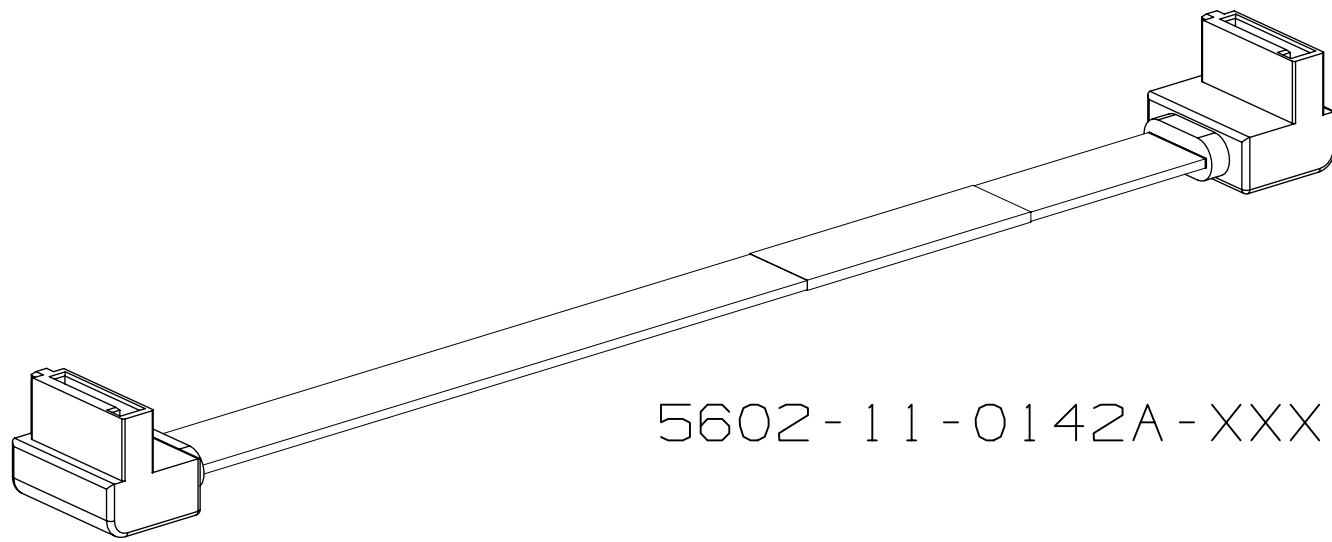
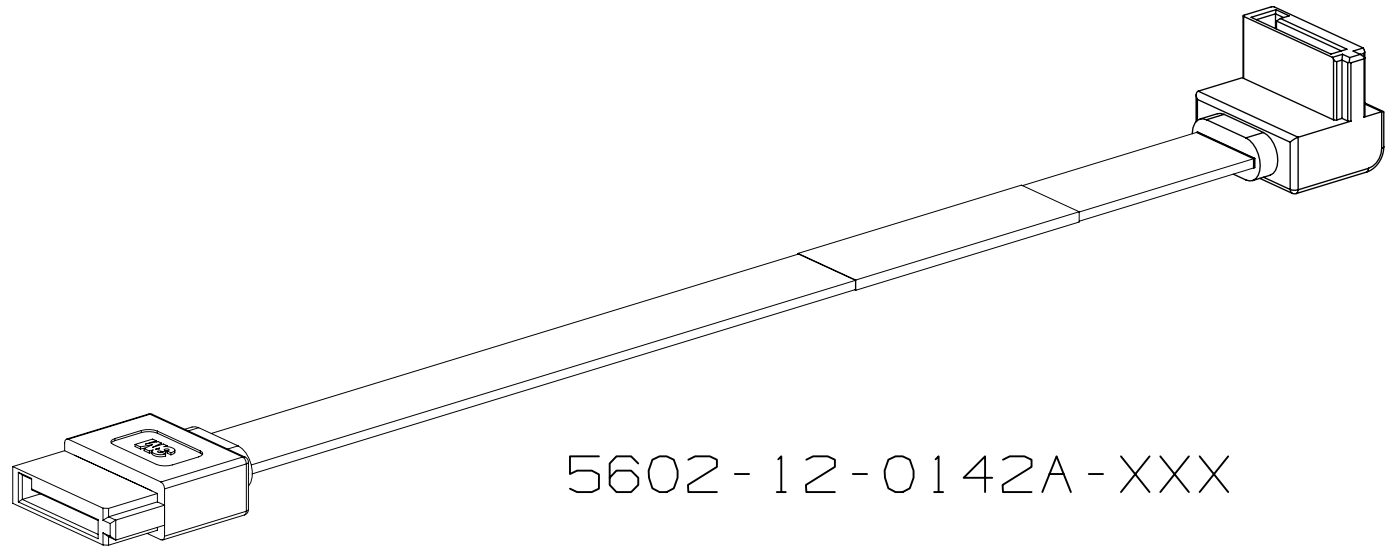


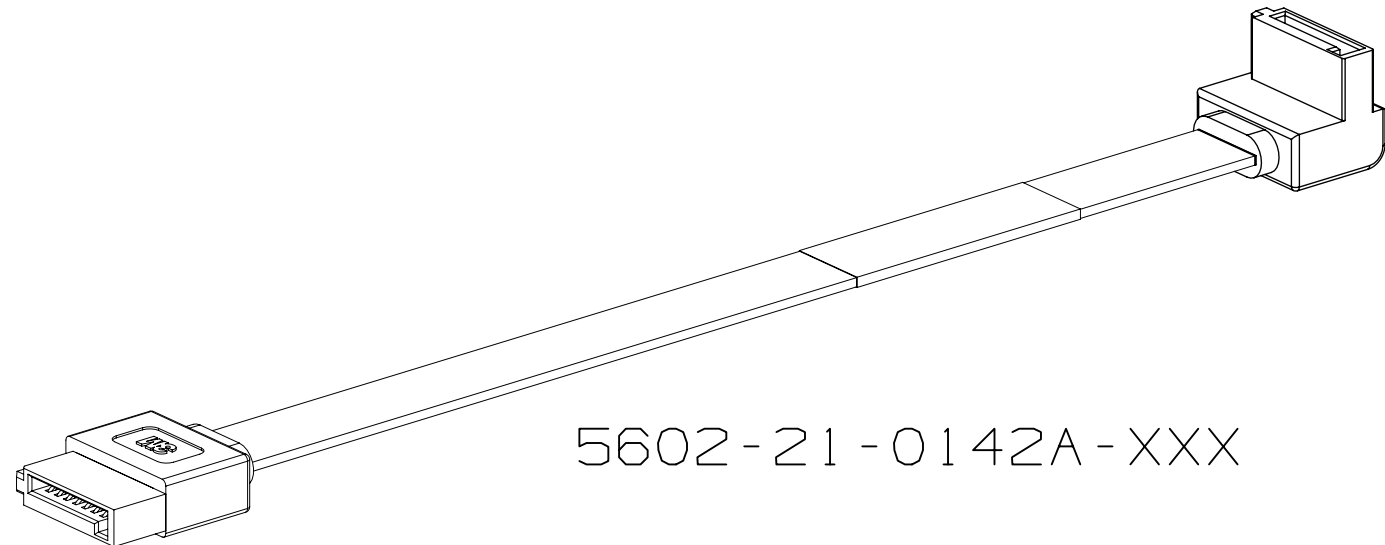
3M™ HIGH ROUTABILITY INTERNAL SATA CABLE ASSEMBLY, 5602 SERIES
7 PIN TWINAX CABLE ASSEMBLY, STRAIGHT AND RIGHT ANGLE, WITH AND WITHOUT LATCH



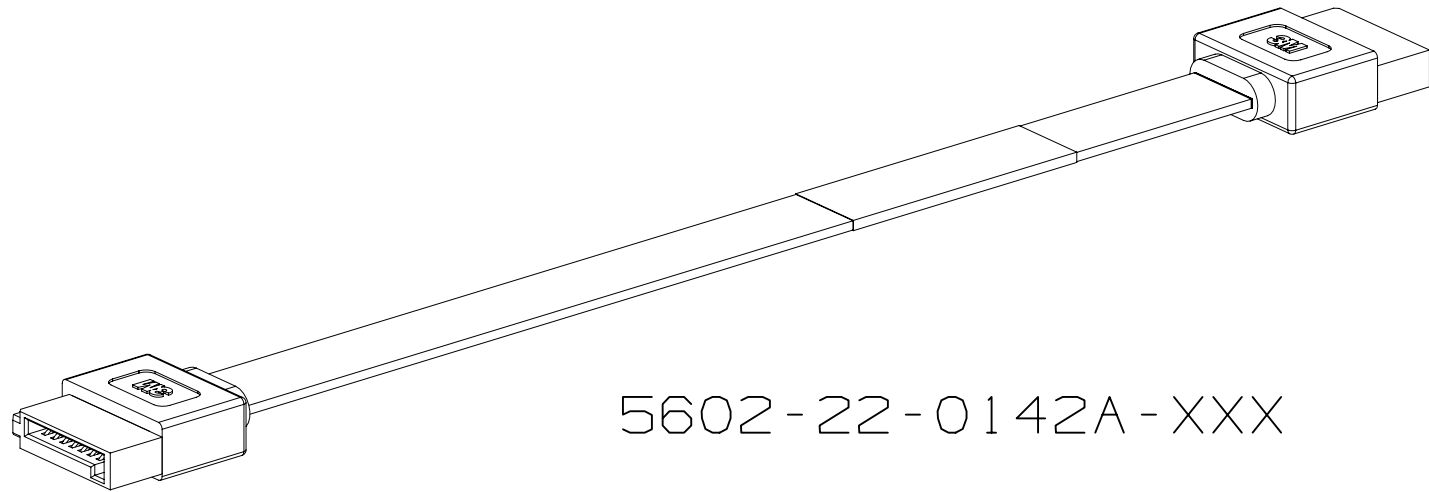
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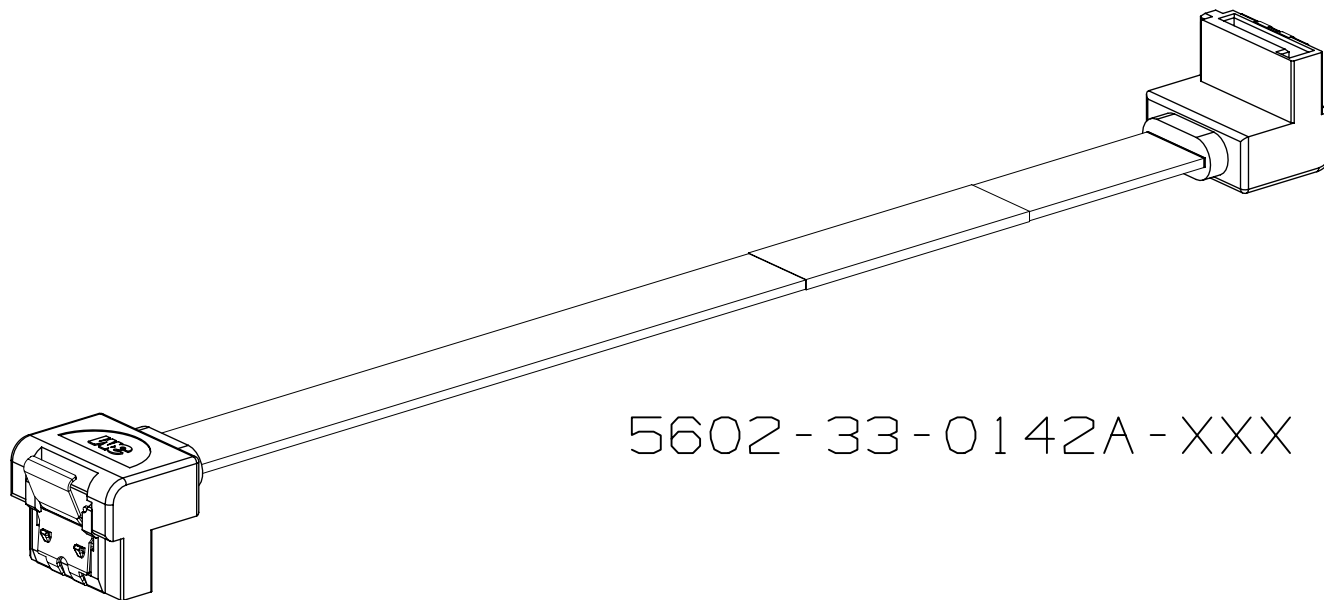
5602-12-0142A-XXX



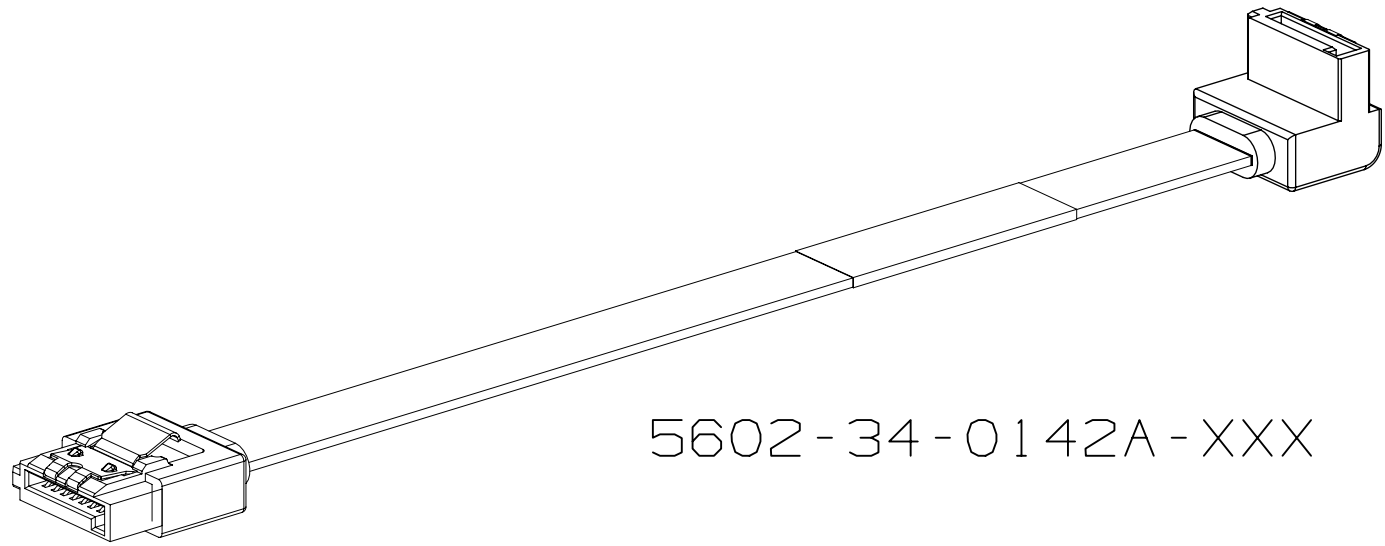
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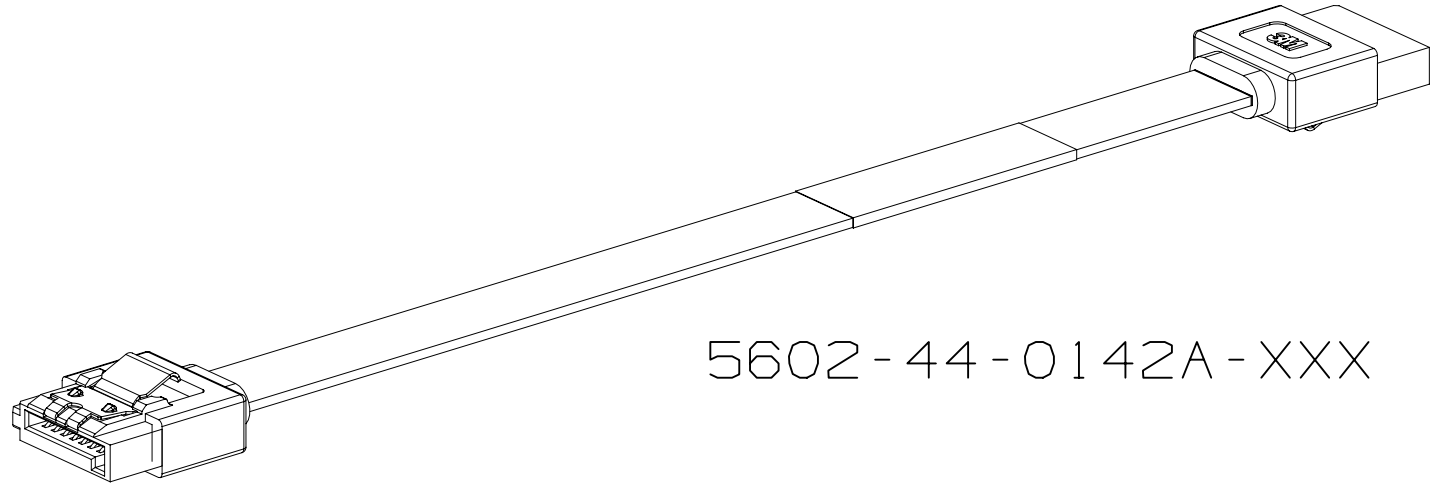
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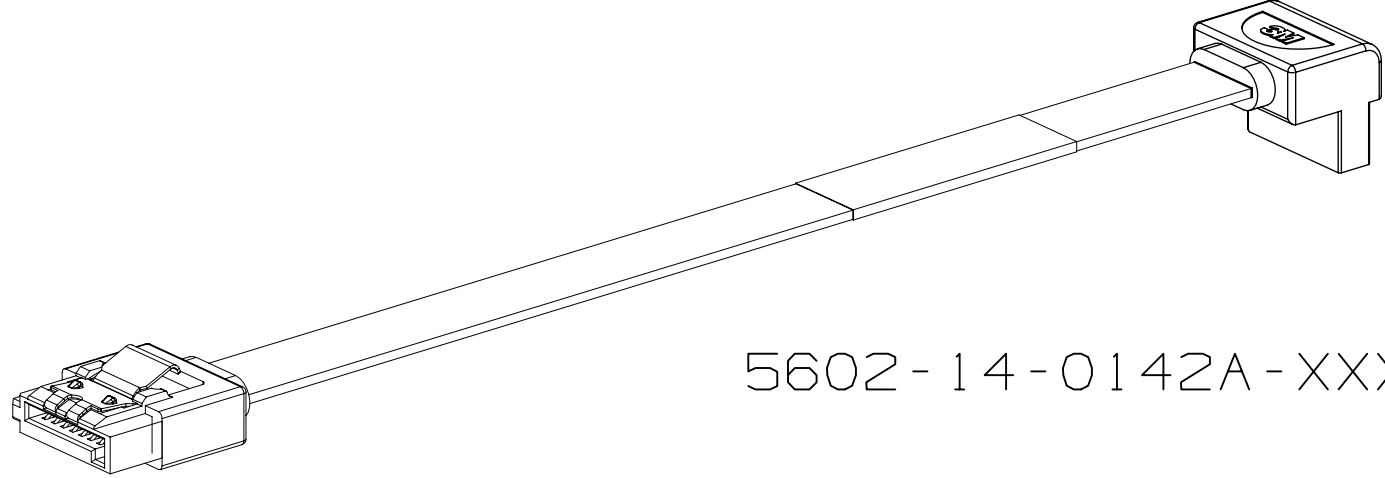
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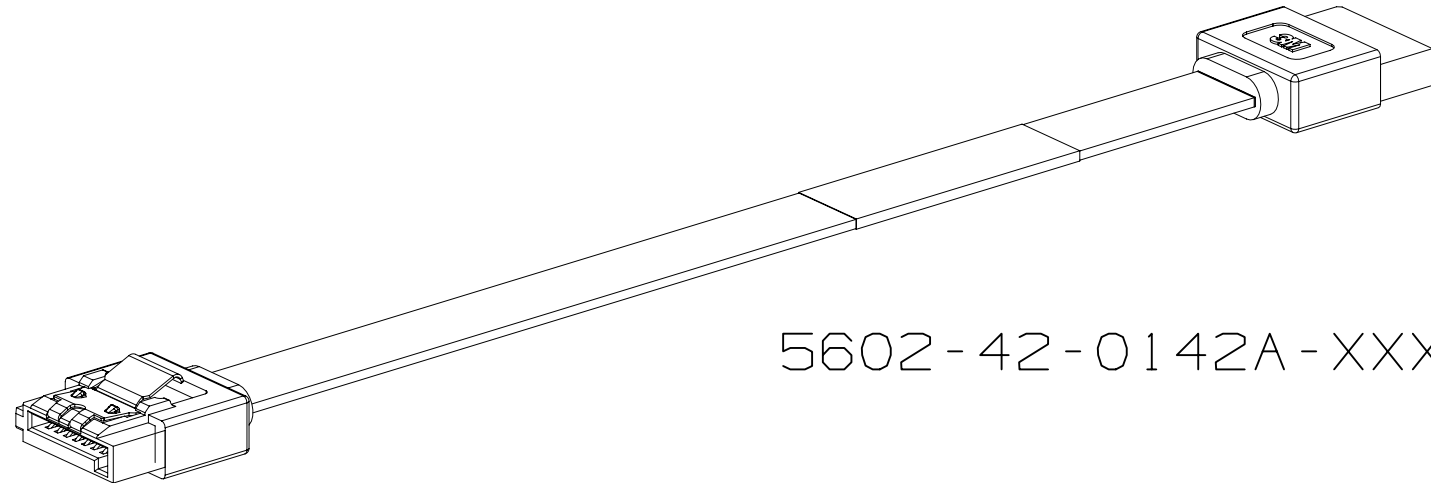
5602-34-0142A-XXX



5602-44-0142A-XXX



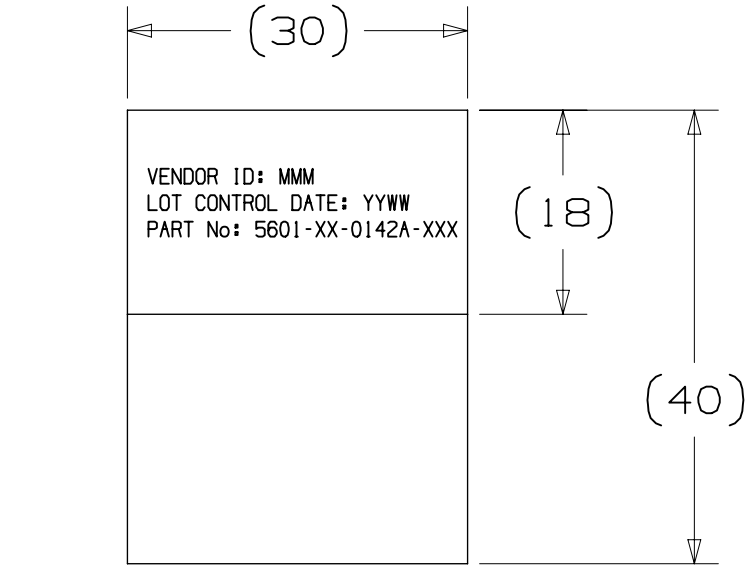
5602-14-0142A-XXX



5602-42-0142A-XXX

PIN OUT, TYPICAL

P1	TYPE	TYPE	P2
1	G	G	1
2	A+	A+	2
3	A-	A-	3
4	G	G	4
5	B-	B-	5
6	B+	B+	6
7	G	G	7



LABEL
(TYPICAL DIMENSIONS)

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INTERCONNECT SOLUTIONS
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INFORMATION CALL 800-225-5373

- NOTES
1.

REGULATORY INFORMATION:
VISIT 3M.com/regs
2.

FOR CUSTOM CABLE LENGTH,
CONTACT 3M SALES REP.
3.

CABLE PART NUMBER:
SL8803/04-10DN5-00.
4.

PRODUCT SPECIFICATION: PS-0117.
5.

PVC OVERMOLDING AND PE INNER
MOLDING AT BOTH ENDS.
6.

PRODUCT MEETS SATA 3.0 SIGNAL
INTEGRITY SPECIFICATIONS.
7.

LENGTH TOLERANCE:
±5 MM FOR LENGTHS LESS THAN 0.5 M.
±10 MM FOR LENGTHS 0.5 TO 1.0 M.
8.

UNLESS OTHERWISE NOTED,
REFERENCES TO INDUSTRY
SPECIFICATIONS ARE INTENDED
TO INDICATE SUBSTANTIAL
COMPLIANCE TO THE MATERIAL
ELEMENTS OF THE SPECIFICATION.
SUCH REFERENCES SHOULD NOT BE
CONSTRUED AS A GUARANTEE OF
COMPLIANCE TO ALL REQUIREMENTS
IN A GIVEN SPECIFICATION.
9.

SEE TS-2591 FOR PVC JACKETED
SATA 7 PIN TWINAX CABLE ASS'Y.
10.

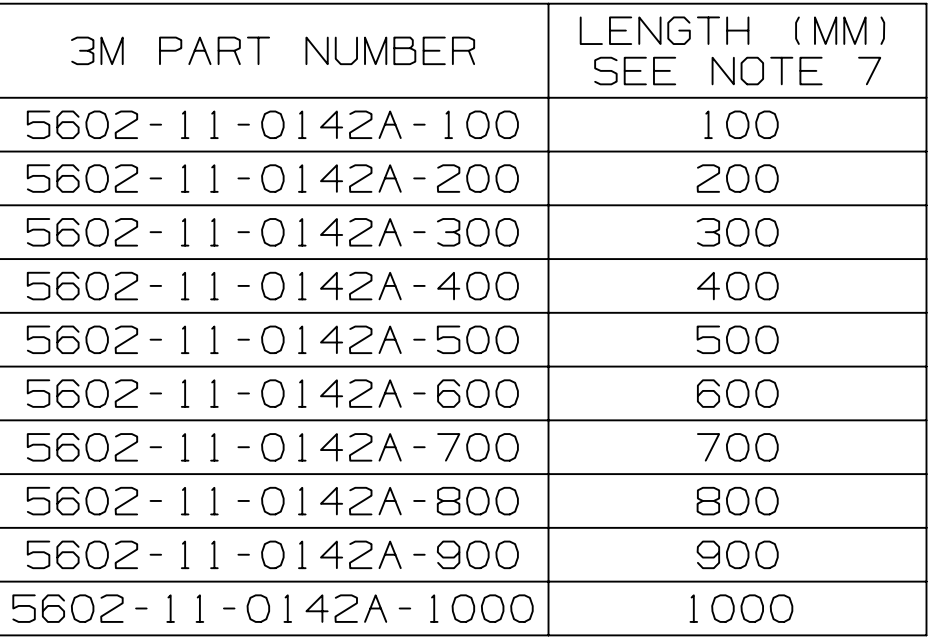
CABLE:
* RIBBON TWINAX, SL8803/04.
* UL: AWM 21008.
* VOLTAGE RATING: 150V.
* TEMPERATURE RATING: 80C°.
* SIGNAL WIRES:
30 AWG SILVER PLATED COPPER.
11.

SATA CONNECTORS:
* 7 PIN FEMALE, STRAIGHT OR
RIGHT ANGLE.
* COLOR:
BLACK, GLASS FILLED PBT.
* PLATING: 15µ" AU.

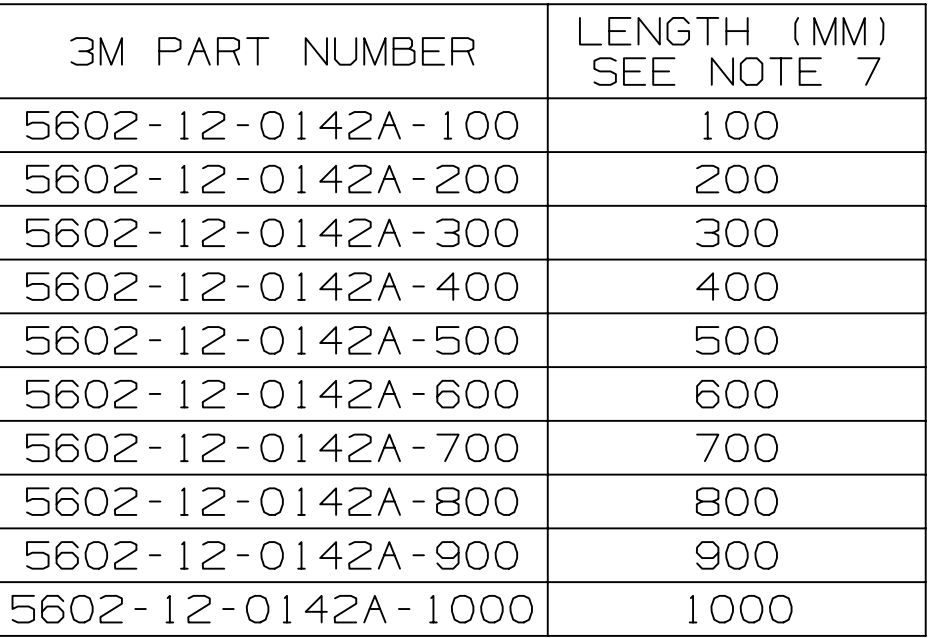
E	114747	MAY 13,2024	JNC	MML
D	47119	REVISE AND REDRAWN	RV	RV
C	43801	APR 09,2013 ADD SHEET 8 & 9	RV	RV
B	42030	DEC 31,2012 CABLE P/N CHANGE	RV	RV
A	37492	JUL 07,2012 REVISED DRAWING	RV	RV
		SEP 05,2011 REVISED DRAWING		

DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
APPROVED		DRG	RAO VITTAPALLI	DATE JUL 02,2018	MFG	DATE
DIVISION	DIVISION CODE	CHKD	RAO VITTAPALLI	DATE JUL 02,2018	APPRV	SAJIT BANDHU
DO NOT SCALE DRAWING	SCALE	TOLERANCES EXCEPT AS NOTED	3M Center St. Paul, MN 55144			
THIRD ANGLE PROJECTION	INTERPRET PER ASME Y14.5 - 2018	INCHES 0.00 0.002 0.000 ±	© 3M COPYRIGHT 2024 This document and the information it contains are 3M property and may not be reproduced or further distributed without 3M permission, or used or disclosed other than for 3M authorized purposes. All rights reserved.			
MAX SURFACE ROUGHNESS	MAX SURFACES	MILLIMETERS 0 ± 2	TITLE HIGH ROUTABILITY INTERNAL SATA CABLE ASSEMBLY			
MARKED ONLY	ANGLES	0 ± 2 0.0 ± 0.25 0.00 ± 0.15 0.00 ± 0.05	CAGE NUMBER	SIZE	DRAWING NO.	REV.
			D	78-5100	4897-4	E
			MODEL	DET	LISTS	YES
				NO	SHT	1 OF 7

NOTES	
1.	REFER TO SHEET 1 FOR NOTES.

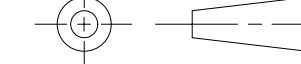


LENGTH IN MM,
XXX REFERS TO 1000mm.



LENGTH IN MM,
XXX REFERS TO 1000mm.

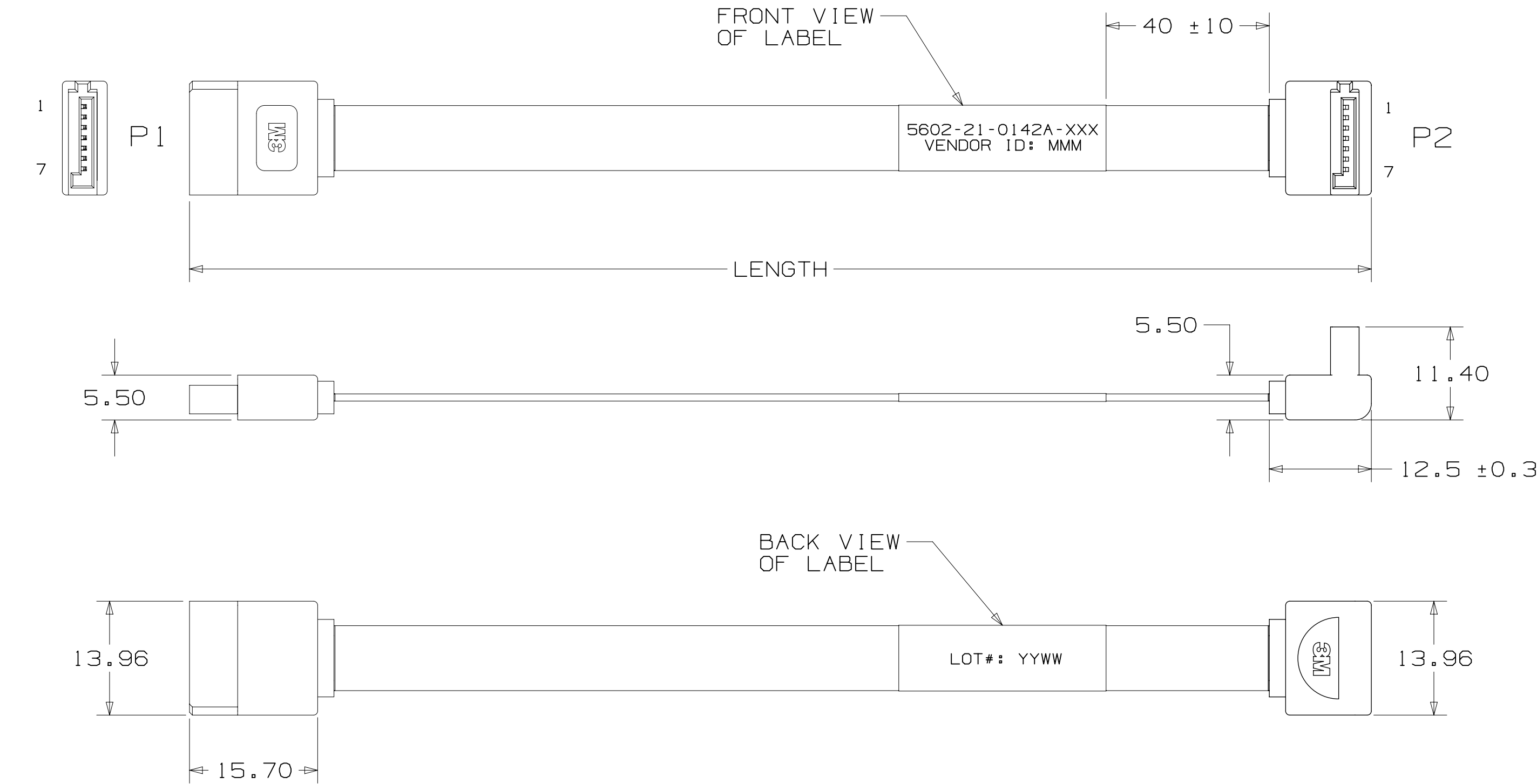
E	114747	MAY 13,2024 REVISE AND REDRAWN	JNC	MM
D	47119	APR 09,2013 ADD SHEET 8 & 9	RV	RV
C	43801	DEC 31,2012 CABLE P/N CHANGE	RV	RV
B	42030	JUL 07,2012 REVISED DRAWING	RV	RV
A	37492	SEP 05,2011 REVISED DRAWING	RV	RV

DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHK
ACCESS CODES				DRFT	RAO	VITTAPALLI		DATE	JUL 02, 2016
				DRFT	RAO	VITTAPALLI		DATE	JUL 02, 2016
				DRFT	RAO	SAJJUJI BANDHU		DATE	JUL 02, 2016
DIVISION		DIVISION CODE		 3M Center St. Paul, MN 55144			© 3M COPYRIGHT 2024 This document and the information it contains are 3M property and may not be reproduced or further distributed without the permission, or used or disclosed other than for 3M authorized purposes. All rights reserved.		
DO NOT SCALE DRAWING		EMSD					TOLERANCES EXCEPT AS NOTED INCHES .00 ± .00 ± .00 ± .000 ±		
		THIRD ANGLE PROJECTION		TITLE			HIGH ROUTABILITY INTERNAL SATA CABLE ASSEMBLY		
INTERPRET PER ASME Y14.5 - 2018		MILLIMETERS		CAGE NUMBER			DRAWING NO.		
MAX SURFACE ROUGHNESS 		.00 ± .00 ± .000 ± .005 ±		SIZE D			78-5100-4897-4		
☒ UNMARKED SURFACES ☐ MARKED ONLY		ANGLES 0 ± 0 ± 0 ± 0 ±		MODEL			DET. LISTS ☐ YES ☒ NO		
							SHT 2 OF		

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7 PIN TWINAX CABLE ASSEMBLY, STRAIGHT AND RIGHT ANGLE, WITH AND WITHOUT LATCH

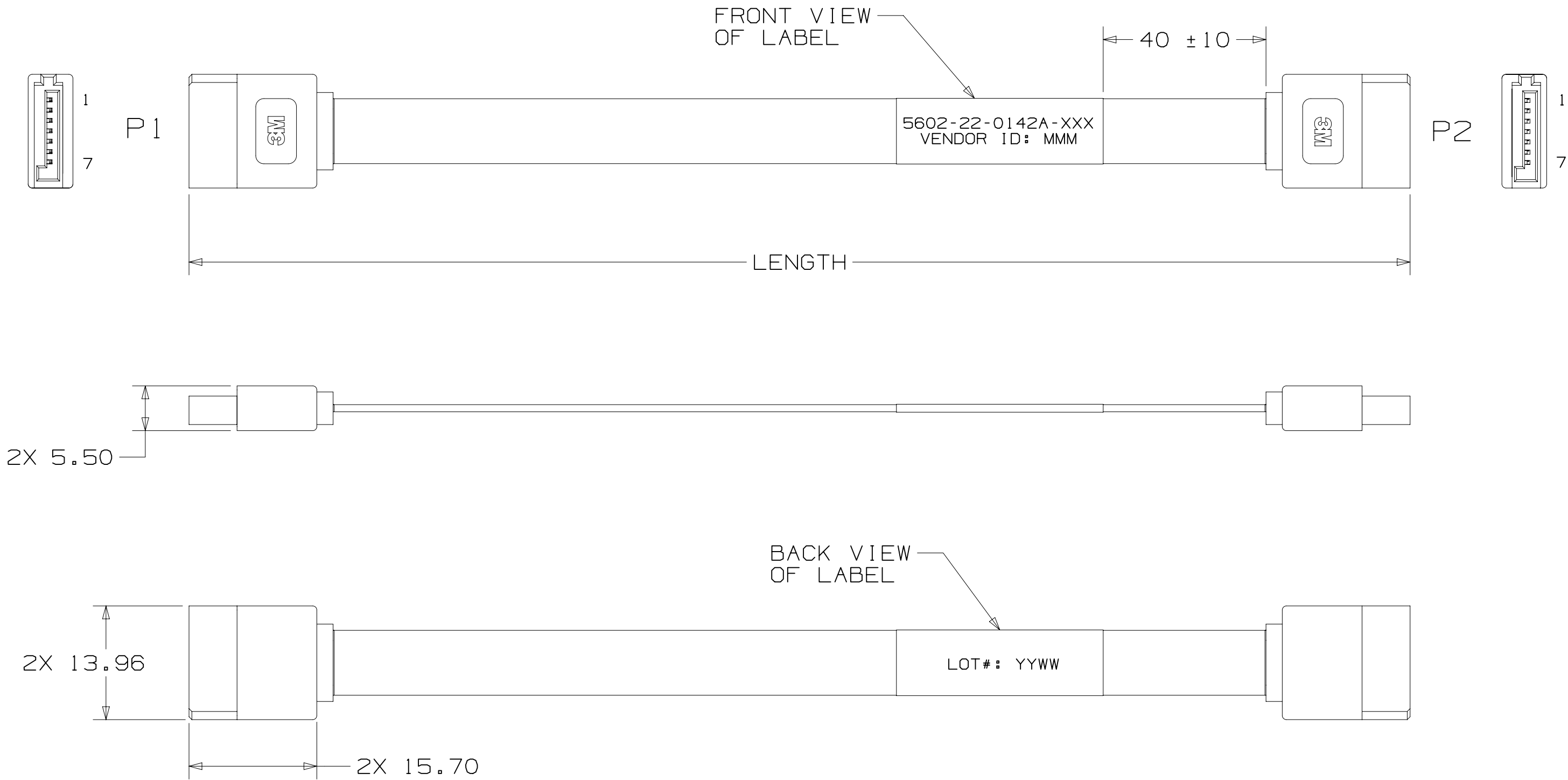
NOTES
1. REFER TO SHEET 1 FOR NOTES.



3M PART NUMBER	LENGTH (MM) SEE NOTE 7
5602-21-0142A-100	100
5602-21-0142A-200	200
5602-21-0142A-300	300
5602-21-0142A-400	400
5602-21-0142A-500	500
5602-21-0142A-600	600
5602-21-0142A-700	700
5602-21-0142A-800	800
5602-21-0142A-900	900
5602-21-0142A-1000	1000

STRAIGHT TO RIGHT ANGLE
WITHOUT LATCHES
ORDERING INFORMATION
5602-21-0142A-XXX

LENGTH IN MM,
XXX REFERS TO 1000mm.



3M PART NUMBER	LENGTH (MM) SEE NOTE 7
5602-22-0142A-100	100
5602-22-0142A-200	200
5602-22-0142A-300	300
5602-22-0142A-400	400
5602-22-0142A-500	500
5602-22-0142A-600	600
5602-22-0142A-700	700
5602-22-0142A-800	800
5602-22-0142A-900	900
5602-22-0142A-1000	1000

STRAIGHT TO STRAIGHT
WITHOUT LATCHES
ORDERING INFORMATION
5602-22-0142A-XXX

LENGTH IN MM,
XXX REFERS TO 1000mm.

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<http://www.3M.com/interconnect>

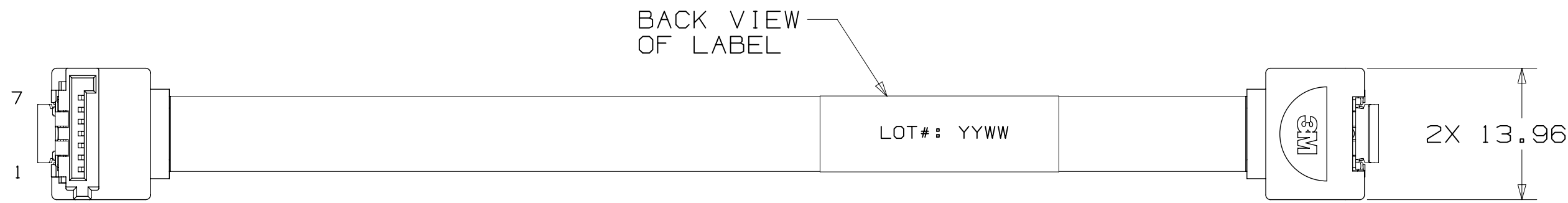
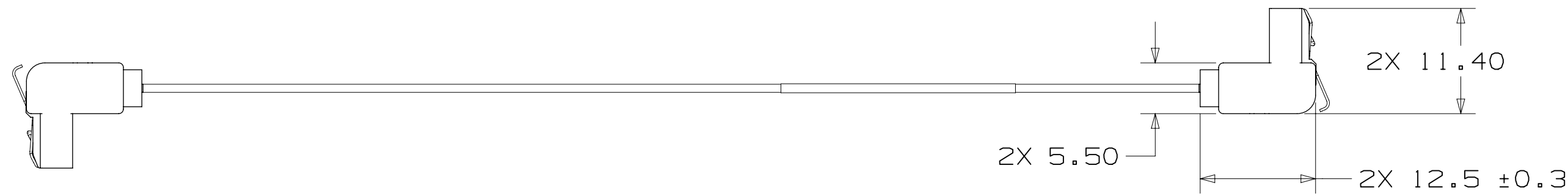
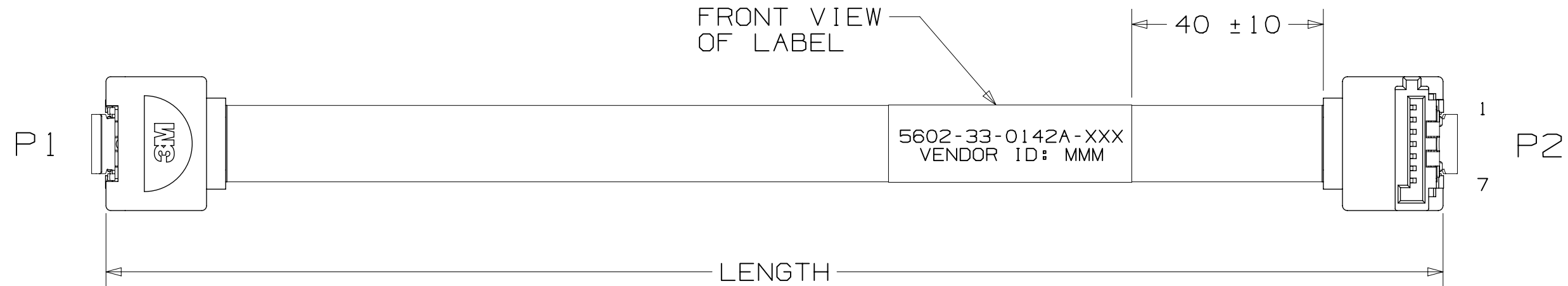
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INFORMATION CALL 800-225-5373

E	114747	MAY 13,2024	JNC	MML
D	47119	REVISE AND REDRAWN	RV	RV
C	43801	ADD SHEET 8 & 9	RV	RV
B	42030	CABLE P/N CHANGE	RV	RV
A	37492	REVISED DRAWING	RV	RV
		SEP 05,2011		
		REVISED DRAWING		

DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
XXXXX CODES		DRF RAO VITTAPALLI	DATE JUL 02,2018	MFG DATE		
DIVISION	DIVISION CODE	DRWD RAO VITTAPALLI	DATE JUL 02,2018	APPRV SAJIT BANDHU	DATE JUL 02,2018	
DO NOT SCALE DRAWING	SCALE	TOLERANCES EXCEPT AS NOTED				
THIRD ANGLE PROJECTION	INTERPRET PER ASME Y14.5 - 2018	INCHES .00 .002 .0000 ±				
MAX SURFACE ROUGHNESS 12.5 SURFACES	MARKED ONLY	MILLIMETERS 0 ±2 .0 ±0.25 .00 ±0.15 .000 ±0.05				
		ANGLES				
		3M Center St. Paul, MN 55144				
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		TITLE HIGH ROUTABILITY INTERNAL SATA CABLE ASSEMBLY				
		CAGE NUMBER	SIZE	DRAWING NO.	REV.	
		D		78-5100-4897-4	E	
		MODEL	DET	LISTS	YES	NO
		SHT 3 OF 7				

3M™ HIGH ROUTABILITY INTERNAL SATA CABLE ASSEMBLY, 5602 SERIES
7 PIN TWINAX CABLE ASSEMBLY, STRAIGHT AND RIGHT ANGLE, WITH AND WITHOUT LATCH

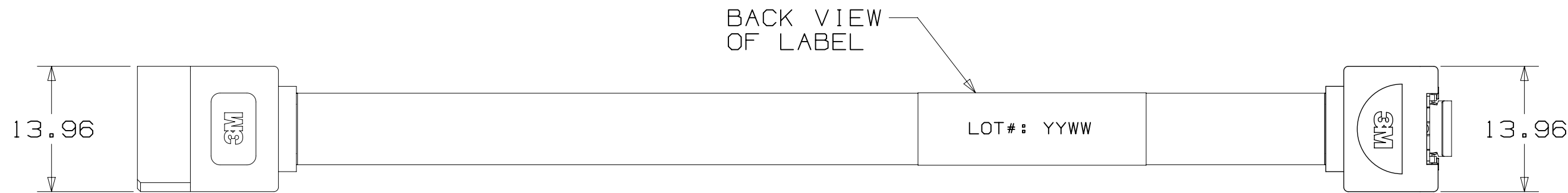
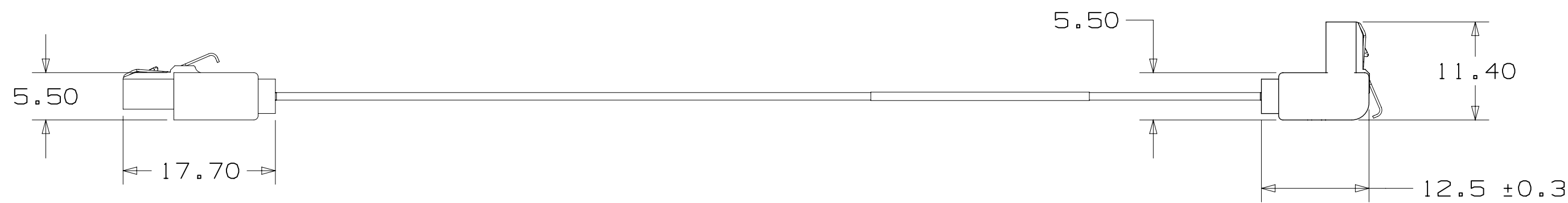
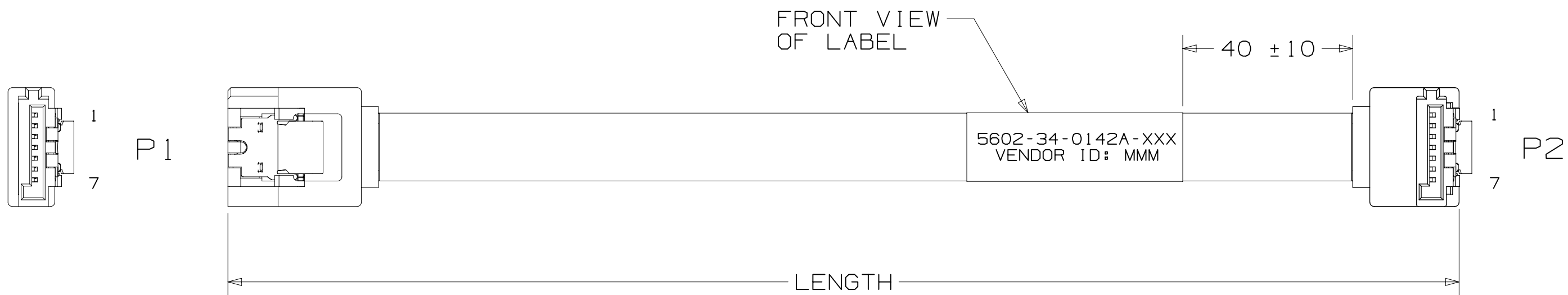
NOTES
1. REFER TO SHEET 1 FOR NOTES.



3M PART NUMBER	LENGTH (MM) SEE NOTE 7
5602-33-0142A-100	100
5602-33-0142A-200	200
5602-33-0142A-300	300
5602-33-0142A-400	400
5602-33-0142A-500	500
5602-33-0142A-600	600
5602-33-0142A-700	700
5602-33-0142A-800	800
5602-33-0142A-900	900
5602-33-0142A-1000	1000

RIGHT ANGLE TO RIGHT ANGLE
WITH LATCHES
ORDERING INFORMATION
5602-33-0142A-XXX

LENGTH IN MM,
XXX REFERS TO 1000mm.



3M PART NUMBER	LENGTH (MM) SEE NOTE 7
5602-34-0142A-100	100
5602-34-0142A-200	200
5602-34-0142A-300	300
5602-34-0142A-400	400
5602-34-0142A-500	500
5602-34-0142A-600	600
5602-34-0142A-700	700
5602-34-0142A-800	800
5602-34-0142A-900	900
5602-34-0142A-1000	1000

STRAIGHT TO RIGHT ANGLE
WITH LATCHES
ORDERING INFORMATION
5602-34-0142A-XXX

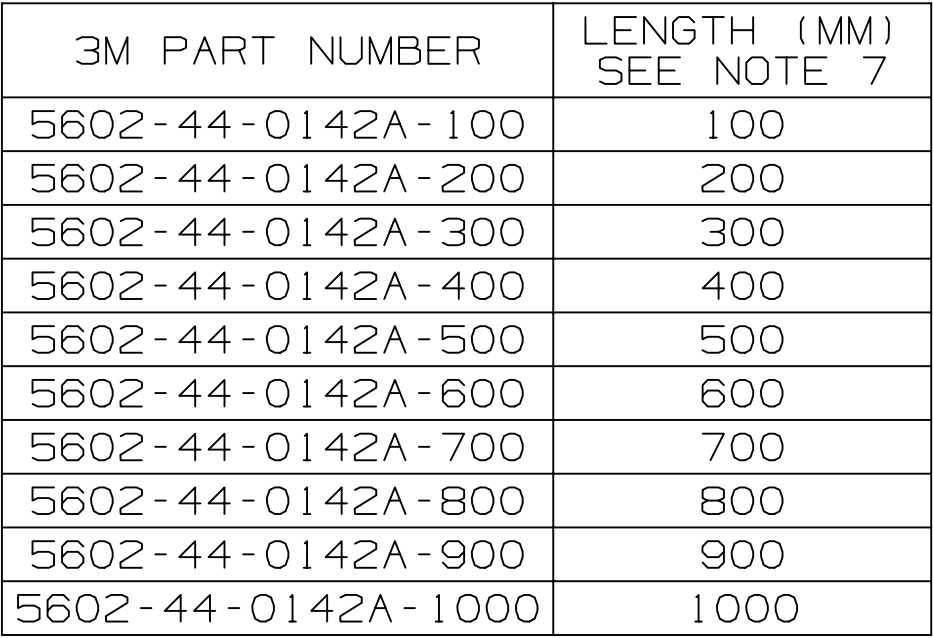
LENGTH IN MM,
XXX REFERS TO 1000mm.

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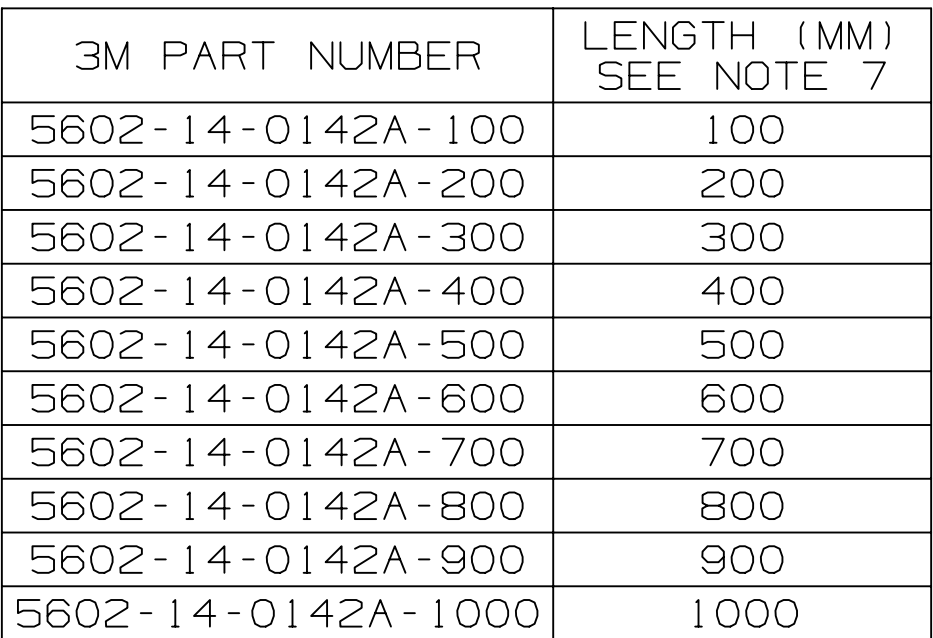
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DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
XXXXX		RAO VITTAPALLI	DATE JUL 02,2018	MFG	DATE	
DIVISION	DIVISION CODE	RAO VITTAPALLI	DATE JUL 02,2018	APPROV	DATE JUL 02,2018	
DO NOT SCALE DRAWING	SCALE	EMSD				
THIRD ANGLE PROJECTION	TOLERANCES EXCEPT AS NOTED					
INTERPRET PER ASME Y14.5 - 2018	INCHES					
MAX SURFACE ROUGHNESS	MILLIMETERS					
MARKED ONLY	ANGLES					
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HIGH ROUTABILITY INTERNAL SATA CABLE ASSEMBLY						
CAGE NUMBER	SIZE	DRAWING NO.	REV.			
D	78-5100	4897-4	E			
MODEL	DET	LISTS	YES	NO	SHT	4 OF 7

NOTES	
1.	REFER TO SHEET 1 FOR NOTES.



LENGTH IN MM,
XXX REFERS TO 1000mm.



LENGTH IN MM,
XXX REFERS TO 1000mm.

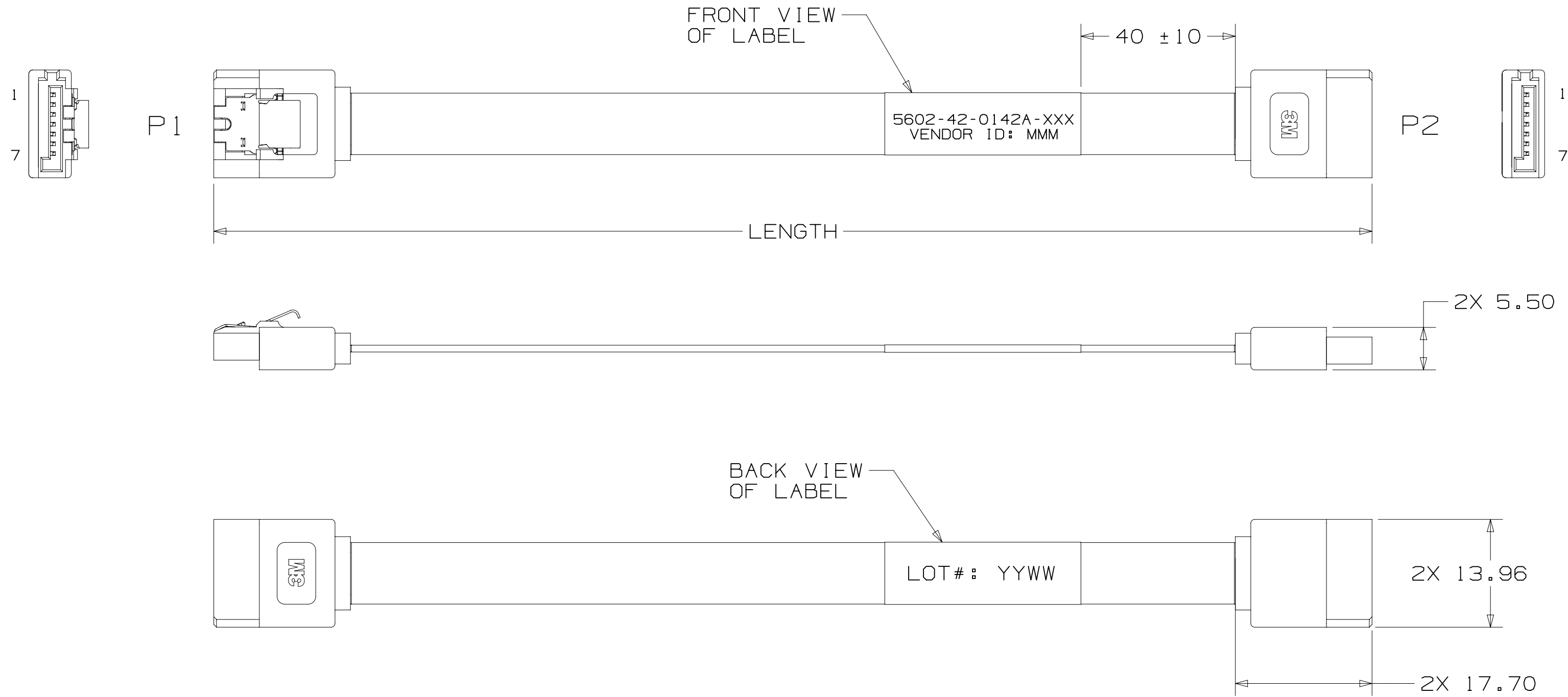
E	114747	MAY 13,2024 REVISE AND REDRAWN	JNC	MM
D	47119	APR 09,2013 ADD SHEET 8 & 9	RV	RV
C	43801	DEC 31,2012 CABLE P/N CHANGE	RV	RV
B	42030	JUL 07,2012 REVISED DRAWING	RV	RV
A	37492	SEP 05,2011 REVISED DRAWING	RV	RV

DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHK
ACCESS CODES				DRFT	RAO	VITTAPALLI		DATE	JUL 02, 2016
				DRFT	RAO	VITTAPALLI		DATE	JUL 02, 2016
				DRFT	RAO	SAJJUVT BANDHU		DATE	JUL 02, 2016
DIVISION		DIVISION CODE				© 3M COPYRIGHT 2024 This document and the information it contains are 3M property and may not be reproduced or further distributed without the permission, or used or disclosed other than for 3M authorized purposes. All rights reserved.			
DO NOT SCALE DRAWING		EMSD							
SCALE		TOLERANCES EXCEPT AS NOTED		TITLE		HIGH ROUTABILITY INTERNAL SATA CABLE ASSEMBLY			
		INCHES							
THIRD ANGLE PROJECTION		.00 ± .00 ± .000 ± .000 ±							
INTERPRET PER ASME Y14.5 - 2018		MILLIMETERS							
		0 ± .00 ± .00 ± .000 ±							
MAX SURFACE ROUGHNESS				CAGE NUMBER		DRAWING NO.			
						78-5100-4897-4			
☒ MARKED ONLY		☐ MARKED ONLY		MODEL		DET. ☐ LISTS ☐ YES ☒ NO ☐ SHT 5 OF			

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7 PIN TWINAX CABLE ASSEMBLY, STRAIGHT AND RIGHT ANGLE, WITH AND WITHOUT LATCH

NOTES
1. REFER TO SHEET 1 FOR NOTES.



3M PART NUMBER	LENGTH (MM) SEE NOTE 7
5602-42-0142A-100	100
5602-42-0142A-200	200
5602-42-0142A-300	300
5602-42-0142A-400	400
5602-42-0142A-500	500
5602-42-0142A-600	600
5602-42-0142A-700	700
5602-42-0142A-800	800
5602-42-0142A-900	900
5602-42-0142A-1000	1000

STRAIGHT LATCH TO
STRAIGHT WITHOUT LATCH
ORDERING INFORMATION
5602-42-0142A-XXX

LENGTH IN MM,
XXX REFERS TO 1000mm.

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E	114747	MAY 13,2024	JNC	MML
D	47119	APR 09,2013	RV	RV
C	43801	DEC 31,2012	RV	RV
B	42030	JUL 07,2012	RV	RV
A	37492	SEP 05,2011	RV	RV

REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
1	ECO	MAY 13,2024	JNC	MML
2	ECO	APR 09,2013	RV	RV
3	ECO	DEC 31,2012	RV	RV
4	ECO	JUL 07,2012	RV	RV
5	ECO	SEP 05,2011	RV	RV

DESIGN REFERENCE	NEXT ASSEMBLY
DESIGN CODES	DESIGN CODES
DIVISION	DIVISION CODE
DO NOT SCALE DRAWING	SCALE
THIRD ANGLE PROJECTION	INTERPRET PER ASME Y14.5 - 2018
MAX SURFACE ROUGHNESS	MAX SURFACE ROUGHNESS
MARKED ONLY	MARKED ONLY

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TITLE	HIGH ROUTABILITY INTERNAL SATA CABLE ASSEMBLY
CAGE NUMBER	78-5100-4897-4
SIZE	D
DRAWING NO.	78-5100-4897-4
REV.	E
MODEL	DET
LISTS	YES
NO	NO
SHT	6 OF 7

7 PIN TWINAX CABLE ASSEMBLY, STRAIGHT AND RIGHT ANGLE, WITH AND WITHOUT LATCH

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E	114747	MAY 13,2024 REVISE AND REDRAWN	JNC	MLL
D	47119	APR 09,2013 ADD SHEET 8 & 9	RV	RV
C	43801	DEC 31,2012 CABLE P/N CHANGE	RV	RV
B	42030	JUL 07,2012 REVISED DRAWING	RV	RV
A	37492	SEP 05,2011 REVISED DRAWING	RV	RV

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TITLE HIGH ROUTABILITY INTERNAL SATA CABLE ASSEMBLY		