

Invoice

Page: 1 of 1
Run Date: 2023-08-18
Run Time: 15:16:34

Business Unit: COLUM
Voucher Number: 05989779
Voucher Style: REG
Vendor: 0000083007
Vendor Location: CHK-01
 TSMC NORTH AMERICA
 TSMC NORTH-001
 4893 COLLECTIONS CENTER DRIVE

Invoice Number: UB04230704VS
Invoice Date: 2023-07-07
Miscellaneous: 0
Freight: 0
VAT: 0
Sales Tax: 0
Invoice Total: 9527
Currency: USD
Use Tax: 0
VAT Not on Invoice: 0

Payment Terms: CHICAGO, IL 60693
Control Group: 00

Related Voucher Number:
Lease Number:

Voucher Line Information

<u>Line</u>	<u>Item</u>	<u>Description</u>	<u>Qty</u>	<u>Unit Price</u>	<u>UOM</u>	<u>Amt</u>	<u>Distribution Information</u>						
1		Mask Set & Pilot Wafer Lot: 0.	1	9527	LO	9527	<u>Distrib#</u>	<u>Acct</u>	<u>Project</u>	<u>Activity</u>	<u>Segment</u>	<u>Initiative</u>	<u>Amt</u>
							1	68100	GG012664	01	KLS30	60908	9527



TSMC North America
2851 Junction Avenue,
San Jose, CA 95134,
USA
TEL: 1-408-382-8000

FAX: 1-408-382-8008

INVOICE

INVOICE NO.

UB04230704VS

INVOICE DATE

07/07/2023

(Security C -TSMC Internal)

SHIP TO :

Columbia University
No delivery

USA
ATTN: Mr. Ken Shepard
TEL :
FAX :
Dest. Broker:

PAYMENT TERMS: Net 30 days after invoicing

DELIVERY TERMS: EXW-TSMC

BILL TO :

Trustees Of Columbia University
PROFESSOR KEN SHEPARD-KS1191
530 West 120th Street, FL 10 RM/STE 1001
New York, NY10027
USA

ATTN: Kenneth Shepard

SHIP VIA:

ORIGIN: TAIWAN

RECEIVED
7/10/23

ITEM	CUSTOMER ORDER/PRODUCT	TSMC SALES ORDER/PRODUCT/DESCRIPTION	UNIT PRICE/UNIT	QUANTITY	AMOUNT
1	PO:COLUM-0000220324 WF Bumping fee	Additional Process Charge UB0423050709 ADDL PROC CHARGE lot#N60V19, wf#1, 2,6,7,8 NTO Bump NRE	234.00/PCS	5.00	1170.00
2	PO:COLUM-0000220324 Bump NRE covers 020A	UB0423050494 TMPT08 BUMP NRE Bump NRE covers 020A mask	8357.00/PC	1.00	8357.00

GRAND TOTAL

USD

9527.00

THANK YOU FOR YOUR ORDER.

TOTAL AMOUNT DUE:

USD

9527.00

Payment please wire to:

Bank of America
1850 Gateway Blvd, Concord, CA 94520
USA
ABA: 026009593
Account Name: TSMC North America
Account No.: 1233005515

Check please pay to:

TSMC North America
4893 Collections Center Drive, Chicago, IL 60693 USA

FOR INVOICE DETAIL, PLEASE CONTACT Sofia Lee

Shipped from:

tsmc Hsinchu
6, Creation Rd. II,
Hsinchu Science Park,
Hsinchu 300-77, Taiwan
Tel: Fax:



Purchase Order

Columbia University

615 West 131st Street
Studebaker Building
3rd Floor
New York NY 10027
United States

Supplier: 0000083007
TSMC NORTH AMERICA
4893 COLLECTIONS CENTER DRIVE
CHICAGO IL 60693

Dispatch via Print

Purchase Order	Date	Revision	Page
COLUM-0000251562	08/17/2023		1
Payment Terms	Freight Terms	Ship Via	
Net 30	FOB Destination	Common	
Requestor Email	Currency		
ep2170@columbia.edu	USD		
Requestor	Phone		
Eugene Profanato	212/854-3961		

Ship To: 1045070701
550 West 120th Street
Northwest Corner Building
FL 07
RM/STE 0701
New York NY 10027
United States

Attention: PROFESSOR KEN SHEPARD KS1068

Bill To: 530 West 120th Street
Schapiro Cepsr
FL 10
RM/STE 1001
New York NY 10027
United States

Tax Exempt? Y **Tax Exempt ID:** EXEMPT

Line-Sch	Item/Description	Quantity	UOM	PO Price	Extended Amt	Due Date
1- 1	Mask Set & Pilot Wafer Lot: 0.13 UM CMOS High Voltage Mixed Signal based Low Power BCD Triple Gate FSG CU 1P6M 39L SALICIDE NBL/PBL EPI 1.5/3.3/5/10/20/28/36/Vg1.5/3.3/5V - 12 inch *Per Quote UB04-2022-002*	1.00	LO	64,375.00	64,375.00	08/17/2023

Schedule Total 64,375.00

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THIS CO-02 IS TO ADD ADDITIONAL ITEMS AS LISTED BELOW BASED ON 2023 PRICING IN EFFECT

***1 EA FLIP- CHIP NRE \$8,357.00 EA \$ 8,357.00 EXT ***

***5 EA BUMPING CHARGES \$ 234.00 EA \$ 1,170.00 EXT ***

***4 EA BIN A \$ 797.00 EA \$ 3,188.00 EXT ***

***2 EA BIN D \$ 918.00 EA \$ 1,836.00 EXT ***

***1 EA BIN F \$ 2,476.00 EA \$ 2,476.00 EXT ***

***2 EA CLEAR G \$ 5,158.00 EA \$ 10,316.00 EXT ***

***4 EA 12" WAFERS \$ 3,703.20 EA \$ 14,812.80 EXT ***

*** TOTAL \$42,155.80 ***

*** TOTAL CO-02 \$42,155.80 + PO \$215,073.20 = TOTAL VALUE OF PO \$257,229 ***

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Item Total 64,375.00

***THIS IS A NEW PO FOR CLOSED PO. 0000220324-02 WITH A REMAINING BALANCE OF \$64,375.00 ***

***DO NOT ENTER / PROCESS / DUPLICATE SOW *** THIS PO IS FOR PAYMENT ONLY ***

***PLEASE SEND ALL INVOICES & QUESTIONS FOR THIS PO TO: CISE@COLUMBIA.EDU ***

***ITEMS ARE NEW CAPITAL COMPONENTS TO FAB0000044 NON TAGGABLE ***

*** KS1068 ***

Purchase Order to pay for the invoices listed below, plus any additional invoices for the balance of this PO only.

Pricing and specification only per invoices:

UB04230704VS, dated 07/07/2023 \$9,527.00 USD
UB0423060C6V, dated 06/21/2023 \$15134.00 USD
UB04230702FD, dated 07/04/2023 \$29625.60 USD

Authorized Signature



Purchase Order

Columbia University

615 West 131st Street
Studebaker Building
3rd Floor
New York NY 10027
United States

Supplier: 0000083007
TSMC NORTH AMERICA
4893 COLLECTIONS CENTER DRIVE
CHICAGO IL 60693

Dispatch via Print

Purchase Order	Date	Revision	Page
COLUM-0000251562	08/17/2023		2
Payment Terms	Freight Terms	Ship Via	
Net 30	FOB Destination	Common	
Requestor Email	Requestor		Currency
ep2170@columbia.edu	Eugene Profanato		USD
Requestor		Phone	
Eugene Profanato		212/854-3961	

Ship To: 1045070701
550 West 120th Street
Northwest Corner Building
FL 07
RM/STE 0701
New York NY 10027
United States

Attention: PROFESSOR KEN SHEPARD KS1068

Bill To: 530 West 120th Street
Schapiro Cepsr
FL 10
RM/STE 1001
New York NY 10027
United States

Tax Exempt? Y **Tax Exempt ID:** EXEMPT

Line-Sch	Item/Description	Quantity	UOM	PO Price	Extended Amt	Due Date
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Remaining balance after above invoices are paid = \$10,088.40 USD

No further purchases are authorized by this Purchase Order.

Total PO Amount

64,375.00

This Purchase Order is governed by Columbia University's Terms and Conditions located at:

Authorized Signature



Purchase Order

Dispatch via Print

Columbia University

615 West 131st Street
Studebaker Building
3rd Floor
New York NY 10027
United States

Supplier: 0000083007
TSMC NORTH AMERICA
4893 COLLECTIONS CENTER DRIVE
CHICAGO IL 60693

Purchase Order	Date	Revision	Page
COLUM-0000251562	08/17/2023		3
Payment Terms	Freight Terms	Ship Via	
Net 30	FOB Destination	Common	
Requestor Email		Currency	
ep2170@columbia.edu		USD	
Requestor		Phone	
Eugene Profanato		212/854-3961	

Ship To: 1045070701
550 West 120th Street
Northwest Corner Building
FL 07
RM/STE 0701
New York NY 10027
United States

Attention: PROFESSOR KEN SHEPARD KS1068

Bill To: 530 West 120th Street
Schapiro Cepsr
FL 10
RM/STE 1001
New York NY 10027
United States

Tax Exempt? Y **Tax Exempt ID:** EXEMPT

Line-Sch	Item/Description	Quantity	UOM	PO Price	Extended Amt	Due Date
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<https://www.finance.columbia.edu/sites/default/files/content/Finance%20Documents/Buying%20and%20Payin%20g/Purchasing/Purchase%20Order%20Terms%20and%20Conditions.pdf>

These terms and Conditions supersede any other contract terms unless expressly agreed to in writing by both parties.

Authorized Signature



Mona Anis Saleh Naser <man2175@columbia.edu>

Re: Request To Approve Vouchers

1 message

Elizabeth W. Demissie <ewd3@columbia.edu>

Fri, Aug 18, 2023 at 4:23 PM

To: Mona Naser <man2175@columbia.edu>

Cc: Michelle Ashley Capuno <mec2263@columbia.edu>, Jennifer Guzman Pichardo <jg3923@columbia.edu>, Salsabeel Hamud Al-Silwi <sha2137@barnard.edu>, Josette Marie Content <jmc2422@columbia.edu>, Anais Fotsing <apf2149@barnard.edu>, Mariam A Naser <man2182@barnard.edu>, Quan Ha <qh2254@barnard.edu>, Mariam Sikiru <mas2584@barnard.edu>

These vouchers are approved in ARC

05989779

05989739

05989735

05989572

05981799

05980499

These are approved and it required Will's /SEAS approval

05989760 (Attached)

05989773 (Attached)

05975101 (Attached)

Thanks,

Liz

On Fri, Aug 18, 2023 at 3:55 PM Mona Naser <man2175@columbia.edu> wrote:

Hi Liz,

Can you please review and approve the following vouchers? They have all been budget checked.

05989760 (Attached)

05989773 (Attached)

05975101 (Attached)

05989779

05989739

05989735

05989572

05981799

05980499

Thank you!

Best,

Mona

Mona Naser

Financial Analyst

Columbia University | [Columbia Nano Initiative](#)[530 West 120th Street](#), 1001 Schapiro/CEPSR, New York, NY 10027(212) 853 - 4379 | man2175@columbia.edu

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Elizabeth Demissie

Grants and Contracts Manager

Columbia University

8/18/23, 4:24 PM

LionMail Mail - Re: Request To Approve Vouchers

Cepsr/Schapiro Rm 1001

[530 W 120th St](#)

[New York, NY 10027](#)

Tel: 212-854-1910 Fax: 212-854-1909

Email: ewd3@columbia.edu

3 attachments



V05975101 ANSYS 52000026.pdf

263K



V05989760 TSMC KS1191 (1).pdf

244K



V05989773 TSMC KS1191 (1).pdf

248K