

BZ5MXI1002U
Application for FCC Certification
1000 Watt Digital Television Translator

Active Devices List:

ID	Component	Description	Qty	UM	Total
31c1897G6		MXi (Amplifier, 50v)	1	EA	2
CR2	MMSZ5231B-FDICT-ND	Zener Diode 5V sm	1	EA	2
CR3	MURS120T3G	DIODE 1A 200V MARK U1D ONSEMI	1	EA	2
CR4	HSMS-2800BLKG	DIODE SCHOTTKY	1	EA	2
CR5	HSMS-2820BLKG	DIODE SCHOTTKY HP MARM CO	1	EA	2
CR6	MMSZ5231B-FDICT-ND	Zener Diode 5V sm	1	EA	2
CR8	HSMS-2800BLKG	DIODE SCHOTTKY	1	EA	2
CR9	HSMS-2820BLKG	DIODE SCHOTTKY HP MARM CO	1	EA	2
CR10	MMSZ5231B-FDICT-ND	Zener Diode 5V sm	1	EA	2
CR12	MURS120T3G	DIODE 1A 200V MARK U1D ONSEMI	1	EA	2
CR13	MURS120T3G	DIODE 1A 200V MARK U1D ONSEMI	1	EA	2
CR14	MURS120T3G	DIODE 1A 200V MARK U1D ONSEMI	1	EA	2
CR15	MURS120T3G	DIODE 1A 200V MARK U1D ONSEMI	1	EA	2
CR16	MURS120T3G	DIODE 1A 200V MARK U1D ONSEMI	1	EA	2
CR17	MURS120T3G	DIODE 1A 200V MARK U1D ONSEMI	1	EA	2
CR18	HSMS-2800BLKG	DIODE SCHOTTKY	1	EA	2
CR20	MMSZ5231B-FDICT-ND	Zener Diode 5V sm	1	EA	2
Q10	bc847b	TRANSISTOR NPN MKG-1F	1	EA	2
Q1	bc847b	TRANSISTOR NPN MKG-1F	1	EA	2
Q2	BC859C	TRANSISTOR, PNP	1	EA	2
Q3	bc847b	TRANSISTOR NPN MKG-1F	1	EA	2
Q4	BC859C	TRANSISTOR, PNP	1	EA	2
Q5	bc847b	TRANSISTOR NPN MKG-1F	1	EA	2
Q6	BC859C	TRANSISTOR, PNP	1	EA	2
U1	MC9S08AC128CFGE	IC Microcontroller	1	EA	2
U3	MOCD207	IC DUAL OPTO NAND S.M.	1	EA	2
U4	MOCD207	IC DUAL OPTO NAND S.M.	1	EA	2
U5	LM358D	IC DUAL OP AMP SOIC 8 MOT	1	EA	2
U6	MMPQ2222A	TRANSISTOR NPN S.M.	1	EA	2
U7	LM324D	IC QUAD OP AMP SOIC 14	1	EA	2
U8	MOCD207	IC DUAL OPTO NAND S.M.	1	EA	2
U10	MMPQ2222A	TRANSISTOR NPN S.M.	1	EA	2
U11	LM339DG	IC COMPARITOR	1	EA	2
U12	MOCD207	IC DUAL OPTO NAND S.M.	1	EA	2
U13	LM324D	IC QUAD OP AMP SOIC 14	1	EA	2
U14	LM324D	IC QUAD OP AMP SOIC 14	1	EA	2
U15	LM324D	IC QUAD OP AMP SOIC 14	1	EA	2
U17	LM324D	IC QUAD OP AMP SOIC 14	1	EA	2

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U18	74HC00AD	IC QUAD 2 INPUT NAND S.M.	1	EA	2
U19	LM324D	IC QUAD OP AMP SOIC 14	1	EA	2
U22	LM324D	IC QUAD OP AMP SOIC 14	1	EA	2
U23	MMPQ2222A	TRANSISTOR NPN S.M.	1	EA	2
U24	MAX3232CWE	RS232 TRANSCEIVER	1	EA	2
VR1	78L05ACD	Voltage Regulator Motorola	1	EA	2
VR3	MC7805BDTG	Voltage Regulator 5V 1A ONSemi	1	EA	2
U26	MC33064D-005G	Undervoltage Sensing IC	1	EA	2
U27	ACS758LCB-50U-PFF-T	IC, CURRENT SENSOR 50A	0	EA	0
U28	TPS5420MDREP	STEP-DOWN CONVERTER	1	EA	2
U29	MMPQ2222A	TRANSISTOR NPN S.M.	1	EA	2
U30	LM358D	IC DUAL OP AMP SOIC 8 MOT	1	EA	2
CR21	HSMS-2800BLKG	DIODE SCHOTTKY	0	EA	0
CR22	IRFR5305TRPBF	Power Mosfet	1	EA	2
CR23	MURS120-T3	DIODE 1A 200V MARK U1D ONSEMI	1	EA	2
CR24	B340A-13-F	Schottky Pwr Rectifier	1	EA	2
CR25	MURS120-T3	DIODE 1A 200V MARK U1D ONSEMI	1	EA	2
21B1473G8			1	EA	2
HY1	1F1304-3	S/M COUPLER	1	EA	2
Q2	MPS6515	TRANSISTOR NPN AMP	1	EA	2
Q1	MMBT2222ALT1	TRANSISTOR, MOTOROLA "1P"	1	EA	2
U1	MHW9182	AMP RF 18dB 40-1000M 24V/0.2A	1	EA	2
U3	MC78M12CDT	IC SEE 78M12CDT	1	EA	2
U4	MC78L05ACD	IC REGULATOR 100mA SOIC-8	1	EA	2
CR1	BB811	DIODE VARACTOR	1	EA	2
CR2	BB811	DIODE VARACTOR	1	EA	2
21B2708G3			1	EA	2
Q1	MRF6V3090NBR5	TRANSISTOR UHF 21dB 90W 50V N-CH MOSFET	1	EA	2
Q2	MMBT2484LT1G	TRANSISTOR NPN SWITCHING	1	EA	2
Q3	MMBT2907ALT1G	TRANSISTOR PNP	1	EA	2
Q4	MMBT2484LT1G	TRANSISTOR NPN SWITCHING	1	EA	2
Q5	BCP56	TRANSISTOR NPN 1AMP MKG"BH-10" Infineon	1	EA	2
U1	MC78L05ACD	IC REGULATOR 100mA SOIC-8	1	EA	2
21B2729G1			5	EA	10
Q1	MRF6VP3450HR5	TRANSISTOR UHF 450W 50V N-CH MOSFET	1	EA	10
Q2	MMBT2484LT1G	TRANSISTOR NPN SWITCHING	1	EA	10
Q3	MMBT2907ALT1G	TRANSISTOR PNP	1	EA	10
Q4	MMBT2484LT1G	TRANSISTOR NPN SWITCHING	1	EA	10
Q5	BCP56	TRANSISTOR NPN 1AMP MKG"BH-10" Infineon	1	EA	10

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U1	MC78L05ACD	IC REGULATOR 100mA SOIC-8	1	EA	10
	21B2537G1	MXi802 FRONT PNL INTERFACE PCB	1	EA	1
VR1	MC7805CT	MOTOROLA REGULATOR (7805CT)	1	EA	1
CR1	MBRS240LT3G	DIODE, RECT 2A SCHOTTKY	1	EA	1
CR2	MBRS240LT3G	DIODE, RECT 2A SCHOTTKY	1	EA	1
CR3	1SMB5.0AT3	DIODE	1	EA	1
CR4	1SMB5.0AT3	DIODE	1	EA	1
CR5	1SMB5.0AT3	DIODE	1	EA	1
CR6	1SMB5.0AT3	DIODE	1	EA	1
CR7	MURS120T3G	DIODE 1A 200V MARK U1D ONSEMI	1	EA	1
CR8	MURS120T3G	DIODE 1A 200V MARK U1D ONSEMI	1	EA	1
CR9	MURS120T3G	DIODE 1A 200V MARK U1D ONSEMI	1	EA	1
CR10	1SMB5.0AT3	DIODE	1	EA	1
CR11	1SMB5.0AT3	DIODE	1	EA	1
CR12	MURS120T3G	DIODE 1A 200V MARK U1D ONSEMI	1	EA	1
CR13	1SMB5.0AT3	DIODE	1	EA	1
CR14	BB811	DIODE VARACTOR	1	EA	1
CR15	BB811	DIODE VARACTOR	1	EA	1
CR16	BB811	DIODE VARACTOR	1	EA	1
CR17	BB811	DIODE VARACTOR	1	EA	1
CR18	MBRS130LT3G	Schottky Pwr Rectifier	1	EA	1
CR19	MBRS130LT3G	Schottky Pwr Rectifier	1	EA	1
CR20	MURS120T3G	DIODE 1A 200V MARK U1D ONSEMI	1	EA	1
CR21	MURS120T3G	DIODE 1A 200V MARK U1D ONSEMI	1	EA	1
U1	MC9S12E128CFU	IC Microcontroller	1	EA	1
U2	MAX1685EEEE+	STEP-DOWN CONVERTER	1	EA	1
U3	XP1001001-03R	ETHERNET	1	EA	1
U4	MAX3110ECWI	SPI DUART	1	EA	1
U5	DS1307Z+	REAL-TIME CLOCK	1	EA	1
U6	MAX3311CUB+	IC RS-232 TRANCEIVER MAXIM	1	EA	1
U7	MMPQ2222A	TRANSISTOR NPN S.M.	1	EA	1
U8	MAX3311CUB+	IC RS-232 TRANCEIVER MAXIM	1	EA	1
U9	TPS3707-33D	IC 2.93V SUPPLY MONITOR 8-SOIC	1	EA	1
U10	MOCD207	IC DUAL OPTO NAND S.M.	1	EA	1
U11	MMPQ2222A	TRANSISTOR NPN S.M.	1	EA	1
U12	MOCD207	IC DUAL OPTO NAND S.M.	1	EA	1
U13	MOCD207	IC DUAL OPTO NAND S.M.	1	EA	1
U14	LM324D	IC QUAD OP AMP SOIC 14	1	EA	1
U15	MOCD207	IC DUAL OPTO NAND S.M.	1	EA	1
U16	LA-100-P	CURRENT TRANSDUCER	1	EA	1

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U17	LM324D	IC QUAD OP AMP SOIC 14	1	EA	1
U18	M0CD207	IC DUAL OPTO NAND S.M.	1	EA	1
U19	LA-100-P	CURRENT TRANSDUCER	1	EA	1
U20	LM324D	IC QUAD OP AMP SOIC 14	1	EA	1
U21	74HC00AD	IC QUAD 2 INPUT NAND S.M.	1	EA	1
U22	MMPQ2222A	TRANSISTOR NPN S.M.	1	EA	1
U23	LM324D	IC QUAD OP AMP SOIC 14	1	EA	1
U24	LM324D	IC QUAD OP AMP SOIC 14	1	EA	1
U25	MMPQ2222A	TRANSISTOR NPN S.M.	1	EA	1
U26	LM324D	IC QUAD OP AMP SOIC 14	1	EA	1
U27	LM358D	IC DUAL OP AMP SOIC 8 MOT	1	EA	1
U28	GALI-6F	AMP RF12 dB MINI CIRCUIT	1	EA	1
U29	74HC4066D	IC PHILLIPS	1	EA	1
U30	MC14011BD	IC MOTOROLA	1	EA	1
U31	GALI-6F	AMP RF12 dB MINI CIRCUIT	1	EA	1
U32	MAX764CSA	IC LOW IQ DC-DC INVERTER	1	EA	1
U33	LM324D	IC QUAD OP AMP SOIC 14	1	EA	1
VR1	MC7805BDTG	Voltage Regulator 5V 1A ONSemi	1	EA	1