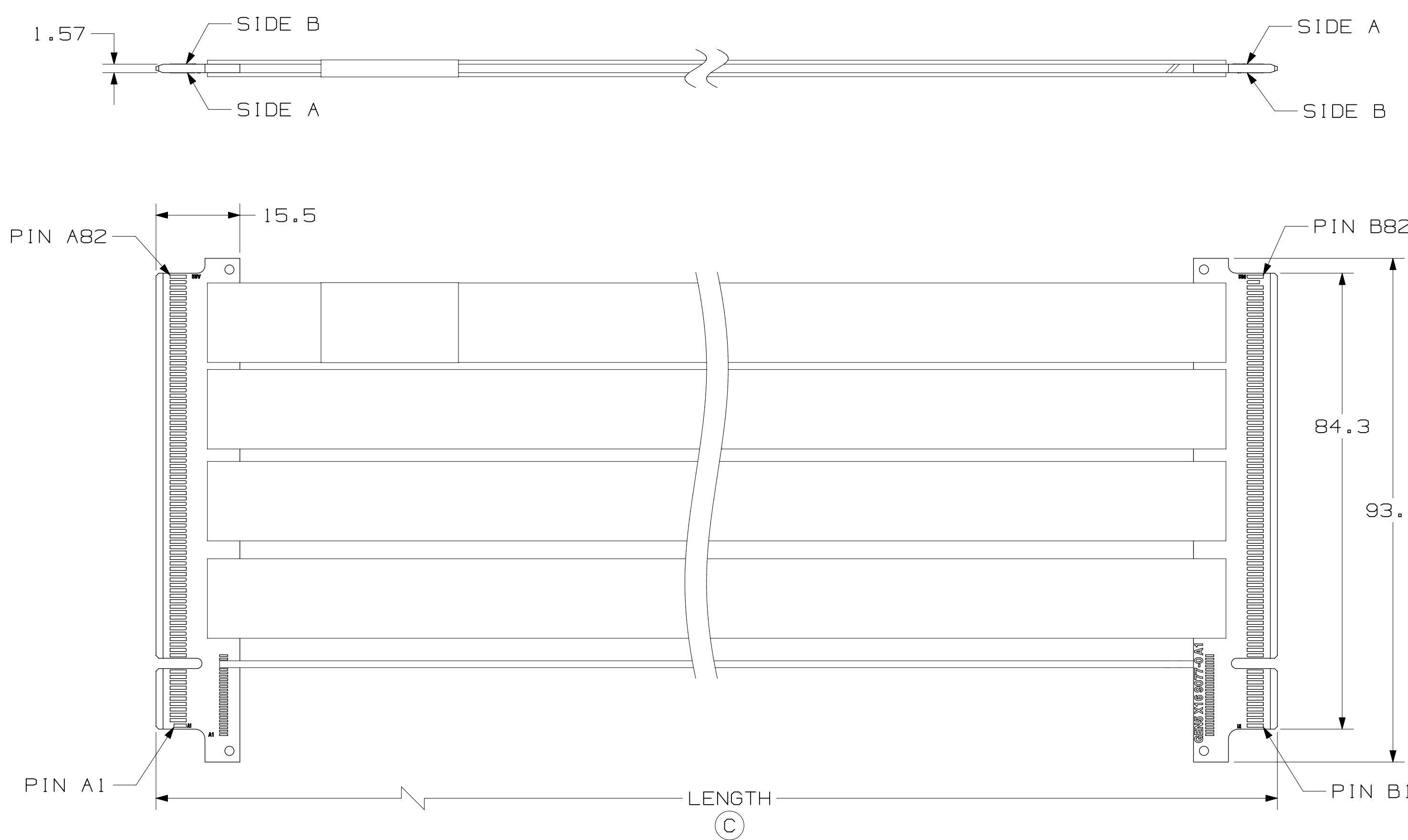
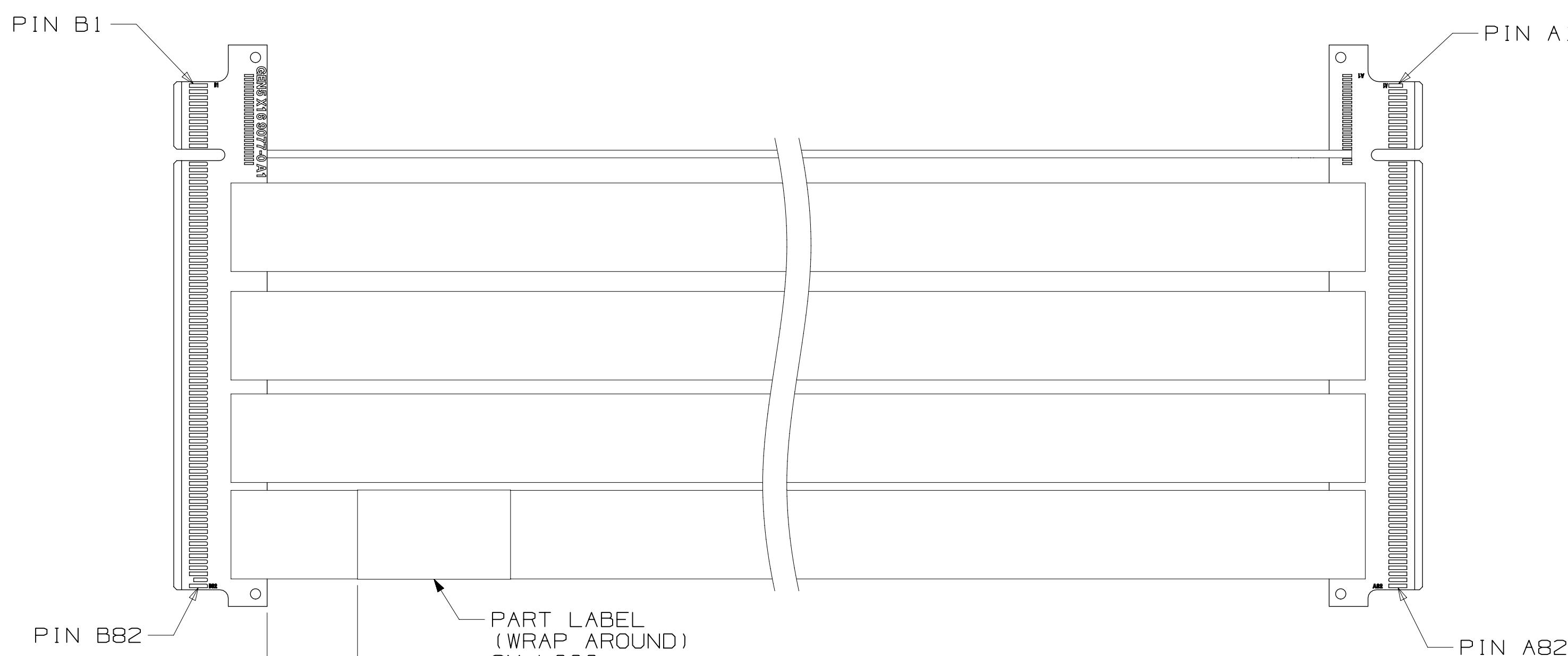


8 7 6 5 4 3 2 1
3M™ TWIN AXIAL PCI EXPRESS JUMPER CABLE ASSEMBLIES GEN 5.0

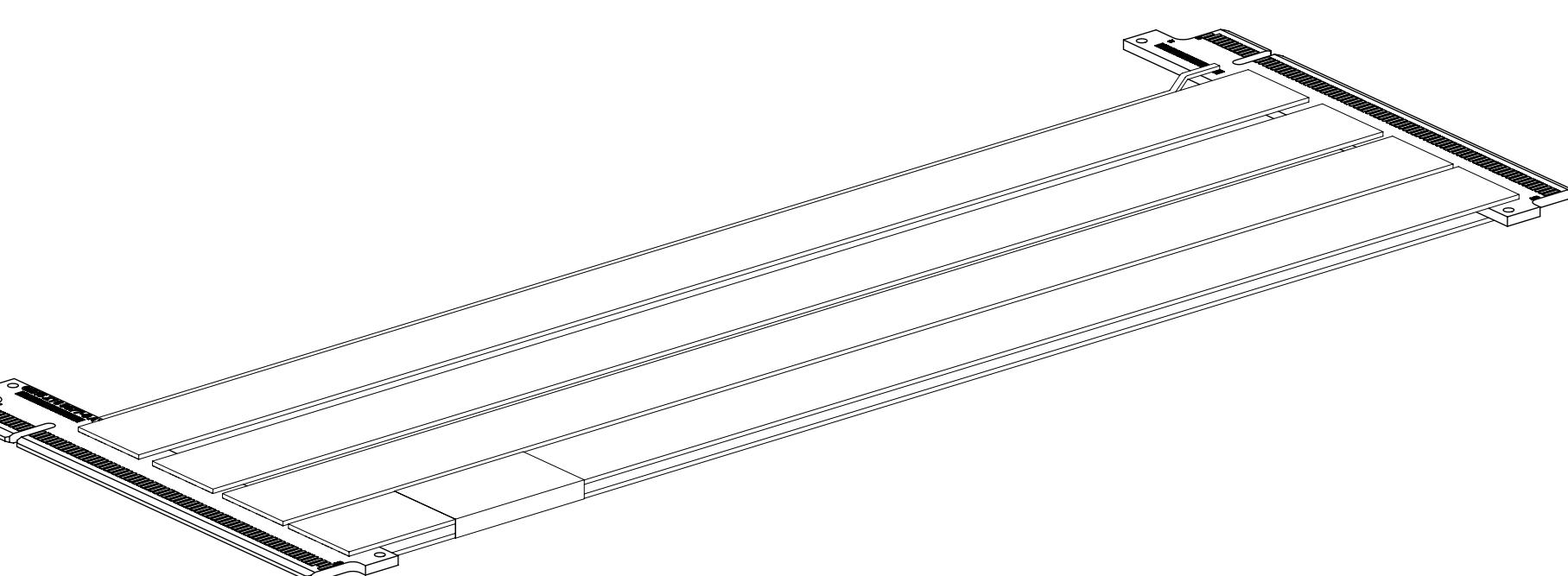


×16 CROSS-OVER VERSION
ORDERING INFORMATION

8KFH-0987-XXXX

STANDARD LENGTHS DIM. "A"
0250 = [250 MM]
0500 = [500 MM]

NOTE:
NON-STANDARD LENGTHS AVAILABLE UPON REQUEST.
MAY REQUIRE HIGHER MOQ'S AND LONGER LEAD TIMES.



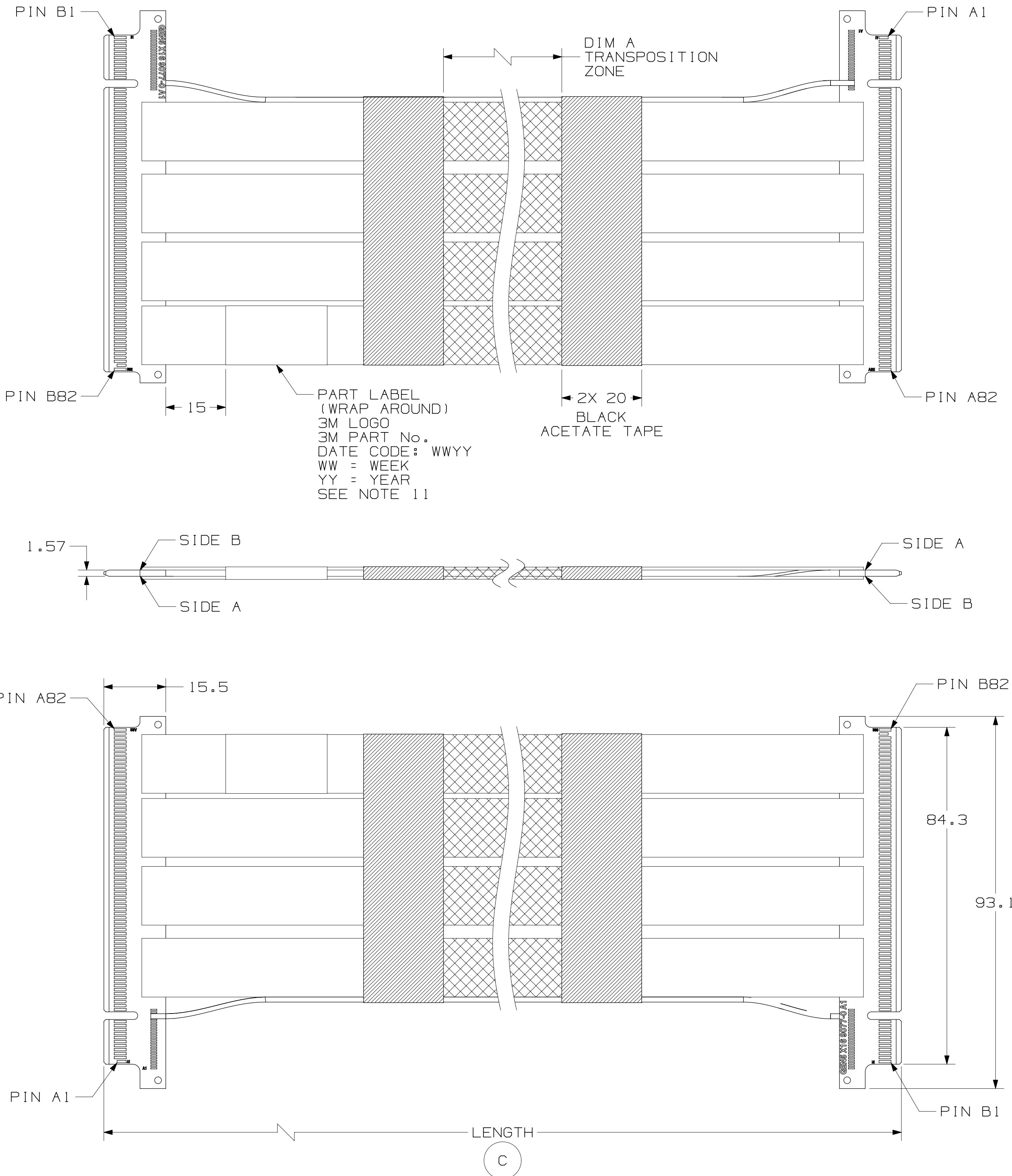
NOTES

1. DIMENSIONS ARE IN MILLIMETERS.
2. 3M TWIN AXIAL CABLE DESCRIPTION:
30 AWG, SILVER PLATED SIGNAL WIRE
IMPEDANCE: 87 ± 5 OHM
OVERALL RIBBON WIDTH: 14.56 MM
OVERALL RIBBON THICKNESS: 0.74 MM
3. REGULATORY INFORMATION:
VISIT 3M.com/regs OR CONTACT
YOUR 3M REPRESENTATIVE TO FIND
THE RoHS COMPLIANCE STATUS OF
THE 3M PART YOU ARE INTERESTED
IN.
4. THIS CABLE CONSTRUCTION HAS
A THIN ALUMINUM LAYER AT EACH
EDGE. USER SHOULD EVALUATE
ITS USE IN THEIR APPLICATION
AND, IF NECESSARY, INSULATING
TAPE MAY BE APPLIED TO COVER
THE ALUMINUM LAYER, AS USER
DEEMS APPROPRIATE.
5. PRODUCT SPECIFICATION: PS-0390.
6. FLAMMABILITY RATING
-TWINAX/AUX RIBBONS: UL758
HORIZONTAL FLAME
TEST FOR INTERNAL WIRING
-PCBS: UL94V-0
7. PADDLECARD PLATING:
30 μ " MIN. GOLD PLATING
50 μ " MIN. NICKEL UNDERPLATING.
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. LENGTH TOLERANCE:
± 5MM FOR LENGTHS LESS THAN 0.5M.
± 8MM FOR LENGTHS 0.5 TO 1.0 METER.
10. (C) DENOTES CRITICAL DIMENSION.
11. LABEL LOCATION MAY VARY ON
SHORTER CABLE ASSEMBLIES,
≤ 250 MM.
LABEL MUST NOT LAY ON TOP
OF BLACK TAPE.

78-5100-2807-5 A

DESIGN REFERENCE		NEXT ASSEMBLY		PRODUCTION RELEASE	
REV	ECO	ISSUE DATE	AND DESCRIPTION	DRFT	CHKD
G WELLS		JAN 06, 2025	W G LIU	JAN 06, 2025	
OKO					
M LETTANG		JAN 06, 2025	M LETTANG	JAN 06, 2025	
3M COPYRIGHT 2025					
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3M PCIE JUMPER CABLE ASSY GEN5					
CAGE	SIZE	DRAWING NO.			
D	78-5100-2807-5	REV A			
DET.	LISTS	YES	NO	SHT 1	OF 6

3M™ TWIN AXIAL PCI EXPRESS JUMPER CABLE ASSEMBLIES GEN 5.0

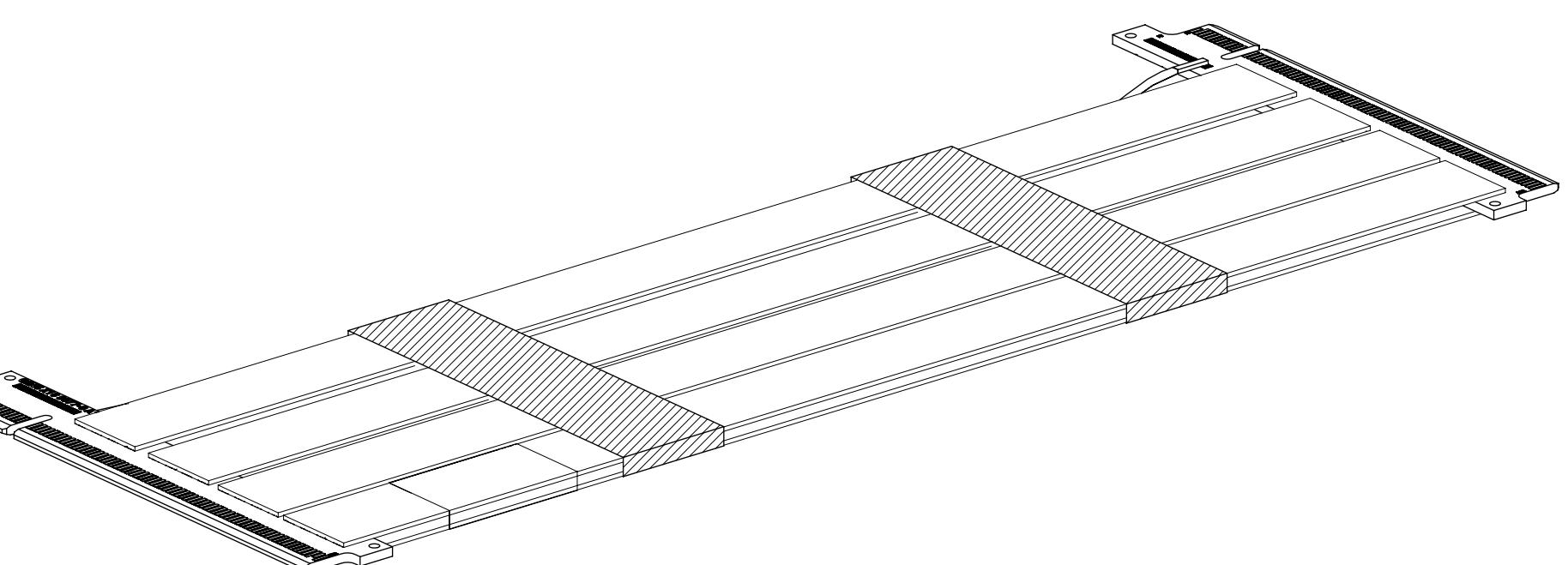


×16 PASS-THRU VERSION ORDERING INFORMATION

8KGH-0990L-XXXX

- STANDARD LENGTHS DIM. "A"
0250 = [250 MM]
0500 = [500 MM]

NOTE :
NON-STANDARD LENGTHS AVAILABLE UPON REQUEST.
MAY REQUIRE HIGHER MOQ'S AND LONGER LEAD TIMES.

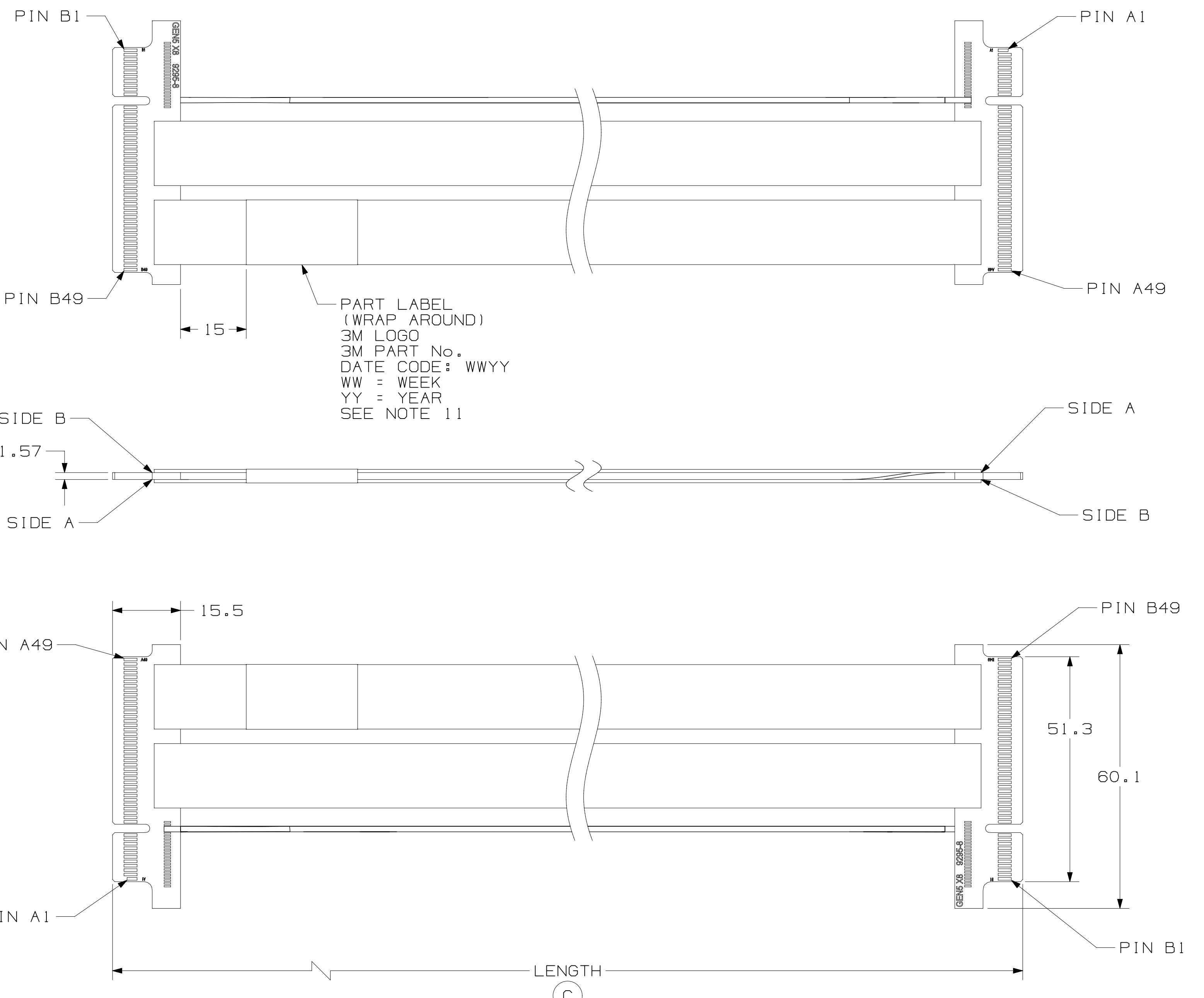


ASSEMBLY LENGTH	RIBBON TRANSPOSITION ZONE (DIM A)	TAPE WIDTH
0.25 M AND LESS	80 +/- 10 MM	20 +/- 5 MM
> 0.25 M AND < 0.5 M	120 +/- 15 MM	20 +/- 5 MM
0.5 M AND LONGER	160 +/- 20 MM	20 +/- 5 MM

PASS-THRU PINOUT ASSEMBLIES HAVE A RIBBON TRANSPOSITION ZONE, OF LENGTH "A", WHERE THE TOP/BOTTOM RIBBONS OF EACH RIBBON STACK ARE SPLIT AND SWAPPED.

DESIGN REFERENCE				NEXT ASSEMBLY		A	0120684	JAN 06, 2025		GAW	MML	
				REV	ECO	PRODUCTION RELEASE				DRFT	CHKD	
				DRFT G WELLS		DATE JAN 06, 2025		MFG	DATE J G LIU		JAN 06, 2025	
				CHKD M LETTANG		DATE JAN 06, 2025		APPL	DATE M LETTANG		JAN 06, 2025	
INSTRUCTION				DIVISION CODE EMSD		3M Center St. Paul, MN 55144		© 3M COPYRIGHT 2025 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.				
DO NOT SCALE DRAWING				TOLERANCES EXCEPT AS NOTED		TITLE		3M PCIE JUMPER CABLE ASSY GEN5				
				INCHES								
				.0	±							
				.00	±							
				.000	±							
				.0000	±							
SECOND ANGLE PROJECTION				MILLIMETERS								
				0	± 1							
				.0	± 0.5							
				.00	± 0.05							
				.000	± 0.005							
INTERPRET PER ASME Y14.5 - 2018				CAGE NUMBER	SIZE	DRAWING NO.		REV.				
SURFACE ROUGHNESS					D	78-5100-2807-5		A				
ALL SURFACES												
MARKED ONLY				MODEL	GEN 5	DET.	LISTS	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	SHT 2 OF 6		
ANGLES				±								

3M™ TWIN AXIAL PCI EXPRESS JUMPER CABLE ASSEMBLIES GEN 5.0

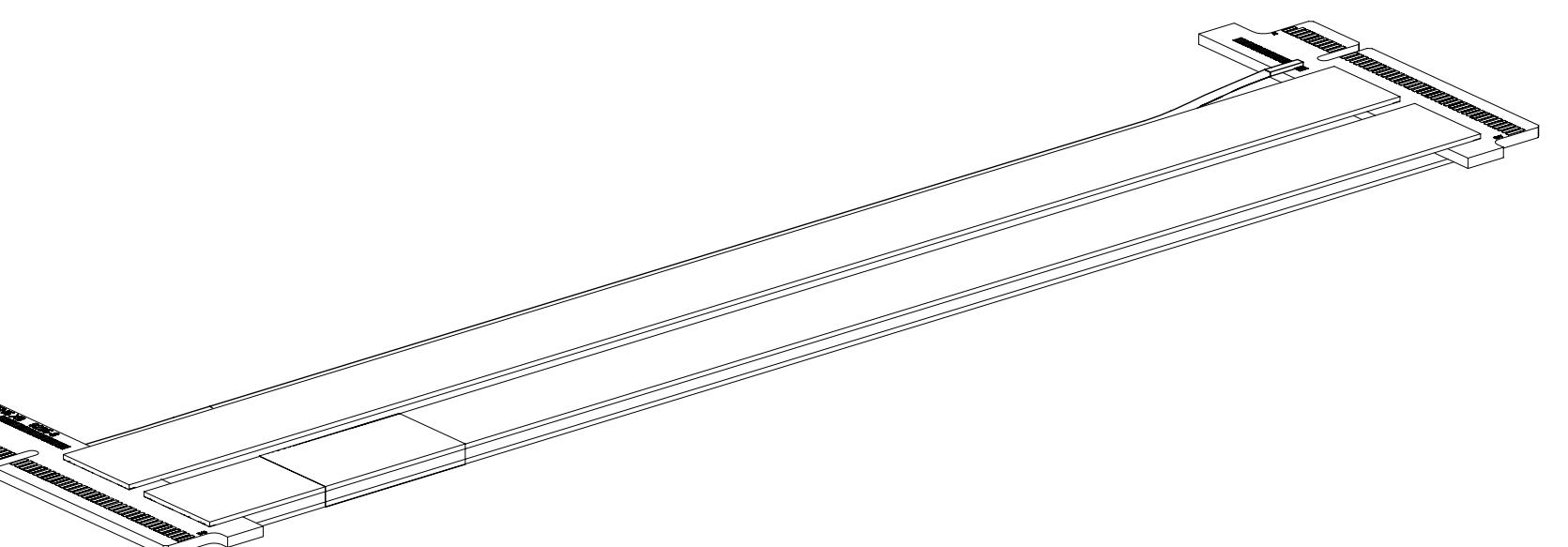


X8 CROSS-OVER VERSION ORDERING INFORMATION

BKF8-0988-XXXX

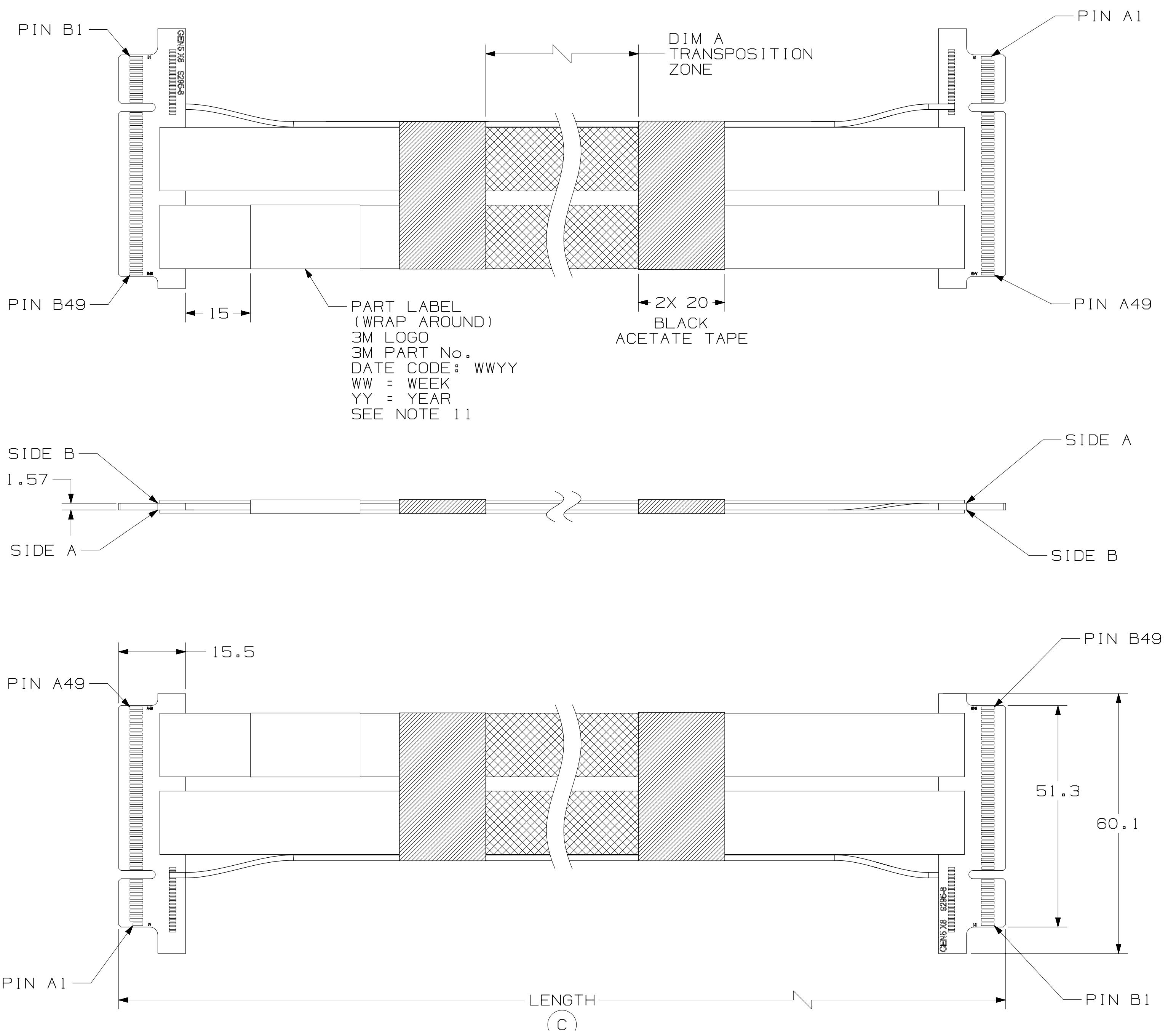
— STANDARD LENGTHS DIM. "A"
0250 = [250 MM]
0500 = [500 MM]

NOTE: NON-STANDARD LENGTHS AVAILABLE UPON REQUEST. MAY REQUIRE HIGHER MOQ'S AND LONGER LEAD TIMES.



A	0120684	JAN 06, 2025			GAW	MML
PRODUCTION RELEASE						
SEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
	DRFT G WELLS		DATE JAN 06, 2025	MFG J G LIU	DATE JAN 06, 2025	
	CHKD M LETTANG		DATE JAN 06, 2025	APPL M LETTANG	DATE JAN 06, 2025	
ISION CODE SD	3M		3M Center St. Paul, MN 55144	© 3M COPYRIGHT 2025 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.		
TOLERANCES EXCEPT AS NOTED	TITLE 3M PCIe JUMPER CABLE ASSY GEN5					
INCHES 0 ± 00 ± 000 ±						
ILLIMETERS 0 ± 1 0 ± 0.5 0 ± 0.05 00 ± 0.005						
CAGE NUMBER		SIZE D	DRAWING NO. 78-5100-2807-5		REV. A	
MODEL GEN 5		DET. LISTS		YES <input checked="" type="checkbox"/> NO	SHT 3 OF 6	

8 7 6 5 4 3 2 1
3M™ TWIN AXIAL PCI EXPRESS JUMPER CABLE ASSEMBLIES GEN 5.0

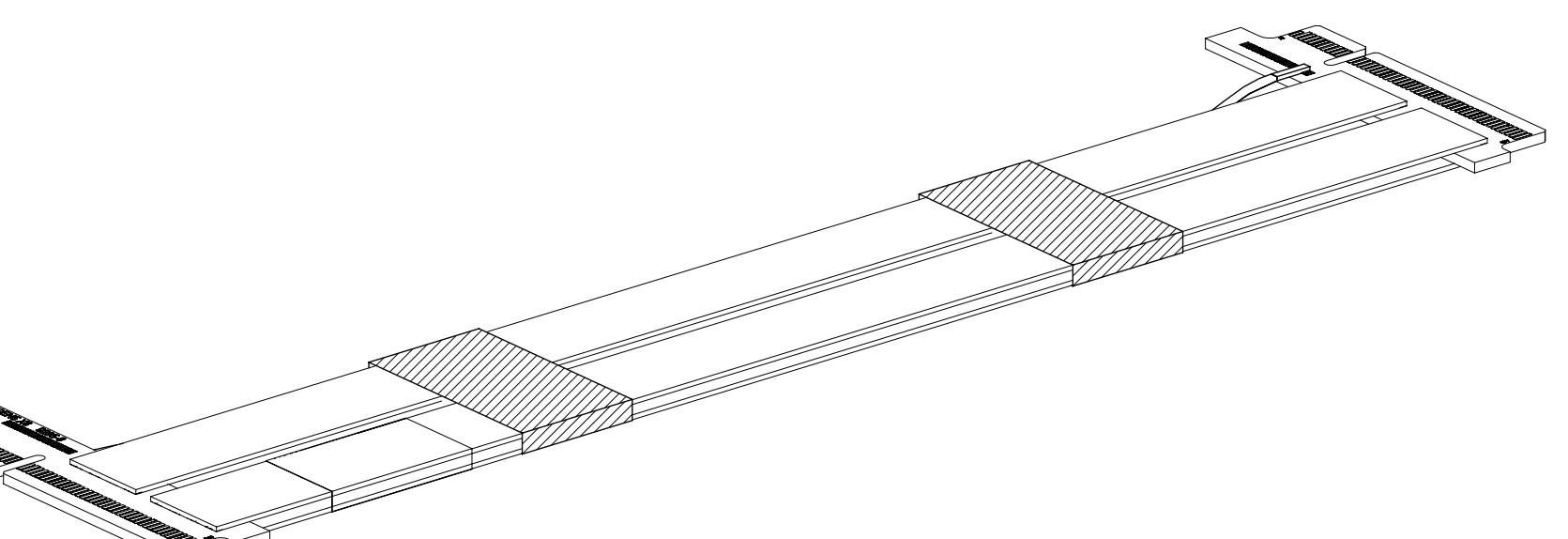


X8 PASS-THRU VERSION
ORDERING INFORMATION

8KG8-0991L-XXXX

STANDARD LENGTHS DIM. "A"
0250 = [250 MM]
0500 = [500 MM]

NOTE:
NON-STANDARD LENGTHS AVAILABLE UPON REQUEST.
MAY REQUIRE HIGHER MOQ'S AND LONGER LEAD TIMES.



ASSEMBLY LENGTH	RIBBON TRANSPOSITION ZONE (DIM A)	TAPE WIDTH
0.25 M AND LESS	80 +/- 10 MM	20 +/- 5 MM
> 0.25 M AND < 0.5 M	120 +/- 15 MM	20 +/- 5 MM
0.5 M AND LONGER	160 +/- 20 MM	20 +/- 5 MM

PASS-THRU PINOUT ASSEMBLIES HAVE A RIBBON TRANSPOSITION ZONE, OF LENGTH "A", WHERE THE TOP/BOTTOM RIBBONS OF EACH RIBBON STACK ARE SLIT AND SWAPPED.

NOTES

1. DIMENSIONS ARE IN MILLIMETERS.
2. 3M TWIN AXIAL CABLE DESCRIPTION:
30 AWG, SILVER PLATED SIGNAL WIRE
IMPEDANCE: 87 ± 5 OHM
OVERALL RIBBON WIDTH: 14.56 MM
OVERALL RIBBON THICKNESS: 0.74 MM
3. REGULATORY INFORMATION:
VISIT 3M.com/regs OR CONTACT
YOUR 3M REPRESENTATIVE TO FIND
THE RoHS COMPLIANCE STATUS OF
THE 3M PART YOU ARE INTERESTED
IN.
4. THIS CABLE CONSTRUCTION HAS
A THIN ALUMINUM LAYER AT EACH
EDGE. USER SHOULD EVALUATE
ITS USE IN THEIR APPLICATION
AND, IF NECESSARY, INSULATING
TAPE MAY BE APPLIED TO COVER
THE ALUMINUM LAYER, AS USER
DEEMS APPROPRIATE.
5. PRODUCT SPECIFICATION: PS-0390.
6. FLAMMABILITY RATING
- TWINAX/AUX RIBBONS: UL94 HB
HORIZONTAL FLAME
TEST FOR INTERNAL WIRING
- PCB'S: UL94V-0
7. PADDLECARD PLATING:
30 μ MIN. GOLD PLATING
50 μ MIN. NICKEL UNDERPLATING.
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. LENGTH TOLERANCE:
 ± 5 MM FOR LENGTHS LESS THAN 0.5M.
 ± 8 MM FOR LENGTHS 0.5 TO 1.0 METER.
10. (C) DENOTES CRITICAL DIMENSION.
11. LABEL LOCATION MAY VARY ON
SHORTER CABLE ASSEMBLIES,
 \leq 250 MM.
LABEL MUST NOT LAY ON TOP
OF BLACK TAPE.

A	0120684	JAN 06,2025	GAW	MML
REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
78-5100-2807-5				
3M CENTER ST. PAUL, MN 55144				
G. WELLS JAN 06,2025 M. LIU JAN 06,2025				
OKO M. LETTANG JAN 06,2025 M. LETTANG JAN 06,2025				
3M COPYRIGHT 2025				
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3M PCIE JUMPER CABLE ASSY GEN5				
CAGE NUMBER	SIZE	DRAWING NO.	REV.	
D	78-5100-2807-5	A		
DET.	LISTS	YES	NO	SHT 4 OF 6

3M™ TWIN AXIAL PCI EXPRESS JUMPER CABLE ASSEMBLIES GEN 5.0

X16 PINOUTS

X16 PCIe CROSS-OVER JUMPER PINOUT

PO PINS	PO SIGNAL NAME	P1 SIGNAL NAME	P1 PINS
A13	REFCLK	REFCLK	A13
A14			A14
A16	Rx00	Tx00	B14
A17			B15
A21	Rx01	Tx01	B19
A22			B20
A25	Rx02	Tx02	B23
A26			B24
A29	Rx03	Tx03	B27
A30			B28
A35	Rx04	Tx04	B33
A36			B34
A39	Rx05	Tx05	B37
A40			B38
A43	Rx06	Tx06	B41
A44			B42
A47	Rx07	Tx07	B45
A48			B46
A52	Rx08	Tx08	B50
A53			B51
A56	Rx09	Tx09	B54
A57			B55
A60	Rx10	Tx10	B58
A61			B59
A64	Rx11	Tx11	B62
A65			B63
A68	Rx12	Tx12	B66
A69			B67
A72	Rx13	Tx13	B70
A73			B71
A76	Rx14	Tx14	B74
A77			B75
A80	Rx15	Tx15	B78
A81			B79

PINOUT NOTES:

1. ALL GROUNDS ARE TIED TOGETHER IN PCB'S.
2. ALL POWER/AUX POSITIONS (NOT SHOWN IN PINOUT TABLE) ARE NO-CONNECT BETWEEN THE PCB'S.

X16 PCIe PASS-THRU JUMPER PINOUT

PO PINS	PO SIGNAL NAME	P1 SIGNAL NAME	P1 PINS
A13	REFCLK	REFCLK	A13
A14			A14
A16	Rx00	Rx00	A16
A17			A17
A21	Rx01	Rx01	A21
A22			A22
A25	Rx02	Rx02	A25
A26			A26
A29	Rx03	Rx03	A29
A30			A30
A35	Rx04	Rx04	A35
A36			A36
A39	Rx05	Rx05	A39
A40			A40
A43	Rx06	Rx06	A43
A44			A44
A47	Rx07	Rx07	A47
A48			A48
A52	Rx08	Rx08	A52
A53			A53
A56	Rx09	Rx09	A56
A57			A57
A60	Rx10	Rx10	A60
A61			A61
A64	Rx11	Rx11	A64
A65			A65
A68	Rx12	Rx12	A68
A69			A69
A72	Rx13	Rx13	A72
A73			A73
A76	Rx14	Rx14	A76
A77			A77
A80	Rx15	Rx15	A80
A81			A81

PINOUT NOTES:

1. ALL GROUNDS ARE TIED TOGETHER IN PCB'S.
2. ALL POWER/AUX POSITIONS (NOT SHOWN IN PINOUT TABLE) ARE NO-CONNECT BETWEEN THE PCB'S.

PO PINS	PO SIGNAL NAME	P1 SIGNAL NAME	P1 PINS
B14	Tx00	Tx00	B14
B15			B15
B19	Tx01	Tx01	B19
B20			B20
B23	Tx02	Tx02	B23
B24			B24
B27	Tx03	Tx03	B27
B28			B28
B33	Tx04	Tx04	B33
B34			B34
B37	Tx05	Tx05	B37
B38			B38
B41	Tx06	Tx06	B41
B42			B42
B45	Tx07	Tx07	B45
B46			B46
B50	Tx08	Tx08	B50
B51			B51
B54	Tx09	Tx09	B54
B55			B55
B58	Tx10	Tx10	B58
B59			B59
B62	Tx11	Tx11	B62
B63			B63
B66	Tx12	Tx12	B66
B67			B67
B70	Tx13	Tx13	B70
B71			B71
B74	Tx14	Tx14	B74
B75			B75
B78	Tx15	Tx15	B78
B79			B79

A	0120684	JAN 06,2025	GAW	MML
REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
DESIGN REFERENCE				
ACCESS CODES	NEXT ASSEMBLY			
DIVISION				
DIVISION CODE EMD				
DO NOT SCALE DRAWING	SCALE	TOLERANCES EXCEPT AS NOTED	INCHES	
THIRD ANGLE PROJECTION				
INTERPRET PER ASME Y14.5 - 2018				
MILLIMETERS				
MAX SURFACE ROUGHNESS				
DRAWING NO. 78-5100-2807-5				
REV. A				
CAGE NUMBER D				
DET. LISTS				
SHT 5 OF 6				

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3M PCIE JUMPER CABLE ASSY GEN5

3M™ TWIN AXIAL PCI EXPRESS JUMPER CABLE ASSEMBLIES GEN 5.0

X8 PINOUTS

X8 PCIe CROSS-OVER JUMPER PINOUT

PO PINS	PO SIGNAL NAME	P1 SIGNAL NAME	P1 PINS
A13	REFCLK	REFCLK	A13
A14			A14
A16	Rx00	Tx00	B14
A17			B15
A21	Rx01	Tx01	B19
A22			B20
A25	Rx02	Tx02	B23
A26			B24
A29	Rx03	Tx03	B27
A30			B28
A35	Rx04	Tx04	B33
A36			B34
A39	Rx05	Tx05	B37
A40			B38
A43	Rx06	Tx06	B41
A44			B42
A47	Rx07	Tx07	B45
A48			B46

PO PINS	PO SIGNAL NAME	P1 SIGNAL NAME	P1 PINS
B14	Tx00	Rx00	A16
B15			A17
B19	Tx01	Rx01	A21
B20			A22
B23	Tx02	Rx02	A25
B24			A26
B27	Tx03	Rx03	A29
B28			A30
B33	Tx04	Rx04	A35
B34			A36
B37	Tx05	Rx05	A39
B38			A40
B41	Tx06	Rx06	A43
B42			A44
B45	Tx07	Rx07	A47
B46			A48
B50	Tx08	Rx08	A52
B51			A53

PINOUT NOTES:

1. ALL GROUNDS ARE TIED TOGETHER IN PCB'S.
2. ALL POWER/AUX POSITIONS (NOT SHOWN IN PINOUT TABLE) ARE NO-CONNECT BETWEEN THE PCB'S.

X8 PCIe PASS-THRU JUMPER PINOUT

PO PINS	PO SIGNAL NAME	P1 SIGNAL NAME	P1 PINS
A13	REFCLK	REFCLK	A13
A14			A14
A16	Rx00	Rx00	A16
A17			A17
A21	Rx01	Rx01	A21
A22			A22
A25	Rx02	Rx02	A25
A26			A26
A29	Rx03	Rx03	A29
A30			A30
A35	Rx04	Rx04	A35
A36			A36
A39	Rx05	Rx05	A39
A40			A40
A43	Rx06	Rx06	A43
A44			A44
A47	Rx07	Rx07	A47
A48			A48

PO PINS	PO SIGNAL NAME	P1 SIGNAL NAME	P1 PINS
B14	Tx00	Tx00	B14
B15			B15
B19	Tx01	Tx01	B19
B20			B20
B23	Tx02	Tx02	B23
B24			B24
B27	Tx03	Tx03	B27
B28			B28
B33	Tx04	Tx04	B33
B34			B34
B37	Tx05	Tx05	B37
B38			B38
B41	Tx06	Tx06	B41
B42			B42
B45	Tx07	Tx07	B45
B46			B46

PINOUT NOTES:

1. ALL GROUNDS ARE TIED TOGETHER IN PCB'S.
2. ALL POWER/AUX POSITIONS (NOT SHOWN IN PINOUT TABLE) ARE NO-CONNECT BETWEEN THE PCB'S.

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3M Company
Electronics Materials Solutions Division
13011 McCallen Pass, Bldg. C
Austin, TX 78753-5380
1-800-225-5373
www.3M.com/interconnect

A	0120684	JAN 06,2025	GAW	MML
REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
DESIGN REFERENCE				
ACCESS CODES	NEXT ASSEMBLY			
DIVISION				
DIVISION CODE				
EMSD				
DO NOT SCALE DRAWING	SCALE DRAWING	TOLERANCES EXCEPT AS NOTED		
INCHES				
.0 ± .00				
.000 ± .000				
.0000 ± .0000				
THIRD ANGLE PROJECTION				
INTERPRET PER ASME Y14.5 - 2018				
MILLIMETERS				
.0 ± .5				
.00 ± .05				
.000 ± .005				
MAX SURFACE ROUGHNESS				
.000 ± .005				
LINE SURFACES				
.000 ± .005				
CAGE NUMBER				
DRAWING NO. D 78-5100-2807-5				
REV. A				
DET. LISTS				
LISTS				
YES X NO				
SHT 6 OF 6				

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3M PCIE JUMPER CABLE ASSY GEN5