

Bill of Material for BBB Controller Cape.Bom

Used	Part Type	Designator	Foot print	Description	Read-Only Field 1	Part Field 1
4		JP1 JP2 JP3 JP4	SI P2	Jumper		*
19	0.1u	C1 C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12 C13 C14 C15 C16 C17 C18 C19	0805 AMM	Capaci tor		*
2	0R	JP10 JP11	0805 AMM	Resi st or		*
4	1k	R1 R2 R3 R4	0805 AMM	Resi st or		*
1	5.5v	TVS17	SMA	TVS - Uni Di r		SMAJ18CA
7	18V	D1 TVS11 TVS12 TVS13 TVS14 TVS15 TVS16	SMA	TVS - Uni Di r		SMAJ18CA
10	25V	TVS1 TVS2 TVS3 TVS4 TVS5 TVS6 TVS7 TVS8 TVS9 TVS10	SMA - BI - DI R	TVS - ESD Transient Voltage Suppressor - Bi Di recti onal		SMAJ18CA
2	74LVC2G17?	U4 U5	SOT-26 AMM	Buffer Doubl e Schmi tt		*
1	100R	R13	0805 AMM	Resi st or		*
7	100k	R6 R7 R8 R9 R10 R11 R12	0805 AMM	Resi st or		*
1	100u, 25v	C20	CAP ELECT 8MM NI CHI CON SMD	Capaci tor		*
1	100u	C21	CAP ELECT 8MM NI CHI CON SMD	Capaci tor		*
1	BC2032- F1	BH1	BATTERY HOLDER BC2032- F1- ND	Batt er y Hol der		*
1	CAT24C256	U8	SO8	EEPROM (12C)		*
1	CHS- 02TA	S1	SOP4	DI P Swi t ch		*
1	CON2	POWER	HEADER- 2P- 3. 81mm AMM	Connect or		*
6	CON4	DEBUG PORT A PORT B PORT C PORT D PORT PWR	HEADER- 4P- 3. 81mm AMM	Connect or		*
1	CON6	ANALOG	HEADER- 6P- 3. 81mm AMM	Connect or		*
1	CON8	GPI O	HEADER- 8P- 3. 81mm AMM	Connect or		*
4	CPC1020N	K1 K2 K3 K4	SSOP- 4 AMM	Rel ay SS - CPC1020N 1200mA		*
3	DNP	JP7 JP8 JP12	0805 AMM	Resi st or		*
1	DS3231- C	U6	SO16	Real Ti me Cl ock (RTC, wi th i ntegrated crystal)		*

1	HEADER 6	J1	SIP6		*
2	HEADER 23X2	J8 J9	HEADER 2X23 BBB		*
1	IDC10	AUX	IDC10 (2X5) AMM	Connect or	*
5	PTC 33V 1.25A	F1 F2 F3 F4 F5	2920 AMM		507-1745-1-ND
1	Polulu 2843	U7	POLULU DC-DC	DC DC Converter (with Enable, 4 terminals)	*
1	RB751V40	D2	SOD323 AMM	Diode	568-8119-1-ND
3	ST3232BDR	U1 U2 U3	SO16	RS232 Transceiver - 2 Drivers + 2 Receivers	*