	128								1				T	T
quantity per board	quantity required for N b				reference designators	part name 138	description	mfg part #	value		digikey part #	notes	dielectric type	cost
		28 112	50 250		VB0-3		3-to-8 demultiplxer '138	SN74LVC138APWR MCP1700T-1202E	-	TSSOP-16 SOT23	296-1223-1-ND MCP1700T-1202E/TTCT-ND			\$0.28
		28	250 60		EEPROM	1.2VREGULATOR 24LC64F-8PIN	voltage regulator 64kbit i2c eeprom	24LC64T-I/MS		MSOP-8	24LC64-I/MS-ND			\$0.28
		20	30		LI13	4PIN MON	6 pin 0.1" RA connector	24LC041-I/IVI3		IVISUP-0	24LC64-I/WS-IND	through-hole; do not install		
3:		980	1000		M0-34	ADG3248	1:2 or 2:1 multiplexer	ADG3248BKS		SC70-6	ADG3248BKSZ-REEL7CT-ND			+
3:		896	970		A0-31	AMP-SOT-23-6	amplifier	LMH6629		SOT23-6 or SOT23				+
		28	80		V3	AP7333-25SAG-7	2.5V regulator	AP7333-25SAG-7	1	SOT23	AP7333-25SAG-7DICT-ND			+
		28	57		V4	AP7333-33SAG-7	3.3V regulator	AP7333-33SAG-7		SOT23	AP7333-33SAG-7DICT-ND			+
15	,	4396	7000		C1-102 C124-141 C143-147 CD0-31	CAPACITOR-0402,0.1uF	capacitor		0.1uF		02			+
6-		1792	4000		CE0-31 CF0-31	CAPACITOR-0402.1nF	capacitor		1nF		02			_
2		560	8000		CG1-3 CG5-12 CG14-22	CAPACITOR-0402.1uF	capacitor		1uF		02			_
	3	224	8000		CH1-8	CAPACITOR-0402,200pF	capacitor		200pF		02			1
		112	200		CC1-4	CAPACITOR-0402,220pF	capacitor		220pF		02		NP0 or C0G	
1:		336	800		CJ1-12	CAPACITOR-0402,47nF	capacitor		47nF		02			
4		1120	4000		CA1-40	CAPACITOR-0603,22uF	capacitor	1	22uF		03			_
1:		336	2000		CB1-12	CAPACITOR-1206,100uF	capacitor		100uF		06			1
		28	100		CK1	CAPACITOR-0603-POLARIZED,10uF	capacitor		10uF		03	tantalum		1
		28			Q1	FET-N	N-channel FET	MGSF1N02LT1G		SOT23	mgsf1n02lt1gosct-nd	do not install		
		56	70		J6-7	FX8C-100P-SV		FX8C-100P-SV2				FX8C-100P-SV2		
		56	126		J2-3	FX8C-100S-SV		FX8C-100S-SV				FX8C-100S-SV		
		56	98		J5 J8	FX8C-120P-SV		FX8C-120P-SV2				FX8C-120P-SV2		
		56	108		J1 J4	FX8C-120S-SV		FX8C-120S-SV				FX8C-120S-SV		
3:	5	980	9000		L1-35	INDUCTOR_0402,2.7nH	inductor		2.7nH	4	02			
		28	80		l1	INVERTER	littlelogic inverter	SN74AUP1G14DBVR		SOT23-5	296-18213-2-ND			
		112	230		ASIC0-3	IRS3C	waveform-sampling ASIC	IRS3C		TQFP-128				
		28	100		5V0	LT1529								
		112	250		VA0-3	LT1963AES8-2.5		LT1963AES8-2.5#PBF		SOIC-8	57M7472 (newark)			\$2.30
		28	30		DAC	LTC2657	octal 16 bit DACs I2C	LTC2657		TSSOP20	LTC2657BIFE-L16#PBF-ND			\$25.07
		28	50		CAL	MMCX_BOARD_EDGE_CUTOUT_V2		26210	7		ACX1277-ND	board edge/cutout mount		\$3.724
	3	84			INTO_AMP INTO_ASIC INTO_MUX	MMXC_VERTICAL_THROUGH_HOLE						do not install		
		28	30		J15	MOLEX_6PIN_RA_MALE								
	3	84		10	0 GPI00-2	PCA9534A	8 bit GPIO	PCA9534APWR		TSSOP-16	296-21760-1-ND			
		56			J9-10	POGO-PIN-23-EDGE						do not install		
3:		896	4000		RM0-31	RES0402,1	resistor				02			
	8	224	5000		RN1-8	RES0402,10	resistor		1		02			
	B	224	10000		RD1-8	RES0402,10k	resistor		10k		02			
		28	10000		RB2	RES0402,12k	resistor		12k		02			+
		112	500		RL0-3	RES0402,14k	resistor		14k		02 A102622TR-ND			
		112	10000		RC1-4	RES0402,2.2k	resistor		2.2k		02			
3:	3	924	5000		RF0-32	RES0402,20k	resistor		20k		02			+
		28	100		RB4	RES0402,33k	resistor	-	33k		02	40.001	1	+
6-		1792	10000		RJ0-31 RK0-31	RES0402,50	resistor	-	5		02	49.9 Ohm acceptable	1	+
		140	8000		RA1-5	RES0402,7.5k	resistor		7.5k		02			
9		2688	3000		RE0-31 RG0-31 RH0-31	RES0402,806	resistor	OTTOZEA OMIDOE	80		02		1	+
	1	112	250		T0-3	TEMPERATURE_SENSOR_I2C	i2c temperature sensor	STTS751-0WB3F	1	SOT23-6L	497-10663-1-nd	there were below bloods	1	+
	-	28	250		GND	TEST_POINT		-	1	1	+	through-hole; black	1	+
		740	40	   it i- D-				-	1	1	+		1	+
smt		716		line items in Bol					-					+
through-hole		0		sides for assem	I I				-					+
BGA QFN DFN LG	1	υ	28	quantity	1		I	1	1	1		1	1	