

Mouser Electronics® 1000 North Main Street Mansfield, TX 76063 USA (800) 346-6873

Order Details

Order Status

Order Entered

We will update your current order status soon.

Summary

Sales Order #:

Web Order #: 34891577
Customer Name Kathy Brewer
Customer # Order Date: 11-Feb-25

Billing Address

United States

Texas AM University Electrical Computer Eng ECEN Business Office 3128 TAMU College Station, TX 77843-3128 Texas A&M ECEN

Mackenzie Miller Capstone

188 Bizzell Street

Shipping Address

WEB, Room 076 College Station, TX 77843-3128 United States

Payment Method

Payment Method: NET Terms

PO Number: 02-460004-00000

Shipping Method

UPS Ground

Selected Delivery Method
Single Shipment
?

Product Detail		Customer #	Order Qty.	Price (USD)	Ext. (USD)	Status	Date	Invoice #
Mouser #: Mfr. #:	581-08055C104KAZ2A 08055C104KAZ2A		10	\$0.115	\$1.15	10 Pending	Pending	-
Desc.:	Multilayer Ceramic Capacitors MLCC - SMD/SMT Multilayer Ceramic Capacitors MLCC - SMD/SMT KGF21BR71H104KT NEW GLOBAL PN 50V 0.1uF A 581- KGF21BR71H104KT							
Mouser #:	863-SZ1SMB36CAT3G		3	\$0.419	\$1.26	3 Pending	Pending	-
Mfr. #:	SZ1SMB36CAT3G							
Desc.:	ESD Protection Diodes / TVS Diodes ESD Protection Diodes / TVS Diodes 36V 600W BI-DIR SZ1SMB AEC-Q101							
Estimated Tariff				\$0.042	\$0.13			
Mouser #:	634-SI8635BC-B-IS1		5	\$3.39	\$16.95	5 Pending	Pending	-
Mfr. #:	SI8635BC-B-IS1							
Desc.:	Digital Isolators Digital Isolators 3.75 kV 3-channel digital isolator							

Product Detail		Customer #	Order Qty.	Price (USD)	Ext. (USD)	Status	Date	Invoice #
Mouser #:	<u>581-08051C104K4</u>		30	\$0.113	\$3.39	30 Pending	Pending	_
Mfr. #:	08051C104K4T2A			40.1.10	ψ0.00	oo r on annig	. onanig	
Desc.:	Multilayer Ceramic Capacitors MLCC - SMD/SMT Multilayer Ceramic Capacitors MLCC - SMD/SMT KAM21KR72A104KU NW G LOB PN 100V 0.1uF X7 A 581- KAM21KR72A104KU							
Mouser #:	630-HCNR201-500E		4	\$4.66	\$18.64	4 Pending	Pending	_
Mfr. #:	HCNR201-500E		,	ψ1.00	Ψ10.01	ar i shanig	ronang	
Desc.:	High Linearity Optocouplers High Linearity Optocouplers 1 Ch 60mW 25mA							
Mouser #:	74-293D106X9010B2TE3		20	\$0.178	\$3.56	20 Pending	Pending	-
Mfr. #:	293D106X9010B2TE3							
Desc.:	Tantalum Capacitors - Solid SMD Tantalum Capacitors - Solid SMD 10uF 10volts 10% B case Molded							
Estimated Tariff				\$0.018	\$0.36			
Mouser #:	710-662108145021		3	\$2.38	\$7.14	3 Pending	Pending	-
Mfr. #:	662108145021							
Desc.:	Headers & Wire Housings Headers & Wire Housings WR-MPC3 3.0mm Male 8Pin Single Angled							
Mouser#:	<u>710-66201221022</u>		4	\$0.81	\$3.24	4 Pending	Pending	-
Mfr. #:	66201221022							
Desc.:	Headers & Wire Housings Headers & Wire Housings WR-MPC3 3mmMale Angd 12Pin DualRw PlstPgs							
Mouser #:	710-662104145021		2	\$2.07	\$4.14	2 Pending	Pending	-
Mfr. #:	662104145021							
Desc.:	Headers & Wire Housings Headers & Wire Housings WR-MPC3 3.0mm Male 4Pin Single Angled							
Mouser #:	71-CRCW0805-80.6K-E3		20	\$0.023	\$0.46	20 Pending	Pending	-
Mfr. #: Desc.:	CRCW080580K6FKEA Thick Film Resistors - SMD Thick Film Resistors - SMD 1/8watt 80.6Kohms 1% 100ppm							
Mouser #:	603-RC0805FR-071KL		20	\$0.011	\$0.22	20 Pending	Pending	-
Mfr. #:	RC0805FR-071KL							
Desc.:	Thick Film Resistors - SMD Thick Film Resistors - SMD 1 kOhms 125 mW 0805 1%							
Mouser #:	71-CRCW0805-10K-E3		20	\$0.023	\$0.46	20 Pending	Pending	-
Mfr. #:	CRCW080510K0FKEA							
Desc.:	Thick Film Resistors - SMD Thick Film Resistors - SMD 1/8watt 10Kohms 1% 100ppm							

/25, 10:58 AM			Order Details - 34891577 - Mouser							
Product Detail		Customer #	Order Qty.	Price (USD)	Ext. (USD)	Status	Date	Invoice #		
Mouser #:	71-CRCW0805-49.9-E3		20	\$0.023	\$0.46	20 Pending	Pending	-		
Mfr. #:	CRCW080549R9FKEA			,	, , , , , , , , , , , , , , , , , , , ,	3	3			
Desc.:	Thick Film Resistors - SMD Thick Film Resistors - SMD 1/8watt 49.9ohms 1%									
	100ppm									
Mouser #:	71-CRCW1206-300-E3		10	\$0.027	\$0.27	10 Pending	Pending	-		
Mfr. #:	CRCW1206300RFKEA									
Desc.:	Thick Film Resistors - SMD Thick Film									
	Resistors - SMD 1/4watt 300ohms 1%									
Mouser #:	926-LM358AN/NOPB		10	\$0.44	\$4.40	10 Pending	Pending	-		
Mfr. #:	LM358AN/NOPB									
Desc.:	Operational Amplifiers - Op Amps									
	Operational Amplifiers - Op Amps LOW									
	PWR DUAL OP AMP									
Mouser #:	306-A05KR05KR26E51A		1	\$0.919	\$0.92	1 Pending	Pending	-		
Mfr. #:	A05KR05KR26E51A					Ŭ	J			
Desc.:	Rectangular Cable Assemblies Rectangular Cable Assemblies 2" KR									
	JUMPER ASSY 1:1									
Mouser #:	726-IKCM30F60GDXKMA1		1	\$17.04	\$17.04	1 Pending	Pending	-		
Mfr. #:	IKCM30F60GDXKMA1									
Desc.:	Motor / Motion / Ignition Controllers &									
	Drivers Motor / Motion / Ignition									
	Controllers & Drivers CIPOS MINI									
Mouser #:	660-RK73B2ATTD220J		10	\$0.014	\$0.14	10 Pending	Pending	_		
Mfr. #:	RK73B2ATTD220J			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	7 5 7 7	,				
	Thick Film Resistors - SMD Thick Film									
Desc.:	Resistors - SMD 1/4watts 22ohms 5%									
Mouses #-	505 TI V4702AIDOVD		1	¢1 11	¢4 44	1 Danding	Danding			
Mouser #:	595-TLV1702AIDGKR		1	\$1.44	\$1.44	1 Pending	Pending	-		
Mfr. #:	TLV1702AIDGKR									
Desc.:	Analog Comparators Analog									
	Comparators Dual 2.2V to 36V mic roPwr Comparator A 595-									
	TLV1702AIDGK									
Estimated Tariff				\$0.144	\$0.14					
Mouser #:	580-NKE0305SC		1	\$7.53	\$7.53	1 Pending	Pending	-		
Mfr. #:	NKE0305SC									
Desc.:	Isolated DC/DC Converters - Through									
	Hole Isolated DC/DC Converters -									
	Through Hole 1W 3.3-5V SIP SINGLE									
	DC/DC									
Estimated Tariff				\$0.753	\$0.75					
				,	, •					
Mouser #:	187-CL31B104KBCNNNL		10	\$0.068	\$0.68	10 Pending	Pending	-		
Mfr. #:	CL31B104KBCNNNL		-			9	9			
Desc.:	Multilayer Ceramic Capacitors MLCC - SMD/SMT Multilayer Ceramic									
	Capacitors MLCC - SMD/SMT									
	100nF+/-10% 50V X7R 1206									

Product Detail		Customer #	Order Qty.	Price (USD)	Ext. (USD)	Status	Date	Invoice #
Mouser #:	833-2N7002-TP		3	\$0.118	\$0.35	3 Pending	Pending	-
Mfr. #:	2N7002-TP							
Desc.:	MOSFETs MOSFETs 60V, 115mA							
Estimated Tariff				\$0.012	\$0.04			
Mouser #:	80-T495X476M35ATE200		10	\$1.66	\$16.60	10 Pending	Pending	-
Mfr. #:	T495X476M035ATE200							
Desc.:	Tantalum Capacitors - Solid SMD Tantalum Capacitors - Solid SMD 35V 47uF 2917 20% ESR=200mOhms							

THIS ORDER IS SUBJECT TO ALL TERMS AND CONDITIONS DISPLAYED AT: www.mouser.com/saleterms/

MERCHANDISE TOTAL: \$110.44
ESTIMATED TARIFF: \$1.42
ORDER TOTAL: \$120.75

From: <u>Mackenzie Miller</u>
To: <u>ECEN Business Office</u>

Cc:Rader, Aidan D; Regan, Ryan; Andrew NguyenSubject:Re: ECEN-404-903 VFD Motor ControllerDate:Tuesday, February 11, 2025 10:29:10 AM

Attachments: <u>image001.png</u>

Howdy!

I believe that an incorrect link of our cart was sent to you. I apologize for the mix up; the correct one is attached to this email.

https://www.mouser.com/ProjectManager/ProjectDetail.aspx?AccessID=6a1e7b36a2

Thank you, Mackenzie Miller Texas A&M University Electrical Engineering '25

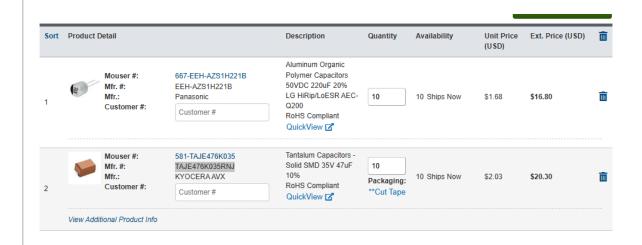
Phone: 605-415-2029 UIN: 631001253

On Tue, Feb 11, 2025 at 10:18 ECEN Business Office < <u>ecen-business@tamu.edu</u>> wrote:

Aidan,

Good morning! Please advise if the order is correct as the spreadsheet and cart do not match. Items 1 & 2 from your cart are not listed on the spreadsheet. This would be parts EEH-AZS1H221B & TAJE476K035RNJ.

https://www.mouser.com/ProjectManager/ProjectDetail.aspx?AccessID=2869a2018e



Thank you,

Toye

Toye Walther | Business Coordinator II | Engineering Business Services

Electrical & Computer Engineering, College of Engineering | Texas A&M University

301Q Wisenbaker Engineering Building

3128 TAMU College Station, TX 77843-3128

In-Office: Monday to Wednesday, Friday Remote: Thursday

979.845.3582 | Available on Teams | toyewalther@tamu.edu

Payroll/Tuition/HR: elen-payroll@tamu.edu

<u>Purchases: ecen-business@tamu.edu</u>

Invoices/Reimbursements: ecen-accountspayable@tamu.edu

TEXAS A&M ENGINEERING | Transforming Engineering Education https://engineering.tamu.edu

From: Aidan Rader <aidandrader@tamu.edu>
Sent: Monday, February 10, 2025 6:56 PM

To: ECEN Business Office < <u>ecen-business@tamu.edu</u>>

Cc: Miller, Mackenzie <<u>mackenziemiller@tamu.edu</u>>; Andrew Nguyen <<u>nguyen1wan@email.tamu.edu</u>>; Regan, Ryan <<u>rvan13516@tamu.edu</u>>

Subject: ECEN-404-903 VFD Motor Controller

Howdy,

I have included below the information to order parts. Please let me know if you need anything else to complete the order.

Mouser Cart: https://www.mouser.com/ProjectManager/ProjectDetail.aspx? AccessID=98d505d97e

Thank you,

--

Aidan Rader '25

Texas A&M University

Electrical Engineering

UIN: 631002772

Part Number	Name	Order#	Item #	Notes	Quantity	\$/unit	Actual (\$) Receipt	Vendor Link	Delivery Date	Subsystem	Block Diagram
After Current Order							991.17				
Before Current Order							871.54				
Current Order							119.63				
SI8635BC-B-IS1	digital to analog		4		5	3.39		mouser		Mackenzie	optoelectronics
08051C104K4T2A	0.1uF cap		4		30	.124 for 10	3.72	mouser		Mackenzie	optoelectronics
HCNR201-500E	Photovoltaic Isolator		4		4	5.12	20.48	mouser		Mackenzie	optoelectronics
293D106X9010B2TE3	10uF cap		4		20	.196 for 10	3.92	mouser		Mackenzie	optoelectronics
662108145021	8 pin connector		4	keep with mackenzie, 1 for Aidan	3	2.62	7.86	mouser		Mackenzie, Aidan	optoelectronics
66201221022	12 pin connector		4	keep with mackenzie, 1 for Aidan	4	0.89	3.56	mouser		Mackenzie, Aidan	optoelectronics
662104145021	4 pin connector		4	keep with mackenzie, 1 for Aidan	2	2.27	4.54	mouser		Mackenzie, Aidan	optoelectronics
CRCW080580K6FKEA	80.6k resistor		4		20	.025 for 10	0.50	mouser		Mackenzie	optoelectronics
RC0805FR-071KL	1k resistor		4		20	.012 for 10	0.24	mouser		Mackenzie	optoelectronics
CRCW080510K0FKEA	10k resistor		4		20	.025 for 10	0.50	mouser		Mackenzie	optoelectronics
CRCW080549R9FKEA	49.9 resistor		4		20	.025 for 10	0.50	mouser		Mackenzie	optoelectronics
CRCW1206300RFKEA	300 resistor		4		10	.03 for 10	0.30	mouser		Mackenzie	optoelectronics
LM358AN/NOPB	op amp		4		10	.483 for 10		mouser		Mackenzie	optoelectronics
08055C104KAZ2A	capacitor 0.1uF		4		10	0.126	1.26	mouser		Andrew	MCU
SZ1SMB36CAT3G	TVS diode		4		3	0.46		mouser		Andrew	MCU
A05KR05KR26E51A	5 pin connector		4		1	1.01		mouser		Andrew	MCU
IKCM30F60GDXKMA1	power control		4		1	18.73		mouser		Aidan	power control
CL31B104KBCNNNL	0.1 μF capacitor		4		10	.075 for 10		mouser		Aidan	dc link, power control
RK73B2ATTD220J	22 Ω resistor		4		10	.015 for 10		mouser		Aidan	power control
TLV1702AIDGKR	op amp 2		4		1	1.58		mouser		Aidan	power control
NKE0305SC	3.3/iso5, converter		4		1	8.28	8.28	mouser		Aidan	power control
T495X476M035ATE200	47 μF capacitor		4		10			mouser		Aidan	power control
2N7002-TP	mosfet		4		3	0.13		mouser		Aidan	Relay
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Re: ECEN-404-903 VFD Motor Controller

1 message

Lusher II, John David <john.lusher@tamu.edu>

Mon, Feb 10, 2025 at 4:33 PM

To: "Rader, Aidan D" <aidandrader@tamu.edu>

Cc: "Miller, Mackenzie" <mackenziemiller@tamu.edu>, Andrew Nguyen <nguyen1wan@email.tamu.edu>, "Regan, Ryan" <ryan13516@tamu.edu>

Approved.

From: Aidan Rader <aidandrader@tamu.edu> Sent: Monday, February 10, 2025 4:25 PM

To: Lusher II, John David <john.lusher@tamu.edu>

Cc: Miller, Mackenzie <mackenziemiller@tamu.edu>; Andrew Nguyen <nguyen1wan@email.tamu.edu>; Regan,

Ryan <ryan13516@tamu.edu>

Subject: ECEN-404-903 VFD Motor Controller

Howdy Professor,

I have included below the information to order parts. Please let me know if you need anything else to approve the order.

--

Aidan Rader '25

Texas A&M University Electrical Engineering UIN: 631002772