# UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

# **SCHEDULE 13G**

(Amendment No. )\*

**Under the Securities Exchange Act of 1934** 

AMCI Acquisition Corp. II
(Name of Issuer)
Class A common stock, par value \$0.0001 per share
(Title of Class of Securities)
00165R101
(CUSIP Number)
August 6, 2021
(Date of Event Which Requires Filing of this Statement)
Check the appropriate box to designate the rule pursuant to which this Schedule is filed:  Rule 13d-1(b)
⊠ Rule 13d-1(c)  □ Rule 13d-1(d)
□ Rule 13d-1(d)
* The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.
The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, <i>see</i> the <i>Notes</i> ).

1	NAME OF REPORTING PERSONS.  I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY).						
_	Apollo Atlas Mas	ster Fund	, LLC				
	CHECK THE AP	PROPR	ATE BOX IF A MEMBER OF A GROUP (See Instructions)				
2				(a) □			
_	SEC USE ONLY						
3	SEC USE ONLY						
4	CITIZENSHIP OR PLACE OF ORGANIZATION						
	Cayman Islands						
		5	SOLE VOTING POWER				
		•					
			0 shares				
MITIMO	ER OF SHARES	6	SHARED VOTING POWER				
BEN	NEFICIALLY		23,166 shares				
	ED BY EACH RTING PERSON	7	SOLE DISPOSITIVE POWER				
	WITH:	/	0 shares				
			SHARED DISPOSITIVE POWER				
		8	SIMILE DISTOSITIVE TOWER				
			23,166 shares				
9	AGGREGATE A	MOUNT	BENEFICIALLY OWNED BY EACH REPORTING PERSON				
	23,166 shares	3,166 shares					
10	CHECK BOX IF	THE AC	GGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (See Instructions)	$\boxtimes$			
11	PERCENT OF C	LASS RI	EPRESENTED BY AMOUNT IN ROW (9)				
	0.2%						
12	TYPE OF REPO	RTING F	PERSON (See Instructions)				
	00						

1	NAME OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY).								
_	Apollo Atlas Mai	Apollo Atlas Management, LLC							
	CHECK THE AF	PROPR	IATE BOX IF A MEMBER OF A GROUP (See Instructions)						
2				(a) 🗆					
_	SEC USE ONLY								
3	SEC USE ONLY	SEC USE ONLY							
4	CITIZENSHIP O	CITIZENSHIP OR PLACE OF ORGANIZATION							
_	Delaware								
		5	SOLE VOTING POWER						
		<b>J</b>	0 shares						
		6	SHARED VOTING POWER						
BEN	ER OF SHARES NEFICIALLY IED BY EACH	)	23,166 shares						
	RTING PERSON	7	SOLE DISPOSITIVE POWER						
	WITH:	_	0 shares						
		8	SHARED DISPOSITIVE POWER						
			23,166 shares						
9	AGGREGATE A	MOUNT	BENEFICIALLY OWNED BY EACH REPORTING PERSON						
9	23,166 shares								
10	CHECK BOX IF	THE AC	GGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (See Instructions)	$\boxtimes$					
11	PERCENT OF C	LASS RI	EPRESENTED BY AMOUNT IN ROW (9)						
	0.2%								
12	TYPE OF REPO	RTING F	PERSON (See Instructions)						
	00								

1	NAME OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY).								
_	Apollo PPF Cred	Apollo PPF Credit Strategies, LLC CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions)							
	CHECK THE A	PPROPR	IATE BOX IF A MEMBER OF A GROUP (See Instructions)						
2				(a) 🗆					
_									
3	SEC USE ONLY	SEC USE ONLY							
4	CITIZENSHIP C	R PLAC	E OF ORGANIZATION						
_	Delaware								
		5	SOLE VOTING POWER						
		<b>J</b>							
			0 shares						
NITIMD	ER OF SHARES	6	SHARED VOTING POWER						
BEN	NEFICIALLY		58,955 shares						
	IED BY EACH RTING PERSON	7	SOLE DISPOSITIVE POWER						
	WITH:		0 shares						
		8	SHARED DISPOSITIVE POWER						
			58,955 shares						
9	AGGREGATE A	MOUNT	BENEFICIALLY OWNED BY EACH REPORTING PERSON						
9	58,955 shares								
10	CHECK BOX IF	THE AC	GGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (See Instructions)	X					
11	PERCENT OF C	LASS R	EPRESENTED BY AMOUNT IN ROW (9)						
	0.4%								
12	TYPE OF REPO	RTING I	PERSON (See Instructions)						
	<b></b>   00								

1	NAME OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY).						
_	Apollo Credit Str	ategies M	Master Fund Ltd.				
	CHECK THE AP	PROPRI	ATE BOX IF A MEMBER OF A GROUP (See Instructions)				
2				(a) □			
	SEC LISE ONLY						
3	SEC USE ONLY						
4	CITIZENSHIP O	R PLAC	E OF ORGANIZATION				
	Cayman Islands						
	Cayman Islands	_	SOLE VOTING POWER				
		5					
			0 shares				
		6	SHARED VOTING POWER				
BEI	ER OF SHARES NEFICIALLY IED BY EACH	)	467,477 shares				
	RTING PERSON	7	SOLE DISPOSITIVE POWER				
	WITH:	-	0 shares				
		8	SHARED DISPOSITIVE POWER				
			467,477 shares				
9	AGGREGATE A	MOUNT	BENEFICIALLY OWNED BY EACH REPORTING PERSON				
	467,477 shares						
10	CHECK BOX IF	THE AC	GGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (See Instructions)	$\boxtimes$			
11	PERCENT OF C	LASS RI	EPRESENTED BY AMOUNT IN ROW (9)				
	3.1%						
<b>12</b>		RTING P	PERSON (See Instructions)				
	CO						

1	NAME OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY).						
_	Apollo ST Fund	Managem	nent LLC				
	CHECK THE AR	PPROPRI	ATE BOX IF A MEMBER OF A GROUP (See Instructions)				
2				(a) □			
_		(b) □					
3	SEC USE ONLY						
4	CITIZENSHIP C	R PLAC	E OF ORGANIZATION				
_	Delaware	elaware					
		5	SOLE VOTING POWER				
			0 shares				
NILIMIDI	ER OF SHARES	6	SHARED VOTING POWER				
BEN	EFICIALLY		467,477 shares				
	ED BY EACH TING PERSON	7	SOLE DISPOSITIVE POWER				
	WITH:		0 shares				
		8	SHARED DISPOSITIVE POWER				
			467,477 shares				
9	AGGREGATE	AMOUN	NT BENEFICIALLY OWNED BY EACH REPORTING PERSON				
J	467,477 shares						
10	CHECK BOX	IF THE A	AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (See Instructions)		X		
11	PERCENT OF	CLASS	REPRESENTED BY AMOUNT IN ROW (9)				
	3.1%						
12	TYPE OF REP	ORTING	PERSON (See Instructions)				
	00						

	NAME OF REPORTING PERSONS.  I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY).						
1	I.R.S. IDENTIFI	CATION	NOS. OF ABOVE PERSONS (ENTITIES ONLY).				
	Apollo ST Opera	iting LP					
	CHECK THE AI	PPROPRI	ATE BOX IF A MEMBER OF A GROUP (See Instructions)		_		
3				(a) □			
2				(a) 🗀			
3	SEC USE ONLY	,					
3							
1	CITIZENSHIP C	OR PLAC	E OF ORGANIZATION				
4	Deleter						
	Delaware	1	COLE MOTING BOLUTE				
		5	SOLE VOTING POWER				
			0 shares				
		6	SHARED VOTING POWER				
	ER OF SHARES NEFICIALLY	U	467,477 shares				
OWN	IED BY EACH		SOLE DISPOSITIVE POWER				
REPOI	RTING PERSON WITH:	7	SOLE BIOLOGITIVE LOWER				
	**1111.		0 shares				
		8	SHARED DISPOSITIVE POWER				
		U	467,477 shares				
	AGGREGATE A	MOUNT	I BENEFICIALLY OWNED BY EACH REPORTING PERSON		_		
9	465 455 1						
	467,477 shares	THE AC	ACCIDENTE ALVOLUNT IN POLICION FUCI LIBER CERTAIN SHAPES (C. J				
<b>10</b>	CHECK BOX IF	THE AC	GGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (See Instructions)	<u> </u>	≺		
11	PERCENT OF C	LASS RI	EPRESENTED BY AMOUNT IN ROW (9)				
11	2.10/						
	3.1%	DEING					
12	TYPE OF REPO	KTING P	ERSON (See Instructions)				
	PN						

1	NAME OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY).							
_	Apollo ST Capita	al LLC						
	CHECK THE AI	PPROPRI	ATE BOX IF A MEMBER OF A GROUP (See Instructions)					
2				(a) □				
_		(b) □						
	SEC USE ONLY							
3	SEC USE ONLI							
1	CITIZENSHIP OR PLACE OF ORGANIZATION							
4	Delaware							
	Delaware		SOLE VOTING POWER					
		5						
			0 shares					
NUMB	ER OF SHARES	6	SHARED VOTING POWER					
	NEFICIALLY		467,477 shares					
	NED BY EACH RTING PERSON	7	SOLE DISPOSITIVE POWER					
	WITH:	'	0 shares					
		8	SHARED DISPOSITIVE POWER					
		O	467,477 shares					
9	AGGREGATE A	MOUNT	BENEFICIALLY OWNED BY EACH REPORTING PERSON					
9	467,477 shares							
10	CHECK BOX IF	THE AC	GGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (See Instructions)	!	X			
10								
11	PERCENT OF C	LASS RI	EPRESENTED BY AMOUNT IN ROW (9)					
	3.1%							
12	TYPE OF REPO	RTING P	ERSON (See Instructions)					
1-	00							

1	NAME OF REPORTING PERSONS.  I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY).							
1	ST Management	Holdings	, LLC					
	CHECK THE AP	PROPRI	ATE BOX IF A MEMBER OF A GROUP (See Instructions)					
2				(a) 🗆				
_				(b) □				
	SEC USE ONLY			(u) ⊔				
3	SEC OSE OINT!							
4	CITIZENSHIP O	R PLAC	E OF ORGANIZATION					
-	Delaware							
		5	SOLE VOTING POWER					
		J	0 shares					
MIIMB	NUMBER OF SHARES		SHARED VOTING POWER					
BEN	NEFICIALLY	6	467,477 shares					
	IED BY EACH RTING PERSON	7	SOLE DISPOSITIVE POWER					
	WITH:	'	0 shares					
		8	SHARED DISPOSITIVE POWER					
		U	467,477 shares					
9	AGGREGATE A	MOUNT	BENEFICIALLY OWNED BY EACH REPORTING PERSON					
9	467,477 shares							
10	CHECK BOX IF	THE AG	GREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (See Instructions)		X			
	DEDCENT OF C	LACCDE	EDDECENTED DV AMOUNT IN DOW (0)					
11	PERCENT OF CI	LASS RE	EPRESENTED BY AMOUNT IN ROW (9)					
	3.1%							
<b>12</b>	TYPE OF REPOR	RTING P	ERSON (See Instructions)					
	00							

	NAME OF REPORTING PERSONS.								
1	I.R.S. IDENTIFIC	CATION	NOS. OF ABOVE PERSONS (ENTITIES ONLY).						
I		A PANCER TO LOND							
	•	Apollo A-N Credit Fund (Delaware), L.P.							
	CHECK THE AP	PROPRI	ATE BOX IF A MEMBER OF A GROUP (See Instructions)						
2				(a) □					
				(a) 🗆					
•	SEC USE ONLY								
3									
	CITIZENCIUDO	D DI AC	E OF ORGANIZATION						
4	CITIZENSHIP	IK PLAC	E OF ORGANIZATION						
_	Delaware								
			SOLE VOTING POWER						
		5							
			0 shares						
		C	SHARED VOTING POWER						
	ER OF SHARES NEFICIALLY	6							
	IED BY EACH		44,402 shares						
	RTING PERSON	7	SOLE DISPOSITIVE POWER						
	WITH:	"	0 shares						
		8	SHARED DISPOSITIVE POWER						
			44,402 shares						
	AGGREGATE A	MOUNT	BENEFICIALLY OWNED BY EACH REPORTING PERSON						
9									
	44,402 shares								
10	CHECK BOX IF	THE AG	GREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (See Instructions)	X					
TO									
11	PERCENT OF C	LASS RE	EPRESENTED BY AMOUNT IN ROW (9)						
<b></b>	0.3%								
		DTING P	EDCON (See Instructions)						
12	I YPE OF KEPOI	TYPE OF REPORTING PERSON (See Instructions)							
	PN								

1	NAME OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY).							
_	Apollo A-N Cred							
	CHECK THE AR	PROPR	IATE BOX IF A MEMBER OF A GROUP (See Instructions)					
2				(a) □				
_	CEC LICE ONLY							
_	SEC USE ONLY	(b) 🗆						
3								
4	CITIZENSHIP C	R PLAC	E OF ORGANIZATION					
4	Delaware							
		5	SOLE VOTING POWER					
			0 shares					
		6	SHARED VOTING POWER					
	ER OF SHARES NEFICIALLY	U	44,402 shares					
	ED BY EACH		SOLE DISPOSITIVE POWER					
REPOR	RTING PERSON WITH:	7	SOLE DISPOSITIVE POWER					
			0 shares					
		8	SHARED DISPOSITIVE POWER					
			44,402 shares					
9	AGGREGATE A	MOUNT	Γ BENEFICIALLY OWNED BY EACH REPORTING PERSON					
9	44.400.1							
	44,402 shares			×				
10	10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (See Instructions)							
11	PERCENT OF C	LASS R	EPRESENTED BY AMOUNT IN ROW (9)					
	0.3%							
12	TYPE OF REPO	RTING I	PERSON (See Instructions)					
1-	<b>Z</b>   00							

1	NAME OF REPORTING PERSONS.  I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY).							
	Apollo SPAC Fu	nd I, L.P.						
	CHECK THE AR	PPROPRI	ATE BOX IF A MEMBER OF A GROUP (See Instructions)					
2				(a) 🗆				
				(b) □				
3	SEC USE ONLY							
4	CITIZENSHIP C	OR PLAC	E OF ORGANIZATION					
_	Cayman Islands							
		5	SOLE VOTING POWER					
			0 shares					
		6	SHARED VOTING POWER					
BEN	ER OF SHARES NEFICIALLY ED BY EACH		891,000 shares					
	RTING PERSON WITH:	7	SOLE DISPOSITIVE POWER					
			0 shares					
		8	SHARED DISPOSITIVE POWER					
			891,000 shares					
9	AGGREGATE A	MOUNT	BENEFICIALLY OWNED BY EACH REPORTING PERSON					
	891,000 shares							
10	CHECK BOX IF	THE AG	GGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (See Instructions)	×				
10								
<b>11</b>	PERCENT OF C	LASS RE	EPRESENTED BY AMOUNT IN ROW (9)					
	5.9%							
12	TYPE OF REPO	RTING P	ERSON (See Instructions)					
<b></b>	PN							

1	NAME OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY).					
	Apollo SPAC Management I, L.P.					
	CHECK THE AI	PPROPRI	ATE BOX IF A MEMBER OF A GROUP (See Instructions)			
2	(a) □					
	SEC USE ONLY	,		(b) 🗆		
3	SEC USE ONLY					
4	CITIZENSHIP C	OR PLAC	E OF ORGANIZATION			
-	Delaware					
		5	SOLE VOTING POWER			
		<b>J</b>	0 shares			
		6	SHARED VOTING POWER	-		
BEN	ER OF SHARES NEFICIALLY		891,000 shares			
OWNED BY EACH REPORTING PERSON WITH:		7	SOLE DISPOSITIVE POWER			
	***************************************		0 shares			
		8	SHARED DISPOSITIVE POWER			
			891,000 shares			
9	AGGREGATE A	MOUNT	BENEFICIALLY OWNED BY EACH REPORTING PERSON			
	891,000 shares					
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (See Instructions)   ⊠					
10						
11	PERCENT OF C	LASS RE	EPRESENTED BY AMOUNT IN ROW (9)			
	5.9%					
12	TYPE OF REPORTING PERSON (See Instructions)					
16	PN					

1	NAME OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY).						
	Apollo SPAC Ma	pollo SPAC Management I GP, LLC					
CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions)							
2				(a) □			
_				• •			
	SEC USE ONLY			(b) 🗆			
3	SEC USE OINLI						
4	CITIZENSHIP O	R PLAC	E OF ORGANIZATION				
	Delaware						
		5	SOLE VOTING POWER				
			0 shares				
MIIMB	ER OF SHARES	6	SHARED VOTING POWER				
BEN	NEFICIALLY	U	891,000 shares				
OWNED BY EACH REPORTING PERSON		7	SOLE DISPOSITIVE POWER				
	WITH:	,	0 shares				
	·	8	SHARED DISPOSITIVE POWER				
		U	891,000 shares				
9	AGGREGATE A	MOUNT	BENEFICIALLY OWNED BY EACH REPORTING PERSON				
	891,000 shares						
10	CHECK DOV IF THE ACCRECATE AMOUNT IN DOW (A) EVOLUDES CERTAIN CHARGE (C., I., ., ., ., ., ., ., .,)						
<b>10</b>							
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)						
	5.9%						
17	TYPE OF REPOR	RTING P	ERSON (See Instructions)				
<b>12</b>							
	00						

1	NAME OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY).				
	Apollo Capital Management, L.P.				
	CHECK THE AI	PPROPRI	IATE BOX IF A MEMBER OF A GROUP (See Instructions)		
2	(a) $\Box$				
				(b) 🗆	
3	SEC USE ONLY				
4	CITIZENSHIP C	R PLAC	E OF ORGANIZATION		
7	Delaware				
		5	SOLE VOTING POWER		
			0 shares		
			SHARED VOTING POWER		
NUMB	ER OF SHARES	6	SHARED VOTING POWER		
BENEFICIALLY OWNED BY EACH REPORTING PERSON			1,485,000 shares		
		7	SOLE DISPOSITIVE POWER		
	WITH:	'	0 shares		
			SHARED DISPOSITIVE POWER		
		8	SHARED DISTOSTIVE FOWER		
			1,485,000 shares		
9	AGGREGATE A	MOUNT	BENEFICIALLY OWNED BY EACH REPORTING PERSONY		
	1,485,000 shares				
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (See Instructions)				
<b>10</b>					
11	PERCENT OF C	LASS RI	EPRESENTED BY AMOUNT IN ROW (9)		
	9.9%				
12	TYPE OF REPO	RTING P	PERSON (See Instructions)		
<b>12</b>					
	PN				

4	NAME OF REPORTING PERSONS.  I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY).					
1	Apollo Capital Management GP, LLC					
	-					
	CHECK THE AL	PPROPR.	IATE BOX IF A MEMBER OF A GROUP (See Instructions)			
2	<b>2</b>					
3	SEC USE ONLY					
4	CITIZENSHIP OR PLACE OF ORGANIZATION					
	Delaware					
		5	SOLE VOTING POWER			
			0 shares			
NUMB	ER OF SHARES	6	SHARED VOTING POWER			
BEI	NEFICIALLY IED BY EACH		1,485,000 shares			
	RTING PERSON	7	SOLE DISPOSITIVE POWER			
	WITH:		0 shares			
		8	SHARED DISPOSITIVE POWER			
			1,485,000 shares			
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON					
	1,485,000 shares					
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (See Instructions)					
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)					
	9.9%					
12	TYPE OF REPORTING PERSON (See Instructions)					
	00					

NAME OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY).					
Apollo Management Holdings, L.P.					
CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions)					
2			(a) □		
SEC LISE ONLY			(b) 🗆		
SEC COE CIVET					
CITIZENSHIP OR PLACE OF ORGANIZATION					
Delaware					
•	5	SOLE VOTING POWER			
	<b>J</b>	0 shares			
	<u></u>	SHARED VOTING POWER			
	U	1,485,000 shares			
		SOLE DISPOSITIVE POWER			
WITH:	/	0 shares			
	8				
T					
AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON					
9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON  1,485,000 shares					
CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (See Instructions)					
PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)					
9.9%					
TYPE OF REPO	RTING I	PERSON (See Instructions)			
PN					
	I.R.S. IDENTIFI Apollo Managem CHECK THE AI  SEC USE ONLY  CITIZENSHIP CONTROL  Delaware  BER OF SHARES NEFICIALLY NED BY EACH RTING PERSON WITH:  AGGREGATE A  1,485,000 shares CHECK BOX IF  PERCENT OF CONTROL  9.9%  TYPE OF REPO	I.R.S. IDENTIFICATION Apollo Management Hold CHECK THE APPROPR  SEC USE ONLY  CITIZENSHIP OR PLACE Delaware  5 BER OF SHARES NEFICIALLY NED BY EACH RTING PERSON WITH: 7 8  AGGREGATE AMOUNT 1,485,000 shares CHECK BOX IF THE ACC PERCENT OF CLASS R 9.9% TYPE OF REPORTING I	LR.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY).  Apollo Management Holdings, L.P.  CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions)  SEC USE ONLY  CITIZENSHIP OR PLACE OF ORGANIZATION  Delaware  5 SOLE VOTING POWER 0 shares  6 SHARED VOTING POWER 1,485,000 shares  7 SOLE DISPOSITIVE POWER 0 shares  8 SHARED DISPOSITIVE POWER 1,485,000 shares  AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 1,485,000 shares  CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (See Instructions)  PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)  9.9%  TYPE OF REPORTING PERSON (See Instructions)		

NAME OF REPORTING PERSONS.  I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY).						
1	Apollo Management Holdings GP, LLC					
	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions)					
2	7			(a) □		
_	_					
3	SEC USE ONLY					
4	CITIZENSHIP OR PLACE OF ORGANIZATION					
-	Delaware					
		5	SOLE VOTING POWER			
			0 shares			
		6	SHARED VOTING POWER			
BEI	ER OF SHARES NEFICIALLY	U	1,485,000 shares			
	NED BY EACH RTING PERSON	7	SOLE DISPOSITIVE POWER			
	WITH:	<b>'</b>	0 shares			
		8	SHARED DISPOSITIVE POWER			
		U	1,485,000 shares			
9	AGGREGATE A	MOUNT	BENEFICIALLY OWNED BY EACH REPORTING PERSON			
<i>J</i>	1,485,000 shares					
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (See Instructions)					
	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)					
11						
	9.9%					
12	2 TYPE OF REPORTING PERSON (See Instructions)					
	00					

#### Item 1. (a) Name of Issuer

AMCI Acquisition Corp. II

#### (b) Address of Issuer's Principal Executive Offices

600 Steamboat Road Greenwich, Connecticut 06830

#### Item 2. (a) Name of Person Filing

This statement is filed by (i) Apollo Atlas Master Fund, LLC ("Atlas"); (ii) Apollo Atlas Management, LLC ("Atlas Management"); (iii) Apollo PPF Credit Strategies, LLC ("PPF Credit Strategies"); (iv) Apollo Credit Strategies Master Fund Ltd. ("Credit Strategies"); (v) Apollo ST Fund Management LLC ("ST Management"); (vi) Apollo ST Operating LP ("ST Operating"); (vii) Apollo ST Capital LLC ("ST Capital"); (viii) ST Management Holdings, LLC ("ST Management Holdings"); (ix) Apollo A-N Credit Fund (Delaware), L.P. ("A-N Credit"); (x) Apollo A-N Credit Management, LLC ("A-N Credit Management"); (xi) Apollo SPAC Fund I, L.P. ("SPAC Fund I"); (xii) Apollo SPAC Management I, L.P. ("SPAC Management I"); (xiii) Apollo SPAC Management I GP, LLC ("Capital Management GP"); (xv) Apollo Capital Management Holdings, L.P. ("Management Holdings"); (xvii) Apollo Management Holdings GP, LLC ("Management Holdings GP"). The foregoing are collectively referred to herein as the "Reporting Persons."

SPAC Fund I, Atlas, PPF Credit Strategies, Credit Strategies and A-N Credit each holds securities of the Issuer.

Atlas Management serves as the investment manager of Atlas. Credit Strategies is the sole member of PPF Credit Strategies. ST Management serves as the investment manager for Credit Strategies. ST Operating is the sole member of ST Management. The general partner of ST Operating is ST Capital. ST Management Holdings is the sole member of ST Capital. A-N Credit Management serves as the investment manager for A-N Credit. SPAC Management I serves as the investment manager for SPAC Fund I. The general partner of SPAC Management I is SPAC Management I GP.

Capital Management serves as the sole member of Atlas Management, A-N Credit Management and SPAC Management I GP, and as the sole member and manager of ST Management Holdings. Capital Management GP serves as the general partner of Capital Management. Management Holdings serves as the sole member and manager of Capital Management GP, and Management Holdings GP serves as the general partner of Management Holdings.

# (b) Address of Principal Business Office or, if none, Residence

The principal office of each of Atlas, PPF Credit Strategies, A-N Credit, and SPAC Fund I is One Manhattanville Road, Suite 201, Purchase, New York 10577. The principal office of Credit Strategies is c/o Walkers Corporate Limited, Cayman Corporate Centre, 27 Hospital Road, George Town, Grand Cayman, KY-9008, Cayman Islands. The principal office of each of Atlas Management, ST Management, ST Operating, ST Capital, ST Management Holdings, A-N Credit Management, SPAC Management I GP, Capital Management, Capital Management GP, Management Holdings, and Management Holdings GP is 9 W. 57<sup>th</sup> Street, 43<sup>rd</sup> Floor, New York, New York 10019.

# (c) Citizenship

Atlas and Credit Strategies are each an exempted company incorporated in the Cayman Islands with limited liability. SPAC Fund I is a Cayman Islands exempted limited partnership. Atlas Management, PPF Credit Strategies, ST Management, ST Capital, ST Management Holdings, A-N Credit Management, SPAC Management I GP, Capital Management GP, and Management Holdings GP are each a Delaware limited liability company. ST Operating, A-N Credit, SPAC Management I, Capital Management, and Management Holdings are each a Delaware limited partnership.

#### (d) Title of Class of Securities

Class A common stock, par value \$0.0001 per share (the "Common Stock").

#### (e) CUSIP Number

00165R101

#### Item 3. If this statement is filed pursuant to Rule 13d-1(b), or 13d-2(b) or (c), check whether the person filing is a:

Not applicable.

# Item 4. Ownership.

Beneficial ownership information is reported as of the date of filing of this Schedule 13G. The Common Stock reported herein are held in the form of units (the "Units"). Each Unit consists of one share of Common Stock and one-half of one redeemable warrant. Each whole redeemable warrant entitles the holder thereof to purchase one share of Common Stock upon the consummation of the Issuer's initial business combination ("Initial Business Combination"), as described in more detail in the Issuer's Prospectus filed with the SEC on August 4, 2021 (the "Prospectus"). Each warrant will become exercisable on the later of 30 days after the completion of the Issuer's Initial Business Combination and 12 months from the effective date of the Prospectus, and will expire five years after the completion of the Issuer's Initial Business Combination or earlier upon redemption or liquidation. In accordance with Rule 13d-3(d)(1) regarding securities which represent a right to acquire an underlying security, each Unit has been reported herein as representing the beneficial ownership of one (1) share of Common Stock.

#### (a) Amount beneficially owned:

Atlas	23,166
Atlas Management	23,166
PPF Credit Strategies	58,955
Credit Strategies	467,477
ST Management	467,477
ST Operating	467,477
ST Capital	467,477
ST Management Holdings	467,477
A-N Credit	44,402
A-N Credit Management	44,402
SPAC Fund I	891,000
SPAC Management I	891,000
SPAC Management I GP	891,000
Capital Management	1,485,000
Capital Management GP	1,485,000
Management Holdings	1,485,000
Management Holdings GP	1,485,000

Atlas, PPF Credit Strategies, Credit Strategies, A-N Credit, and SPAC Fund I each disclaims beneficial ownership of all shares of Common Stock included in this report other than the shares of Common Stock held of record by such Reporting Person, and the filing of this report shall not be construed as an admission that any such person or entity is the beneficial owner of any such securities for purposes of Section 13(d) or 13(g) of the Securities Exchange Act of 1934, as amended, or for any other purpose. Atlas Management, ST Management, ST Operating, ST Capital, ST Management Holdings, A-N Credit Management, SPAC Management I GP, Capital Management, Capital Management GP, Management Holdings and Management Holdings GP, and Messrs. Scott Kleinman, James Zelter, Joshua Harris and Marc Rowan, the managers, as well as executive officers, of Management Holdings GP, each disclaims beneficial ownership of all shares of Common Stock included in this report, and the filing of this report shall not be construed as an admission that any such person or entity is the beneficial owner of any such securities for purposes of Section 13(d) or 13(g) of the Securities Exchange Act of 1934, as amended, or for any other purpose.

# (b) Percent of class:

Atlas	0.2%
Atlas Management	0.2%
PPF Credit Strategies	0.4%
Credit Strategies	3.1%
ST Management	3.1%
ST Operating	3.1%
ST Capital	3.1%
ST Management Holdings	3.1%
A-N Credit	0.3%
A-N Credit Management	0.3%
SPAC Fund I	5.9%
SPAC Management I	5.9%
SPAC Management I GP	5.9%
Capital Management	9.9%
Capital Management GP	9.9%
Management Holdings	9.9%
Management Holdings GP	9.9%

The percentages are based on 15,000,000 shares of Common Stock outstanding as of August 6, 2021, as disclosed in the Issuer's Current Report on Form 8-K filed on August 6, 2021.

# (c) Number of shares as to which the person has:

- (i) Sole power to vote or to direct the vote: 0 for all Reporting Persons
- (ii) Shared power to vote or to direct the vote:

Atlas	23,166
Atlas Management	23,166
PPF Credit Strategies	58,955
Credit Strategies	467,477
ST Management	467,477
ST Operating	467,477
ST Capital	467,477
ST Management Holdings	467,477
A-N Credit	44,402
A-N Credit Management	44,402
SPAC Fund I	891,000
SPAC Management I	891,000
SPAC Management I GP	891,000
Capital Management	1,485,000
Capital Management GP	1,485,000
Management Holdings	1,485,000
Management Holdings GP	1,485,000

- (iii) Sole power to dispose or to direct the disposition of: 0 for all Reporting Persons
- (iv) Shared power to dispose or to direct the disposition of:

Atlas	23,166
Atlas Management	23,166
PPF Credit Strategies	58,955
Credit Strategies	467,477
ST Management	467,477
ST Operating	467,477
ST Capital	467,477
ST Management Holdings	467,477
A-N Credit	44,402
A-N Credit Management	44,402
SPAC Fund I	891,000
SPAC Management I	891,000
SPAC Management I GP	891,000
Capital Management	1,485,000
Capital Management GP	1,485,000
Management Holdings	1,485,000
Management Holdings GP	1,485,000

#### Item 5. Ownership of Five Percent or Less of a Class.

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following: [ ]

#### Item 6. Ownership of More than Five Percent on Behalf of Another Person.

Not applicable.

# Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding

**Company.**Not applicable.

# Identification and Classification of Members of the Group.

Not applicable.

# Item 9. Notice of Dissolution of Group.

Not applicable.

# Item 10. Certification.

Item 8.

By signing below, I certify that, to the best of my knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

[The remainder of this page is intentionally left blank.]

#### **SIGNATURE**

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Date: August 16, 2021

# APOLLO ATLAS MASTER FUND, LLC

By: Apollo Atlas Management, LLC,

its investment manager

By: /s/ Joseph D. Glatt
Name: Joseph D. Glatt
Title: Vice President

# APOLLO ATLAS MANAGEMENT, LLC

By: Apollo Capital Management, L.P.,

its sole member

By: Apollo Capital Management GP, LLC,

its general partner

By: /s/ Joseph D. Glatt Name: Joseph D. Glatt Title: Vice President

# APOLLO PPF CREDIT STRATEGIES, LLC

By: Apollo Credit Strategies Master Fund Ltd.,

its sole member

By: Apollo ST Fund Management LLC,

its investment manager

#### APOLLO CREDIT STRATEGIES MASTER FUND LTD.

By: Apollo ST Fund Management LLC,

its investment manager

By: /s/ Joseph D. Glatt
Name: Joseph D. Glatt
Title: Vice President

#### APOLLO ST FUND MANAGEMENT LLC

By: /s/ Joseph D. Glatt Name: Joseph D. Glatt Title: Vice President

# APOLLO ST OPERATING LP

By: Apollo ST Capital LLC,

its general partner

By: /s/ Joseph D. Glatt Name: Joseph D. Glatt Title: Vice President

# APOLLO ST CAPITAL LLC

By: /s/ Joseph D. Glatt
Name: Joseph D. Glatt
Title: Vice President

# ST MANAGEMENT HOLDINGS, LLC

By: /s/ Joseph D. Glatt Name: Joseph D. Glatt Title: Vice President

# APOLLO A-N CREDIT FUND (DELAWARE), L.P.

By: Apollo A-N Credit Management, LLC,

its investment manager

#### APOLLO A-N CREDIT MANAGEMENT, LLC

By: /s/ Joseph D. Glatt Name: Joseph D. Glatt Title: Vice President

# APOLLO SPAC FUND I, L.P.

By: Apollo SPAC Management I, L.P.,

its investment manager

By: Apollo SPAC Management I GP, LLC,

its general partner

By: /s/ Joseph D. Glatt
Name: Joseph D. Glatt
Title: Vice President

#### APOLLO SPAC MANAGEMENT I, L.P.

By: Apollo SPAC Management I GP, LLC,

its general partner

By: /s/ Joseph D. Glatt Name: Joseph D. Glatt Title: Vice President

# APOLLO SPAC MANAGEMENT I GP, LLC

By: /s/ Joseph D. Glatt Name: Joseph D. Glatt Title: Vice President

# APOLLO CAPITAL MANAGEMENT, L.P.

By: Apollo Capital Management GP, LLC,

its general partner

By: /s/ Joseph D. Glatt Name: Joseph D. Glatt Title: Vice President

# APOLLO CAPITAL MANAGEMENT GP, LLC

# APOLLO MANAGEMENT HOLDINGS, L.P.

By: Apollo Management Holdings GP, LLC, its general partner

By: /s/ Joseph D. Glatt Name: Joseph D. Glatt Title: Vice President

# APOLLO MANAGEMENT HOLDINGS GP, LLC

By: /s/ Joseph D. Glatt Name: Joseph D. Glatt Title: Vice President

Page 27 of 27

# JOINT FILING AGREEMENT AMCI ACQUISITION CORP. II

In accordance with Rule 13d-1(k) under the Securities Exchange Act of 1934, as amended, the undersigned hereby confirm the agreement by and among them to the joint filing on behalf of them of the Statement on Schedule 13G and any and all further amendments thereto, with respect to the securities of the above referenced issuer, and that this Agreement be included as an Exhibit to such filing. This Agreement may be executed in any number of counterparts each of which shall be deemed to be an original and all of which together shall be deemed to constitute one and the same Agreement.

IN WITNESS WHEREOF, the undersigned hereby execute this Agreement as of August 16, 2021.

#### APOLLO ATLAS MASTER FUND, LLC

By: Apollo Atlas Management, LLC, its investment manager

By: /s/ Joseph D. Glatt
Name: Joseph D. Glatt
Title: Vice President

#### APOLLO ATLAS MANAGEMENT, LLC

By: Apollo Capital Management, L.P., its sole member

By: Apollo Capital Management GP, LLC, its general partner

By: /s/ Joseph D. Glatt
Name: Joseph D. Glatt
Title: Vice President

#### APOLLO PPF CREDIT STRATEGIES, LLC

By: Apollo Credit Strategies Master Fund Ltd., its sole member

By: Apollo ST Fund Management LLC, its investment manager

#### APOLLO CREDIT STRATEGIES MASTER FUND LTD.

By: Apollo ST Fund Management LLC, its investment manager

By: /s/ Joseph D. Glatt
Name: Joseph D. Glatt
Title: Vice President

#### APOLLO ST FUND MANAGEMENT LLC

By: /s/ Joseph D. Glatt
Name: Joseph D. Glatt
Title: Vice President

# APOLLO ST OPERATING LP

By: Apollo ST Capital LLC, its general partner

By: /s/ Joseph D. Glatt
Name: Joseph D. Glatt
Title: Vice President

# APOLLO ST CAPITAL LLC

By: /s/ Joseph D. Glatt
Name: Joseph D. Glatt
Title: Vice President

# ST MANAGEMENT HOLDINGS, LLC

By: /s/ Joseph D. Glatt
Name: Joseph D. Glatt
Title: Vice President

# APOLLO A-N CREDIT FUND (DELAWARE), L.P.

By: Apollo A-N Credit Management, LLC, its investment manager

#### APOLLO A-N CREDIT MANAGEMENT, LLC

By: /s/ Joseph D. Glatt
Name: Joseph D. Glatt
Title: Vice President

# APOLLO SPAC FUND I, L.P.

By: Apollo SPAC Management I, L.P., its investment manager

By: Apollo SPAC Management I GP, LLC, its general partner

By: /s/ Joseph D. Glatt
Name: Joseph D. Glatt
Title: Vice President

# APOLLO SPAC MANAGEMENT I, L.P.

By: Apollo SPAC Management I GP, LLC, its general partner

By: /s/ Joseph D. Glatt
Name: Joseph D. Glatt
Title: Vice President

# APOLLO SPAC MANAGEMENT I GP, LLC

By: /s/ Joseph D. Glatt
Name: Joseph D. Glatt
Title: Vice President

# APOLLO CAPITAL MANAGEMENT, L.P.

By: Apollo Capital Management GP, LLC, its general partner

# APOLLO CAPITAL MANAGEMENT GP, LLC

By: /s/ Joseph D. Glatt

Name: Joseph D. Glatt
Title: Vice President

# APOLLO MANAGEMENT HOLDINGS, L.P.

By: Apollo Management Holdings GP, LLC,

its general partner

By: /s/ Joseph D. Glatt
Name: Joseph D. Glatt
Title: Vice President

# APOLLO MANAGEMENT HOLDINGS GP, LLC