

## PERT BMS BSU Testing Board

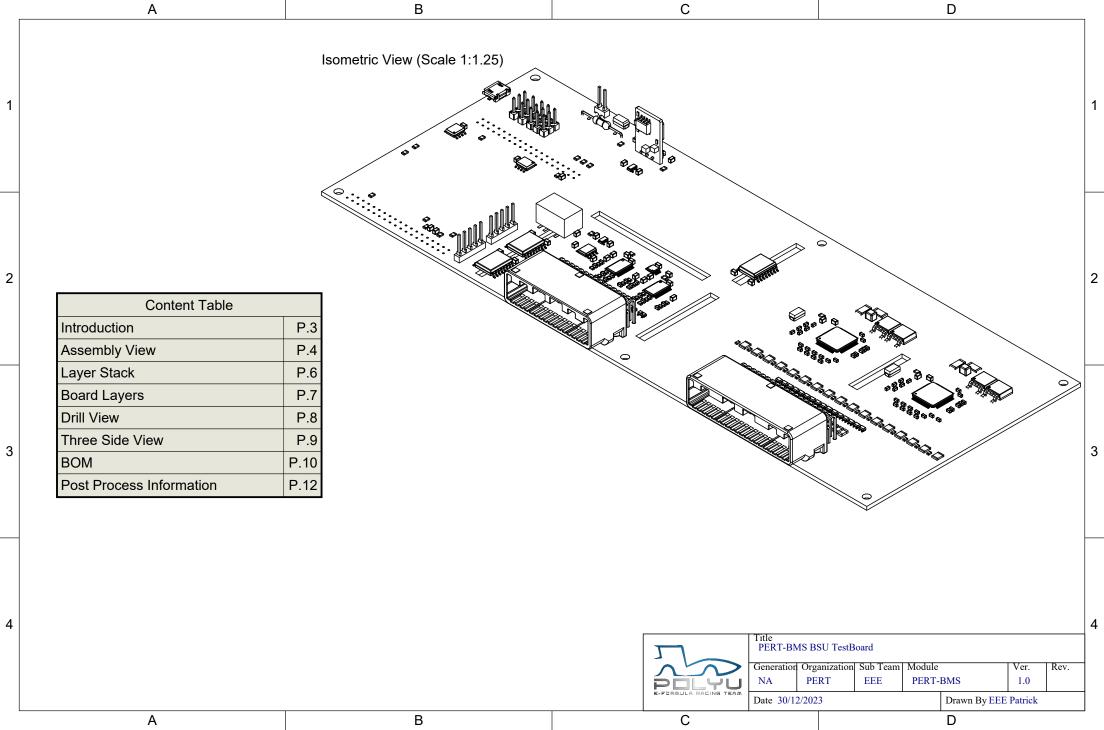
TESTING PROTOTYPE NOT FOR USE

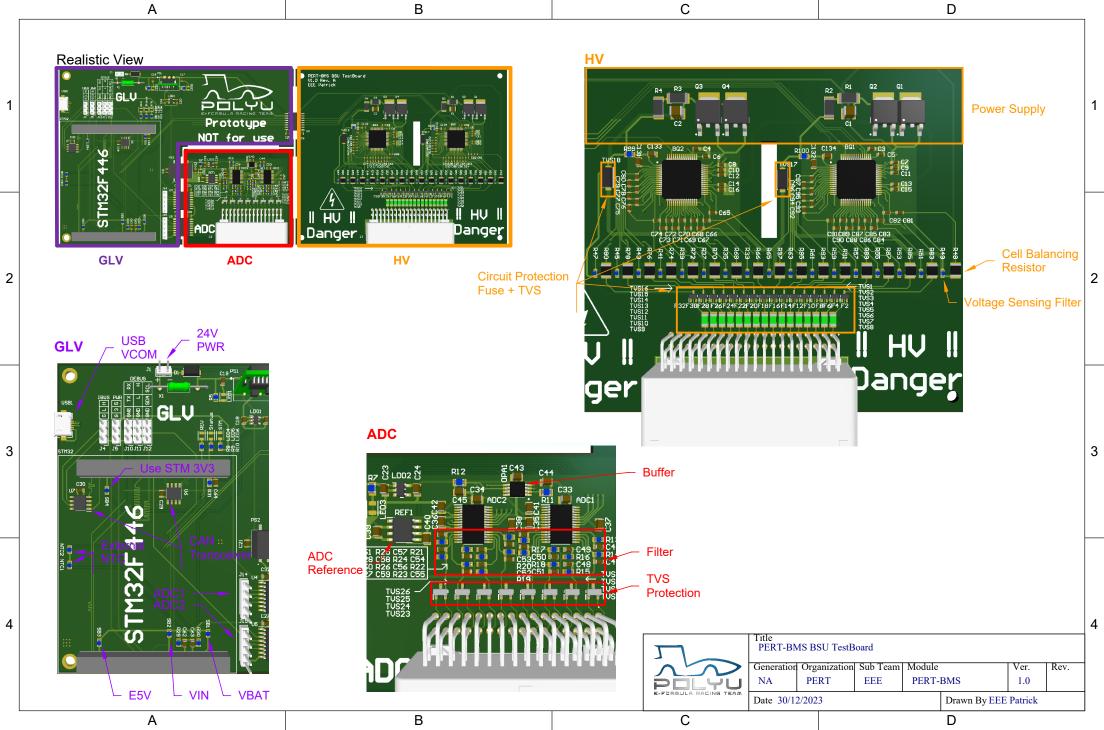
	E-FORMULA RACING TRAM	Title PERT-BMS BSU TestBoard						
		Generation NA	Organization PERT	Sub Team EEE	Module PERT-		Ver. 1.0	Rev.
E-FORMULA R		Date 30/12/2023				Drawn By EEE Patrick		

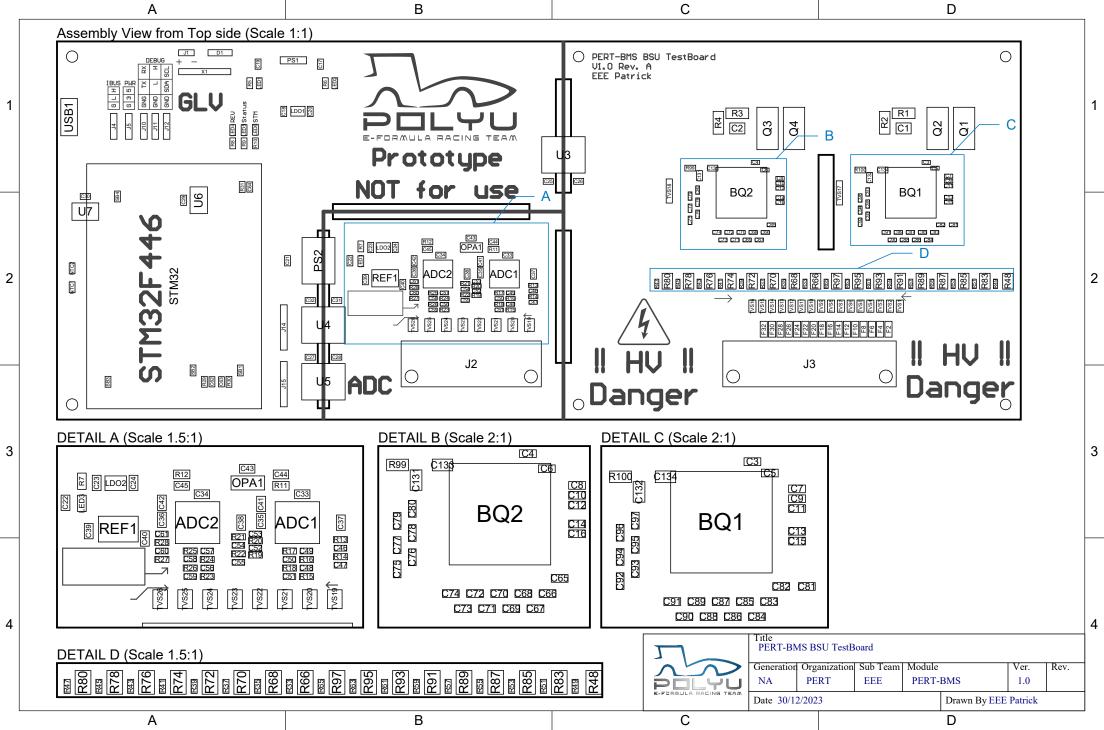
D

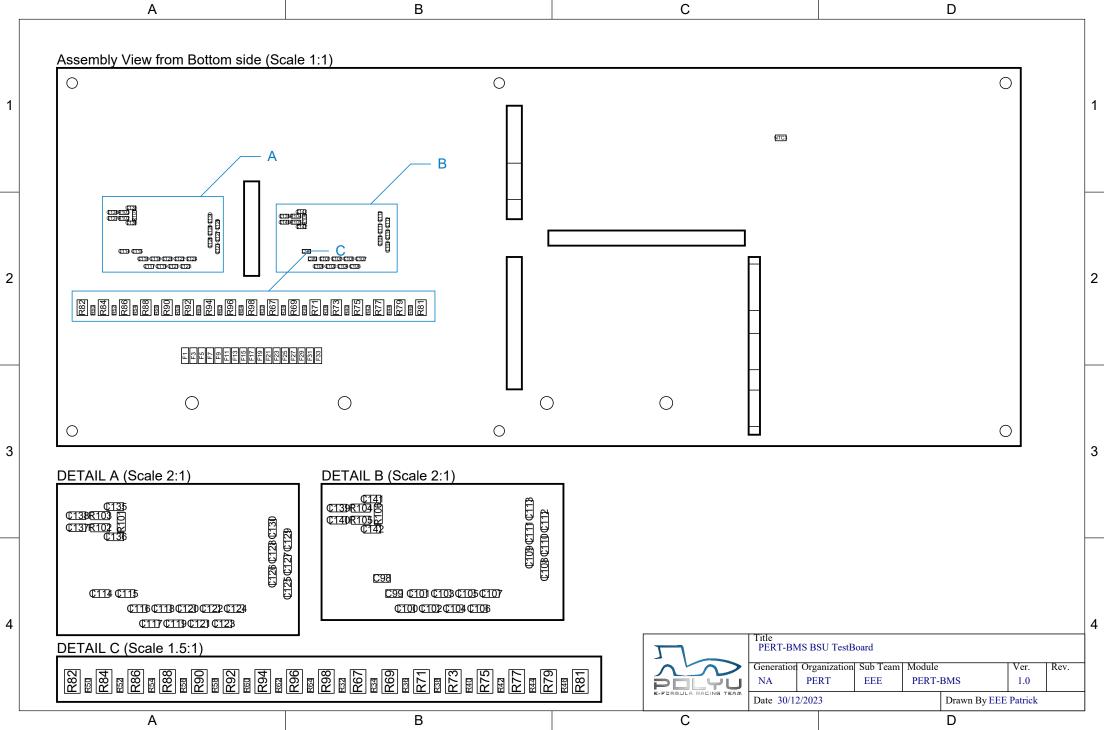
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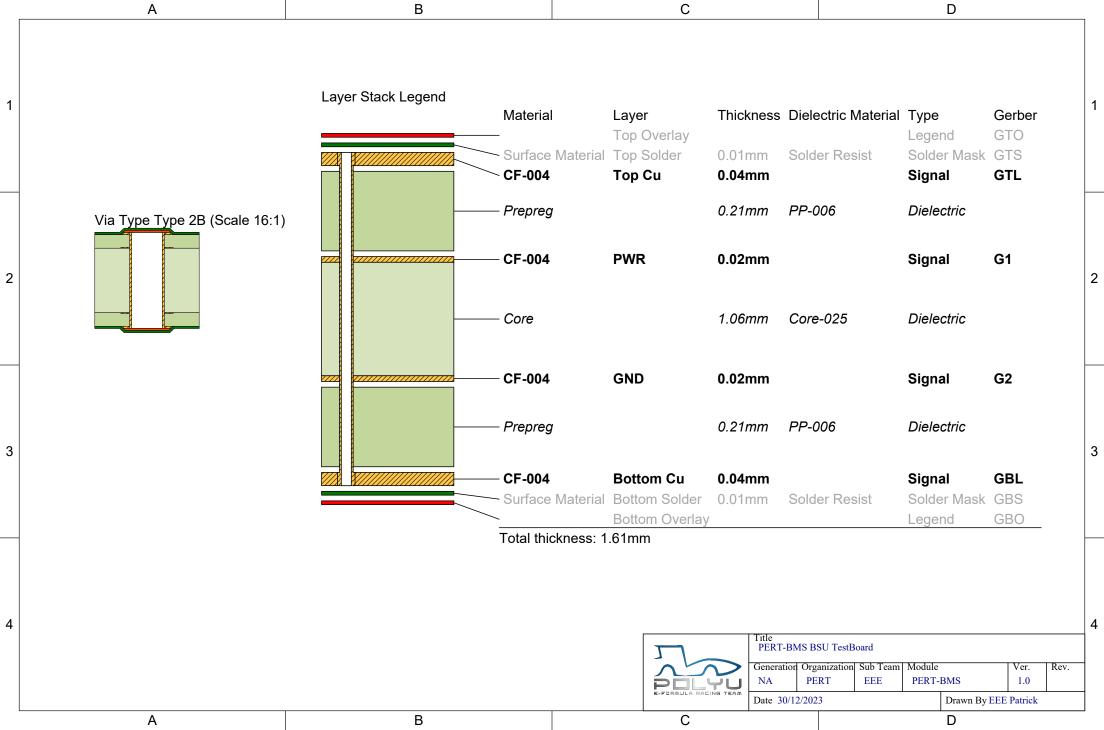
A B C

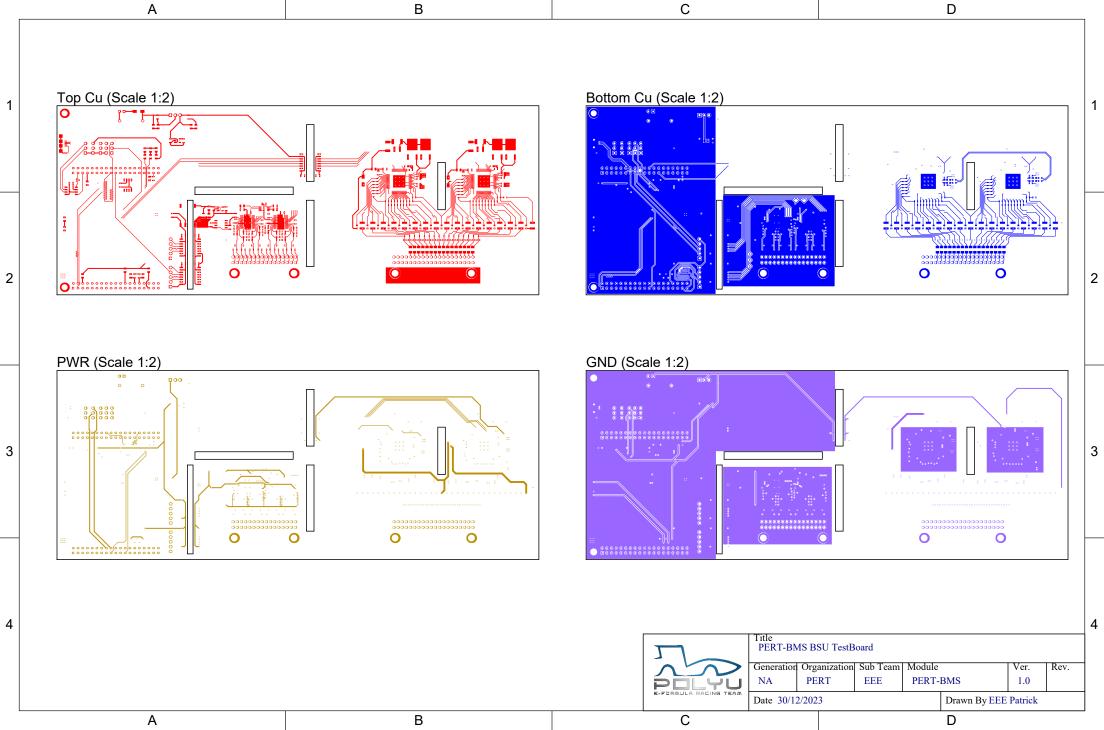


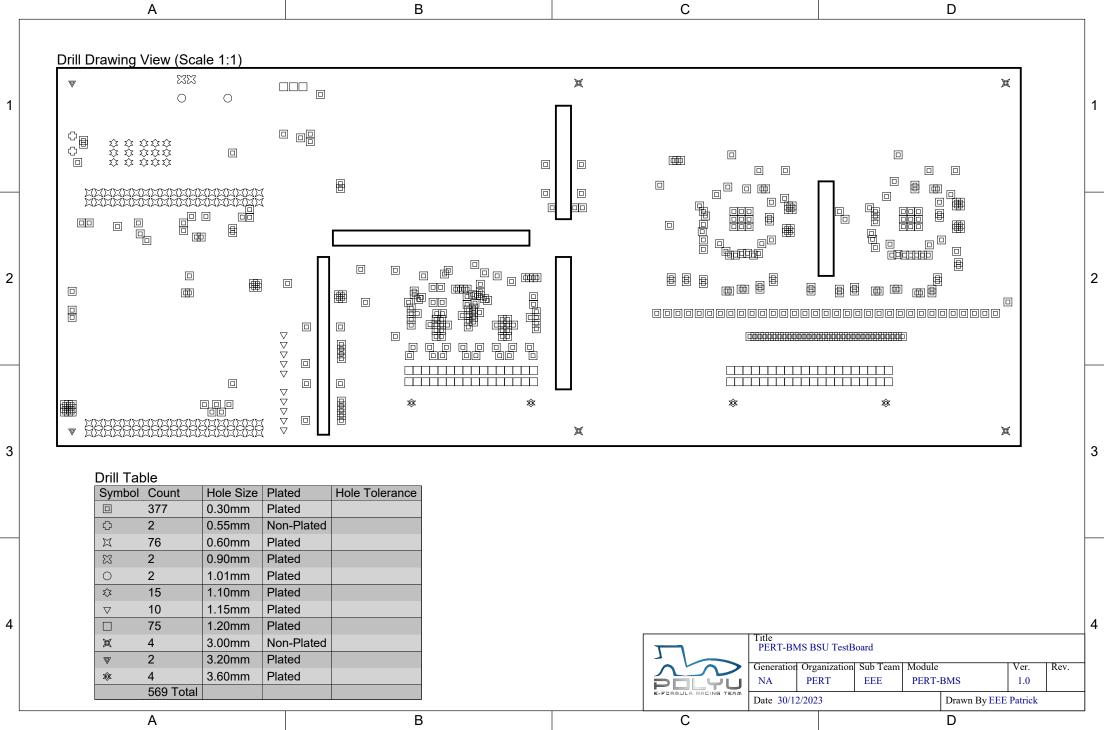


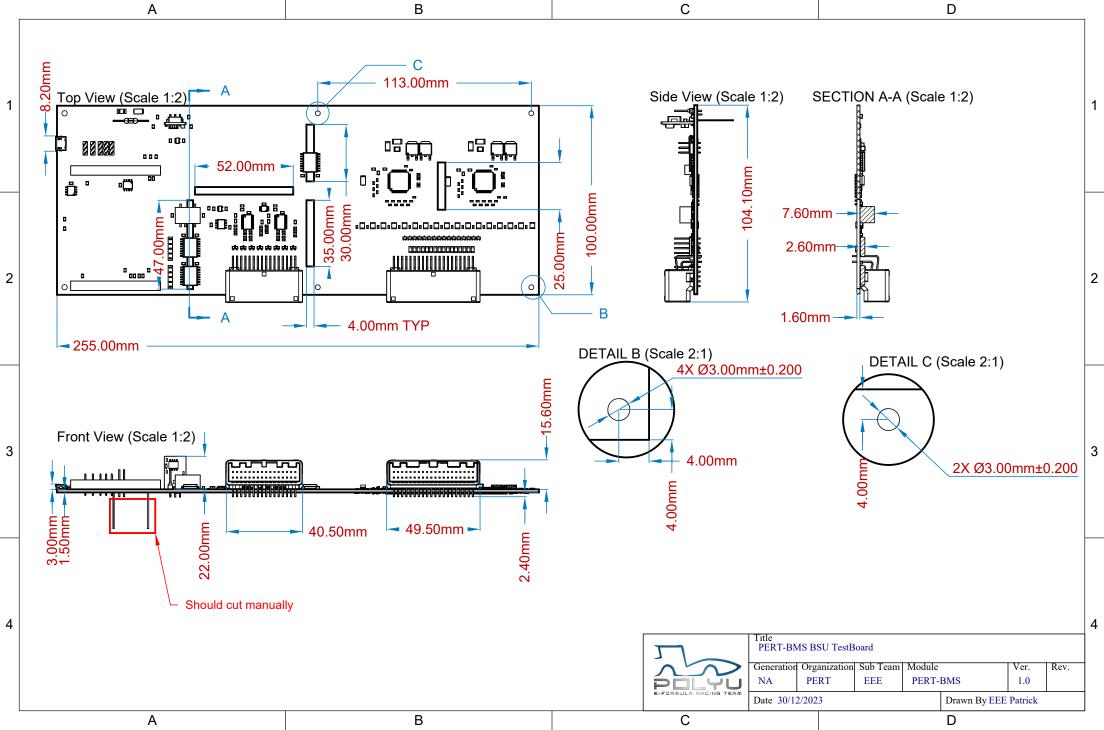












	A		В		С		D		
	Bill Of Materials (Top)				Bill Of Materials (Top)				
	Designator	Name	Manufacturer_Part_Nu mber	Quantity	Designator	Name	Manufacturer_Part_Nu mber	Quantity	
1	ADC1, ADC2	ADS7951QDBTRQ1	ADS7951QDBTRQ1	2	PS1	VXO7805-1000		1	
'	BQ1, BQ2	BQ79616PAPR	BQ79616PAPR	2	PS2	PDSE1-S24-S5-M		1	
	C1, C2	220n	BQ7301017ti Tt	2	Q1, Q2, Q3, Q4	ZXTN4004KTC	ZXTN4004KTC	4	
	C3, C4, C13, C14, C15, C16	1u		6	R1, R3	200		2	
	C5, C6	2.2u		2	R2, R4	100		2	
	C7, C8, C11, C12	0.1u		4	R5	20k		1	
	C9, C10	4.7u		2	R6, R7, R8, R9, R10	200		5	
	C17, C40	22u		2	R11, R12	100		2	
	C18, C20, C21, C23, C24,	ZZU		<u> </u>	R13, R14, R15, R16, R17,				
	C33, C34, C35, C36, C37,	l 1u		12	R18, R19, R20, R21, R22,	100k		16	
	C38, C39	l lu			R23, R24, R25, R26, R27, R28	10010			
	C19, C22, C41, C42, C43	10u		5	R29, R30, R31	100k		3	
2	C25, C26, C27, C28, C29,				R33, R35, R37, R39, R41,				
_	C30, C31, C32	100n		8	R43, R45, R47, R49, R51,	400		47	
	C44, C45, C62, C63, C64	150p		5	R53, R55, R57, R59, R61,	100		17	
	C46, C47, C48, C49, C50,	1006			R63, R65				
	C51, C52, C53, C54, C55,	150p		16	R48	0		1	
	C56, C57, C58, C59, C60, C61	1006			R66, R68, R70, R72, R74,				
	C65, C66, C67, C68, C69,				R76, R78, R80, R83, R85,	10		16	
	C70, C71, C72, C73, C74,				R87, R89, R91, R93, R95, R97				
	C75, C76, C77, C78, C79,				R99, R100	30		2	
	C80, C81, C82, C83, C84,	470n		33	REF1	REF5025AIDR	REF5025AIDR	1	
	C85, C86, C87, C88, C89,				SB1, SB2, SB3, SB4	0		4	
	C90, C91, C92, C93, C94,				TVS1, TVS2, TVS3, TVS4,				
,	C95, C96, C97				TVS5, TVS6, TVS7, TVS8,				
3	C131, C132	470n		2	TVS9, TVS10, TVS11, TVS12,	ESDA041-2W3Y	ESDA041-2W3Y	16	
	C133, C134	10n		2	TVS13, TVS14, TVS15,				
	D1	824500241	824500241	1	TVS16				
	F2, F4, F6, F8, F10, F12, F14,				TVS17, TVS18	SMAJ75A	SMAJ75A	2	
	F16, F18, F20, F22, F24, F26,	C1Q_1	C1Q 1	16	TVS19, TVS20, TVS21,		PESD5V0U2BT,215	8	
	F28, F30, F32				TVS22, TVS23, TVS24,	PESD5V0U2BT_215			
	J1	Header 1x2		1	TVS25, TVS26				
	J2	1318745-2	1318745-2	1	U3, U4, U5	ISO7741FBDW	ISO7741FBDW	3	
	J3	1318384-2	1318384-2	1	U6, U7	TJA1050T_CM_118	TJA1050T/CM,118	2	
	J4, J5, J10, J11, J12	Header 1x3	G800LR305018EU	5	USB1	UJ2-MIBH-G-SMT-TR			
	J14, J15	Header 1x5	87224-5	2	X1	Littelfuse 0251.500		1	
4	LDO1, LDO2	TLV75533PDBVR	TLV75533PDBVR	2					
*	LED1, LED2, LED3, LED4, RED			5		Title PERT-BMS BSU TestBoard			
	LED6	CDEEN							
	LED5	GREEN	3104JXT NTCS0805E3104JXT 2			Generation Organization	on Sub Team Module	Ver.	
	NTC1, NTC2	NTCS0805E3104JXT			POLY	NA PERT	EEE PERT-BMS	1.0	
	OPA1	OPA2192IDGKT	2IDGKT OPA2192IDGKT 1		E-FORMULA BACINE	Date 30/12/2023	Drawn By EEE Patrick		
	A		В	С		D	D		

