

# Bill of Materials

Promotion Board – BMS – Cell Monitoring Unit (CMU)

Source Data From: CMU\_L9963.PrjPcb  
 Project: CMU\_L9963.PrjPcb  
 Variant: ADG-PT&S- 03-1946-49-R.0.0

Creation Date: 8/21/2019 2:55:26 PM  
 Print Date: 43810 43810,37706

Footprint	Comment	LibRef	Designator	Description	Quantity	Remarks
TESTER1	MRD	TP	B2, 1, B4, 3, B6, 5, B8, 7, B10, 9, B12, 11, B14, 13, Cell0, Cell1, Cell2, Cell3, Cell4, Cell5, Cell6, Cell7, Cell8, Cell9, Cell10, Cell11, Cell12, Cell13, Cell14, GND, GPIO2, GPIO3, GPIO4, GPIO5, GPIO6, GPIO8, ISOHm, ISOHp, ISOLm, ISOLp, S1, S2, S3, S4, S5, S6,		52	
1206C	2.2uF	CAP	C1' <b>100V</b>	Capacitor	1	
0603C	100nF	CAP	C2' <b>100V</b> , C3' <b>100V</b> , C7, C11, C12	Capacitor	5	C7, C11, C12 Not Assembled
1206C	10uF	CAP	C4	Capacitor	1	
0603C	47nF	CAP	C5' <b>100V</b> , C13' <b>100V</b> , C17' <b>100V</b> , C22' <b>100V</b> , C25' <b>100V</b> , C29' <b>100V</b> , C34' <b>100V</b> , C37' <b>100V</b> , C42' <b>100V</b> , C44' <b>100V</b> , C46' <b>100V</b> , C48' <b>100V</b> , C50' <b>100V</b> , C64' <b>100V</b> , C66' <b>100V</b> , CGS	Capacitor	16	
0603C	10nF	CAP	C6, C14, C18, C19, C23, C26, C30, C31, C36, C39, C43, C45, C47, C49, C51, C65	Capacitor	16	
0603C	220nF	CAP	C8	Capacitor	1	
0805C	2.2uF	CAP	C9, C10	Capacitor	2	
0805C	1uF	CAP	C15, C21, C33	Capacitor	3	
1206C	47nF	CAP	C16, C27, C28, C38	Capacitor	4	Not Assembled
0603C	22pF	CAP	C20, C24, C32, C35	Capacitor	4	
0603C	6.8nF	CAP	C40, C60, C61, C62, C63	Capacitor	5	
0603C	2.2nF	CAP	C41	Capacitor	1	
0603C	4.7nF	CAP	C52, C53, C54, C55, C56, C57, C58, C59	Capacitor	8	
SMA	SMA6T88AY	DIODE_1	D1	Diode	1	
0805D	LED GREEN	LED_2	D2		1	
SOD323	SZMM324V7T1G	D Zener	D3	Zener Diode	1	
SMA	SMA6T82AY	DIODE_1	D4	Diode	1	
1565749-3	Header 4	Header 4	ISOH, ISOL	Header, 4-Pin	2	
1206R	BLM31KN102	INDUCTOR	L1	Ferrite bead	1	
ESMIT4180	ESMIT-4180/A	Trans Ideal	L2, L3	choke coil	2	
MX34028NF1_1	Header 14X2A	Header 14X2A	P1	Header, 14-Pin, Dual row	1	
DPAK(123)	MJD31CT4	BCP56	Q1	NPN Transistor	1	
SO-8	STS8N6LF6AG	STS8N6LF6AG	Q2	N-Channel MOSFET	1	
1206R	10k	RES	R1		1	
0805R	0	RES	R2		1	Not Assembled
0603R	0	RES	R3, R7, R10, R13, R18, R22, R26, R31, R37, R41, R46, R51, R60, R65, R68		15	
0603R	100	RES	R4, R8, R11, R14, R19, R23, R27, R32, R38, R42, R47, R52, R61, R66, R69		15	
2010R	39	RES	R5, R9, R12, R16, R20, R24, R28, R36, R40, R45, R49, R59, R64, R67		14	
0805R	300	RES	R6		1	
0603R	60.4	RES	R15, R17, R25, R29		4	
0603R	10k	RES	R21, R30, R50, R53, R54, R55, R56, RG		8	
0603R	3K9	RES	R33, R57, R58, R62, R63		5	
0805R	6K2	RES	R34, R43, R48		3	
0603R	NTCG163JH103HTDS	Res Varistor	R35	Resistor (Thermal-Sensitive Resistor)	1	
0603R	18k	RES	R39		1	
0603R	2k	RES	R44		1	
2512R	47	RES	RHOT		1	
0603R	100k	RES	RPD		1	
L9963	L9963	L9963	U1		1	
SOT23-6L	USBLC6-2SC6Y	USBLC6-2P6	U2, U3	USBLC6-2P6	2	
M3X6	SCREW	SCREW	P1	M3X6 SELF TAPPING SCREW	2	
MTH1, MTH2, MTH3, MTH4					4	
MTH1, MTH2, MTH3, MTH4					4	
SOP4	PS2703-1	Optoisolator1	U4	4-Pin Phototransistor Optocoupler	1	

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Approved	Notes