LD39100PU18RY	Mouser	511-LD39100PU18RY	EAR99	8542399000	Fitted
1	MECH0092-0	MP2	10 * 3.5mm Adhesive label for serialising as per "Labelling and Packaging Specifications.pdf"	N/A	N/A	N/A	N/A			Fitted
1	PCB4073A	A1	Rainbow2 Breakout Board							Fitted
2	CAP0108-0	C8, C9	CAP, CER, 2.2uF, 6.3V, X5R, 0402	Murata	GRM153R60J225ME95D	Mouser	81-GRM153R60J225ME5D	EAR99	8532240000	Fitted
2	RES0002-1	R13, R14	RES, 1k, 1%, 1/16W, 0402	Stackpole Electronics	RMCF0402FT1K00	Digikey	RMCF0402FT1K00CT-ND			Fitted
2	RES0015-2	R10, R17	RES, 0R, Jumper, 1/16W, 0402	Yageo	RC0402JR-070RL	Digikey	311-0.0JRCT-ND	EAR99	8533210000	Fitted
2	RES0114-0	R1, R9	RES, 20k, 1%, 1/16W, 0402	Yageo	RC0402FR-0720KL	Digikey	311-20.0KLRCT-ND	EAR99	8533210000	Fitted
4	RES0020-1	R11, R12, R15, R16	RES, 2.2k, 1%, 1/16W, 0402	Stackpole Electronics	RMCF0402FT2K20	Digikey	RMCF0402FT2K20CT-ND			Fitted
5	CAP0001-2	C3, C4, C5, C6, C7	CAP, CER, 100nF, 16V, X7R, 0402	Samsung	CL05B104KO5NNNC	Digikey	1276-1001-6-ND	EAR99	8532240000	Fitted
6	TPT0009-0	LK1, LK2, LK3, LK4, LK5, LK6	LINK, SOLDER	N/A	N/A	N/A	N/A			Fitted
7	RES0015-0	R2, R3, R4, R5, R6, R7, R8	RES, 0R, JUMPER, 1/16W, 0402	Yageo	RC0402JR-070RL	Digikey	311-0.0JRCT-ND			Fitted