

Form 5500 Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Annual Return/Report of Employee Benefit Plan This form is required to be filed for employee benefit plans under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and sections 6057(b) and 6058(a) of the Internal Revenue Code (the Code). ▶ Complete all entries in accordance with the instructions to the Form 5500.	OMB Nos. 1210-0110 1210-0089 2022 This Form is Open to Public Inspection
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Part I	Annual Report Identification Information
For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022	
A This return/report is for:	☐ a multiemployer plan ☐ a multiple-employer plan (Filers checking this box must attach a list of participating employer information in accordance with the form instructions.)
	☒ a single-employer plan ☐ a DFE (specify) _____
B This return/report is:	☐ the first return/report ☐ the final return/report
	☐ an amended return/report ☐ a short plan year return/report (less than 12 months)
C If the plan is a collectively-bargained plan, check here.	▶ ☐
D Check box if filing under:	☒ Form 5558 ☐ automatic extension ☐ the DFVC program
	☐ special extension (enter description)
E If this is a retroactively adopted plan permitted by SECURE Act section 201, check here.	▶ ☐

Part II	Basic Plan Information —enter all requested information
1a Name of plan MATERION CORPORATION RETIREMENT SAVINGS PLAN	1b Three-digit plan number (PN) ▶ 003
	1c Effective date of plan 01/01/1984
2a Plan sponsor's name (employer, if for a single-employer plan) Mailing address (include room, apt., suite no. and street, or P.O. Box) City or town, state or province, and ZIP or foreign postal code (if foreign, see instructions) MATERION CORPORATION 6070 PARKLAND BLVD. MAYFIELD HEIGHTS, OH 44124	2b Employer Identification Number (EIN) 34-1919973
	2c Plan Sponsor's telephone number 216-383-4931
	2d Business code (see instructions) 331400

Caution: A penalty for the late or incomplete filing of this return/report will be assessed unless reasonable cause is established.

Under penalties of perjury and other penalties set forth in the instructions, I declare that I have examined this return/report, including accompanying schedules, statements and attachments, as well as the electronic version of this return/report, and to the best of my knowledge and belief, it is true, correct, and complete.

SIGN HERE	Filed with authorized/valid electronic signature.	06/29/2023	JOHN M. ZARANEC
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE			
	Signature of employer/plan sponsor	Date	Enter name of individual signing as employer or plan sponsor
SIGN HERE			
	Signature of DFE	Date	Enter name of individual signing as DFE

For Paperwork Reduction Act Notice, see the Instructions for Form 5500.

Form 5500 (2022)
v. 220413

3a Plan administrator's name and address ☒ Same as Plan Sponsor		3b Administrator's EIN
		3c Administrator's telephone number
4 If the name and/or EIN of the plan sponsor or the plan name has changed since the last return/report filed for this plan, enter the plan sponsor's name, EIN, the plan name and the plan number from the last return/report: a Sponsor's name c Plan Name		4b EIN 4d PN
5 Total number of participants at the beginning of the plan year		5 3129
6 Number of participants as of the end of the plan year unless otherwise stated (welfare plans complete only lines 6a(1) , 6a(2) , 6b , 6c , and 6d).		
a(1) Total number of active participants at the beginning of the plan year		6a(1) 2225
a(2) Total number of active participants at the end of the plan year		6a(2) 2640
b Retired or separated participants receiving benefits		6b 32
c Other retired or separated participants entitled to future benefits.....		6c 919
d Subtotal. Add lines 6a(2) , 6b , and 6c		6d 3591
e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits.		6e 7
f Total. Add lines 6d and 6e		6f 3598
g Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item).....		6g 3537
h Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested.....		6h 179
7 Enter the total number of employers obligated to contribute to the plan (only multiemployer plans complete this item)		7
8a If the plan provides pension benefits, enter the applicable pension feature codes from the List of Plan Characteristics Codes in the instructions: 2F 2H 2J 2K 2S 2T 3F		
b If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristics Codes in the instructions:		
9a Plan funding arrangement (check all that apply) (1) ☐ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor		9b Plan benefit arrangement (check all that apply) (1) ☐ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor
10 Check all applicable boxes in 10a and 10b to indicate which schedules are attached, and, where indicated, enter the number attached. (See instructions)		
a Pension Schedules (1) ☒ R (Retirement Plan Information) (2) ☐ MB (Multiemployer Defined Benefit Plan and Certain Money Purchase Plan Actuarial Information) - signed by the plan actuary (3) ☐ SB (Single-Employer Defined Benefit Plan Actuarial Information) - signed by the plan actuary		b General Schedules (1) ☒ H (Financial Information) (2) ☐ I (Financial Information – Small Plan) (3) ☐ 0 A (Insurance Information) (4) ☒ C (Service Provider Information) (5) ☒ D (DFE/Participating Plan Information) (6) ☐ G (Financial Transaction Schedules)

Part III Form M-1 Compliance Information (to be completed by welfare benefit plans)

11a If the plan provides welfare benefits, was the plan subject to the Form M-1 filing requirements during the plan year? (See instructions and 29 CFR 2520.101-2.) ☐ Yes ☐ No

If "Yes" is checked, complete lines 11b and 11c.

11b Is the plan currently in compliance with the Form M-1 filing requirements? (See instructions and 29 CFR 2520.101-2.) ☐ Yes ☐ No

11c Enter the Receipt Confirmation Code for the 2022 Form M-1 annual report. If the plan was not required to file the 2022 Form M-1 annual report, enter the Receipt Confirmation Code for the most recent Form M-1 that was required to be filed under the Form M-1 filing requirements. (Failure to enter a valid Receipt Confirmation Code will subject the Form 5500 filing to rejection as incomplete.)

Receipt Confirmation Code _____

SCHEDULE C (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Service Provider Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA). ▶ File as an attachment to Form 5500.	OMB No. 1210-0110
		2022
		This Form is Open to Public Inspection.

For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022	
A Name of plan MATERION CORPORATION RETIREMENT SAVINGS PLAN	B Three-digit plan number (PN) ▶ 003
C Plan sponsor's name as shown on line 2a of Form 5500 MATERION CORPORATION	D Employer Identification Number (EIN) 34-1919973

Part I	Service Provider Information (see instructions)
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You must complete this Part, in accordance with the instructions, to report the information required for **each person** who received, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of monetary value) in connection with services rendered to the plan or the person's position with the plan during the plan year. If a person received **only** eligible indirect compensation for which the plan received the required disclosures, you are required to answer line 1 but are not required to include that person when completing the remainder of this Part.

1 Information on Persons Receiving Only Eligible Indirect Compensation

- a Check "Yes" or "No" to indicate whether you are excluding a person from the remainder of this Part because they received only eligible indirect compensation for which the plan received the required disclosures (see instructions for definitions and conditions)..... ☒ Yes ☐ No
- b If you answered line 1a "Yes," enter the name and EIN or address of each person providing the required disclosures for the service providers who received only eligible indirect compensation. Complete as many entries as needed (see instructions).

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation
FIDELITY INVESTMENTS INSTITUTIONAL
04-2647786

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation
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2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

CLEARSTEAD ADVISORS, LLC

34-1597728

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
27	INVESTMENT ADVISOR	63263	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

STRATEGIC ADVISORS, INC.

04-2654524

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
27	ADVISOR	43789	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

THOMPSON HINE LLP

34-0575300

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
29	ATTORNEY/LEGAL	28984	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

FIDELITY INVESTMENTS INSTITUTIONAL

04-2647786

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
37 60 64 65 71	RECORDKEEPER	-109957	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☒ No ☐

(a) Enter name and EIN or address (see instructions)

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
			Yes ☐ No ☐	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
			Yes ☐ No ☐	Yes ☐ No ☐		Yes ☐ No ☐

Part I Service Provider Information (continued)

3. If you reported on line 2 receipt of indirect compensation, other than eligible indirect compensation, by a service provider, and the service provider is a fiduciary or provides contract administrator, consulting, custodial, investment advisory, investment management, broker, or recordkeeping services, answer the following questions for (a) each source from whom the service provider received \$1,000 or more in indirect compensation and (b) each source for whom the service provider gave you a formula used to determine the indirect compensation instead of an amount or estimated amount of the indirect compensation. Complete as many entries as needed to report the required information for each source.

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
FIDELITY INVESTMENTS INSTITUTIONAL	60	0

(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
DODGE&COX INTL STK I - DST ASSET M 430 W 7TH STREET STE 219432 14785 PRESTON ROAD, SUITE 1000 KANSAS CITY, MO 64105	0.10%

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
FIDELITY INVESTMENTS INSTITUTIONAL	60	0

(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
HARBOR SCV INST - HARBOR SERVICES 34-1953399	0.10%

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation

(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.

Part II Service Providers Who Fail or Refuse to Provide Information

4 Provide, to the extent possible, the following information for each service provider who failed or refused to provide the information necessary to complete this Schedule.

(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide

Part III Termination Information on Accountants and Enrolled Actuaries (see instructions)
(complete as many entries as needed)

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

SCHEDULE D (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration	DFE/Participating Plan Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA). ► File as an attachment to Form 5500.	OMB No. 1210-0110 2022 This Form is Open to Public Inspection.
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For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022		
A Name of plan MATERION CORPORATION RETIREMENT SAVINGS PLAN	B Three-digit plan number (PN) ►	003
C Plan or DFE sponsor's name as shown on line 2a of Form 5500 MATERION CORPORATION	D Employer Identification Number (EIN) 34-1919973	

Part I	Information on interests in MTIAs, CCTs, PSAs, and 103-12 IEs (to be completed by plans and DFEs) (Complete as many entries as needed to report all interests in DFEs)
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a Name of MTIA, CCT, PSA, or 103-12 IE: FID FRDM BLND 2055 Q		
b Name of sponsor of entity listed in (a): FIAM TRUST COMPANY		
c EIN-PN 20-4659714-113	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 7407610
a Name of MTIA, CCT, PSA, or 103-12 IE: FID FRDM BLND 2035 Q		
b Name of sponsor of entity listed in (a): FIAM TRUST COMPANY		
c EIN-PN 20-4659714-092	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 19642972
a Name of MTIA, CCT, PSA, or 103-12 IE: FID FRDM BLND 2045 Q		
b Name of sponsor of entity listed in (a): FIAM TRUST COMPANY		
c EIN-PN 20-4659714-094	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 13005403
a Name of MTIA, CCT, PSA, or 103-12 IE: FID FRDM BLND 2020 Q		
b Name of sponsor of entity listed in (a): FIAM TRUST COMPANY		
c EIN-PN 20-4659714-089	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 10973438
a Name of MTIA, CCT, PSA, or 103-12 IE: FID FRDM BLEND INC Q		
b Name of sponsor of entity listed in (a): FIAM TRUST COMPANY		
c EIN-PN 20-4659714-085	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 1306117
a Name of MTIA, CCT, PSA, or 103-12 IE: FID FRDM BLND 2065 Q		
b Name of sponsor of entity listed in (a): FIAM TRUST COMPANY		
c EIN-PN 20-4659714-168	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 937542
a Name of MTIA, CCT, PSA, or 103-12 IE: FID FRDM BLND 2010 Q		
b Name of sponsor of entity listed in (a): FIAM TRUST COMPANY		
c EIN-PN 20-4659714-087	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 446796

a Name of MTIA, CCT, PSA, or 103-12 IE: FID FRDM BLND 2040 Q		
b Name of sponsor of entity listed in (a): FIAM TRUST COMPANY		
c EIN-PN 20-4659714-093	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 13525394
a Name of MTIA, CCT, PSA, or 103-12 IE: FID BLUE CHP GR POOL		
b Name of sponsor of entity listed in (a): FIDELITY MANAGEMENT TRUST COMPANY		
c EIN-PN 04-3022712-142	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 40340862
a Name of MTIA, CCT, PSA, or 103-12 IE: FID FRDM BLND 2005 Q		
b Name of sponsor of entity listed in (a): FIAM TRUST COMPANY		
c EIN-PN 20-4659714-086	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 470984
a Name of MTIA, CCT, PSA, or 103-12 IE: FID FRDM BLND 2030 Q		
b Name of sponsor of entity listed in (a): FIAM TRUST COMPANY		
c EIN-PN 20-4659714-091	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 24889747
a Name of MTIA, CCT, PSA, or 103-12 IE: FID FRDM BLND 2050 Q		
b Name of sponsor of entity listed in (a): FIAM TRUST COMPANY		
c EIN-PN 20-4659714-095	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 7980023
a Name of MTIA, CCT, PSA, or 103-12 IE: FID FRDM BLND 2025 Q		
b Name of sponsor of entity listed in (a): FIAM TRUST COMPANY		
c EIN-PN 20-4659714-090	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 17568545
a Name of MTIA, CCT, PSA, or 103-12 IE: FID FRDM BLND 2060 Q		
b Name of sponsor of entity listed in (a): FIAM TRUST COMPANY		
c EIN-PN 20-4659714-147	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 4096407
a Name of MTIA, CCT, PSA, or 103-12 IE: FID FRDM BLND 2015 Q		
b Name of sponsor of entity listed in (a): FIAM TRUST COMPANY		
c EIN-PN 20-4659714-088	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 2080660
a Name of MTIA, CCT, PSA, or 103-12 IE: VANG RET SAV TR III		
b Name of sponsor of entity listed in (a): VANGUARD FIDUCIARY TRUST COMPANY		
c EIN-PN 38-7041744-024	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 6125300
a Name of MTIA, CCT, PSA, or 103-12 IE:		
b Name of sponsor of entity listed in (a):		
c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

Part II **Information on Participating Plans (to be completed by DFEs)**

(Complete as many entries as needed to report all participating plans)

a Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
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plan sponsor**c** EIN-PN**a** Plan name**b** Name of
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plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN

SCHEDULE H (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Financial Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA), and section 6058(a) of the Internal Revenue Code (the Code). ► File as an attachment to Form 5500.	OMB No. 1210-0110 2022 This Form is Open to Public Inspection
For calendar plan year 2022 or fiscal plan year beginning <u>01/01/2022</u> and ending <u>12/31/2022</u>		
A Name of plan <u>MATERION CORPORATION RETIREMENT SAVINGS PLAN</u>	B Three-digit plan number (PN) ►	<u>003</u>
C Plan sponsor's name as shown on line 2a of Form 5500 <u>MATERION CORPORATION</u>	D Employer Identification Number (EIN) <u>34-1919973</u>	

Part I Asset and Liability Statement			
1 Current value of plan assets and liabilities at the beginning and end of the plan year. Combine the value of plan assets held in more than one trust. Report the value of the plan's interest in a commingled fund containing the assets of more than one plan on a line-by-line basis unless the value is reportable on lines 1c(9) through 1c(14). Do not enter the value of that portion of an insurance contract which guarantees, during this plan year, to pay a specific dollar benefit at a future date. Round off amounts to the nearest dollar. MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 1b(1), 1b(2), 1c(8), 1g, 1h, and 1i. CCTs, PSAs, and 103-12 IEs also do not complete lines 1d and 1e. See instructions.			
Assets		(a) Beginning of Year	(b) End of Year
a Total noninterest-bearing cash.....	1a	0	0
b Receivables (less allowance for doubtful accounts):			
(1) Employer contributions.....	1b(1)	3366558	4205737
(2) Participant contributions.....	1b(2)	0	375059
(3) Other.....	1b(3)	0	12635
c General investments:			
(1) Interest-bearing cash (include money market accounts & certificates of deposit).....	1c(1)	24007676	27465371
(2) U.S. Government securities	1c(2)	0	0
(3) Corporate debt instruments (other than employer securities):			
(A) Preferred	1c(3)(A)	0	0
(B) All other	1c(3)(B)	0	0
(4) Corporate stocks (other than employer securities):			
(A) Preferred	1c(4)(A)	0	0
(B) Common.....	1c(4)(B)	0	0
(5) Partnership/joint venture interests	1c(5)	0	0
(6) Real estate (other than employer real property)	1c(6)	0	0
(7) Loans (other than to participants).....	1c(7)	0	0
(8) Participant loans.....	1c(8)	6027320	5850613
(9) Value of interest in common/collective trusts.....	1c(9)	0	170797800
(10) Value of interest in pooled separate accounts	1c(10)	0	0
(11) Value of interest in master trust investment accounts.....	1c(11)	0	0
(12) Value of interest in 103-12 investment entities	1c(12)	0	0
(13) Value of interest in registered investment companies (e.g., mutual funds).....	1c(13)	341065729	128479792
(14) Value of funds held in insurance company general account (unallocated contracts).....	1c(14)	0	0
(15) Other	1c(15)	0	0

1d Employer-related investments:

		(a) Beginning of Year	(b) End of Year
(1) Employer securities	1d(1)	21636664	20268192
(2) Employer real property	1d(2)	0	0
e Buildings and other property used in plan operation	1e	0	0
f Total assets (add all amounts in lines 1a through 1e)	1f	396103947	357455199

Liabilities

g Benefit claims payable	1g	0	0
h Operating payables	1h	0	0
i Acquisition indebtedness	1i	0	0
j Other liabilities	1j	0	0
k Total liabilities (add all amounts in lines 1g through 1j)	1k	0	0

Net Assets

l Net assets (subtract line 1k from line 1f)	1l	396103947	357455199
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Part II Income and Expense Statement

2 Plan income, expenses, and changes in net assets for the year. Include all income and expenses of the plan, including any trust(s) or separately maintained fund(s) and any payments/receipts to/from insurance carriers. Round off amounts to the nearest dollar. MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 2a, 2b(1)(E), 2e, 2f, and 2g.

Income**a Contributions:**

		(a) Amount	(b) Total
(1) Received or receivable in cash from: (A) Employers	2a(1)(A)	13871304	
(B) Participants	2a(1)(B)	18936744	
(C) Others (including rollovers)	2a(1)(C)	3565449	
(2) Noncash contributions	2a(2)	0	
(3) Total contributions. Add lines 2a(1)(A) , (B) , (C) , and line 2a(2)	2a(3)		36373497

b Earnings on investments:**(1) Interest:**

(A) Interest-bearing cash (including money market accounts and certificates of deposit)	2b(1)(A)	378773	
(B) U.S. Government securities	2b(1)(B)	0	
(C) Corporate debt instruments	2b(1)(C)	0	
(D) Loans (other than to participants)	2b(1)(D)	0	
(E) Participant loans	2b(1)(E)	90216	
(F) Other	2b(1)(F)	87737	
(G) Total interest. Add lines 2b(1)(A) through (F)	2b(1)(G)		556726

(2) Dividends: (A) Preferred stock	2b(2)(A)	0	
(B) Common stock	2b(2)(B)	119998	
(C) Registered investment company shares (e.g. mutual funds)	2b(2)(C)	11939244	
(D) Total dividends. Add lines 2b(2)(A) , (B) , and (C)	2b(2)(D)		12059242

(3) Rents	2b(3)		0
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(4) Net gain (loss) on sale of assets: (A) Aggregate proceeds	2b(4)(A)	5200697	
(B) Aggregate carrying amount (see instructions)	2b(4)(B)	5667965	
(C) Subtract line 2b(4)(B) from line 2b(4)(A) and enter result	2b(4)(C)		-467268

(5) Unrealized appreciation (depreciation) of assets: (A) Real estate	2b(5)(A)	0	
(B) Other	2b(5)(B)	-392846	
(C) Total unrealized appreciation of assets. Add lines 2b(5)(A) and (B)	2b(5)(C)		-392846

		(a) Amount	(b) Total
(6) Net investment gain (loss) from common/collective trusts	2b(6)		-3649235
(7) Net investment gain (loss) from pooled separate accounts	2b(7)		0
(8) Net investment gain (loss) from master trust investment accounts	2b(8)		0
(9) Net investment gain (loss) from 103-12 investment entities.....	2b(9)		0
(10) Net investment gain (loss) from registered investment companies (e.g., mutual funds)	2b(10)		-82202376
c Other income	2c		0
d Total income. Add all income amounts in column (b) and enter total	2d		-37722260
Expenses			
e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers	2e(1)	37933727	
(2) To insurance carriers for the provision of benefits	2e(2)	0	
(3) Other	2e(3)	0	
(4) Total benefit payments. Add lines 2e(1) through (3)	2e(4)		37933727
f Corrective distributions (see instructions)	2f		5445
g Certain deemed distributions of participant loans (see instructions)	2g		34237
h Interest expense	2h		0
i Administrative expenses: (1) Professional fees	2i(1)	0	
(2) Contract administrator fees	2i(2)	0	
(3) Investment advisory and management fees	2i(3)	43789	
(4) Other	2i(4)	-17666	
(5) Total administrative expenses. Add lines 2i(1) through (4)	2i(5)		26123
j Total expenses. Add all expense amounts in column (b) and enter total	2j		37999532
Net Income and Reconciliation			
k Net income (loss). Subtract line 2j from line 2d	2k		-75721792
l Transfers of assets:			
(1) To this plan	2l(1)		37073044
(2) From this plan	2l(2)		0

Part III Accountant's Opinion

3 Complete lines 3a through 3c if the opinion of an independent qualified public accountant is attached to this Form 5500. Complete line 3d if an opinion is not attached.

a The attached opinion of an independent qualified public accountant for this plan is (see instructions):

(1) ☒ Unmodified (2) ☐ Qualified (3) ☐ Disclaimer (4) ☐ Adverse

b Check the appropriate box(es) to indicate whether the IQPA performed an ERISA section 103(a)(3)(C) audit. Check both boxes (1) and (2) if the audit was performed pursuant to both 29 CFR 2520.103-8 and 29 CFR 2520.103-12(d). Check box (3) if pursuant to neither.

(1) ☐ DOL Regulation 2520.103-8 (2) ☐ DOL Regulation 2520.103-12(d) (3) ☒ neither DOL Regulation 2520.103-8 nor DOL Regulation 2520.103-12(d).

c Enter the name and EIN of the accountant (or accounting firm) below:

(1) Name: MEADEN & MOORE LTD

(2) EIN: 34-1818258

d The opinion of an independent qualified public accountant is **not attached** because:

(1) ☐ This form is filed for a CCT, PSA, or MTIA. (2) ☐ It will be attached to the next Form 5500 pursuant to 29 CFR 2520.104-50.

Part IV Compliance Questions

4 CCTs and PSAs do not complete Part IV. MTIAs, 103-12 IEs, and GIAs do not complete lines 4a, 4e, 4f, 4g, 4h, 4k, 4m, 4n, or 5. 103-12 IEs also do not complete lines 4j and 4l. MTIAs also do not complete line 4l.

During the plan year:

a Was there a failure to transmit to the plan any participant contributions within the time period described in 29 CFR 2510.3-102? Continue to answer "Yes" for any prior year failures until fully corrected. (See instructions and DOL's Voluntary Fiduciary Correction Program.)

	Yes	No	Amount
4a		X	

	Yes	No	Amount
b Were any loans by the plan or fixed income obligations due the plan in default as of the close of the plan year or classified during the year as uncollectible? Disregard participant loans secured by participant's account balance. (Attach Schedule G (Form 5500) Part I if "Yes" is checked.)			
4b		X	
c Were any leases to which the plan was a party in default or classified during the year as uncollectible? (Attach Schedule G (Form 5500) Part II if "Yes" is checked.)			
4c		X	
d Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 4a. Attach Schedule G (Form 5500) Part III if "Yes" is checked.)			
4d		X	
e Was this plan covered by a fidelity bond?	X		10000000
f Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?		X	
4f		X	
g Did the plan hold any assets whose current value was neither readily determinable on an established market nor set by an independent third party appraiser?			
4g		X	
h Did the plan receive any noncash contributions whose value was neither readily determinable on an established market nor set by an independent third party appraiser?			
4h		X	
i Did the plan have assets held for investment? (Attach schedule(s) of assets if "Yes" is checked, and see instructions for format requirements.)	X		
4i	X		
j Were any plan transactions or series of transactions in excess of 5% of the current value of plan assets? (Attach schedule of transactions if "Yes" is checked and see instructions for format requirements.)			
4j		X	
k Were all the plan assets either distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC?			
4k		X	
l Has the plan failed to provide any benefit when due under the plan?			
4l		X	
m If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)			
4m		X	
n If 4m was answered "Yes," check the "Yes" box if you either provided the required notice or one of the exceptions to providing the notice applied under 29 CFR 2520.101-3.			
4n		X	

5a Has a resolution to terminate the plan been adopted during the plan year or any prior plan year? ☐ Yes ☒ No
If "Yes," enter the amount of any plan assets that reverted to the employer this year _____.

5b If, during this plan year, any assets or liabilities were transferred from this plan to another plan(s), identify the plan(s) to which assets or liabilities were transferred. (See instructions.)

5b(1) Name of plan(s)	5b(2) EIN(s)	5b(3) PN(s)

5c Was the plan a defined benefit plan covered under the PBGC insurance program at any time during this plan year? (See ERISA section 4021 and instructions.) ☐ Yes ☐ No ☐ Not determined
If "Yes" is checked, enter the My PAA confirmation number from the PBGC premium filing for this plan year _____.

SCHEDULE R (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Retirement Plan Information This schedule is required to be filed under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6058(a) of the Internal Revenue Code (the Code). ► File as an attachment to Form 5500.	OMB No. 1210-0110 2022 This Form is Open to Public Inspection.
For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022		
A Name of plan MATERION CORPORATION RETIREMENT SAVINGS PLAN		B Three-digit plan number (PN) ► 003
C Plan sponsor's name as shown on line 2a of Form 5500 MATERION CORPORATION		D Employer Identification Number (EIN) 34-1919973
Part I Distributions		
All references to distributions relate only to payments of benefits during the plan year.		
1 Total value of distributions paid in property other than in cash or the forms of property specified in the instructions.....		1
2 Enter the EIN(s) of payor(s) who paid benefits on behalf of the plan to participants or beneficiaries during the year (if more than two, enter EINs of the two payors who paid the greatest dollar amounts of benefits): EIN(s): 04-6568107		
Profit-sharing plans, ESOPs, and stock bonus plans, skip line 3.		
3 Number of participants (living or deceased) whose benefits were distributed in a single sum, during the plan year.....		3
Part II Funding Information (If the plan is not subject to the minimum funding requirements of section 412 of the Internal Revenue Code or ERISA section 302, skip this Part.)		
4 Is the plan administrator making an election under Code section 412(d)(2) or ERISA section 302(d)(2)? ☐ Yes ☐ No ☐ N/A If the plan is a defined benefit plan, go to line 8.		
5 If a waiver of the minimum funding standard for a prior year is being amortized in this plan year, see instructions and enter the date of the ruling letter granting the waiver. Date: Month _____ Day _____ Year _____ If you completed line 5, complete lines 3, 9, and 10 of Schedule MB and do not complete the remainder of this schedule.		
6 a Enter the minimum required contribution for this plan year (include any prior year accumulated funding deficiency not waived).....		6a
b Enter the amount contributed by the employer to the plan for this plan year.....		6b
c Subtract the amount in line 6b from the amount in line 6a. Enter the result (enter a minus sign to the left of a negative amount).....		6c
If you completed line 6c, skip lines 8 and 9.		
7 Will the minimum funding amount reported on line 6c be met by the funding deadline? ☐ Yes ☐ No ☐ N/A		
8 If a change in actuarial cost method was made for this plan year pursuant to a revenue procedure or other authority providing automatic approval for the change or a class ruling letter, does the plan sponsor or plan administrator agree with the change? ☐ Yes ☐ No ☐ N/A		
Part III Amendments		
9 If this is a defined benefit pension plan, were any amendments adopted during this plan year that increased or decreased the value of benefits? If yes, check the appropriate box. If no, check the "No" box..... ☐ Increase ☐ Decrease ☐ Both ☐ No		
Part IV ESOPs (see instructions). If this is not a plan described under section 409(a) or 4975(e)(7) of the Internal Revenue Code, skip this Part.		
10 Were unallocated employer securities or proceeds from the sale of unallocated securities used to repay any exempt loan?..... ☐ Yes ☐ No		
11 a Does the ESOP hold any preferred stock?..... ☐ Yes ☐ No		
b If the ESOP has an outstanding exempt loan with the employer as lender, is such loan part of a "back-to-back" loan? (See instructions for definition of "back-to-back" loan.)..... ☐ Yes ☐ No		
12 Does the ESOP hold any stock that is not readily tradable on an established securities market?..... ☐ Yes ☐ No		
For Paperwork Reduction Act Notice, see the Instructions for Form 5500.		
Schedule R (Form 5500) 2022 v. 220413		

Part V Additional Information for Multiemployer Defined Benefit Pension Plans

13 Enter the following information for each employer that (1) contributed more than 5% of total contributions to the plan during the plan year or (2) was one of the top-ten highest contributors (measured in dollars). See instructions. *Complete as many entries as needed to report all applicable employers.*

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

14	Enter the number of deferred vested and retired participants (inactive participants), as of the beginning of the plan year, whose contributing employer is no longer making contributions to the plan for:		
	a The current plan year. Check the box to indicate the counting method used to determine the number of inactive participants: ☐ last contributing employer ☐ alternative ☐ reasonable approximation (see instructions for required attachment).....	14a	
	b The plan year immediately preceding the current plan year. ☐ Check the box if the number reported is a change from what was previously reported (see instructions for required attachment)	14b	
	c The second preceding plan year. ☐ Check the box if the number reported is a change from what was previously reported (see instructions for required attachment)	14c	
15	Enter the ratio of the number of participants under the plan on whose behalf no employer had an obligation to make an employer contribution during the current plan year to:		
	a The corresponding number for the plan year immediately preceding the current plan year.....	15a	
	b The corresponding number for the second preceding plan year.....	15b	
16	Information with respect to any employers who withdrew from the plan during the preceding plan year:		
	a Enter the number of employers who withdrew during the preceding plan year	16a	
	b If line 16a is greater than 0, enter the aggregate amount of withdrawal liability assessed or estimated to be assessed against such withdrawn employers.....	16b	
17	If assets and liabilities from another plan have been transferred to or merged with this plan during the plan year, check box and see instructions regarding supplemental information to be included as an attachment ☐		

Part VI	Additional Information for Single-Employer and Multiemployer Defined Benefit Pension Plans
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18	If any liabilities to participants or their beneficiaries under the plan as of the end of the plan year consist (in whole or in part) of liabilities to such participants and beneficiaries under two or more pension plans as of immediately before such plan year, check box and see instructions regarding supplemental information to be included as an attachment ☐
19	If the total number of participants is 1,000 or more, complete lines (a) through (c) a Enter the percentage of plan assets held as: Stock: _____% Investment-Grade Debt: _____% High-Yield Debt: _____% Real Estate: _____% Other: _____% b Provide the average duration of the combined investment-grade and high-yield debt: ☐ 0-3 years ☐ 3-6 years ☐ 6-9 years ☐ 9-12 years ☐ 12-15 years ☐ 15-18 years ☐ 18-21 years ☐ 21 years or more c What duration measure was used to calculate line 19(b)? ☐ Effective duration ☐ Macaulay duration ☐ Modified duration ☐ Other (specify): _____
20	PBGC missed contribution reporting requirements. If this is a multiemployer plan or a single-employer plan that is not covered by PBGC, skip line 20. a Is the amount of unpaid minimum required contributions for all years from Schedule SB (Form 5500) line 40 greater than zero? ☐ Yes ☐ No b If line 20a is "Yes," has PBGC been notified as required by ERISA sections 4043(c)(5) and/or 303(k)(4)? Check the applicable box: ☐ Yes. ☐ No. Reporting was waived under 29 CFR 4043.25(c)(2) because contributions equal to or exceeding the unpaid minimum required contribution were made by the 30th day after the due date. ☐ No. The 30-day period referenced in 29 CFR 4043.25(c)(2) has not yet ended, and the sponsor intends to make a contribution equal to or exceeding the unpaid minimum required contribution by the 30th day after the due date. ☐ No. Other. Provide explanation _____

MATERION CORPORATION RETIREMENT SAVINGS PLAN

FINANCIAL STATEMENTS
WITH
INDEPENDENT AUDITOR'S REPORT

DECEMBER 31, 2022

Materion Corporation Retirement Savings Plan

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MEADEN & MOORE

INDEPENDENT AUDITOR'S REPORT

To the Plan Administrator and Plan Participants of the Materion Corporation Retirement Savings Plan:

Opinion

We have audited the financial statements of Materion Corporation Retirement Savings Plan (the “Plan”), an employee benefit plan subject to the Employee Retirement Income Security Act of 1974 (ERISA), which comprise the statements of net assets available for benefits as of December 31, 2022 and 2021, and the related statement of changes in net assets available for benefits for the year ended December 31, 2022, and the related notes to the financial statements.

In our opinion, the accompanying financial statements present fairly, in all material respects, the net assets available for benefits of the Plan as of December 31, 2022 and 2021, and the changes in net assets available for benefits for the year then ended in accordance with accounting principles generally accepted in the United States of America.

Basis for Opinion

We conducted our audits in accordance with auditing standards generally accepted in the United States of America (GAAS). Our responsibilities under those standards are further described in the Auditor’s Responsibilities for the Audit of the Financial Statements section of our report. We are required to be independent of the Plan and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements relating to our audits. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Responsibilities of Management for the Financial Statements

Management is responsible for the preparation and fair presentation of the financial statements in accordance with accounting principles generally accepted in the United States of America, and for the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, management is required to evaluate whether there are conditions or events, considered in the aggregate, that raise substantial doubt about the Plan’s ability to continue as a going concern for one year after the date that the financial statements are issued.

Management is also responsible for maintaining a current plan instrument, including all Plan amendments, administering the Plan, and determining that the Plan’s transactions that are presented and disclosed in the financial statements are in conformity with the Plan’s provisions, including maintaining sufficient records with respect to each of the participants, to determine the benefits due or which may become due to such participants.

Auditor’s Responsibilities for the Audit of the Financial Statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor’s report that includes our opinion. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with GAAS will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Misstatements are considered material if there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the financial statements.

In performing an audit in accordance with GAAS, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Plan's internal control. Accordingly, no such opinion is expressed.
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the financial statements.
- Conclude whether, in our judgment, there are conditions or events, considered in the aggregate, that raise substantial doubt about the Plan's ability to continue as a going concern for a reasonable period of time.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit, significant audit findings, and certain internal control-related matters that we identified during the audit.

Supplemental Schedules Required by ERISA

Our audits were conducted for the purpose of forming an opinion on the financial statements as a whole. The supplemental Schedule of Assets (Held at End of Year) is presented for purposes of additional analysis and is not a required part of the financial statements but is supplementary information required by the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the financial statements. The information has been subjected to the auditing procedures applied in the audits of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the financial statements or to the financial statements themselves, and other additional procedures in accordance with GAAS.

In forming our opinion on the supplemental schedule, we evaluated whether the supplemental schedule, including its form and content, is presented in conformity with the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA.

In our opinion, the information in the accompanying schedule is fairly stated, in all material respects, in relation to the financial statements as a whole, and the form and content is presented in conformity with the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA.

A handwritten signature in blue ink, appearing to read "Meaden & Moore, Ltd.", is positioned above the printed name of the firm.

Meaden & Moore, Ltd.
Cleveland, Ohio

June 29, 2023

Materion Corporation Retirement Savings Plan
Statements of Net Assets Available for Benefits
December 31, 2022 and 2021

	<u>2022</u>	<u>2021</u>
Assets		
Investments at fair value	\$ 347,011,155	\$386,710,069
Receivables:		
Employer contributions	4,205,737	3,366,558
Participant contributions	375,059	—
Notes receivable from participants	5,850,613	6,027,320
Total receivables	10,431,409	9,393,878
Pending sales	12,635	—
Total Assets	357,455,199	396,103,947
Net assets available for benefits	<u>\$ 357,455,199</u>	<u>\$396,103,947</u>

See accompanying notes to financial statements.

Materion Corporation Retirement Savings Plan
Statement of Changes in Net Assets Available for Benefits
Year Ended December 31, 2022

Additions	
Investment income:	
Interest and dividends	\$ 12,525,752
Total investment income	12,525,752
Interest income on notes receivable from participants	90,216
Investments from acquisitions (Note A)	37,073,044
Contributions:	
Participants	18,174,071
Employer	13,871,304
Catch-up	762,673
Rollover	3,565,449
Total contributions	36,373,497
Total additions	86,062,509
Deductions	
Benefit payments	37,999,532
Net depreciation in fair value of investments	86,711,725
Total deductions	124,711,257
Net decrease	(38,648,748)
Net assets available for benefits:	
Beginning of year	396,103,947
End of year	\$ 357,455,199

See accompanying notes to financial statements.

Materion Corporation Retirement Savings Plan

Notes to Financial Statements

Note A - Description of the Plan

The following description of the Materion Corporation Retirement Savings Plan (the "Plan") provides only general information. Materion Corporation (the "Company") is the plan sponsor. Participants should refer to the plan document and Summary Plan Description for a more complete description of the Plan's provisions, copies of which may be obtained from the plan sponsor.

General

The Plan is a defined contribution plan that covers certain eligible employees of the Company. The Plan is subject to the provisions of the Employee Retirement Income Security Act of 1974 ("ERISA").

The Administrative Committee (the "Committee") is responsible for the general administration of the Plan. Fidelity Management Trust Company is the trustee and recordkeeper for the Plan.

Eligible participants are automatically enrolled in the Plan once they have attained 18 years of age unless they affirmatively decline to participate.

On November 1, 2021, the Company completed the acquisition of HCS - Electronic Materials ("H.C. Starck"). Effective January 1, 2022, the Plan was amended and merged in the employees of H.C. Starck. As part of the merger, the Company began making employer contributions on behalf of each eligible employee employed by H.C. Starck during the Plan year in an amount equal to 5% of each eligible employee's credited compensation for the Plan year. In the case of an employee of H.C. Starck who on December 31, 2005 participated in the Bayer Corporation Pension Plan or the H.C. Starck Retirement Plan and whose age plus benefit service equaled or exceeded 36 as of December 31, 2005, the Company began making a Bayer employer contribution on behalf of those employees. The contributions made are based on the age plus benefit service of those employees as of December 31, 2005. Effective May 2, 2022, the assets and liabilities of the H.C. Starck, Inc. Savings and Retirement Plan were transferred and merged with and into the Plan. Total net assets merged into the Plan were approximately \$37.1 million.

Contributions

The Plan allows employees of the Company to make contributions from 1% to 50% of their earnings through pre-tax (salary reduction), Roth, and/or after-tax contributions, subject to IRC limitations for 401(k) contributions, which was \$20,500 for 2022. Participants who have attained age 50 before the end of the Plan year are eligible to make catch-up contributions up to \$6,500 for 2022.

Participants may also elect to make a direct rollover contribution ("rollover") to the Plan of an eligible rollover distribution from another employer-sponsored qualified plan.

The Company has a match and annual non-elective retirement contribution feature. The Company matches at a rate of 100% of the first 4% of the participant's contribution. The annual non-elective retirement contribution is made for all U.S. eligible employees and is calculated as a percentage of the employee's eligible compensation each year based on the following table:

Age	Contribution Percentage
Under 40	1.50%
40.00-44.99	1.75%
45.00-49.99	2.00%
50.00-54.99	2.25%
55.00 and over	2.50%

Vesting

All participant and Company matching contributions are fully and immediately vested. All employees hired prior to May 26, 2012 who are eligible to receive the annual non-elective retirement contribution are fully vested in this contribution at all times. All employees hired on and after May 26, 2012 will be fully vested in the annual non-elective retirement contribution after three years of continuous service with the Company.

Forfeitures

Non-vested participants whose services with the Company have been terminated will forfeit their entire annual non-elective retirement contribution and earnings on those contributions. Forfeitures are used periodically to reduce employer matching contributions made to the Plan, as well as Plan expenses. Forfeited amounts used were \$164,000 and \$184,000 in 2022 and 2021, respectively.

Materion Corporation Retirement Savings Plan
Notes to Financial Statements - Continued

Participant Accounts

Each participant's account is credited with the participant's contributions, the Company's contributions, rollovers, and Plan earnings based on the participant's relative investment holdings. Administrative expenses are also allocated to participant's accounts based on the participant's account balances, as defined. The benefit to which a participant is entitled is the benefit that can be provided from the participant's vested account.

Participant Loans

A participant may borrow funds from his/her account, provided such loan is secured by 50% of the value of the participant's account, immediately prior to the loan and evidenced by a promissory note executed by the participant; however, a loan may not be drawn from the participant's annual retirement contributions.

Participants may borrow from their accounts with a minimum loan amount of \$500 up to a maximum equal to the lesser of \$50,000 or 50% of their vested account balance. Loan terms range from one to five years or up to 15 years for the purchase of a principal residence. The \$50,000 limit is reduced by the participant's highest outstanding loan balance during the preceding 12-month period. A participant may not have more than one loan outstanding at any point in time. The loans are secured by the balance in the participant's account and bear interest at a rate commensurate with local prevailing rates at the date of issuance as determined monthly by the plan administrator. Principal and interest is paid ratably through bi-weekly, or weekly (as applicable) payroll deductions over not more than five years, except for loans to purchase a principal residence. If a participant terminates employment with the Company, they may continue to make loan payments through a pre-authorized check agreement. If the loan is not repaid, it will automatically be treated as a distribution to the participant after one full calendar quarter of nonpayment.

Payment of Benefits

At retirement, death or other termination, a participant (or his death beneficiary) is eligible to receive a distribution of all employee and Company matching and vested retirement contributions credited to the employee's account plus or minus any net gain or loss thereon. Prior to termination of employment, distribution of certain amounts is permitted, not including, however, annual retirement contributions.

The value of distributions and withdrawals is based on the value of a participant's vested account on the valuation date immediately preceding the date of distribution or withdrawal and is deducted from the participant's account as of such valuation date. Benefits are recorded when paid.

Distribution to a participant or a person designated by the participant as his death beneficiary is made under one or more (as applicable) of the following methods as elected by the participant (or in certain cases the death beneficiary):

- i. Lump sum payment in cash;
- ii. Lump sum payment in cash, except that a participant's interest in the Company Stock Fund will be paid in full shares of Common Stock of the Company, with any fractional shares being paid in cash; and
- iii. Periodic distributions, not more frequently than monthly, of at least \$200.

Administrative Expenses

The Plan's administrative expenses are paid by either the Plan or the Company, as provided by the Plan's provisions. Administrative expenses paid by the Plan include record keeping, legal, and trustee fees. Expenses relating to purchases, sales, or transfers of the Plan's investments are charged to the particular investment fund to which the expenses relate. All other administrative expenses of the Plan are paid by the Company. Expenses that are paid by the Company are excluded from these financial statements.

Investment Options

Upon enrollment in the Plan, a participant may direct employee contributions in any of the funds provided by the Plan. Participant elections may be adjusted or reallocated at any time by the participants. The Administrative Committee may adopt rules, procedures, and restrictions (e.g., timing and frequency restrictions) for transfers to or from any of the investment options.

Plan Termination

Although it has not expressed any intent to do so, the Company has the right under the Plan to terminate the Plan subject to the provisions of ERISA. In the event the Plan terminates, participants will receive distributions as if each participant of the Plan were fully vested, and had then terminated his or her employment.

**Materion Corporation Retirement Savings Plan
Notes to Financial Statements - Continued**

Note B - Summary of Accounting Policies

Basis of Accounting

The financial statements of the Plan have been prepared on the accrual basis of accounting in accordance with accounting principles generally accepted in the United States ("U.S. GAAP").

Investment Valuation

Investments are stated at fair value. The common/collective trusts are reported at net asset value ("NAV") as a practical expedient for fair value. Fair value is defined as the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date (an exit price). See Note E for further discussion of fair value measurements.

Purchases and sales of securities are recorded on a trade-date basis. Interest and dividend income is recorded on the accrual basis. Dividends are recorded on the ex-dividend date. Net appreciation/(depreciation) includes gains and losses on investments bought and sold, as well as held during the year.

The Materion Corporation Retirement Plan Investment Committee is responsible for determining the Plan's valuation policies and analyzing information provided by the investment custodians and issuers that is used to determine the fair value of the Plan's investments. The Materion Corporation Retirement Plan Investment Committee is comprised of three senior executive members of Materion and reports to the Board of Directors of the Company.

Notes Receivable from Participants

Notes receivable from participants represent participant loans that are recorded at their unpaid principal balance plus any accrued but unpaid interest. Interest income on notes receivable from participants is recorded when it is earned. Related fees are recorded as administrative expenses and are expensed when they are incurred. No allowance for credit losses has been recorded as of December 31, 2022 or 2021. If a participant ceases to make loan repayments and the plan administrator deems the participant loan to be a distribution, the participant loan balance is reduced and a benefit payment is recorded.

Use of Estimates

The preparation of financial statements in conformity with U.S. GAAP requires management to make estimates that affect the amounts reported in the financial statements and accompanying notes and supplemental schedules. Actual results could differ from those estimates.

Reclassifications

Certain prior year amounts have been reclassified to conform with the current year's presentation.

Note C - Income Tax Status

The Plan has received a determination letter from the Internal Revenue Service (the "IRS") dated March 10, 2014, stating that the Plan is qualified under Section 401(a) of the Internal Revenue Code (the "Code") and, therefore, the related trust is exempt from taxation. Subsequent to this determination by the IRS, the Plan was amended. Once qualified, the Plan is required to operate in conformity with the Code to maintain its qualification and there have not been any reasons to submit an application for an updated determination letter under the guidance of IRS statute - Rev. Proc. 2016-37. The Plan Administrator believes the Plan is being operated in compliance with the applicable requirements of the Code and, therefore, believes that the Plan, as amended, is qualified and the related trust is tax-exempt.

U.S. GAAP requires Plan management to evaluate uncertain tax positions taken by the Plan. The financial statement effects of a tax position are recognized when the position is more likely than not, based on the technical merits, to be sustained upon examination by the IRS. The Plan administrator has analyzed the tax positions taken by the Plan, and has concluded that as of December 31, 2022, there are no uncertain positions taken or expected to be taken. The Plan has recognized no interest or penalties related to uncertain tax positions. The Plan is subject to routine audits by taxing jurisdictions. The Plan is currently going through an audit with the Department of Labor. Management does not expect the results of the audit to impact the Plan.

Note D - Transactions with Related Parties and Parties-in-Interest

Certain investments that are held by the Plan are investment funds managed by Fidelity Investments. Fidelity Management Trust Company, a subsidiary of Fidelity Investments, is the trustee as defined by the Plan and, therefore, these transactions qualify as party-in-interest transactions.

Materion Corporation Retirement Savings Plan
Notes to Financial Statements - Continued

The Plan invests in the common stock of the Company. These transactions qualify as party-in-interest transactions; however, they are exempt from the prohibited transaction rules under ERISA. During 2022, the Plan received \$119,998 in cash dividends from investments in common stock of the Company.

During 2022, the Plan had the following transactions related to shares of Materion Corporation Common Stock:

Purchases	\$ 4,567,775
Sales	\$ 5,204,893

The Plan has arrangements with various service providers and these arrangements qualify as party in interest transactions.

Note E - Fair Value Measurements

The fair value framework establishes a fair value hierarchy that prioritizes the inputs to valuation techniques used to measure fair value. The fair value hierarchy gives the highest priority to unadjusted quoted prices in active markets for identical assets and liabilities (Level 1) and the lowest priority to unobservable inputs (Level 3). The three levels of the fair value hierarchy are described below.

Level 1 - Unadjusted quoted prices in active markets that are accessible to the reporting entity at the measurement date for identical assets and liabilities.

Level 2 - Inputs other than quoted prices in active markets for identical assets and liabilities that are observable either directly or indirectly for substantially the full term of the asset or liability. Level 2 inputs include the following:

- Quoted prices for similar assets and liabilities in active markets
- Quoted prices for identical or similar assets or liabilities in markets that are not active
- Observable inputs other than quoted prices that are used in the valuation of the asset or liabilities (e.g., interest rate and yield curve quotes at commonly quoted intervals)
- Inputs that are derived principally from or corroborated by observable market data by correlation or other means

Level 3 - Unobservable inputs for the asset or liability (i.e., supported by little or no market activity). Level 3 inputs include management's own assumption about the assumptions that market participants would use in pricing the asset or liability (including assumptions about risk).

The level in the fair value hierarchy within which the fair value measurement is classified is determined based on the lowest level input that is significant to the fair value measure in its entirety.

The following is a description of the valuation methods used for assets measured at fair value. There have been no changes in methodologies used at December 31, 2022.

Materion Common Stock: The fair values of these securities are based on observable market quotations for identical assets and are valued at the closing price reported on the active market on which the individual securities are traded.

Mutual Funds: These investments are publicly traded investment vehicles, which are valued daily at the closing price reported on the active market on which the individual securities are traded.

Money Market Funds: These investments include short-term instruments and cash and are valued based on quoted market prices.

Common/Collective Trust: Common/collective trust funds are maintained by investment companies and hold investments in accordance with a stated set of fund objectives. For common/collective trust funds which are not publicly quoted, the funds are valued using the NAV per fund share as a practical expedient, which is primarily derived from the quoted prices in active markets of the underlying securities, and are not classified within the fair value hierarchy. The common/collective trust funds provide for daily redemptions by the Plan at reported net asset values per share, with no advance notice requirement.

The methods described above may produce a fair value calculation that may not be indicative of net realizable value or reflective of future fair values. Furthermore, while the Plan believes its valuation methods are appropriate and consistent with other market participants, the use of different methodologies or assumptions to determine the fair value of certain financial instruments could result in a different fair value measurement.

The following table sets forth by level, within the fair value hierarchy, the Plan's assets at fair value as of December 31, 2022 and 2021:

Materion Corporation Retirement Savings Plan
Notes to Financial Statements - Continued

Assets at Fair Value as of December 31, 2022

	Level 1	Level 2	Level 3	Total
Materion Common Stock	\$ 20,268,192	\$ —	\$ —	\$ 20,268,192
Mutual Funds	128,479,792	—	—	128,479,792
Money Market Funds	27,465,371	—	—	27,465,371
Other investments measured at NAV ⁽¹⁾	—	—	—	170,797,800
Total investments	<u>\$ 176,213,355</u>	<u>\$ —</u>	<u>\$ —</u>	<u>\$ 347,011,155</u>

Assets at Fair Value as of December 31, 2021

	Level 1	Level 2	Level 3	Total
Materion Common Stock	\$ 21,636,664	\$ —	\$ —	\$ 21,636,664
Mutual Funds	341,065,729	—	—	341,065,729
Money Market Funds	24,007,676	—	—	24,007,676
Total investments	<u>\$ 386,710,069</u>	<u>\$ —</u>	<u>\$ —</u>	<u>\$ 386,710,069</u>

⁽¹⁾ In accordance with subtopic 820-10, certain investments that are measured at fair value using the NAV per share practical expedient have not been classified in the fair value hierarchy. The fair value amounts presented in this table are intended to permit reconciliation of the fair value hierarchy to the amounts presented in the Statement of Net Assets Available for Benefits.

Note F - Risks and Uncertainties

The Plan invests in various investment securities. Investment securities are exposed to various risks such as interest rate, market, and credit risks. Due to the level of risk associated with certain investment securities, it is at least reasonably possible that changes in the values of investment securities will occur in the near term and that such changes could materially affect participants' account balances and the amounts reported in the statements of net assets available for benefits.

Note G - Subsequent Events

Management evaluates events occurring through June 29, 2023 in determining the accounting for and disclosure of transactions and events that affect the financial statements.

Effective January 1, 2023, the 5% employer contributions for the former H.C. Starck employees was discontinued and former H.C. Starck employees transitioned to the annual non-elective retirement contribution based on age, as noted in Note A.

Materion Corporation Retirement Savings Plan
EIN: 34-1919973 Plan Number—003
Schedule H, Line 4i, Schedule of Assets (Held at End of Year) December 31, 2022

	Description of Investment	Current Value
Materion Corporation Common Stock*	231,610.014 shares	\$ 20,268,192
Mutual Funds:		
AS Emrg. Mkts EQ R6	91,077.692 shares	2,145,790
DFA U.S. Large Cap Value Fund	298,429.910 shares	12,384,841
Dodge & Cox International Stock Fund*	114,315.310 shares	4,928,133
Fidelity Diversified International Fund K*	275,238.240 shares	10,010,415
Fidelity Spartan 500 Index*	309,369.649 shares	41,183,288
Harbor Small Cap Growth Fund Retirement*	590,493.386 shares	6,454,093
Harbor Small Cap Value Institutional Class*	133,396.458 shares	4,782,263
PIM Divers Inc. Inst.	188,194.133 shares	1,710,685
Prudential Global Real Estate Fund	63,973.468 shares	1,129,132
Prudential Total Return Bond Q	1,505,593.982 shares	17,675,673
Vanguard Balanced Index Fund Institutional	253,166.881 shares	10,040,598
Vanguard Inflation-Protected Securities Fund Institutional	481,636.614 shares	4,541,833
Vanguard Mid-Cap Index Fund Institutional	206,079.399 shares	11,493,048
		128,479,792
Money Market Funds:		
Fidelity Cash Reserves Fund*	4,610.000 shares	4,610
Fidelity Government Money Market Fund*	27,460,761.220 shares	27,460,761
		27,465,371
Common/Collective Trusts:		
Vanguard Retirement Savings TR III	6,125,300.170 shares	6,125,300
Fidelity Freedom Blend 2065 Q*	74,290.187 shares	937,542
Fidelity Freedom Blend 2055 Q*	311,374.929 shares	7,407,610
Fidelity Freedom Blend 2060 Q*	256,989.138 shares	4,096,407
Fidelity Freedom Blend INC Q*	87,717.699 shares	1,306,117
Fidelity Freedom Blend 2005 Q*	28,894.705 shares	470,984
Fidelity Freedom Blend 2010 Q*	24,684.870 shares	446,796
Fidelity Freedom Blend 2015 Q*	110,732.300 shares	2,080,660
Fidelity Freedom Blend 2020 Q*	581,836.600 shares	10,973,438
Fidelity Freedom Blend 2025 Q*	876,673.878 shares	17,568,545
Fidelity Freedom Blend 2030 Q*	1,212,950.624 shares	24,889,747
Fidelity Freedom Blend 2035 Q*	885,616.395 shares	19,642,972
Fidelity Freedom Blend 2040 Q*	604,351.817 shares	13,525,394
Fidelity Freedom Blend 2045 Q*	578,017.929 shares	13,005,403
Fidelity Freedom Blend 2050 Q*	359,622.502 shares	7,980,023
Fidelity Blue Chip Growth Commingled Pool*	1,744,092.619 shares	40,340,862
		170,797,800
Interest rates ranging from 0.14% to 6.75% with maturity dates through 2036		
Participant loans*		5,850,613
		352,861,768

* Party-in-interest to the Plan.

MATERION CORPORATION RETIREMENT SAVINGS PLAN

FINANCIAL STATEMENTS
WITH
INDEPENDENT AUDITOR'S REPORT

DECEMBER 31, 2022

Materion Corporation Retirement Savings Plan

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MEADEN & MOORE

INDEPENDENT AUDITOR'S REPORT

To the Plan Administrator and Plan Participants of the Materion Corporation Retirement Savings Plan:

Opinion

We have audited the financial statements of Materion Corporation Retirement Savings Plan (the “Plan”), an employee benefit plan subject to the Employee Retirement Income Security Act of 1974 (ERISA), which comprise the statements of net assets available for benefits as of December 31, 2022 and 2021, and the related statement of changes in net assets available for benefits for the year ended December 31, 2022, and the related notes to the financial statements.

In our opinion, the accompanying financial statements present fairly, in all material respects, the net assets available for benefits of the Plan as of December 31, 2022 and 2021, and the changes in net assets available for benefits for the year then ended in accordance with accounting principles generally accepted in the United States of America.

Basis for Opinion

We conducted our audits in accordance with auditing standards generally accepted in the United States of America (GAAS). Our responsibilities under those standards are further described in the Auditor’s Responsibilities for the Audit of the Financial Statements section of our report. We are required to be independent of the Plan and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements relating to our audits. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Responsibilities of Management for the Financial Statements

Management is responsible for the preparation and fair presentation of the financial statements in accordance with accounting principles generally accepted in the United States of America, and for the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, management is required to evaluate whether there are conditions or events, considered in the aggregate, that raise substantial doubt about the Plan’s ability to continue as a going concern for one year after the date that the financial statements are issued.

Management is also responsible for maintaining a current plan instrument, including all Plan amendments, administering the Plan, and determining that the Plan’s transactions that are presented and disclosed in the financial statements are in conformity with the Plan’s provisions, including maintaining sufficient records with respect to each of the participants, to determine the benefits due or which may become due to such participants.

Auditor’s Responsibilities for the Audit of the Financial Statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor’s report that includes our opinion. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with GAAS will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Misstatements are considered material if there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the financial statements.

In performing an audit in accordance with GAAS, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Plan's internal control. Accordingly, no such opinion is expressed.
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the financial statements.
- Conclude whether, in our judgment, there are conditions or events, considered in the aggregate, that raise substantial doubt about the Plan's ability to continue as a going concern for a reasonable period of time.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit, significant audit findings, and certain internal control-related matters that we identified during the audit.

Supplemental Schedules Required by ERISA

Our audits were conducted for the purpose of forming an opinion on the financial statements as a whole. The supplemental Schedule of Assets (Held at End of Year) is presented for purposes of additional analysis and is not a required part of the financial statements but is supplementary information required by the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the financial statements. The information has been subjected to the auditing procedures applied in the audits of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the financial statements or to the financial statements themselves, and other additional procedures in accordance with GAAS.

In forming our opinion on the supplemental schedule, we evaluated whether the supplemental schedule, including its form and content, is presented in conformity with the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA.

In our opinion, the information in the accompanying schedule is fairly stated, in all material respects, in relation to the financial statements as a whole, and the form and content is presented in conformity with the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA.

A handwritten signature in blue ink, appearing to read "Meaden & Moore, Ltd.", is positioned above the printed name of the firm.

Meaden & Moore, Ltd.
Cleveland, Ohio

June 29, 2023

Materion Corporation Retirement Savings Plan
Statements of Net Assets Available for Benefits
December 31, 2022 and 2021

	<u>2022</u>	<u>2021</u>
Assets		
Investments at fair value	\$ 347,011,155	\$386,710,069
Receivables:		
Employer contributions	4,205,737	3,366,558
Participant contributions	375,059	—
Notes receivable from participants	5,850,613	6,027,320
Total receivables	10,431,409	9,393,878
Pending sales	12,635	—
Total Assets	357,455,199	396,103,947
Net assets available for benefits	<u>\$ 357,455,199</u>	<u>\$396,103,947</u>

See accompanying notes to financial statements.

Materion Corporation Retirement Savings Plan
Statement of Changes in Net Assets Available for Benefits
Year Ended December 31, 2022

Additions	
Investment income:	
Interest and dividends	\$ 12,525,752
Total investment income	12,525,752
Interest income on notes receivable from participants	90,216
Investments from acquisitions (Note A)	37,073,044
Contributions:	
Participants	18,174,071
Employer	13,871,304
Catch-up	762,673
Rollover	3,565,449
Total contributions	36,373,497
Total additions	86,062,509
Deductions	
Benefit payments	37,999,532
Net depreciation in fair value of investments	86,711,725
Total deductions	124,711,257
Net decrease	(38,648,748)
Net assets available for benefits:	
Beginning of year	396,103,947
End of year	\$ 357,455,199

See accompanying notes to financial statements.

Materion Corporation Retirement Savings Plan

Notes to Financial Statements

Note A - Description of the Plan

The following description of the Materion Corporation Retirement Savings Plan (the "Plan") provides only general information. Materion Corporation (the "Company") is the plan sponsor. Participants should refer to the plan document and Summary Plan Description for a more complete description of the Plan's provisions, copies of which may be obtained from the plan sponsor.

General

The Plan is a defined contribution plan that covers certain eligible employees of the Company. The Plan is subject to the provisions of the Employee Retirement Income Security Act of 1974 ("ERISA").

The Administrative Committee (the "Committee") is responsible for the general administration of the Plan. Fidelity Management Trust Company is the trustee and recordkeeper for the Plan.

Eligible participants are automatically enrolled in the Plan once they have attained 18 years of age unless they affirmatively decline to participate.

On November 1, 2021, the Company completed the acquisition of HCS - Electronic Materials ("H.C. Starck"). Effective January 1, 2022, the Plan was amended and merged in the employees of H.C. Starck. As part of the merger, the Company began making employer contributions on behalf of each eligible employee employed by H.C. Starck during the Plan year in an amount equal to 5% of each eligible employee's credited compensation for the Plan year. In the case of an employee of H.C. Starck who on December 31, 2005 participated in the Bayer Corporation Pension Plan or the H.C. Starck Retirement Plan and whose age plus benefit service equaled or exceeded 36 as of December 31, 2005, the Company began making a Bayer employer contribution on behalf of those employees. The contributions made are based on the age plus benefit service of those employees as of December 31, 2005. Effective May 2, 2022, the assets and liabilities of the H.C. Starck, Inc. Savings and Retirement Plan were transferred and merged with and into the Plan. Total net assets merged into the Plan were approximately \$37.1 million.

Contributions

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Vesting

All participant and Company matching contributions are fully and immediately vested. All employees hired prior to May 26, 2012 who are eligible to receive the annual non-elective retirement contribution are fully vested in this contribution at all times. All employees hired on and after May 26, 2012 will be fully vested in the annual non-elective retirement contribution after three years of continuous service with the Company.

Forfeitures

Non-vested participants whose services with the Company have been terminated will forfeit their entire annual non-elective retirement contribution and earnings on those contributions. Forfeitures are used periodically to reduce employer matching contributions made to the Plan, as well as Plan expenses. Forfeited amounts used were \$164,000 and \$184,000 in 2022 and 2021, respectively.

Materion Corporation Retirement Savings Plan
Notes to Financial Statements - Continued

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Each participant's account is credited with the participant's contributions, the Company's contributions, rollovers, and Plan earnings based on the participant's relative investment holdings. Administrative expenses are also allocated to participant's accounts based on the participant's account balances, as defined. The benefit to which a participant is entitled is the benefit that can be provided from the participant's vested account.

Participant Loans

A participant may borrow funds from his/her account, provided such loan is secured by 50% of the value of the participant's account, immediately prior to the loan and evidenced by a promissory note executed by the participant; however, a loan may not be drawn from the participant's annual retirement contributions.

Participants may borrow from their accounts with a minimum loan amount of \$500 up to a maximum equal to the lesser of \$50,000 or 50% of their vested account balance. Loan terms range from one to five years or up to 15 years for the purchase of a principal residence. The \$50,000 limit is reduced by the participant's highest outstanding loan balance during the preceding 12-month period. A participant may not have more than one loan outstanding at any point in time. The loans are secured by the balance in the participant's account and bear interest at a rate commensurate with local prevailing rates at the date of issuance as determined monthly by the plan administrator. Principal and interest is paid ratably through bi-weekly, or weekly (as applicable) payroll deductions over not more than five years, except for loans to purchase a principal residence. If a participant terminates employment with the Company, they may continue to make loan payments through a pre-authorized check agreement. If the loan is not repaid, it will automatically be treated as a distribution to the participant after one full calendar quarter of nonpayment.

Payment of Benefits

At retirement, death or other termination, a participant (or his death beneficiary) is eligible to receive a distribution of all employee and Company matching and vested retirement contributions credited to the employee's account plus or minus any net gain or loss thereon. Prior to termination of employment, distribution of certain amounts is permitted, not including, however, annual retirement contributions.

The value of distributions and withdrawals is based on the value of a participant's vested account on the valuation date immediately preceding the date of distribution or withdrawal and is deducted from the participant's account as of such valuation date. Benefits are recorded when paid.

Distribution to a participant or a person designated by the participant as his death beneficiary is made under one or more (as applicable) of the following methods as elected by the participant (or in certain cases the death beneficiary):

- i. Lump sum payment in cash;
- ii. Lump sum payment in cash, except that a participant's interest in the Company Stock Fund will be paid in full shares of Common Stock of the Company, with any fractional shares being paid in cash; and
- iii. Periodic distributions, not more frequently than monthly, of at least \$200.

Administrative Expenses

The Plan's administrative expenses are paid by either the Plan or the Company, as provided by the Plan's provisions. Administrative expenses paid by the Plan include record keeping, legal, and trustee fees. Expenses relating to purchases, sales, or transfers of the Plan's investments are charged to the particular investment fund to which the expenses relate. All other administrative expenses of the Plan are paid by the Company. Expenses that are paid by the Company are excluded from these financial statements.

Investment Options

Upon enrollment in the Plan, a participant may direct employee contributions in any of the funds provided by the Plan. Participant elections may be adjusted or reallocated at any time by the participants. The Administrative Committee may adopt rules, procedures, and restrictions (e.g., timing and frequency restrictions) for transfers to or from any of the investment options.

Plan Termination

Although it has not expressed any intent to do so, the Company has the right under the Plan to terminate the Plan subject to the provisions of ERISA. In the event the Plan terminates, participants will receive distributions as if each participant of the Plan were fully vested, and had then terminated his or her employment.

**Materion Corporation Retirement Savings Plan
Notes to Financial Statements - Continued**

Note B - Summary of Accounting Policies

Basis of Accounting

The financial statements of the Plan have been prepared on the accrual basis of accounting in accordance with accounting principles generally accepted in the United States ("U.S. GAAP").

Investment Valuation

Investments are stated at fair value. The common/collective trusts are reported at net asset value ("NAV") as a practical expedient for fair value. Fair value is defined as the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date (an exit price). See Note E for further discussion of fair value measurements.

Purchases and sales of securities are recorded on a trade-date basis. Interest and dividend income is recorded on the accrual basis. Dividends are recorded on the ex-dividend date. Net appreciation/(depreciation) includes gains and losses on investments bought and sold, as well as held during the year.

The Materion Corporation Retirement Plan Investment Committee is responsible for determining the Plan's valuation policies and analyzing information provided by the investment custodians and issuers that is used to determine the fair value of the Plan's investments. The Materion Corporation Retirement Plan Investment Committee is comprised of three senior executive members of Materion and reports to the Board of Directors of the Company.

Notes Receivable from Participants

Notes receivable from participants represent participant loans that are recorded at their unpaid principal balance plus any accrued but unpaid interest. Interest income on notes receivable from participants is recorded when it is earned. Related fees are recorded as administrative expenses and are expensed when they are incurred. No allowance for credit losses has been recorded as of December 31, 2022 or 2021. If a participant ceases to make loan repayments and the plan administrator deems the participant loan to be a distribution, the participant loan balance is reduced and a benefit payment is recorded.

Use of Estimates

The preparation of financial statements in conformity with U.S. GAAP requires management to make estimates that affect the amounts reported in the financial statements and accompanying notes and supplemental schedules. Actual results could differ from those estimates.

Reclassifications

Certain prior year amounts have been reclassified to conform with the current year's presentation.

Note C - Income Tax Status

The Plan has received a determination letter from the Internal Revenue Service (the "IRS") dated March 10, 2014, stating that the Plan is qualified under Section 401(a) of the Internal Revenue Code (the "Code") and, therefore, the related trust is exempt from taxation. Subsequent to this determination by the IRS, the Plan was amended. Once qualified, the Plan is required to operate in conformity with the Code to maintain its qualification and there have not been any reasons to submit an application for an updated determination letter under the guidance of IRS statute - Rev. Proc. 2016-37. The Plan Administrator believes the Plan is being operated in compliance with the applicable requirements of the Code and, therefore, believes that the Plan, as amended, is qualified and the related trust is tax-exempt.

U.S. GAAP requires Plan management to evaluate uncertain tax positions taken by the Plan. The financial statement effects of a tax position are recognized when the position is more likely than not, based on the technical merits, to be sustained upon examination by the IRS. The Plan administrator has analyzed the tax positions taken by the Plan, and has concluded that as of December 31, 2022, there are no uncertain positions taken or expected to be taken. The Plan has recognized no interest or penalties related to uncertain tax positions. The Plan is subject to routine audits by taxing jurisdictions. The Plan is currently going through an audit with the Department of Labor. Management does not expect the results of the audit to impact the Plan.

Note D - Transactions with Related Parties and Parties-in-Interest

Certain investments that are held by the Plan are investment funds managed by Fidelity Investments. Fidelity Management Trust Company, a subsidiary of Fidelity Investments, is the trustee as defined by the Plan and, therefore, these transactions qualify as party-in-interest transactions.

Materion Corporation Retirement Savings Plan
Notes to Financial Statements - Continued

The Plan invests in the common stock of the Company. These transactions qualify as party-in-interest transactions; however, they are exempt from the prohibited transaction rules under ERISA. During 2022, the Plan received \$119,998 in cash dividends from investments in common stock of the Company.

During 2022, the Plan had the following transactions related to shares of Materion Corporation Common Stock:

Purchases	\$ 4,567,775
Sales	\$ 5,204,893

The Plan has arrangements with various service providers and these arrangements qualify as party in interest transactions.

Note E - Fair Value Measurements

The fair value framework establishes a fair value hierarchy that prioritizes the inputs to valuation techniques used to measure fair value. The fair value hierarchy gives the highest priority to unadjusted quoted prices in active markets for identical assets and liabilities (Level 1) and the lowest priority to unobservable inputs (Level 3). The three levels of the fair value hierarchy are described below.

Level 1 - Unadjusted quoted prices in active markets that are accessible to the reporting entity at the measurement date for identical assets and liabilities.

Level 2 - Inputs other than quoted prices in active markets for identical assets and liabilities that are observable either directly or indirectly for substantially the full term of the asset or liability. Level 2 inputs include the following:

- Quoted prices for similar assets and liabilities in active markets
- Quoted prices for identical or similar assets or liabilities in markets that are not active
- Observable inputs other than quoted prices that are used in the valuation of the asset or liabilities (e.g., interest rate and yield curve quotes at commonly quoted intervals)
- Inputs that are derived principally from or corroborated by observable market data by correlation or other means

Level 3 - Unobservable inputs for the asset or liability (i.e., supported by little or no market activity). Level 3 inputs include management's own assumption about the assumptions that market participants would use in pricing the asset or liability (including assumptions about risk).

The level in the fair value hierarchy within which the fair value measurement is classified is determined based on the lowest level input that is significant to the fair value measure in its entirety.

The following is a description of the valuation methods used for assets measured at fair value. There have been no changes in methodologies used at December 31, 2022.

Materion Common Stock: The fair values of these securities are based on observable market quotations for identical assets and are valued at the closing price reported on the active market on which the individual securities are traded.

Mutual Funds: These investments are publicly traded investment vehicles, which are valued daily at the closing price reported on the active market on which the individual securities are traded.

Money Market Funds: These investments include short-term instruments and cash and are valued based on quoted market prices.

Common/Collective Trust: Common/collective trust funds are maintained by investment companies and hold investments in accordance with a stated set of fund objectives. For common/collective trust funds which are not publicly quoted, the funds are valued using the NAV per fund share as a practical expedient, which is primarily derived from the quoted prices in active markets of the underlying securities, and are not classified within the fair value hierarchy. The common/collective trust funds provide for daily redemptions by the Plan at reported net asset values per share, with no advance notice requirement.

The methods described above may produce a fair value calculation that may not be indicative of net realizable value or reflective of future fair values. Furthermore, while the Plan believes its valuation methods are appropriate and consistent with other market participants, the use of different methodologies or assumptions to determine the fair value of certain financial instruments could result in a different fair value measurement.

The following table sets forth by level, within the fair value hierarchy, the Plan's assets at fair value as of December 31, 2022 and 2021:

Materion Corporation Retirement Savings Plan
Notes to Financial Statements - Continued

Assets at Fair Value as of December 31, 2022

	Level 1	Level 2	Level 3	Total
Materion Common Stock	\$ 20,268,192	\$ —	\$ —	\$ 20,268,192
Mutual Funds	128,479,792	—	—	128,479,792
Money Market Funds	27,465,371	—	—	27,465,371
Other investments measured at NAV ⁽¹⁾	—	—	—	170,797,800
Total investments	<u>\$ 176,213,355</u>	<u>\$ —</u>	<u>\$ —</u>	<u>\$ 347,011,155</u>

Assets at Fair Value as of December 31, 2021

	Level 1	Level 2	Level 3	Total
Materion Common Stock	\$ 21,636,664	\$ —	\$ —	\$ 21,636,664
Mutual Funds	341,065,729	—	—	341,065,729
Money Market Funds	24,007,676	—	—	24,007,676
Total investments	<u>\$ 386,710,069</u>	<u>\$ —</u>	<u>\$ —</u>	<u>\$ 386,710,069</u>

⁽¹⁾ In accordance with subtopic 820-10, certain investments that are measured at fair value using the NAV per share practical expedient have not been classified in the fair value hierarchy. The fair value amounts presented in this table are intended to permit reconciliation of the fair value hierarchy to the amounts presented in the Statement of Net Assets Available for Benefits.

Note F - Risks and Uncertainties

The Plan invests in various investment securities. Investment securities are exposed to various risks such as interest rate, market, and credit risks. Due to the level of risk associated with certain investment securities, it is at least reasonably possible that changes in the values of investment securities will occur in the near term and that such changes could materially affect participants' account balances and the amounts reported in the statements of net assets available for benefits.

Note G - Subsequent Events

Management evaluates events occurring through June 29, 2023 in determining the accounting for and disclosure of transactions and events that affect the financial statements.

Effective January 1, 2023, the 5% employer contributions for the former H.C. Starck employees was discontinued and former H.C. Starck employees transitioned to the annual non-elective retirement contribution based on age, as noted in Note A.

Materion Corporation Retirement Savings Plan
EIN: 34-1919973 Plan Number—003
Schedule H, Line 4i, Schedule of Assets (Held at End of Year) December 31, 2022

	Description of Investment	Current Value
Materion Corporation Common Stock*	231,610.014 shares	\$ 20,268,192
Mutual Funds:		
AS Emrg. Mkts EQ R6	91,077.692 shares	2,145,790
DFA U.S. Large Cap Value Fund	298,429.910 shares	12,384,841
Dodge & Cox International Stock Fund*	114,315.310 shares	4,928,133
Fidelity Diversified International Fund K*	275,238.240 shares	10,010,415
Fidelity Spartan 500 Index*	309,369.649 shares	41,183,288
Harbor Small Cap Growth Fund Retirement*	590,493.386 shares	6,454,093
Harbor Small Cap Value Institutional Class*	133,396.458 shares	4,782,263
PIM Divers Inc. Inst.	188,194.133 shares	1,710,685
Prudential Global Real Estate Fund	63,973.468 shares	1,129,132
Prudential Total Return Bond Q	1,505,593.982 shares	17,675,673
Vanguard Balanced Index Fund Institutional	253,166.881 shares	10,040,598
Vanguard Inflation-Protected Securities Fund Institutional	481,636.614 shares	4,541,833
Vanguard Mid-Cap Index Fund Institutional	206,079.399 shares	11,493,048
		128,479,792
Money Market Funds:		
Fidelity Cash Reserves Fund*	4,610.000 shares	4,610
Fidelity Government Money Market Fund*	27,460,761.220 shares	27,460,761
		27,465,371
Common/Collective Trusts:		
Vanguard Retirement Savings TR III	6,125,300.170 shares	6,125,300
Fidelity Freedom Blend 2065 Q*	74,290.187 shares	937,542
Fidelity Freedom Blend 2055 Q*	311,374.929 shares	7,407,610
Fidelity Freedom Blend 2060 Q*	256,989.138 shares	4,096,407
Fidelity Freedom Blend INC Q*	87,717.699 shares	1,306,117
Fidelity Freedom Blend 2005 Q*	28,894.705 shares	470,984
Fidelity Freedom Blend 2010 Q*	24,684.870 shares	446,796
Fidelity Freedom Blend 2015 Q*	110,732.300 shares	2,080,660
Fidelity Freedom Blend 2020 Q*	581,836.600 shares	10,973,438
Fidelity Freedom Blend 2025 Q*	876,673.878 shares	17,568,545
Fidelity Freedom Blend 2030 Q*	1,212,950.624 shares	24,889,747
Fidelity Freedom Blend 2035 Q*	885,616.395 shares	19,642,972
Fidelity Freedom Blend 2040 Q*	604,351.817 shares	13,525,394
Fidelity Freedom Blend 2045 Q*	578,017.929 shares	13,005,403
Fidelity Freedom Blend 2050 Q*	359,622.502 shares	7,980,023
Fidelity Blue Chip Growth Commingled Pool*	1,744,092.619 shares	40,340,862
		170,797,800
Interest rates ranging from 0.14% to 6.75% with maturity dates through 2036		
Participant loans*		5,850,613
		352,861,768

* Party-in-interest to the Plan.