

Bill of Materials

TI DESIGNS

 Board: **TIDM-RFID-TRANSCEIVER**

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	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	TRF7960	RFID FRONT END 13.56MHz Multi-Protocol	Texas Instruments	TRF7960RHBR, -RHBT
	ALT	U1	TRF7961	RFID FRONT END 13.56MHz ISO15693	Texas Instruments	TRF7961RHBR, -RHBT
	ALT	U1	TRF7962A	RFID FRONT END 13.56MHz ISO15693	Texas Instruments	TRF7962ARHBR, -RHBT
	ALT	U1	TRF7963A	RFID FRONT END 13.56MHz ISO14443A/B, FeliCa	Texas Instruments	TRF7963ARHBR, -RHBT
34	1	U2	TPS61222DCKT	+3VDC to +5VDC boost converter	Texas Instruments	TPS61222DCKT

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