

Eval Board Name	IST-A21
Revision	3.0

CreationDate	Proto Rev	Released
4/9/2015	3.00	0

NI	Quantity	Reference	Value	Rating	Voltage	Tolerance	Type	PCB_Footprint	ManufacturerPN	Manufacturer
	4	C4 C8 C29 C31	10uF		16V	±20%	TANT	C3216	T491A106M016AT	Kemet
	3	C5 C10 C30	0.1uF		10V	±10%	X7R	C0603	C0603X7R100-104K	Venkel
	1	C9	1uF		10V	±10%	X7R	C0603	C0603X7R100-105K	Venkel
	1	D1	598-8610-307F	20mA				LED3-1210-KKKA	598-8610-307F	Dialight
	1	D2	597-3902-507F	20mA				LED-1208	597-3902-507F	Dialight
	2	D4 D8	RED	30mA				LED-0603	SML-LX0603SIW	LUMEX INC
	1	D7	STPS140Z	1.0A	40V		Schottky	SOD-123	STPS140Z	ST Semiconductor
	1	F2	1.5A	1.5A	63V		Fast Acting	FUSE-466	046601.5NR	Littlefuse
	1	J10	HEADER 1x10				HEADER	CONN1X10-050	TMS-110-02-L-S	Samtec
	1	J3	HEADER 5X2				Header	CONN2X5-FTS	FTS-105-01-F-DV	Samtec
	1	J4	USB-MICRO-B-RA				USB	MICRO-USB-B-RA-SMT	ZX62-B-5P	HIROSE
	1	J9	HEADER 1x12				HEADER	CONN1X12-050	TMS-112-02-L-S	Samtec
	1	JP1	TH HEADER 1x2				Header	CON2P2MM-S2BPHKS	S2B-PH-KS	JST
	1	LB1	OPN-IST-A21 - P/N				POLYIMIDE, WHITE	PTL-14-477	LABEL-IST-A21 P/N	Silabs
	3	M2 M3 M4	FDN5618P	1.25A	60V		P-CHNL	SOT23-GSD	FDN5618P	Fairchild
	5	Q1 Q2 Q3 Q4 Q5	FDV301N	220mA	25V		N-CHNL	SOT23-GSD	FDV301N	Fairchild
	1	R1	0	1A			ThickFilm	R0402 R0402L	CR0402-16W-000	Venkel
	2	R10 R20	4.7K	1/10W		±5%	ThickFilm	R0603	CR0603-10W-472J	Venkel
	5	R12 R14 R15 R16								
		R22	47K	1/16W		±1%	ThickFilm	R0402	CR0402-16W-4702F	Venkel
	1	R21	1K	1/16W		±1%	ThickFilm	R0402	CR0402-16W-1001F	Venkel
	4	R3 R4 R5 R6	120	1/16W		±5%	ThickFilm	R0603	CR0603-16W-121J	Venkel
	1	R9	1.0	1/10W		±1%	ThickFilm	R0603	CR0603-10W-1R00F	Venkel
	1	S1	SW PUSHBUTTON	50mA	12Vdc		Tactile	SW4N10P4.5	2-1437565-8	Tyco Electronics
	1	S2	SW PUSHBUTTON	50mA	12VDC		Tactile	SW-PB-TL3330	TL3330AF260QG	E-SWITCH
	4	SF1 SF2 SF3 SF4	BUMPER					RUBBER_FOOT_SMALL	SJ61A6	3M
	1	U7	MAX604					SO8N6.0P1.27	MAX604ESA	Maxim
	1	U9	MCP73831				Charger	SOT5N2.8P0.95	MCP73831-2ACI/OT	Microchip

Not Installed Components

NI	Quantity	Reference	Value	Rating	Voltage	Tolerance	Type	PCB_Footprint	ManufacturerPN	Manufacturer
NI	2	J6 J8	CONN SOCKET 2x2/SM				Socket	CONN-2X2-SSM	SSM-102-L-DV	Samtec
NI	1	J7	DF13A- 2P-1.25H	0.1A	100V		MINI	CONN1X2-DF13A	DF13A- 2P-1.25H	HIROSE
NI	1	R19	330	1/16W		±1%	ThickFilm	R0603	CR0603-16W-3300F	Venkel
NI	1	R2	0	1A			ThickFilm	R0402 R0402L	CR0402-16W-000	Venkel
NI	14	TP1 TP2 TP3 TP4	WHITE				Loop	TESTPOINT	151-201-RC	Kobiconn
NI	2	TP7 TP8	BLUE				Loop	TESTPOINT	151-205-RC	Kobiconn