

Eval Board Name	SI823HX_NB16_EVB
Revision	1.0

CreationDate	Proto Rev	Released
6/3/2022	1.00	0

End product must be RoHS compliant

NI	Quantity	Reference	Value	Rating	Voltage	Tolerance	Type	PCB_Footprint	ManufacturerPN	Manufacturer
	1	C1	1uF		50V	±10%	X7R	C0805	CL21B105KBFNNNE	Samsung
	2	C2 C7	10uF		50V	±20%	X7R	C1210	C1210X7R500-106M	Venkel
	2	C3 C5	0.1uF		100V	±20%	X7R	C1206	C1206X7R101-104M	Venkel
	1	C4	200pF		50V	±10%	C0G	C0805	C0805C0G500-201K	Venkel
	1	C6	0.1uF		50V	±10%	X7R	C0805	C0805X7R500-104K	Venkel
	3	D1 D2 D6	RED					LED0603-KA	LTST-C190KRKT	LITE-ON TECHNOLOGY CORP
	1	D3	US1K	1.0A	800V		Switch, Ultra Fast	DO-214AC	US1K-13-F	Diodes Inc.
	3	J1 J2 J6	RED	15A			BANANA	BINDING-POST	111-0702-001	Johnson/Emerson
	3	J3 J4 J7	BLACK	15A			BANANA	BINDING-POST	111-0703-001	Johnson/Emerson
	1	J5	Analog Header				TERM HDR	CON1X4-1757268	1757268	PHOENIX CONTACT
	4	JP1 JP2 JP3 JP4	HEADER 1x3				Header	CONN-1X3	TSW-103-07-T-S	Samtec
	1	JP5	PLUG				TERM BLK		1757035	Phoenix Contact
	4	JS1 JS2 JS3 JS4	Jumper Shunt				Shunt	SHUNT	SNT-100-BK-T	Samtec
	1	PCB1	Si823Hx_NB16_EVB REV 1.0				BARE PCB	N/A	Si823Hx_NB16_EVB REV 1.0	Skyworks
	1	R1	820	1/16W		±1%	ThickFilm	R0402	CR0402-16W-8200FT	Venkel
	1	R12	6.04K	1/10W		±1%	ThickFilm	R0805	CR0805-10W-6041F	Venkel
	2	R2 R14	22.6k	1/16W		±1%	ThickFilm	R0402	CR0402-16W-2262F	Venkel
	3	R3 R9 R11	0	2A			ThickFilm	R0805	CR0805-10W-000	Venkel
	2	R5 R10	4.7	1/10W		±5%	ThickFilm	R0805	CR0805-10W-4R7J	Venkel
	21	TP1 TP2 TP3 TP4 TP5 TP6 TP7 TP8 TP9 TP10 TP11 TP12 TP13 TP14 TP15 TP16 TP17 TP18 TP19 TP20 TP21	WHITE				Loop	TESTPOINT	151-201-RC	Kobiconn
	1	U1	Si823H2	2500 VRMS	30V		ISODriver	SO16N6.0P1.27	Si823H2AB-IS1	Skyworks

Not Installed Components

NI	Quantity	Reference	Value	Rating	Voltage	Tolerance	Type	PCB_Footprint	ManufacturerPN	Manufacturer
NI	2	D4 D5	DB2440100L	1.0A	40V		FAST	SOD-128	DB2440100L	Panasonic
NI	2	R4 R8	4.7	1/10W		±5%	ThickFilm	R0805	CR0805-10W-4R7J	Venkel
NI	2	R6 R13	10K	1/8W		±1%	ThickFilm	R0805	CR0805-8W-1002F	Venkel
NI	1	R7	0	2A			ThickFilm	R0805	CR0805-10W-000	Venkel
NI	2	U3 U5	SPD01N60C3	800mA	650V		N-CHNL	DPAK-G2SD	SPD01N60C3	Infineon Technologies
NI	2	U4 U6	IRF520	9.2A	100V		N-CHNL	TO-220 TO-220_ALT	IRF520PbF	Vishay