

Bill of Materials

TI DESIGNS

Board:

TIDM-NFC-P2P
 TRF7970A BOM

Item	QTY	Ref Des	Value	Part Description	Manufacturer	Manufacturer Part Number
1	0	ANT1	0.950uH			
2	5	C1 C3 C5 C7 C9	2.2uF		Kemet	C0603C225K8PACTU
3	5	C2 C4 C6 C8 C10	0.01uF		Panasonic - ECG	ECJ-1VB1E103K
4	3	C11 C12 C22	27pF		Panasonic - ECG	ECJ-1VC1H270J
5	2	C13 C14	1500pF		Panasonic - ECG	ECJ-1VB1H152K
6	2	C15 C16	1200pF		Panasonic - ECG	ECJ-1VB1H122K
7	2	C17 C20	680pF		Panasonic - ECG	ECJ-1VC1H681J
8	1	C18	10pF		Panasonic - ECG	ECJ-1VC1H100D
9	1	C19	220pF		Panasonic - ECG	ECJ-1VC1H221J
10	1	C21	100pF		Panasonic - ECG	ECJ-1VC1H101J
11	1	C23	68pF		Panasonic - ECG	GRM1885C2A680JA01D
12	1	C24	82pF	CAP CER 82PF 100V 5% COG 0603	Panasonic - ECG	GRM1885C2A820JA01D
13	2	C25 C26	10uF	CAP CER 10UF 6.3V X5R 0603	Taiyo Yuden	JMK107BJ106MA-T
16	1	J1	COAXIAL	RECEPTACLE_CON_COAXIAL_UFL-R-SMT	Hirose	U.FL-R-SMT-1
17	1	L1	150nH		Coilcraft	1008CS-151XJLB
18	1	L2	330nH		Coilcraft	1008CS-331XJLB
19	1	L4	4.7uH	Passive_4.7uH_IND_SM_EPL3015	Coilcraft, Inc.	EPL3015-472MLB
21	1	OSC1	13.560MHz	SMD XTAL 13.560MHz I30 series	ITTI Company	1300225-13.560MHz
22	2	P1 P2	SFM-110-02-L-D-A	SMT-20pin-30Au 50ni-Double Row-Alignment pin	SAMTEC	SFM-110-02-L-D-A
23	4	R1 R2 R3 R4	10k		Panasonic - ERJ	ERJ-3GEYJ103V
24	1	R5	0		Panasonic - ERJ	ERJ-3GEYJ0R00V
25	1	R6	680		Rohm	ESR03EZPJ681
26	0	TP1 TP2 TP3 TP4 TP9 TP11	TESTVIA_018			
27	2	TP5 TP12	Black	TEST POINT .025" SQR POST HDR BLACK	Components Corporation	TP-105-01-00
28	0	TP6 TP7 TP8	TESTPAD_018			
29	1	TP10	Gray	TEST POINT .025" SQR POST HDR GRAY	Components Corporation	TP-105-01-08
30	1	TP13	Blue	TEST POINT .025" SQR POST HDR BLUE	Components Corporation	TP-105-01-06
31	1	TP14	Green	TEST POINT .025" SQR POST HDR GREEN	Components Corporation	TP-105-01-05
32	1	TP15	Brown	TEST POINT .025" SQR POST HDR BROWN	Components Corporation	TP-105-01-01
33	1	U1	TRF7970ARHB	IC RFID/NFC AFE 13.56MHZ 32QFN	Texas Instruments	TRF7970ARHB
34	1	U2	TPS61222DCKT	+3VDC to +5VDC boost converter	Texas Instruments	TPS61222DCKT

Bill of Materials

T1 DESIGNS

Board: **TIDM-NFC-P2P**
MSP-
EXP430F5529LP
BOM

ezFET or EXP?	Qty	Reference	Manufacturer	Description	Part Number	PCB DECAL/Package	Value	Supplier1	Digikey Number	Rev1.4 to Rev 1.5 Change
ezFET	1	C102	Standard	CAP CER 0.22UF 16V 10% X5R 0402,Digikey 445-4972-1-ND		C0402	220n	Digikey	445-4972-1-ND	
ezFET	1	C103	Standard	CAP CER 0.1UF 10V 20% X5R 0402,Digikey 445-4984-1-ND		C0402	100n	Digikey	445-4984-1-ND	
ezFET	1	C104	Standard	CAP TANT 10UF 10V 20% 1206,Digikey 493-2351-1-ND		TANT 3216	10u	Digikey	493-2351-1-ND	
ezFET	1	C107	Standard	CAP CER 0.22UF 16V 10% X5R 0402,Digikey 445-4972-1-ND		C0402	220n	Digikey	445-4972-1-ND	
ezFET	1	C110	Standard	CAP CER 10PF 50V NP0 0402,Digikey 445-1235-1-ND		C0402	10p	Digikey	445-1235-1-ND	
ezFET	1	C111	Standard	CAP CER 10PF 50V NP0 0402,Digikey 445-1235-1-ND		C0402	10p	Digikey	445-1235-1-ND	
ezFET	1	C112	Standard	CAP CER 1000PF 50V 10% X7R 0402,Digikey 445-1256-1-ND		C0402	1n	Digikey	445-1256-1-ND	
ezFET	1	C113	Standard	CAP CER 0.1UF 10V 20% X5R 0402,Digikey 445-4984-1-ND		C0402	100n	Digikey	445-4984-1-ND	
ezFET	1	C121	Standard	CAP CER 0.1UF 10V 20% X5R 0402,Digikey 445-4984-1-ND		C0402	100n	Digikey	445-4984-1-ND	
ezFET	1	C122	Standard	CAP CER 33PF 50V 5% NP0 0402,Digikey 445-1241-1-ND		C0402	33p	Digikey	445-1241-1-ND	
ezFET	1	C123	Standard	CAP CER 33PF 50V 5% NP0 0402,Digikey 445-1241-1-ND		C0402	33p	Digikey	445-1241-1-ND	
LP	1	C14	Standard	CAP CER 0.1UF 10V 20% X5R 0402,Digikey 445-4984-1-ND		C0402	100n	Digikey	445-4984-1-ND	
LP	1	C15	Standard	CAP CER 0.22UF 16V 10% X5R 0402,Digikey 445-4972-1-ND		C0402	220n	Digikey	445-4972-1-ND	
LP	1	C16	Standard	CAP CER 0.22UF 16V 10% X5R 0402,Digikey 445-4972-1-ND		C0402	220n	Digikey	445-4972-1-ND	
LP	1	C17	Standard	CAP CER 1000PF 50V 10% X7R 0402,Digikey 445-1256-1-ND		C0402	1n	Digikey	445-1256-1-ND	
LP	1	C18	Standard	CAP CER 0.47UF 16V 10% X5R 0402,Digikey 445-4976-1-ND		C0402	470n	Digikey	445-4976-1-ND	
LP	1	C19	Standard	CAP CER 0.1UF 10V 20% X5R 0402,Digikey 445-4984-1-ND		C0402	100n	Digikey	445-4984-1-ND	
LP	1	C20	Standard	CAP CER 0.1UF 10V 20% X5R 0402,Digikey 445-4984-1-ND		C0402	100n	Digikey	445-4984-1-ND	
LP	1	C21	Standard	CAP CER 0.1UF 10V 20% X5R 0402,Digikey 445-4984-1-ND		C0402	100n	Digikey	445-4984-1-ND	
LP	1	C23	Standard	CAP CER 10PF 50V NP0 0402,Digikey 445-1235-1-ND		C0402	10p	Digikey	445-1235-1-ND	
LP	1	C24	Standard	CAP CER 10PF 50V 5% NP0 0402,Digikey 445-1235-1-ND		C0402	10p	Digikey	445-1235-1-ND	
LP	1	C25	Standard	CAP CER 12PF 50V 5% NP0 0402,Digikey 445-1236-1-ND		C0402	12p	Digikey	445-1236-1-ND	
LP	1	C26	Standard	CAP CER 12PF 50V 5% NP0 0402,Digikey 445-1236-1-ND		C0402	12p	Digikey	445-1236-1-ND	
LP	1	C27	Standard	CAP TANT 4.7UF 10V 10% 1206,Digikey 493-4142-1-ND		A/3216-18R	4u7	Digikey	493-4142-1-ND	
LP	1	C28	Standard	CAP CER 0.1UF 10V 20% X5R 0402,Digikey 445-4984-1-ND		C0402	100n	Digikey	445-4984-1-ND	
LP	1	C29	Standard	CAP CER 0.1UF 10V 20% X5R 0402,Digikey 445-4984-1-ND		C0402	100n	Digikey	445-4984-1-ND	
LP	1	C30	Standard	CAP TANT 10UF 10V 20% 1206,Digikey 493-2351-1-ND		TANT 3216	10u	Digikey	493-2351-1-ND	
LP	1	C31	Standard	CAP CER 0.1UF 10V 20% X5R 0402,Digikey 445-4984-1-ND		C0402	100n	Digikey	445-4984-1-ND	
Hub	1	C401	Standard	CAP CER 1UF 10V 10% X7R 0805,Digikey 587-1284-2-ND		CSMD0805	1u	Digikey	587-1284-2-ND	
Hub	1	C402	Standard	CAP CER 0.1UF 10V 20% X5R 0402,Digikey 445-4984-1-ND		C0402	100n	Digikey	445-4984-1-ND	
Hub	1	C403	Standard	CAP TANT 4.7UF 10V 10% 1206,Digikey 493-4142-1-ND		A/3216-18R	4u7	Digikey	493-4142-1-ND	
Hub	1	C404	Standard	CAP CER 1UF 10V 10% X7R 0805,Digikey 587-1284-2-ND		CSMD0805	1u	Digikey	587-1284-2-ND	
Hub	1	C405	Standard	CAP CER 22PF 50V 5% NP0 0402,Digikey 445-1239-1-ND		C0402	22p	Digikey	445-1239-1-ND	
Hub	1	C406	Standard	CAP CER 22PF 50V 5% NP0 0402,Digikey 445-1239-1-ND		C0402	22p	Digikey	445-1239-1-ND	
Hub	1	C407	Standard	CAP CER 0.1UF 10V 20% X5R 0402,Digikey 445-4984-1-ND		C0402	100n	Digikey	445-4984-1-ND	
Hub	1	C408	Standard	CAP CER 0.1UF 10V 20% X5R 0402,Digikey 445-4984-1-ND		C0402	100n	Digikey	445-4984-1-ND	
Hub	1	C409	Standard	CAP CER 22PF 50V 5% NP0 0402,Digikey 445-1239-1-ND		C0402	22p	Digikey	445-1239-1-ND	
Hub	1	C410	Standard	CAP CER 22PF 50V 5% NP0 0402,Digikey 445-1239-1-ND		C0402	22p	Digikey	445-1239-1-ND	
Hub	1	C411	Standard	CAP CER 22PF 50V 5% NP0 0402,Digikey 445-1239-1-ND		C0402	22p	Digikey	445-1239-1-ND	
Hub	1	C412	Standard	CAP CER 22PF 50V 5% NP0 0402,Digikey 445-1239-1-ND		C0402	22p	Digikey	445-1239-1-ND	
Hub	1	IC401	TI	IC 4-PORT HUB FOR USB 32-QFN,Digikey 296-21926-1-ND	TUSB2046BIRHBR	RHB S-PQFP-N32	TUSB2046BIRHBRHB	Digikey	296-21926-1-ND	
LP	1	J1	CM	CONN HEADER 20POS .100" DUAL FEMALE with long male leads	CNT-F254-2*10-GS-850-9	2X10		CM	to be provided by CM	Updated part # for stronger male leads
LP	1	J10	Standard	CONN HEADER 3POS .100" SINGL TIN,Digikey SAM1075-03-ND		1X03	PWR	Digikey	SAM1075-03-ND	
LP	1	J3	Standard	CONN HEADER 3POS .100" SINGL TIN,Digikey SAM1075-03-ND		1X03	PWR	Digikey	SAM1075-03-ND	
Hub	1	J401	Standard	CONN RCPT MICRO USB B SMD R/A, Digikey H11574CT-ND		CONN_USB-MICRO-B-SMT_R	ZX62R-B-5P	Digikey	H11574CT-ND	
LP	1	J5	CM	CONN HEADER 20POS .100" DUAL FEMALE with long male leads	CNT-F254-2*10-GS-850-9	2X10		CM	to be provided by CM	Updated part # for stronger male leads
LP	1	JP1	Standard	CONN HEADER 2POS .100" SINGL TIN,Digikey SAM1075-02-ND		JP1M	+5V	Digikey	SAM1075-02-ND	
LP	1	JP2	Standard	CONN HEADER 2POS .100" SINGL TIN,Digikey SAM1075-02-ND		JP1M	+3V3	Digikey	SAM1075-02-ND	
LP	1	JP3	Standard	CONN HEADER 2POS .100" SINGL TIN,Digikey SAM1075-02-ND		JP1M	GND	Digikey	SAM1075-02-ND	
LP	1	JP4.1	Standard	CONN HEADER 2POS .100" SINGL TIN,Digikey SAM1075-02-ND		JP1M	SBWTCK	Digikey	SAM1075-02-ND	
LP	1	JP4.2	Standard	CONN HEADER 2POS .100" SINGL TIN,Digikey SAM1075-02-ND		JP1M	SBWTDIO	Digikey	SAM1075-02-ND	
LP	0	JP4.3	Standard	CONN HEADER 2POS .100" SINGL TIN,Digikey SAM1075-02-ND		JP1M	SBWDAT (dnp)	Digikey	SAM1075-02-ND	
LP	1	JP6.1	Standard	CONN HEADER 2POS .100" SINGL TIN,Digikey SAM1075-02-ND		JP1M	TXD	Digikey	SAM1075-02-ND	
LP	1	JP6.2	Standard	CONN HEADER 2POS .100" SINGL TIN,Digikey SAM1075-02-ND		JP1M	RXD	Digikey	SAM1075-02-ND	
LP	1	JP6.3	Standard	CONN HEADER 2POS .100" SINGL TIN,Digikey SAM1075-02-ND		JP1M	CTS	Digikey	SAM1075-02-ND	
LP	1	JP6.4	Standard	CONN HEADER 2POS .100" SINGL TIN,Digikey SAM1075-02-ND		JP1M	RTS	Digikey	SAM1075-02-ND	
LP	1	JP8	Standard	CONN HEADER 2POS .100" SINGL TIN,Digikey SAM1075-02-ND		JP1	LED1 PWR	Digikey	SAM1075-02-ND	
Hub	1	L401	Taiyo Yuden	INDUCTOR 2.2uH 20% SMD,Digikey 587-1638-1-ND	NR3010T2R2M	L-NR3010	2.2uH (NR3010T2R2M)	Digikey	587-1638-1-ND	
LP	1	LED1	Standard	LED RED CLEAR 0603 SMD,Digikey 160-1181-1-ND		CHIPLED_0603		Digikey	160-1181-1-ND	
ezFET	1	LED101	Standard	LED RED CLEAR 0603 SMD,Digikey 160-1181-1-ND		LED603	Red	Digikey	160-1181-1-ND	
ezFET	1	LED102	Standard	LED GREEN CLEAR 0603 SMD,Digikey 160-1183-1-ND		LED603	Green	Digikey	160-1183-1-ND	
LP	1	LED2	Standard	LED GREEN CLEAR 0603 SMD,Digikey 160-1183-1-ND		CHIPLED_0603		Digikey	160-1183-1-ND	
ezFET	1	MSP101	TI	IC MCU 16BIT 128KB FLASH 64VQFN,Digikey 296-27400-1-ND	MSP430F5528IRGC	RGC-64	MSP430F5528IRGC	Digikey	296-27400-1-ND	
ezFET	1	Q1	Murata	CER RESONATOR 4.00MHZ SMD	CSTCR4M00G15L99	PIEZO-2X4.5MM	PIEZO CSTCR4M00G15L99	Murata	#VALUE!	
LP	1	Q2	Microcrystal	MS3V-T1R 32.768kHz CL 12pF +/-20ppm, Microcrystal	MS3V-T1R	MS3V-T1R	32.768kHz Microcrystal	Microcrystal	#VALUE!	
LP	1	Q4	Murata	CER RESONATOR 4.00MHZ SMD	CSTCR4M00G15L99	PIEZO-2X4.5MM	PIEZO CSTCR4M00G15L99	Murata	#VALUE!	
Hub	1	Q401	Murata	CER RESONATOR 6.00MHZ SMD	CSTCR6M00G15L99	PIEZO-2X4.5MM	PIEZO CSTCR6M00G15L99	Murata	#VALUE!	
ezFET	1	R101	Standard	RES 470 OHM 1/16W 1% 0402 SMD,Digikey 311-470LRCT-ND		R0402	470	Digikey	311-470LRCT-ND	
ezFET	1	R102	Standard	RES 390 OHM 1/16W 1% 0402 SMD,Digikey 311-390LRCT-ND		R0402	390	Digikey	311-390LRCT-ND	

ezFET	1	R103	Standard	RES 27 OHM 1/16W 5% 0402 SMD,Digikey 311-27JRCT-ND		R0402	27	Digikey	311-27JRCT-ND	
ezFET	1	R104	Standard	RES 27 OHM 1/16W 5% 0402 SMD,Digikey 311-27JRCT-ND		R0402	27	Digikey	311-27JRCT-ND	
ezFET	1	R105	Standard	RES 1.33K OHM 1/16W 1% 0402 SMD,Digikey 311-1.33KLRCT-ND		R0402	1k4	Digikey	311-1.33KLRCT-ND	
ezFET	1	R106	Standard	RES 1.00M OHM 1/16W 1% 0402 SMD,Digikey 311-1.00MLRCT-ND		R0402	1M	Digikey	311-1.00MLRCT-ND	
ezFET	1	R109	Standard	RES 47.0K OHM 1/16W 1% 0402 SMD,Digikey 311-47.0KLRCT-ND		R0402	47k	Digikey	311-47.0KLRCT-ND	
ezFET	1	R121	Standard	RES 220K OHM 1/16W 1% 0402 SMD,Digikey 311-220KLRCT-ND		R0402	220k	Digikey	311-220KLRCT-ND	
ezFET	1	R122	Standard	RES 220K OHM 1/16W 1% 0402 SMD,Digikey 311-220KLRCT-ND		R0402	220k	Digikey	311-220KLRCT-ND	
ezFET	1	R124	Standard	RES 240K OHM 1/16W 1% 0402 SMD,Digikey 311-240KLRCT-ND		R0402	240k	Digikey	311-240KLRCT-ND	
ezFET	1	R125	Standard	RES 150K OHM 1/16W 1% 0402 SMD,Digikey 311-150KLRCT-ND		R0402	150k	Digikey	311-150KLRCT-ND	
LP	1	R14	Standard	RES 100 OHM 1/16W 1% 0402 SMD,Digikey 311-100LRCT-ND		R0402	100R	Digikey	311-100LRCT-ND	
LP	1	R15	Standard	RES 1.33K OHM 1/16W 1% 0402 SMD,Digikey 311-1.33KLRCT-ND		R0402	1k4	Digikey	311-1.33KLRCT-ND	
LP	1	R16	Standard	RES 1.00M OHM 1/16W 1% 0402 SMD,Digikey 311-1.00MLRCT-ND		R0402	1M	Digikey	311-1.00MLRCT-ND	
LP	1	R27	Standard	RES 47.0K OHM 1/16W 1% 0402 SMD,Digikey 311-47.0KLRCT-ND		R0402	47k	Digikey	311-47.0KLRCT-ND	
LP	1	R28	Standard	RES 0.0 OHM 1/16W 0402 SMD,Digikey 311-0.0JRTR-ND		R0402	0R	Digikey	311-0.0JRTR-ND	
LP	1	R29	Standard	RES 470 OHM 1/16W 1% 0402 SMD,Digikey 311-470LRCT-ND		R0402	470R	Digikey	311-470LRCT-ND	
LP	1	R30	Standard	RES 470 OHM 1/16W 1% 0402 SMD,Digikey 311-470LRCT-ND		R0402	470R	Digikey	311-470LRCT-ND	
LP	1	R31	Standard	RES 27 OHM 1/16W 5% 0402 SMD,Digikey 311-27JRCT-ND		R0402	27R	Digikey	311-27JRCT-ND	
LP	1	R32	Standard	RES 27 OHM 1/16W 5% 0402 SMD,Digikey 311-27JRCT-ND		R0402	27R	Digikey	311-27JRCT-ND	
Hub	1	R401	Standard	RES 33 OHM 1/16W 5% 0402 SMD,Digikey 311-33JRCT-ND		R0402	33R	Digikey	311-33JRCT-ND	
Hub	1	R402	Standard	RES 10.0K OHM 1/16W 1% 0402 SMD,Digikey 311-10.0KLRCT-ND		R0402	10k	Digikey	311-10.0KLRCT-ND	
Hub	1	R403	Standard	RES 1.50K OHM 1/16W 1% 0402 SMD,Digikey 311-1.50KLRCT-ND		R0402	1k5	Digikey	311-1.50KLRCT-ND	
Hub	1	R404	Standard	RES 47.0K OHM 1/16W 1% 0402 SMD,Digikey 311-47.0KLRCT-ND		R0402	47k	Digikey	311-47.0KLRCT-ND	
Hub	1	R405	Standard	RES 22 OHM 1/16W 5% 0402 SMD,Digikey 311-22JRCT-ND		R0402	22R	Digikey	311-22JRCT-ND	
Hub	1	R406	Standard	RES 22 OHM 1/16W 5% 0402 SMD,Digikey 311-22JRCT-ND		R0402	22R	Digikey	311-22JRCT-ND	
Hub	1	R407	Standard	RES 1.50K OHM 1/16W 1% 0402 SMD,Digikey 311-1.50KLRCT-ND		R0402	1k5	Digikey	311-1.50KLRCT-ND	
Hub	1	R408	Standard	RES 15.0K OHM 1/16W 1% 0402 SMD,Digikey 311-15.0KLRCT-ND		R0402	15k	Digikey	311-15.0KLRCT-ND	
Hub	1	R409	Standard	RES 15.0K OHM 1/16W 1% 0402 SMD,Digikey 311-15.0KLRCT-ND		R0402	15k	Digikey	311-15.0KLRCT-ND	
Hub	1	R410	Standard	RES 22 OHM 1/16W 5% 0402 SMD,Digikey 311-22JRCT-ND		R0402	22R	Digikey	311-22JRCT-ND	
Hub	1	R411	Standard	RES 22 OHM 1/16W 5% 0402 SMD,Digikey 311-22JRCT-ND		R0402	22R	Digikey	311-22JRCT-ND	
Hub	1	R412	Standard	RES 15.0K OHM 1/16W 1% 0402 SMD,Digikey 311-15.0KLRCT-ND		R0402	15k	Digikey	311-15.0KLRCT-ND	
Hub	1	R413	Standard	RES 15.0K OHM 1/16W 1% 0402 SMD,Digikey 311-15.0KLRCT-ND		R0402	15k	Digikey	311-15.0KLRCT-ND	
Hub	1	R414	Standard	RES 15.0K OHM 1/16W 1% 0402 SMD,Digikey 311-15.0KLRCT-ND		R0402	15k	Digikey	311-15.0KLRCT-ND	
Hub	1	R415	Standard	RES 15.0K OHM 1/16W 1% 0402 SMD,Digikey 311-15.0KLRCT-ND		R0402	15k	Digikey	311-15.0KLRCT-ND	
Hub	1	R416	Standard	RES 22 OHM 1/16W 5% 0402 SMD,Digikey 311-22JRCT-ND		R0402	22R	Digikey	311-22JRCT-ND	
Hub	1	R417	Standard	RES 22 OHM 1/16W 5% 0402 SMD,Digikey 311-22JRCT-ND		R0402	22R	Digikey	311-22JRCT-ND	
Hub	1	R418	Standard	RES 15.0K OHM 1/16W 1% 0402 SMD,Digikey 311-15.0KLRCT-ND		R0402	15k	Digikey	311-15.0KLRCT-ND	
Hub	1	R419	Standard	RES 15.0K OHM 1/16W 1% 0402 SMD,Digikey 311-15.0KLRCT-ND		R0402	15k	Digikey	311-15.0KLRCT-ND	
LP	1	S1	Standard	SWITCH TACTILE SPST-NO 0.02A 15V,Digikey P8079STB-ND		PBTH	SPST	Digikey	P8079STB-ND	
LP	1	S2	Standard	SWITCH TACTILE SPST-NO 0.02A 15V,Digikey P8079STB-ND		PBTH	SPST	Digikey	P8079STB-ND	
LP	1	S3	Standard	SWITCH TACTILE SPST-NO 0.02A 15V,Digikey P8079STB-ND		PBTH	SPST	Digikey	P8079STB-ND	
LP	1	S5	Standard	SWITCH TACTILE SPST-NO 0.02A 15V,Digikey P8079STB-ND		PBTH	SPST	Digikey	P8079STB-ND	
ezFET	1	TP104	PCB	Test Point_0.038 Hole, Digikey nothing-to-purchase		TP	TP	Digikey	nothing-to-purchase	
ezFET	1	TP105	PCB	Test Point_0.038 Hole, Digikey nothing-to-purchase		TP	TP	Digikey	nothing-to-purchase	
ezFET	1	TP106	PCB	Test Point_0.038 Hole, Digikey nothing-to-purchase		TP	TP	Digikey	nothing-to-purchase	
ezFET	1	TP107	PCB	Test Point_0.038 Hole, Digikey nothing-to-purchase		TP	TP	Digikey	nothing-to-purchase	
ezFET	1	TP108	PCB	Test Point_0.038 Hole, Digikey nothing-to-purchase		TP	TP	Digikey	nothing-to-purchase	
ezFET	1	TP109	PCB	Test Point_0.038 Hole, Digikey nothing-to-purchase		TP	TP	Digikey	nothing-to-purchase	
ezFET	1	TP110	PCB	Test Point_0.038 Hole, Digikey nothing-to-purchase		TP	TP	Digikey	nothing-to-purchase	
Hub	0	U401	TI	IC PWR DIST SWITCH SNGL SOT23-5,Digikey 296-21263-1-ND	TPS2041BDBVR	DBV5	TPS2041B_DBV_5	Digikey	296-21263-1-ND	DNP- Parts Removed from PCB
Hub	0	U402	TI	IC REG BUCK SYNC 3.3V 0.5A 6SON,Digikey 296-25630-1-ND	TPS6223DRYT	DRY6	TPS6223DRY	Digikey	296-25630-1-ND	
Hub	0	U403	TI	IC PWR DIST SWITCH SNGL SOT23-5,Digikey 296-21263-1-ND	TPS2041BDBVR	DBV5	TPS2041B_DBV_5	Digikey	296-21263-1-ND	DNP- Parts Removed from PCB
Hub	1	U404	TI	IC ESD-PROT ARRAY 2CH SOT-5,Digikey 296-21883-1-ND	TPD2E001DRLR	TPD2E001-DRL	TPD2E001DRLR	Digikey	296-21883-1-ND	
LP	1	U6	TI	IC MCU 16BIT 128K FLASH 80LQFP,Digikey 296-27306-1-ND	MSP430F5529IPNR	PN80	MSP430F5529IPNR	Digikey	296-27306-1-ND	
PCB	1	STAND1	PCB	Mounting Hole 110 mil, Digikey nothing-to-purchase		110mil	110mil	Digikey	nothing-to-purchase	
PCB	1	STAND2	PCB	Mounting Hole 110 mil, Digikey nothing-to-purchase		110mil	110mil	Digikey	nothing-to-purchase	
PCB	1	STAND3	PCB	Mounting Hole 110 mil, Digikey nothing-to-purchase		110mil	110mil	Digikey	nothing-to-purchase	
PCB	1	STAND4	PCB	Mounting Hole 110 mil, Digikey nothing-to-purchase		110mil	110mil	Digikey	nothing-to-purchase	

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