

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 #:

Customer#

Web Order #: 35409347

Customer Name Kathy Brewer

Order Date: 03-Apr-25

Billing Address

Texas AM University Electrical Computer Eng **ECEN Business Office**

3128 TAMU

College Station, TX 77843-3128

United States

Shipping Address

Texas A&M ECEN Aidan Rader (Capstone) 188 Bizzell Street 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 ②

Product Detail		Customer #	Order Qty.	Price (USD)	Ext. (USD)	Status	Date	Invoice #
Mouser #: Mfr. #: Desc.:	71-CRCW0805-10K-E3 CRCW080510K0FKEA Thick Film Resistors - SMD Thick Film Resistors - SMD 1/8watt 10Kohms 1% 100ppm		20	\$0.038	\$0.76	20 Pending	Pending	-
Mouser #: Mfr. #: Desc.:	926-LM358AN/NOPB LM358AN/NOPB Operational Amplifiers - Op Amps Operational Amplifiers - Op Amps LOW PWR DUAL OP AMP		10	\$0.504	\$5.04	10 Pending	Pending	-
Mouser #: Mfr. #: Desc.:	634-SI8635BC-B-IS1 SI8635BC-B-IS1 Digital Isolators Digital Isolators 3.75 kV 3-channel digital isolator		2	\$4.20	\$8.40	2 Pending	Pending	-
Mouser #: Mfr. #: Desc.:	630-HCNR201-500E HCNR201-500E High Linearity Optocouplers High Linearity Optocouplers 1 Ch 60mW 25mA		3	\$4.97	\$14.91	3 Pending	Pending	-

0,2	5, 1.06 PW			·	order Details - 354	OUD-1 WOUDCI			
	Product Detail		Customer #	Order Qty.	Price (USD)	Ext. (USD)	Status	Date	Invoice #
		740 000400445004		0	Ф0.00	Φ7.44	O.D. a. Para	D P	
	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							
	"	740 0000 400 4000			AO 04	AO 40	0.5	ъ. "	
	Mouser #:	710-66201221022		3	\$0.81	\$2.43	3 Pending	Pending	-
	Mfr. #:	66201221022							
	Desc.:	Headers & Wire Housings Headers & Wire Housings WR-MPC3 3mmMale							
		Angd 12Pin DualRw PlstPgs							
	Mouser #:	512-KSP2907ACTA		10	\$0.172	\$1.72	10 Pending	Pending	_
	Mfr. #:	KSP2907ACTA		10	ψ0.172	Ψ2	10 1 Griding	r snamg	
	Desc.:	Bipolar Transistors - BJT Bipolar							
	2000	Transistors - BJT PNP Si Transistor							
		Epitaxial							
	Estimated Tariff				\$0.017	\$0.17			
	_ommuted fallif				ψυ.υ 17	ψ5.17			
	Mouser #:	71-CRCW0805-80.6K-E3		20	\$0.023	\$0.46	20 Pending	Pending	-
	Mfr. #:	CRCW080580K6FKEA							
	Desc.:	Thick Film Resistors - SMD Thick Film							
		Resistors - SMD 1/8watt 80.6Kohms							
		1% 100ppm							
	Mouser #:	603-RC0805FR-071KL		10	\$0.011	\$0.11	10 Pending	Pending	-
	Mfr. #:	RC0805FR-071KL							
	Desc.:	Thick Film Resistors - SMD Thick Film							
		Resistors - SMD 1 kOhms 125 mW 0805 1%							
	Marran	00.000050404450		20	#0.000	ФО ОО	00 D	Dan die e	
	Mouser #:	80-C0805C101K5G		20	\$0.033	\$0.66	20 Pending	Pending	-
	Mfr. #:	C0805C101K5GACTU							
	Desc.:	Multilayer Ceramic Capacitors MLCC - SMD/SMT Multilayer Ceramic							
		Capacitors MLCC - SMD/SMT 50V							
		100pF C0G 0805 10%							
	Mouser #:	<u>581-08051C104K4</u>		30	\$0.123	\$3.69	30 Pending	Pending	-
	Mfr. #:	08051C104K4T2A							
	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 #:	74-293D106X9010B2TE3		20	\$0.325	\$6.50	20 Pending	Pending	-
	Mfr. #:	293D106X9010B2TE3							
	Desc.:	Tantalum Capacitors - Solid SMD Tantalum Capacitors - Solid SMD 10uF							
		10volts 10% B case Molded							
						46.5-			
	Estimated Tariff				\$0.033	\$0.66			
	Mouser #:	71-CRCW0805-49.9-E3		20	\$0.026	\$0.52	20 Pending	Pending	-
	Mfr. #:	CRCW080549R9FKEA		-	,	, 2	-	-	
	Desc.:	Thick Film Resistors - SMD Thick Film							
		Resistors - SMD 1/8watt 49.9ohms 1%							
		100ppm							
		count/ordors/dotail?as=0C%?fviDbv/M3Yb7\/v	1110/05050/0501		01/ 1/000/010				

	Order Details - 35409547 - Mousel								
Customer #	Order Qty.	Price (USD)	Ext. (USD)	Status	Date	Invoice #			
	10	\$0.034	\$0.34	10 Pending	Pending	-			
	20	\$0.034 \$0.01	\$0.68 \$0.20	20 Pending	Pending	-			
	1	\$18.71	\$18.71	1 Pending	Pending	-			
	10	\$0.085 \$0.009	\$0.85 \$0.09	10 Pending	Pending	-			
	Customer #	20	10 \$0.034 20 \$0.034 \$0.01 1 \$18.71	10 \$0.034 \$0.34 20 \$0.034 \$0.68 \$0.01 \$0.20 1 \$18.71 \$18.71	10 \$0.034 \$0.34 10 Pending 20 \$0.034 \$0.68 20 Pending \$0.01 \$0.20 1 \$18.71 \$18.71 1 Pending 10 \$0.085 \$0.85 10 Pending	\$0.034 \$0.34 \$0.34 10 Pending Pending 20 \$0.034 \$0.68 20 Pending Pending \$0.01 \$0.20 1 \$18.71 \$18.71 1 Pending Pending 10 \$0.085 \$0.85 10 Pending Pending			

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

MERCHANDISE TOTAL: \$72.92 ESTIMATED TARIFF: \$1.12 ORDER TOTAL: \$82.03



Re: ECEN-404-903 VFD Motor Controller #70

Lusher II, John David <john.lusher@tamu.edu>
To: "Rader, Aidan D" <aidandrader@tamu.edu>

Wed, Apr 2, 2025 at 10:02 PM

Approved.

On Apr 2, 2025, at 9:06 PM, Aidan Rader <aidandrader@tamu.edu> wrote:

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 <Budget (7).pdf>

Part Number	Name	Order#	Item #	Notes	Quantity	\$/unit	Actual (\$)	Receipt	Vendor Link	Delivery Date	Subsystem	Block Diagram
After Current Order							1164.08					
Before Current Order							1085.84					
Current Order							78.25					
08051C104K4T2A	0.1uF cap	7			20	.123 for 10			mouser		Mackenzie	
CRCW080510K0FKEA	10k resistor	7			20				mouser		Mackenzie	
LM358AN/NOPB	op amp	7			10				mouser		Mackenzie	
SI8635BC-B-IS1	digital to analog	7			2				mouser		Mackenzie	
HCNR201-500E	Photovoltaic Isolator	7			3				mouser		Mackenzie	
662108145021	8 pin connector	7			3				mouser		Mackenzie	
66201221022	12 pin connector	7			3	0.892			mouser		Mackenzie	
KSP2907ACTA	transistor - pnp	7			10				mouser		Mackenzie	
CRCW080580K6FKEA	80.6k resistor	7			20				mouser		Mackenzie	
RC0805FR-071KL	1k resistor	7			10				mouser		Mackenzie	
C0805C101K5GACTU	100pF cap	7			20				mouser		Mackenzie	
08051C104K4T2A	0.1uF cap	7			30				mouser		Mackenzie	
293D106X9010B2TE3	10uF cap	7				0.206 for 10			mouser		Mackenzie	
CRCW080510K0FKEA	10k resistor	7			20				mouser		Mackenzie	
CRCW080549R9FKEA	49.9 resistor	7			20				mouser		Mackenzie	
CRCW1206300RFKEA	300 resistor	7			10				mouser		Mackenzie	
1N4148W-7-F	diodes	7			20				mouser		Mackenzie, Aidan	optoelectronics, dc link
GUO40-12NO1	rectifier	7			1				mouser		Aidan	rectifier
2N7002-TP	mosfet	7			10				mouser		Aidan	relay
SFH11-PBPC-D10-ST-BK	20 pin connector	7			2				digikey		Drew	relay
311111 BI C BIO 31 BK	20 pin connector	· ·				1.03	2.00		digitey		Diew	

From: <u>Aidan Rader</u>

To: <u>ECEN Business Office</u>

Subject: ECEN-404-903 VFD Motor Controller #70

Date: Thursday, April 3, 2025 12:19:00 AM

Attachments: <u>budget order7.pdf</u>

professor approval order7.pdf

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? https://www.mouser.com/ProjectManager/ProjectDetail.aspx? https://www.mouser.com/ProjectManager/ProjectDetail.aspx? https://www.mouser.com/ProjectManager/ProjectDetail.aspx?

Digikey Cart: https://www.digikey.com/short/tqv77q2r

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Aidan Rader '25

Texas A&M University Electrical Engineering

UIN: 631002772