

Designator	Package	Topmark	Measured	Mfg	P/N	Description
C?	0402		11.7nF			
C01	0402		.106uF			
C02	0402		.110uF			
C03	0402		0.108uF			
C04	0805		10.8uF			
C05	0402		.358nF			
C06	0402		.105uF			
C07	0402		.109uF			
C08	0402		.342nF			
C09	0402		.11uF			
C10	0402		0.1uF			
C11	0402		12.0nF			
C12	0402		0.165nF			
C13	0402		.11uF			
C14	1210		9.7uF			
C15	0402		2.67nF			
C16	0402		0.105uF			
C17	0805		10.75nF			
C18	0402		0.266uF			
C19	0805		10.8uF			
C19	0402		1.24nF			
C20	0402		.264uF			
C21	0402		.106uF			
C23	0603		1.1uF			
C24	0603		1.08uF			
C25	0402		105nF			
C26	0402		1.3nF			
C27	0402		0.628nF			
C29	0402		.977K			
C29	0402		.15nF			
C30	0402					Unpopulated
C36	0402		5.15nF			
C37	0402		0.11uF			
C38	1206		2.5/2.55uF			
C39	1210		9.9uF			
CC?	0402		1.29nF			
D01	SOT-23	74			BAS70-4	
D02	SOT-23	L4			BAT54	
D03	SOT-23	JV			BAS116 / 1SV266 ?	
D04	0.125" x 0.93"					Red LED
D05	0.125" x 0.93"					Red LED
D06	0.125" x 0.93"					Red LED

Designator	Package	Topmark	Measured	Mfg	P/N	Description
D07	0.125" x 0.93"					Red LED
D08	0805	8N				
D09	SOT-23	BJ / 8J			MMBZ5248B	18V Zener
D10	SOT-23	74			BAS70-4	
D11	SOT-23	AH			1SS345?	Schottky Diode
D12	SOT-23	BJ / 8J			MMBZ5248B	18V Zener
D13	SOT-23	73			BAS70	70V 70mA si Schottky diode
D14	SOT-23	8N		ON Semi / NTE	MMBZ5238B	8.7V 20mA Zener diode?
D15	SOT-23	BJ / 8J			MMBZ5248B	18V Zener
D16	SOT-23	BZ			MMBZ5256B?	30V Zener?
D16	SOT-23	BZ			MMBZ5256B?	30V Zener?
D19	SOT-23	73			BAS70	70V 70mA si Schottky diode
D20	SOT-23	PX			BZB84-B27	Dual 27V Zener Probed; doesn't appear to be right diagram
D21	SOT-23	PX			BZB84-B27	Dual 27V Zener Probed; doesn't appear to be right diagram
D28	SOT-23	DH				0.7v forward, Pin 2 NC, unknown
Q01		W36 BE				
Q02	SOT-23	1E		Nexperia	BC847	NPN 45V
Q10	SOT-23	12W K7K			2N7002	
Q11	SOT-23	12W Z9			2N7002	Newer board has Q11 marked K7K DD N-Channel MOSFET P-Channel 40-V (D-S) MOSFET
Q13	SOIC-8	W32C 4401D SAM		Vishay	SI4401BDY	
Q18	SOT-23	138 / 13B				
R01	0402		.9942K			
R02	0402		0.997K			
R03	0603?	4R7	4.75 Ohm			
R05	0805	151	149.1 Ohm			
R06	0402		10.01K			
R07	0402		1K			
R08	0402		10.05K			
R09	0402		1K			
R10	0402		22.04K			
R11	0402		1K			
R12	0402		1K			
R13	0402		1K			

Designator	Package	Topmark	Measured	Mfg	P/N	Description
R14	0402		0.996K			
R16	0402		0.98K			
R17	0402		9.97K			
R18	0402		5.125K			
R15	1206	560 / 095	55.74 Ohm			
R19	0402		147.61K			
R20	1206	10R0	10.08 Ohm			
R21	0402		49.83K			
R22	0402		100.55 Ohm			
R23	0402		120 Ohm			
R24	0402		120 Ohm			
R25	0402		120 Ohm			
R26	0402		120 Ohm			
R27	0402		99.56K			
R28	0402		5.15 Ohm			
R29	0402					Mis-labeled one? By RT2
R30	0402		80.31K			
R31	0402		10.05K			
R32	0402		17.41K			
R33	1206	102	1K			
R34	0402		39.05K			
R35	0402					Unpopulated
R40	0402		9.98K			
R42	0805	2490	248.9 Ohm			
R45	0402		9.95K			
R46	0402		20.11K			
R48	0402		9.99K			measured on another board; apparently deleted mis-labeled duplicate R46
R49	0805	202	1.99K			
R50	0402		19.68K			
R51	0402		51.29K			
R52	0402		5.08K			
R60	0402		5.1K			
R61	0805	5901	5.884K			
R67	0805	1000	99.85 Ohm			
R73	1206	1301	1.297K			
R74	0402		0.99M Ohm			
RR?	0402		98.63K			
RT2						Unpopulated
S1	¼" x ¼"					
U1	QFN-40/RHA-40	I430 G2744 H321 AX79 G4		TI	MSP430G2744	
U2	QFN-24			TI	BQ76925	

**Designator**

**Package**

**Topmark**

**Measured  
Last Update 2023-02-04**

**Mfg**

**P/N**

**Description**



## Datasheet

MMBZ5221B-MMBZ5259B.pdf

2n7002\_nxp.pdf

si4401bd.pdf

