Bill of Materials

TIDM-KNXTHERMOSTAT

Item	Qty	Reference	Value	Part Description	Manufacturer	Manufacturer Part Number	Digikey PN	Notes
1	1	JTAG	N/A	CONN HEADER 14 POS STRGHT GOLD	3M	N2514-6002-RB	MHC14K-ND	
2	4	UP, DOWN, MODE1, MODE2	N/A	SWITCH TACTILE SPST-NO 0.02A 15V	Panasonic	EVQ-21304M	P12216SCT-ND	
3	4	J1, J2, KNX_R, KNX_L	N/A	Conn Socket Strip SKT 10 POS 2.54mm	Samtec	SSQ-110-01-L-S	N/A	
4	2	LCD_R, LCD_L, JP7	N/A	CONN HEADER .100" SNGL STR 10POS	Sullins Connector	PRPC010SAAN-RC	S1011EC-10-ND	
5	1	JP5	N/A	Conn Socket Strip SKT 14 POS 2.54mm	Samtec	SSQ-107-01-F-D	N/A	
6	3	R1, R2, R3	5.1kΩ	RES SMD 5.1K OHM 5% 1/16W 0402	Stackpole Electronics Inc.	RMCF0402JT5K10	RMCF0402JT5K10DKR-ND	
7	1	C1	0.1uF	CAP CER 0.1UF 16V X7R 0402	Yageo	CC0402KRX7R7BB104	311-1338-1-ND	
8	1	J7	N/A	BOARD EVAL FOR HDC1000	Texas Instruments	HDC1000EVM	296-38034-ND	Either HDC1000 or HDC1000EVM required. Not both
9	1	U1	N/A	Low Power, 3% Accuracy Digital Humidity Sensor with Integrated Temperature Sensor	Texas Instruments	HDC1000	N/A	Either HDC1000 or HDC1000EVM required. Not both
10	2	TP+,TP-	N/A	Tubular plug pin for wire 1364 E Ms sn 10x3.5	Vogt AG Verbindungstechnik	1364e.68	N/A	
11	1	N/A	N/A	Connector; for EIB applications	Wago	243-212	N/A	Female connector for twisted pair bus
12	1	KNX PHY	N/A	Siemens TPUART media module	Tapko Technologies	P.114.20.4111	N/A	Only one media module required. Solution supports all
13	1	KNX PHY	N/A	Siemens TPUART2 medial module	Tapko Technologies	P.114.20.4211	N/A	Only one media module required. Solution supports all
14	1	KNX PHY	N/A	On Semi NCN5120 media module	Tapko Technologies	P.114.20.4611	N/A	Only one media module required. Solution supports all
15	1	KNX PHY	N/A	Elmos E981.03 media module	Tapko Technologies	P.114.20.4011	N/A	Only one media module required. Solution supports all
16	1	KNX PHY	N/A	Tapko KAlphys media module	Tapko Technologies	P.114.20.4511	N/A	Only one media module required. Solution supports all
17	1	430BOOST-SHARP96	N/A	SHARP MEMORY LCD BOOSTERPACK	Texas Instruments	430BOOST-SHARP96	296-38353-ND	
18	1	MSP-EXP430FR5969	N/A	MSP430FR5969 LaunchPad Development Kit	Texas Instruments	MSP-EXP430FR5969	N/A	
19	1	Y1	N/A	Crystal 16.0000MHz 30ppm 18pF 40 Ohm	Abracom LLC	ABLS-16.000MHZ-B4-T	535-10226-1-ND	Required in Launchpad for bit-based interface only
20	2	C3, C4	18pF	CAP CER 18PF 50V NP0 0402	Kemet	CBR04C180F5GAC	399-8828-1-ND	Required in Launchpad for bit-based interface only

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