

Eval Board Name	IST-A0075
Revision	2.1

CreationDate	Proto Rev	Released
12/6/2016	4.00	0

NI	Quantity	Reference	Value	Rating	Voltage	Tolerance	Type	PCB_Footprint	ManufacturerPN	Manufacturer
	2	C1 C5	1.0uF		16V	±10%	X5R	C0402	C0402X5R160-105KN	Venkel
	2	C2 C3	0.1uF		16V	±10%	X7R	C0402	C0402X7R160-104K	Venkel
	1	C4	22uF		10V	±20%	TANT	C3216	TAJA226M010RNJ	AVX
	1	C6	1nF		50V	±5%	C0G	C0402	C0402C0G500-102J	Venkel
	1	M1	Ambient Light Sensor				Prox/ALS	DFN10N2.2P1.0-PROX	Si1141-M01-GM	SiLabs
	1	PCB1	IST-A0075 REV 2.0				BARE PCB	N/A	IST-A0075 REV 2.0	SiLabs
	1	R1	4.7K	1/16W		±5%	ThickFilm	R0402 R0402L	CRS0402-16W-472JT	Venkel
	1	R2	30	1/16W		±5%	ThickFilm	R0402	CR0402-16W-300J	Venkel
	1	R3	10K	1/16W		±5%	ThickFilm	R0402	CR0402-16W-103J	Venkel
	1	SW1	SW PUSHBUTTON	50mA	32V		Tactile	SW4N7.62X5.08-PB	KSA0M911LFT	C&K Components
	1	TH2	Crimp Housing Assembly				Crimp Housing		NA	NA
	1	U1	Si7021				Humidity and Temperature	DFN6M3X3P1.0E	SI7021-A20-IM1	SiLabs

Not Installed Components

NI	Quantity	Reference	Value	Rating	Voltage	Tolerance	Type	PCB_Footprint	ManufacturerPN	Manufacturer
NI	6	CT1 CT2 CT3 CT4 CT5 CT6	Crimp				Crimp		SPH-002T-P0.5L	JST
NI	1	J1	2mm-1X6	2A	100V		Socket	CONN-1X6-2MM-JST	B6B-PH-K-S(LF)(SN)	JST
NI	1	TH1	Crimp Housing				Crimp Housing		PHR-6	JST
NI	1	W1	Wire				Wire		General Specification	General Specification
NI	1	W2	Wire				Wire		General Specification	General Specification
NI	4	W3 W4 W5 W6	Wire				Wire		General Specification	General Specification