ITES	071	DEC DEC	DECORPTION	NAC	Man Dani Namala	Diai K DAI
ITEM	QTY	REF DES	DESCRIPTION	Mfg	Mfg Part Number	Digi-Key P/N
1	Ref		Assembly Dwg, TRF7960 Reader EVM (13.56 MHz) Rev A	Texas Inst		
2	Ref		Schematic, TRF7960 Reader EVM (13.56 MHz) Rev A	Texas Inst		
3	Ref		Bd Outline Dwg, TRF7960 Reader EVM (13.56 MHz) Rev A	Texas Inst		
4	Ref		Test Procedure, TRF7960 Reader EVM (13.56 MHz) Rev A	Texas Inst		
5			react research, Titl records add 2 viii (10.55 iiii 12) flov /	TOAGO IIIO		
6	1		PCB FAB, TRF7960 Reader EVM (13.56 MHz) Rev F	Texas Inst		
7	1		PCB Assy & Test TRF7960 Reader EVM (13.56 MHz) Rev A	ACD		
8						
9	1	J1	Connector, USB, (Type A), PCB R/A (Male)	Conec	33UBARS1-04PN1	www.conec.com
10		J2	Header (JTAG), 2x6 PIN, (0.100 inch STR), RoHS	Molex	10-89-7122	WM26812-ND
11	DNP		Connector, SMA (0.062 Edge Mount)	Johnson	142-0711-821	J629-ND
12	DNP	J3-Alt	Connector, SMA, Jack, (PCB Straight Mount), (Thru-Hole)	Johnson	142-0701-201	J500-ND
13						
14	1	S1	Switch, Reset, 1P1T, (20mA)	Panasonic	EVQ-PAC04M	P8006S-ND
15	1	Y1 (20 ppm)	Xtal, 13.56 MHz, (Xtal Load Cap = 18pF), (Ckt Caps = 27 pF)	Crystek	017486 Rev A	
16			(20 ppm), (-40 to +85 deg C), (Package = HC49S SMD)			
17						
18	Ref	Y1 (50 ppm)	Xtal, 13.56 MHz, (Load Cap = 12pF), (Package = CSM-7)	ECS	ECS-135.600-CD-0374	XC874-ND
19						
20	DNP	HDR-1, HDR-3	Header, 3-Pin, Male (2mm)	MLE	TSHS-203-S-06-GT-LF	www.MajorLeagueElectronics.com
21						1-800-782-3486
22	DNP	HDR-2	Header, 5-Pin, Male (2mm)	MLE	TSHS-205-S-06-GT-LF	
23						
24	DNP	HDR-4, HDR-5,	Header, 8-Pin, Male (2mm)	MLE	TSHS-208-S-06-GT-LF	
25		HDR-6				
26						
27	DNP	HDR-7	Header, 6-Pin, Male (2mm)	MLE	TSHS-206-S-06-GT-LF	
28						
29	Ref		Jumper (2mm)	MiniTek	86730-001LF	
30						
31						
32		C40	Capacitor, 4.7uF, Tantalum, +/-20% (10V)	Kemet	T491A475M010AS	399-1562-2-ND
33	6	C3, 5, 7, 9, 25, 30	Capacitor, 2.2uF, Ceramic, +/-10%, X5R, (10V), (0603)	Kemet	C0603C225K8PACTU	399-4911-2-ND
34						
35						
36		C31, 41, 42	Capacitor, 0.1uF, X7R, (25V), (0603	Panasonic	ECJ-1VB1E104K	PCC2277TR-ND
37	6	C4, 6, 8, 10, 26	Capacitor, 0.01uF, (or 10nF), X7R, (25V), (0603)	Panasonic	ECJ-1VB1E103K	PCC1763TR-ND
38		C33				
39		~				
40		C11,12	Capacitor, 1500pF, +/-10%, X7R, (50V), (0603)	Panasonic	ECJ-1VB1H152K	PCC1774TR-ND
41		C13, 14	Capacitor, 1200pF, +/-10%, X7R, (50V), (0603)	Panasonic	ECJ-1VB1H122K	PCC1773TR-ND
42		C15, C18	Capacitor, 680pF, +/- 5%, NPO, (50V), (0603)	Panasonic	ECJ-1VC1H681J	PCC2149TR-ND
43	1	C17	Capacitor, 220pF, +/- 5%, NPO, (50V), (0603)	Panasonic	ECJ-1VC1H221J	PCC221ACVTR-ND
44		C19	Capacitor, 100pF, +/- 5%, NPO, (50V), (0603)	Panasonic	ECJ-1VC1H101J	PCC101ACVTR-ND
45		C24	Capacitor, 56pF, +/- 5%, NPO, (50V), (0603)	Panasonic	ECJ-1VC1H560J ECJ-1VC1H470J	PCC560ACVTR-ND
46	1	C21 C1, 2, 20	Capacitor, 47pF, +/- 5%, NPO, (50V), (0603)	Panasonic	ECJ-1VC1H470J ECJ-1VC1H270J	PCC470ACVTR-ND PCC270ACVTR-ND
47 48			Capacitor, 27pF, +/- 5%, NPO, (50V), (0603)  Capacitor, 10pF, +/- 5%, NPO, (50V), (0603)	Panasonic		<u> </u>
	2	C22, 27	Capacitor, 10pF, +/- 5%, NPO, (50V), (0603)	Panasonic	ECJ-1VC1H100D	PCC100CVCT-ND
49 50	DNP	C23	Capacitor, TBD	Panasonic		
51	DINE	023	Capacitor, TDD	FaliaSUIIIU		
52	1	L1	Inductor, 150nH, (Q = 45), (Idc = 580 mA), (1008HS)	Coilcraft	1008CS-151XJLB	
53		L1 L2	Inductor, 330nH, (Q = 45), (Idc = 450 mA), (1008HS)	Coilcraft	1008CS-131XJLB	
54	1	L-C		Outlan	100000-331A3LD	
54 55						
56		······································				
57						
58						
59						
JJ						

ITEM	QTY	REF DES	DESCRIPTION	Mfg	Mfg Part Number	Digi-Key P/N
60	1	R11	Resistor, 47K (0.1W), (0603)	Panasonic	ERJ-3GEYJ473V	P47KGTR-ND
61	5	R13, 14, 24, 30,	Resistor, 10K (0.1W), (0603)	Panasonic	ERJ-3GEYJ103V	P10KGTR-ND
62		R31				
63	4	R6 ,25, 26, 27		Donoconio	ED LOCEVIAGOV	D1 OVCTD ND
64	4	R6 ,25, 26, 21	Resistor, 1K (0.1W), (0603)	Panasonic	ERJ-3GEYJ102V	P1.0KGTR-ND
65 66	6	D15 16 17 10 10	Resistor, 560 ohms (0.1W), (0603)	Panasonic	ERJ-3GEYJ561V	P560GTR-ND
67	0	R20	Resistor, 300 orinis (0.1777), (0003)	Fanasonic	ERJ-3GE1J301V	F300G1K-ND
68	-	NZU				
69	1	R10	Resistor, 100 ohms (0.1W), (0603)	Panasonic	ERJ-3GEYJ101V	P100GTR-ND
70		R3, 4	Resistor, 0 ohms (0.1W), (0603)	Panasonic	ERJ-3GEYJ0R00V	P0.0GTR-ND
71	<del> </del>	110, 4	(0.147), (0000)	1 anasonic	ERO-SOL 130R00V	TO.OGTIC-ND
72	DNP	R2, 12, 32	Resistor, TBD ohms (0.1W), (0603)			
73	DIVI	102, 12, 02	(0.177), (0000)		The state of the s	
74	12	R212, 234	Resistor, 0 ohms (0.063W), (0402)	Panasonic	ERJ-2GE0R00X	P0.0JTR-ND
75	14	450, 451, 452,	(0.000**), (0402)	i dildollio	LING ZOLUNOON	1 0.00111-110
76		453, 454, 455,				
77	<del> </del>	456, 457			-	
78	-	723, 745				
79	-	120, 170				
80	1	U1	CP2102, USB to UART, (-40 to 85 deg C), (28 pin QFN)	Silicon Labs	CP2102-GM	336-1160-ND
81	1	U2	MSP430F2370, (-40 to 85 deg C), (40 pin QFN)	Texas Inst	MSP430F2370 IRHA	296-21750-1-ND
82		U3	TRF7960, HF RFID Reader, (-40 to 110 deg C), (32 pin QFN)	Texas Inst	TRF7960 RHBT	296-20793-2-ND
83		U4, U6	UHF Tag tunning	I CAAS IIISI	TRI 7900 KIIBT	290-20193-2-IND
84	DNP		RI-UHF-IC116-00 (UHF Tag)	Texas Inst	RI-UHF-IC116-00	
85	DINE	03	KI-OHF-ICTIO-00 (OHF Tag)	I Exas IIISI	KI-UHF-ICT 10-00	
86	1	LED1 (PWR)	LED: water clear lense - Green (565nm), (2.1V @ 10mA	LiteOn	LTST-C190GKT	160-1183-2-ND
87			LED: water clear lense - Red-Org (630nm), (2.17 @ 10mA)	LiteOn	LTST-C190GKT	160-1183-2-ND
88			LED: water clear lense - Yellow (585nm), (2.1V @ 10mA	LiteOn	LTST-C190EKT	160-1184-2-ND
89		LED3 (14443B)	LED: water clear lense - Red (660nm), (2.17 @ 10mA	LiteOn	LTST-C1907KT	160-1181-2-ND
90			LED: water clear lense - Amber (610nm), (1.6V @ 10mA	LiteOn	LTST-C190CKT	160-1180-2-ND
90	1		LED: water clear lense - Red-Org (630nm), (2.1V @ 10mA)		LTST-C190AKT	160-1180-2-ND 160-1182-2-ND
92		LED6 (USEI App)	LED. water clear lense - Red-Org (630nm), (2.07 @ TomA,	LiteOn	LIST-CI90EKI	100-1102-2-ND
93	1		Anti-Static Storage Bag (Zip Lock) (4 x 6 inches	3M	2110R-4x6	Newark P/N = 33K4642
94	1		Affili-Static Storage Bay (Zip Lock) (4 x 6 inches)	SIVI	2110R-4X6	Newark F/N = 33K4042
95	<del> </del>					
96	-					
97	-		AR == As Required			
98			An As required			
99			DNP == Do Not Place			
100			DO NOT 1 1000			
100	-	<b></b>	Ref == Reference Information			
101			Nei Neielelice illioillatioil		-	
102						
103	<del> </del>				-	
104						
	ļ					
	<del> </del>					
	-				-	
	ļ					
			Capacitor, 10uF, Tantalum, +/-10% (50V) (Case E)	Vishay	293D106X9050E2TE3	718-1022-1-ND
			Capacitor, 10uF, Tantalum, +/-10% (25V) (Case C)	Vishav	293D106X9025C2TE3	718-1050-1-ND
				violitay		7.10.1000 1.140
			Capacitor, 10uF, Tantalum, +/-10% (10V) (Case A)	Vishay	293D106X9010A2TE3	718-1121-1-ND
	1		Capacitor, 0.1uF (or 100nF), X7R, (50V), (0603		GRM188R71H104KA93D	490-1519-1-ND

	Capacitor, 0.01uF (or 10nF), X7R, (50V), (0603		06035C103KAT2A	478-1227-1-ND
	Capacitor, 270pF, +/-5%, COG, (100V), (0603)		GRM1885C2A271JA01D	490-1361-1-ND
	Capacitor, 220pF, +/-5%, COG, (100V), (0603)		GRM1885C2A221JA01D	490-1359-1-ND
	Capacitor, 180pF, +/-5%, COG, (100V), (0603)		GRM1885C2A181JA01D	490-1357-1-ND
	Capacitor, 100pF, +/-5%, COG, (100V), (0603)	(	GRM1885C2A101JA01D	490-1351-1-ND
	Capacitor, 56pF, +/-5%, COG, (100V), (0603)		GRM1885C2A560JA01D	490-1345-1-ND
	Capacitor, 47pF, +/-5%, COG, (100V), (0603)	(	GRM1885C2A470JA01D	490-1343-1-ND
	Capacitor, 39pF, +/-5%, COG, (100V), (0603)		GRM1885C2A390JA01D	490-1341-1-ND
	Capacitor, 1.0pF, +/-5%, NPO, (100V), (0603)		06031A1R0BAT2A	478-3677-1-ND
	Inductor, 150 uH +/- 10% Q = 40, SRF = 7 MHz	MuRata	LQH32MN151K23	
	Inductor Shielded, 681 nH	API Delevan	S1210R-681K	DN7929CT-ND
	Inductor Shielded, 330 nH	API Delevan	S1210R-331K	DN7918CT-ND
	Inductor Shielded, 100 nH	API Delevan	S1210R-101K	DN7903CT-ND
	Diode Schottky, SOT-2:	STMicroelectonic	BAT46FILM	497-5709-1-ND
+	Blode deflotiky, GOT Ze	O I WII CI O CI COLOTII C	D/(140) IEW	437 8783 1 148
	Heat Sink (TO-220) (Pwr Dis @ temp rise = 1.5W @ 40 deg	CAAVID Thermalloy	577202B00000G	HS107-ND
	Ferrite Bead (42 ohms @ 10 MHz 10 Amps)	Steward	35F0121-0SR-10	240-2540-2-ND
-				