

Reference Designator	Value	Description	Manufacturer	Manufacturer P/N	Supplier	Supplier P/N	Unit Cost
J2		CONN HDR VERT 6POS .100 TIN	Molex LLC	705430040	Digikey	WM4828-ND	\$1.04
J3		CONN HDR VERT 6POS .100 TIN	Molex LLC	705430040	Digikey	WM4828-ND	\$1.04
Q1		TRANS NPN DARL 100V 8A TO-220	Micro Commercial Co	TIP102-BP	Digikey	TIP102-BP-ND	\$1.29
U2		IC REG BOOST ADJ 0.6A 8SOIC	Linear Technology	LT1307BCS8#PBF	Digikey	LT1307BCS8#PBF-ND	\$4.23
U4		IC MCU 8BIT 7KB FLASH 18SOIC	Microchip Technology	PIC16LF1827-I/SO	Digikey	PIC16LF1827-I/SO-ND	\$1.52
U6		Transistor Output Optocouplers Optocoupler Phototrans	Lite-On	LTV-357T	Mouser	859-LTV-357T	\$0.25
RPOW	0.75Ω	RES 0.75 OHM 20W 1% TO220	Bourns	PWR220T-20-R750F	Mouser	652-PWR220T-20-R750F	\$4.00
Connector		Headers & Wire Housings 6P TPA PIECE USE W/ 50-57-9706	Molex LLC	73838-0006	Mouser	538-73838-0006	\$0.44
Socket Contact		CONN TERM FEMALE 24-30AWG 15GOLD	Molex LLC	16020082	Digikey	WM9138CT-ND	\$0.17
*this is the BOM for materials purchased for the AMS boards/connectors between them during 2018 only							