

**Bill of Materials-Hillstar I2C-USB Bridge(Standard Hillstar I2C-USB Bridge)**

Designator	Quantity	Comment	Footprint	Description	Manufacturer Part Number 1	Supplier 1	Supplier Part Number 1
C1, C3, C4	3	CAP CER 1uF 6.3V 10% X5R SMD 0402	CAP_C_0402	Capacitor	GRM155R60J105KE19D	Digi-Key	490-1320-1-ND
C2	1	CAP CER 0.1uF 10V 10% X5R SMD 0402	CAP_C_0402	Capacitor	C0402C104K8PACTU	Digi-Key	399-3027-1-ND
C5	1	CAP CER 10uF 10V 20% X5R SMD 0603	CAP_C_0603	Capacitor	ECJ-1VB1A106M	Digi-Key	PCC2479CT-ND
J4	1	Header 1x6	HDR_F_2_1X6_SMD_RA		BLY 6 SMD 6	Fischer Elektronik	BLY 6 SMD 6
J101	1	micro USB	FCI - 10103593-0001LF		10103593-0001LF	Digi-Key	609-4049-1-ND
LD1, LD2, LD3	3	LTST-C191KGKT	LED_0603_GREEN	LED	LTST-C191KGKT	Digi-Key	160-1446-1-ND
R4	1	RES TKF 0R 1/10W SMD 0603	RES_C_0603	Resistor	NRC06Z0TRF	NIC Components	NRC06Z0TRF
R5, R6, R7	3	RES TKF 1k 5% 1/16W SMD 0402	RES_C_0402	Resistor	ERJ-2GEJ102X	Digi-Key	P1.0KJCT-ND
U1	1	PIC18F14K50T-I/SS	SSOP-20_P0.65	PIC18	PIC18F14K50T-I/SS	Microchip	PIC18F14K50T-I/SS
U2	1	MCP1801 SOT-23-5	SOT-23-5	LDO	MCP1801T-3302I/OT	Microchip	MCP1801T-3302I/OT
X1	1	CSTCE12M0G55Z-R0	RESONATOR_CSTCE-G_L3.2W1.3H0.8	Resonator	CSTCE12M0G55Z-R0	Digi-Key	490-1220-2-ND

Description_	Supplier Unit Price 1
CAP CER 1uF 6.3V 10% X5R SMD 0402	0,14
CAP CER 0.1uF 10V 10% X5R SMD 0402	0,09
CAP CER 10uF 10V 20% X5R SMD 0603	0
CON HDR-2 Female 1x6 Tin SMD R/A	
USB - micro B 2.0 5 Position Board Cutout	0,68
DIO LED GREEN 2V 30mA 35mcd Clear SMD 0603	0,26
RES TKF 0R 1/10W SMD 0603	
RES TKF 1k 5% 1/16W SMD 0402	0,09
MCHP MCU 8-BIT 48MHz 16kB 768B PIC18F14K50T-I/SS SSOP-20	
MCHP ANALOG LDO 3.3V MCP1801T-3302I/OT SOT-23-5	
RESONATOR 12MHz 33pF SMD CSTCE-G	