

Eval Board Name	IST-A0057
Revision	2.3

CreationDate	Proto Rev	Released
3/16/2016	2.00	0

NI	Quantity	Reference	Value	Rating	Voltage	Tolerance	Type	PCB_Footprint	ManufacturerPN	Manufacturer
	1	BH1	20mm COIN				BATTERY HOLDER	BAT_HLDR_2032-3034	3034	Keystone Electronics
	1	BH3	Mylar				BATTERY_ISOLATOR		BI-2032	Memory Protection Devices
	1	BT1	3.0V				BATTERY		CR2032	Panasonic - BSG
	7	C26 C47 C48 C50 C51 C54 C55	0.1uF		10V	±10%	X7R	C0402 C0402L	C0402X7R100-104K	Venkel
	1	C38	100uF		6.3V	±10%	TANT	C3528	TA006TCM107KB	Venkel
	1	C49	0.01uF		25V	±10%	X7R	C0402	C0402X7R250-103K	Venkel
	1	D0	BLUE	30mA				LED-0603	SML-LXFT0603USBC	LUMEX INC
	1	D1	GREEN	25mA				LED-0603	SML-LX0603GW	LUMEX INC
	1	J3	Header 2x5 .05in				Header	CONN2X5-FTS CONN2X5-FTSH-K-SMT	FTSH-105-01-F-DV-K	Samtec
	1	Q3	AO3434A	4A	30V		N-CHNL	SOT23-GSD	AO3434A	Alpha & Omega
	4	R19 R20 R33 R44	4.99K	1/16W		±1%	ThickFilm	R0402	CR0402-16W-4991F	Venkel
	1	R26	287	1/16W		±1%	ThickFilm	R0402	CR0402-16W-2870F	Venkel
	5	R39 R40 R45 R47 R48	10K	1/16W		±5%	ThickFilm	R0402	CR0402-16W-103J	Venkel
	1	R41	120	1/16W		±1%	ThickFilm	R0402	CR0402-16W-1200F	Venkel
	2	S0 S1	SW PUSHBUTTON	50mA	12Vdc		Tactile	SW4N10P4.5	4-1437565-2	Tyco Electronics
	1	SW3	SW_SLIDE_2POS	0.2A @ 12VDC			SLIDE	SW-CL-SB-12A-1X	CL-SB-12A-12	Copal
	1	U1	BGM111A256V1				Module	BGM111	BGM111A256V1	SiLabs
	1	U2	Si7021				Humidity and Temperature	DFN6M3X3P1.0E	Si7021-A-YM1	SiLabs
	1	U3	Si1133-AA00				UV/ALS	QFN10M2X2P0.5	Si1133-AA00-GMR	SiLabs
	1	U4	Hall Effect				Hall Effect	SOT23-123	Si7201-A-03	Silicon Laboratories
	1	U5	MPU-6500				Gyroscope	QFN24N3X3P0.4E1.7X1.54	MPU-6500	InvenSense
	1	U6	8Mb				FLASH	USON8M3.0P0.5E0.3X1.7	MX25R8035FZUILO	Macronix

Not Installed Components

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NI	1	R46	0	1A			ThickFilm	R0402 R0402L	CR0402-16W-000	Venkel