

Description	Model Name	Quantity needed
Note: Beaglebone will be facing downwards and there will be female header pins. The schematic and board will be mirrored		
Switching Voltage Regulator	78SRH-5/2-C	1
47uF / 50V Aluminium Polymer Capacitor	870055775005	2
LED		1
1.5k Ohms 1W resistor (for LED)		1
24V connector	256-402/333-000	1
8 pin IC holder (for Can controller)	MCP2551 (P) not (SN)	1
CAN IC		1
3 pin molex connector (for CAN Bus)		1
3 pin molex connector (for CAN breakout board)		1
10k Ohms 1/8W Resistor (for CAN RS pin)		1
120 Ohms 1/8 W		1
2 pin Molex (for Switch)		1
10k 1/8W (for Switch)		1
2 pin Molex (for WAP enable)		1
N channel enhancement MOSFET	IRLB8721	1
Gate Resistance 160E ,1/4W		1
Beaglebone black Rev C		1
Male header pins (40)		4

Datasheet Link					
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http://www.mouser.com/ds/2/281/mpm_78sr-2a_a00-42390.pdf					
http://katalog.we-online.de/pbs/datasheet/870055775005.pdf					
Not Required					
Not Required					
https://drive.google.com/open?id=0B4PBstU5QzLGaUNWOWhXWmkwd1k					
http://ww1.microchip.com/downloads/en/DeviceDoc/21667f.pdf					
https://drive.google.com/open?id=0B4PBstU5QzLGaGszWDctNzRNTTg					
Not Required					
Not Required					
https://drive.google.com/open?id=0B4PBstU5QzLGaGszWDctNzRNTTg					
https://drive.google.com/open?id=0B4PBstU5QzLGaGszWDctNzRNTTg					
Not Required					
http://www.elinux.org/Beagleboard:BeagleBoneBlack#Hardware_Files	https://drive.google.com/a/bits-pilani.ac.in/file/d/0BzyG6lce_hXtMHBwb0pDR2lhdm8/vie				

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