

GUAVA CONTROLLER BOX – INTERNAL WIRING & CABLES

Type	Description	Spec / Details	MFG	MFG Part No	DiGiKEY Part No	Qty / Mach	Qty Order
Connector	Receptacle	14-POS, panel mount w. brass inserts			A106308-ND	4	8
	Receptacle	-----”-----; different Keying			?		
Pin/ Socket	Socket	14-18 AWG Tin Sockets for Receptacle			A31997-ND		
Pin/ Socket	Socket	14-18 AWG Gold Sockets for Receptacle			A25012-ND		
Pin/ Socket	Socket	20-24 AWG Tin Sockets for Receptacle			A31995-ND	30	250
Pin/ Socket	Socket	20-24 AWG Gold Sockets for Receptacle			A25108-ND		
Pin/ Socket	Socket	24-26 AWG Tin Sockets for Receptacle			A1656-ND	18	250
*Connector	Plug	14-POS, free hanging			A1358-ND	4	8
*	Plug	-----//-----; different Keying			?		
*Pin/ Socket	Pin	14-18 AWG Tin Pin for Plug			A31998-ND		
*Pin/ Socket	Pin	14-18 AWG Gold Pin for Plug			A25127-ND		
*Pin/ Socket	Pin	20-24 AWG Tin Pin for Plug			A31989-ND	30	250
*Pin/ Socket	Pin	20-24 AWG Gold Pin for Plug			A25107-ND		
*Pin/ Socket	Pin	24-26 AWG Tin Pin for Plug			A1324-ND	18	250
*Str Relief	Straight Housing	Cable Clamp for 14-Pos; 0.453” opening			A32516-ND	2	4
*Str Relief	Straight Housing	Cable Clamp for 14-Pos; 0.703” opening			A33767-ND		
*Str Relief	90 Deg Housing	-----//-----; 0.453” opening; full cover			A33754-ND	2	4
*Str Relief	90 Deg Housing	-----//-----; 0.453” opening; half cover			A33758-ND		1
Connector	Receptacle	4-POS, panel mount w. brass inserts			A25053-ND	1	3
Pin/ Socket	Socket	14-18 AWG Tin Sockets for Receptacle			A31997-ND	2	50
Pin/ Socket	Socket	14-18 AWG Gold Sockets for Receptacle			A25012-ND		
Pin/ Socket	Socket	20-24 AWG Tin Sockets for Receptacle			A31995-ND	2	50
*Connector	Plug	4-POS, free hanging			A1357-ND	1	3
*Pin/ Socket	Pin	14-18 AWG Tin Pin for Plug			A31998-ND	2	50
*Pin/ Socket	Pin	14-18 AWG Gold Pin for Plug			A25127-ND		
*Pin/ Socket	Pin	20-24 AWG Tin Pin for Plug			A31989-ND	2	50
		* Not Box (Internal) BOM					

Type	Description	Spec / Details	MFG	MFG Part No	DiGiKEY Part No	Qty/Mach	Qty Order	Price Ea	Price >500	Price >1000
*Str Relief	Straight Housing	Cable Clamp for 4-Pos; 0.217" opening			A99541-ND			\$6.94	\$4.62	\$4.05
*Str Relief	Straight Housing	Cable Clamp for 4-Pos; 0.329" opening			A104910-ND			\$4.90	\$3.30	\$2.80
*Str Relief	Straight Housing	Cable Clamp for 4-Pos; 0.453" opening			A32518-ND		2	\$6.01	\$4.06	\$3.55
*Str Relief	90 Deg Housing	-----//-----; 0.329" opening; full cover			A32501-ND	1	2	\$10.03	\$6.75	\$5.97
*Str Relief	90 Deg Housing	-----//-----; 0.329" opening; half cover			A33756-ND			\$8.97	\$6.04	\$5.34
Connector	Receptcl/Socket	D-Sub RCPT 25POS IDC	3M	8350-7005	3M15414-ND	1	3	\$9.43	\$6.35	\$5.61
*	Plug	D-Sub RCPT 25POS IDC	3M	8225-8000	3M15408-ND	1	3	\$7.32	\$4.88	\$4.27
*Str Relief	Back Shell	Backshell DB25 Flat Ribbon	Norcomp	976-025-010R031	976-25RPE-ND	1	2	\$2.03	\$1.31	\$1.12
Connector	Housing	8-POS .100 Dual (Black)	Molex	22-55-2081	WM2521-ND	1	50	\$1.55	\$1.00	\$0.86
Connector	Housing	20-POS .100 Dual (Black)	Molex	22-55-2201	WM2527-ND	1	50	\$1.97	\$1.28	\$1.10
Crimp	Female/Socket	Connector Crimp - Socket	Molex	0016020102	WM2510-ND	18	250	\$0.17	\$0.08	\$0.07
Connector	LCD Socket	IDC 10POS Dual 30AU	FCI	71600-010LF FCI	609-1739-ND	2	50	\$1.16	\$0.72	\$0.64
Cable	Flat	Cable 25 Cond 100FT Shield Flat	3M	3517/25 100SF	MB25H-100-ND	1	1	\$374		
Connector	Thermistor/switch	Connector Housing 2POS .100 W/Latch	Molex	0050579452	WM2900-ND	6	50	\$0.49	\$0.31	\$0.25
Connector	Socket/ Female	Connector Term Female 22-24AWG Tin	Molex	0016020102	WM2510-ND	30	250	\$0.17	\$0.10	\$0.07
Connector	Motor Conn	Connector Housing 4POS .100 W/Latch	Molex	0050579404	WM2902-ND	6	50	\$0.47	\$0.34	\$0.24
Connector	Switch Conn	Connector Housing 3POS .100 W/Latch	Molex	0050579403	WM2901-ND	3	50	\$0.39	\$0.26	\$0.19
Connector	24VDC/ Male	4 or 6 Pins Housing Panel mount – TBD?								
	24VDC/ Male	Crimp Pins - TBD								
Terminal	24V Power Switch	Conn Fast Receptacle 14-16 AWG .250	TE Conn.	3-350820-2	A27824-ND	5	100	\$0.205	\$0.17	\$0.14
Switch	Power Switch	Switch Rocker DPST 20A 125V	E-Switch	R5ABLKBLKFF0	EG1529-ND	1	5	\$1.55	\$1.18	\$1.04
	(2nd Source)	Switch Rocker DPST 16A 125V	Cherry	WRG32F2FBBNN	CH784-ND			\$1.38	\$1.05	\$0.93
Wire/ Cable	Motor Power	Shielded 4Cond 22AWG / 100Ft	Gen Cable	C07623.12.10	W504-100-ND	1	1	\$79.01		
		Shielded 4Cond 22AWG / 500 ft			W504-500-ND				\$194	
		Shielded 4Cond 22AWG / 1000 ft			W504-1000-ND					\$419
Wire	Bed Heat Power	16AWG Stranded – Violet – 100 ft	Gen Cable	C2065A.12.19	C2065V-100-ND	1	1	\$38.37		
		16AWG Stranded – Violet – 1000 ft	Gen Cable	C2065A.12.19	C2065V-1000-ND			\$212		
Wire	Bed Thermistor	24AWG Stranded – Yellow – 100 ft	Gen Cable	C2015A.12.05	C2015Y-100-ND	1	1	\$15.56		
		24AWG Stranded – Yellow – 1000 ft	Gen Cable	C2015A.21.05	C2015Y-1000-ND			\$95.21		

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Wire	Ext Power (2)	24AWG Stranded – Red – 100 ft	Gen Cable	C2015R.12.03	C2015R-100-ND	1	1	\$15.56		
		24AWG Stranded – Red – 1000 ft	Gen Cable	C2015R.21.03	C2015R-1000-ND			\$95.21		
Wire	Ext Thermistor (2)	24AWG Stranded – Orange – 100 ft	Gen Cable	C2015A.12.04	C2015A-100-ND	1	1	\$15.56		
		24AWG Stranded – Orange – 1000 ft	Gen Cable	C2015A.21.04	C2015A-1000-ND			\$95.21		
Wire	Ext Fan (2)	24AWG Stranded – Red – 100 ft	Gen Cable	C2015R.12.03	C2015R-100-ND	1	1	\$15.56		
		24AWG Stranded – Red – 1000 ft	Gen Cable	C2015R.21.03	C2015R-1000-ND			\$95.21		
Wire		24AWG Stranded – Black – 100 ft	Gen Cable	C2015A.12.01	C2015B-100-ND	1	1	\$36.32		
		24AWG Stranded – Black – 1000 ft	Gen Cable	C2015A.21.01	C2015B-1000-ND			\$172.7		
Wire	Ext Motor (2)	Same as Motor Power Wire - ?? mm								
Wire	24VDC	16AWG Stranded – Red – 100 ft	Gen Cable	C2065A.12.03	C2065R-100-ND	1	1	\$38.37		
		16AWG Stranded – Red – 1000 ft	Gen Cable	C2065A.21.03	C2065R-1000-ND			\$211.6		
Wire	24VDC Common	16AWG Stranded – Yellow – 100 ft	Gen Cable	C2065A.12.05	C2065Y-100-ND	1	1	\$38.37		
		16AWG Stranded – Yellow – 1000 ft	Gen Cable	C2065A.21.05	C2065Y-1000-ND			\$211.6		
Wire	Z-Right Motor	Same as Motor Power Wire - ?? mm								
	Z- Left Motor	Same as Motor Power Wire - ?? mm								
Wire	Z- Switch	26AWG Stranded – White – 100 ft	Alpha	3049 WH005	A3049W-100-ND	1	1	\$36.32		
		26AWG Stranded – White – 1000 ft	Alpha	3049 WH001	A3049W-1000-ND			\$172.7		
Wire		26AWG Stranded – Black – 100 ft	Alpha	3049 BK005	A3049B-100-ND	1	1	\$36.32		
		26AWG Stranded – Black – 1000 ft	Alpha	3049 BK001	A3049B-1000-ND			\$172.7		
Wire	X- Motor	Same as Motor Power Wire - ?? mm								
Wire	X- Switch	26AWG Stranded – White – 100 ft	Alpha	3049 WH005	A3049W-100-ND	1		\$36.32		
		26AWG Stranded – White – 1000 ft	Alpha	3049 WH001	A3049W-1000-ND			\$172.7		
Wire		26AWG Stranded – Black – 100 ft	Alpha	3049 BK005	A3049B-100-ND	1		\$36.32		
		26AWG Stranded – Black – 1000 ft	Alpha	3049 BK001	A3049B-1000-ND			\$172.7		
Wire	Y- Motor	Same as Motor Power Wire - ?? mm								
Wire	X- Switch	26AWG Stranded – White – 100 ft	Alpha	3049 WH005	A3049W-100-ND	1		\$36.32		
		26AWG Stranded – White – 1000 ft	Alpha	3049 WH001	A3049W-1000-ND			\$172.7		
Wire		26AWG Stranded – Black – 100 ft	Alpha	3049 BK005	A3049B-100-ND	1		\$36.32		
		26AWG Stranded – Black – 1000 ft	Alpha	3049 BK001	A3049B-1000-ND			\$172.7		

TB	Power Plug	Term Block Plug 6POS STR 5.08MM	Molex	39530-0006	WM7822-ND	1	25	\$4.33	\$2.24	\$1.98
TB	Heat & Fan	Term Block Plug 2POS STR 5.08MM	Molex	39530-0002	WM7819-ND	5	50	\$1.60	\$0.76	\$0.67

TOOLS

Type	Description	Spec / Details	MFG	MFG Part No	DiGiKEY Part No	Qty/ Mach	Qty Order	Price Ea	Price >500	Price >1000