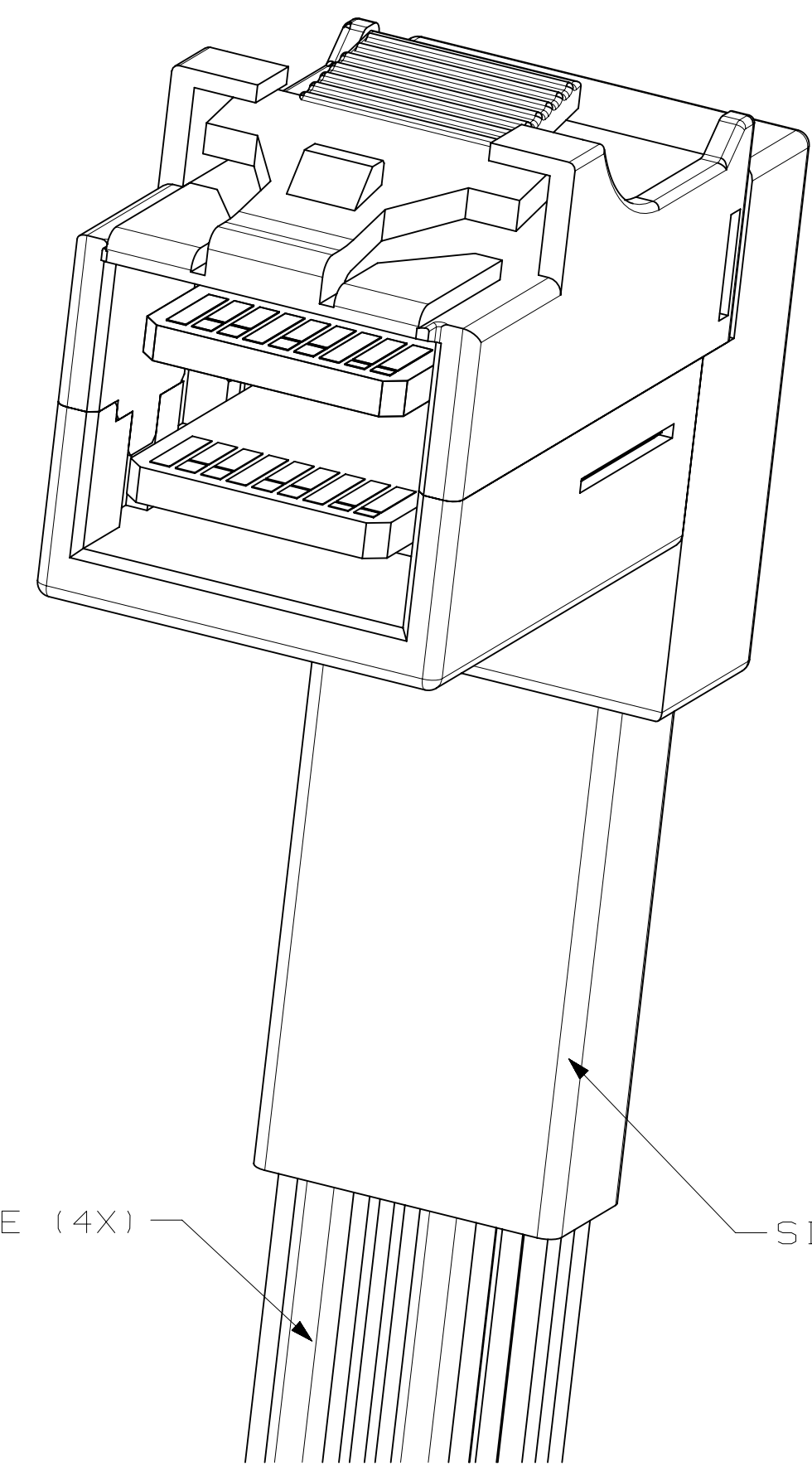
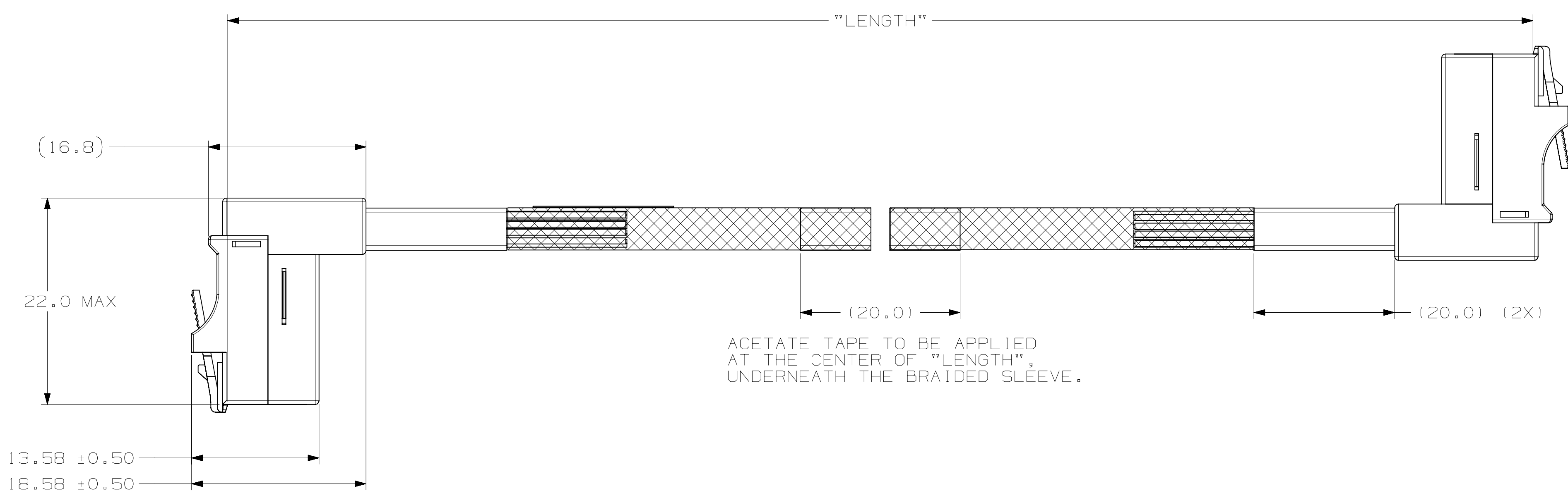
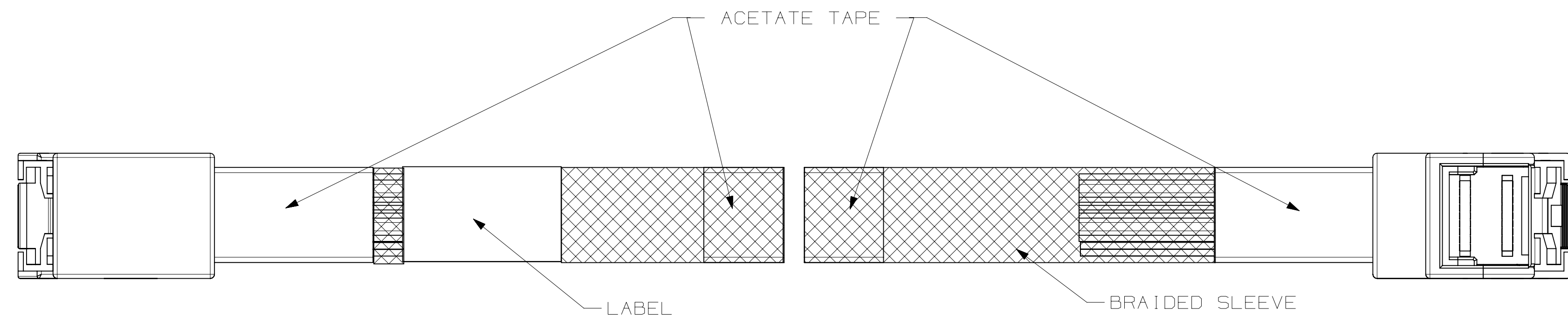


3M™ HIGH ROUTABILITY INTERNAL MINISAS HD CABLE ASSEMBLIES, 8U SERIES

RIGHT-ANGLE - TO - RIGHT-ANGLE INTERNAL MINISAS HD CABLE ASSEMBLY



3M PART NUMBER

8US4-XXX39-00-X.XX
YYWWD

LABEL INFORMATION

LOT NUMBER

DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
DISTRIBUTION CODES				DRY	KOK HOE LEE	DATE	OCT 17, 2014	MFG
				CHKD	YUNLONG QIAO	DATE	OCT 17, 2014	APPR
						DATE	OCT 17, 2014	SAJJIT BANDHU
DIVISION		DIVISION CODE		© 3M COPYRIGHT 2015 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	SCALE 1/1	TOLERANCES EXCEPT AS NOTED		3M 3M Center St. Paul, MN 55144				
THIRD ANGLE PROJECTION		INCHES		TITLE INTERNAL MINISAS HD CABLE ASSEMBLY RIGHT-ANGLE CONNECTOR				
INTERPRET PER ASME Y14.5 - 1994		MILLIMETERS		CAGE NUMBER DRAWING NO. REV.				
MAX SURFACE ROUGHNESS 125	<input type="checkbox"/> ALL SURFACES <input checked="" type="checkbox"/> MARKED ONLY	0 ± 1 .0 ± .5 .00 ± .05 .000 ± .005		MODEL D78-5100-2651-7		SHT 1 OF 4		

3M™ HIGH ROUTABILITY INTERNAL MINISAS HD CABLE ASSEMBLIES, 8U SERIES

RIGHT-ANGLE - TO - RIGHT-ANGLE INTERNAL MINISAS HD CABLE ASSEMBLY

WIRING DIAGRAMS

3M PART NUMBERING SCHEME

8US4 - XXX 39 - 00 - X.XX

"LENGTH" IN METERS

"LENGTH" TOLERANCE

±10MM FOR "LENGTH" 0.5 METER MAX
±15MM FOR "LENGTH" MORE THAN 0.5 METER

TABLE 1: DESCRIPTION FOR "XXX"

XXX	PINOUT	BRAIDED SLEEVE
AA1	STD MINISAS HD 4i WITH SIDEBANDS (SEE TABLE 2)	YES
AA2	STD MINISAS HD 4i WITH SIDEBANDS (SEE TABLE 2)	NO
CB1	MINISAS HD 4i WITHOUT SIDEBANDS (SEE TABLE 3)	YES
CB2	MINISAS HD 4i WITHOUT SIDEBANDS (SEE TABLE 3)	NO

NOTES

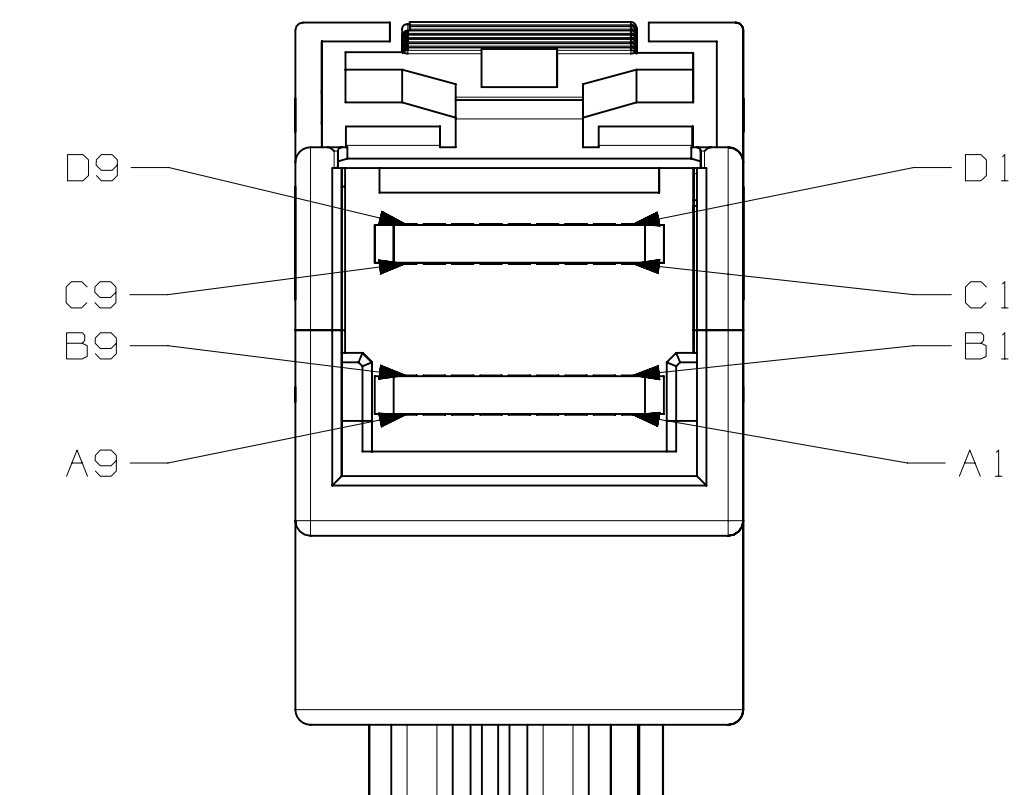
- MATERIALS:
 - HOUSING: THERMOPLASTIC
 - INNERMOULD: THERMOPLASTIC
 - 3M™ TWIN AXIAL CABLE:
 - CONDUCTORS: SOLID COPPER, Ag-PLATED SIGNALS
 - INSULATOR: POLYOLEFIN
 - SHIELDING: ALUMINIUM LAYER
 - SIDEBAND CABLE:
 - CONDUCTORS: SOLID COPPER
 - INSULATOR: THERMOPLASTIC ELASTOMER
 - PCB: LOW DIELECTRIC CONSTANT MATERIAL FOR HIGH SPEED APPLICATION
 - BRAIDED SLEEVE: THERMOPLASTIC
- ROHS COMPLIANT. SEE REGULATORY INFORMATION APPENDIX IN "ROHS COMPLIANCE" SECTION AT WWW.3M.COM/INTERCONNECT (E1 & C1 APPLY)
- 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.
- PRODUCT SPECIFICATION: 78-5102-0200-1

PINOUT 1				
POSITION	SYMBOL		SYMBOL	POSITION
D9	GROUND	—	GROUND	B9
D8	Tx2-	→	Rx2-	B8
D7	Tx2+	→	Rx2+	B7
D6	GROUND	—	GROUND	B6
D5	Tx0-	→	Rx0-	B5
D4	Tx0+	→	Rx0+	B4
D3	GROUND	—	GROUND	B3
D2	SIDEBAND 6	↔	SIDEBAND 5	D1
D1	SIDEBAND 5	↔	SIDEBAND 6	D2
C1	SIDEBAND 4	↔	SIDEBAND 2	C2
C2	SIDEBAND 2	↔	SIDEBAND 4	C1
C3	GROUND	—	GROUND	A3
C4	Tx1+	→	Rx1+	A4
C5	Tx1-	→	Rx1-	A5
C6	GROUND	—	GROUND	A6
C7	Tx3+	→	Rx3+	A7
C8	Tx3-	→	Rx3-	A8
C9	GROUND	—	GROUND	A9
B9	GROUND	—	GROUND	D9
B8	Rx2-	←	Tx2-	D8
B7	Rx2+	←	Tx2+	D7
B6	GROUND	—	GROUND	D6
B5	Rx0-	←	Tx0-	D5
B4	Rx0+	←	Tx0+	D4
B3	GROUND	—	GROUND	D3
B2	SIDEBAND 1	↔	SIDEBAND 3	B1
B1	SIDEBAND 3	↔	SIDEBAND 1	B2
A1	SIDEBAND 7	↔	SIDEBAND 0	A2
A2	SIDEBAND 0	↔	SIDEBAND 7	A1
A3	GROUND	—	GROUND	C3
A4	Rx1+	←	Tx1+	C4
A5	Rx1-	←	Tx1-	C5
A6	GROUND	—	GROUND	C6
A7	Rx3+	←	Tx3+	C7
A8	Rx3-	←	Tx3-	C8
A9	GROUND	—	GROUND	C9

TABLE 2: WITH SIDEBANDS

PINOUT 2				
POSITION	SYMBOL		SYMBOL	POSITION
D9	GROUND	—	GROUND	B9
D8	Tx2-	→	Rx2-	B8
D7	Tx2+	→	Rx2+	B7
D6	GROUND	—	GROUND	B6
D5	Tx0-	→	Rx0-	B5
D4	Tx0+	→	Rx0+	B4
D3	GROUND	—	GROUND	B3
C3	GROUND	—	GROUND	A3
C4	Tx1+	→	Rx1+	A4
C5	Tx1-	→	Rx1-	A5
C6	GROUND	—	GROUND	A6
C7	Tx3+	→	Rx3+	A7
C8	Tx3-	→	Rx3-	A8
C9	GROUND	—	GROUND	A9
B9	GROUND	—	GROUND	D9
B8	Rx2-	←	Tx2-	D8
B7	Rx2+	←	Tx2+	D7
B6	GROUND	—	GROUND	D6
B5	Rx0-	←	Tx0-	D5
B4	Rx0+	←	Tx0+	D4
B3	GROUND	—	GROUND	D3
A3	GROUND	—	GROUND	C3
A4	Rx1+	←	Tx1+	C4
A5	Rx1-	←	Tx1-	C5
A6	GROUND	—	GROUND	C6
A7	Rx3+	←	Tx3+	C7
A8	Rx3-	←	Tx3-	C8
A9	GROUND	—	GROUND	C9

TABLE 3: WITHOUT SIDEBANDS

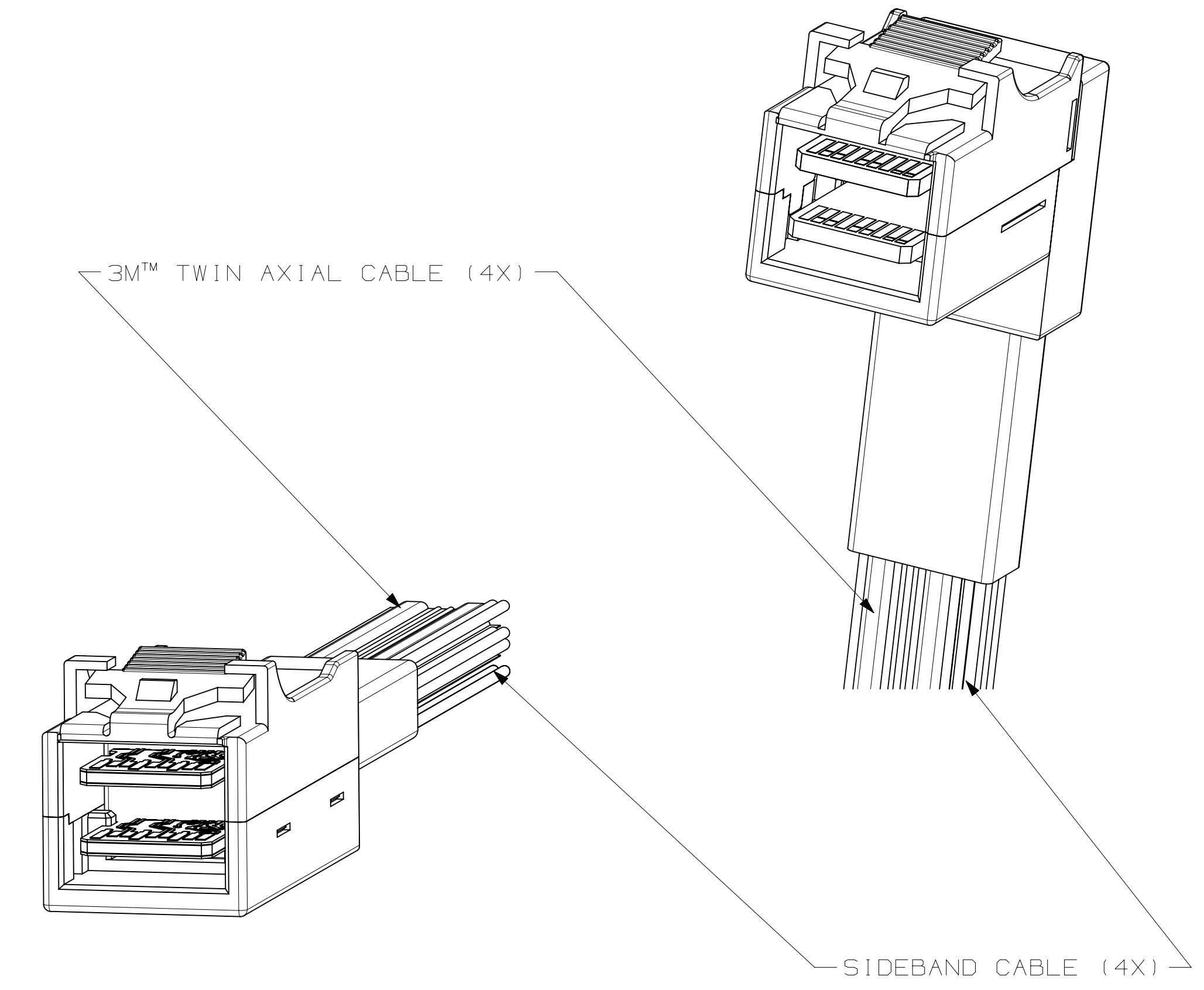
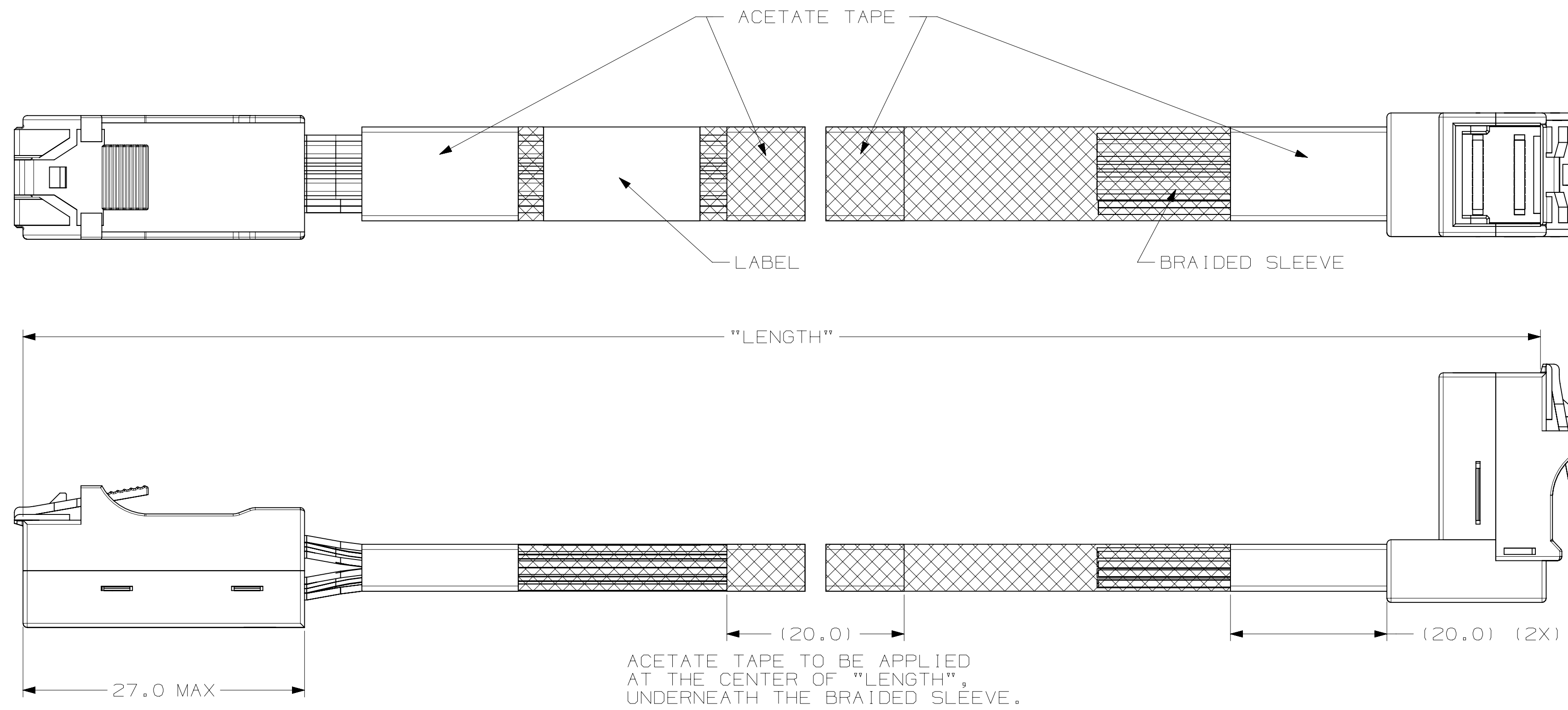


DESIGN REFERENCE	NEXT ASSEMBLY	REV. A	0080617	ISSUE DATE AND DESCRIPTION	OCT 17, 2014	DRFT	KHL	CHKD	SB
DISTRIBUTION CODES		DRY	KOK HOE LEE	DATE	OCT 17, 2014	MFG		DATE	
DIVISION		CHKD	YUNLONG QIAO	DATE	OCT 17, 2014	APPR	SAJJIT BANDHU	DATE	OCT 17, 2014
DO NOT SCALE DRAWING	SCALE 1/1	TOLERANCES EXCEPT AS NOTED		© 3M COPYRIGHT 2015 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.					
THIRD ANGLE PROJECTION		INCHES		MILLIMETERS 0 ± .1 .00 ± .05 .000 ± .005 .000 ± .005 ANGLES ± 1°					
INTERPRET PER ASME Y14.5 - 1994		MAX SURFACE ROUGHNESS		CAGE NUMBER DRAWING NO. 78-5100-2651-7 REV. A					
		ALL SURFACES MARKED ONLY		MODEL DET. 1/15/15 YES X NO SHT 2 OF 4					

78-5100-2651-7
DRAWING NUMBER
REVISION

3M™ HIGH ROUTABILITY INTERNAL MINISAS HD CABLE ASSEMBLIES, 8U SERIES

RIGHT-ANGLE - TO - STANDARD INTERNAL MINISAS HD CABLE ASSEMBLY



NOTES

- FOR DETAILS ON RIGHT-ANGLE INTERNAL MINISAS HD CABLE ASSEMBLY, REFER TO SHEET 1 AND 2.
- FOR DETAILS ON STANDARD INTERNAL MINISAS HD CABLE ASSEMBLY, REFER TO DRAWING NO. 78-5100-2555-0.

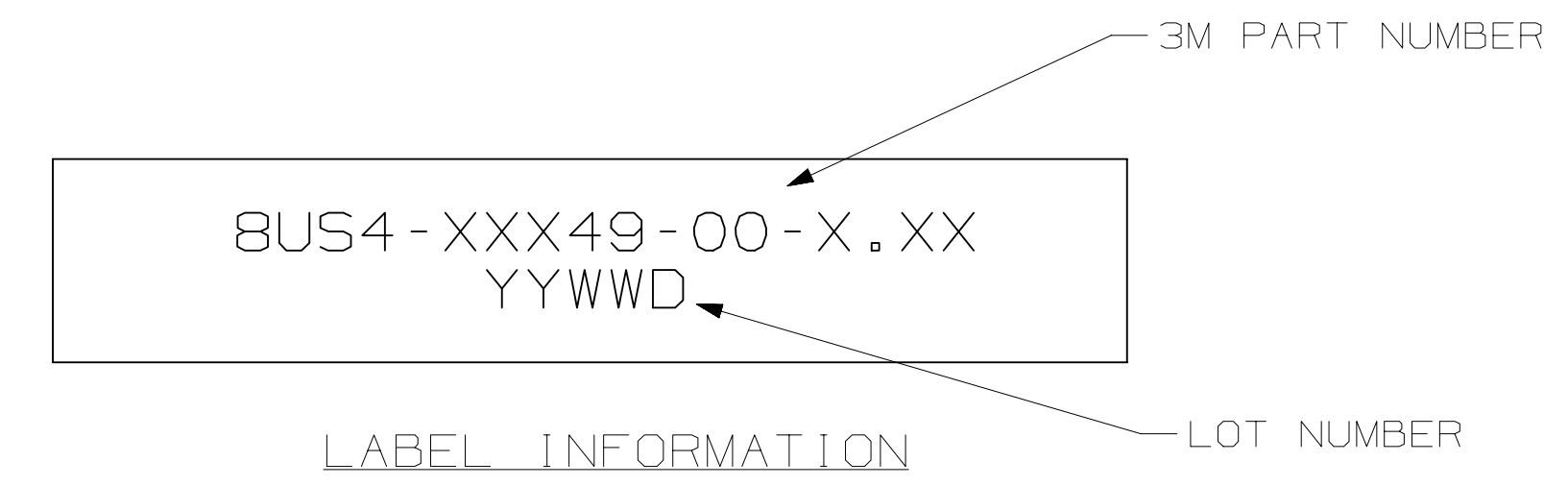
3M PART NUMBERING SCHEME

BUS4 - XXX 49 - 00 - X.XX

"LENGTH" IN METERS
 "LENGTH" TOLERANCE
 ±10MM FOR "LENGTH" 0.5 METER MAX
 ±15MM FOR "LENGTH" MORE THAN 0.5 METER

TABLE 4: DESCRIPTION FOR "XXX"

XXX	PINOUT	BRAIDED SLEEVE
AA1	STD MINISAS HD 4i WITH SIDEBANDS (SEE TABLE 2)	YES
AA2	STD MINISAS HD 4i WITH SIDEBANDS (SEE TABLE 2)	NO
CB1	MINISAS HD 4i WITHOUT SIDEBANDS (SEE TABLE 3)	YES
CB2	MINISAS HD 4i WITHOUT SIDEBANDS (SEE TABLE 3)	NO



REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
DRY	KOK HOE LEE	DATE OCT 17, 2014	MFG	DATE
CHKD	YUNLONG QIAO	DATE OCT 17, 2014	APPR	DATE
			SAJJIT BANDHU	OCT 17, 2014

DIVISION: DO NOT SCALE DRAWING
 TOLERANCES EXCEPT AS NOTED
 INCHES: .00 ±, .000 ±, .0000 ±
 MILLIMETERS: 0 ±, .5 ±, .05 ±, .005 ±
 MAX SURFACE ROUGHNESS: 125, ALL SURFACES, MARKED ONLY
 ANGLES: ±1°

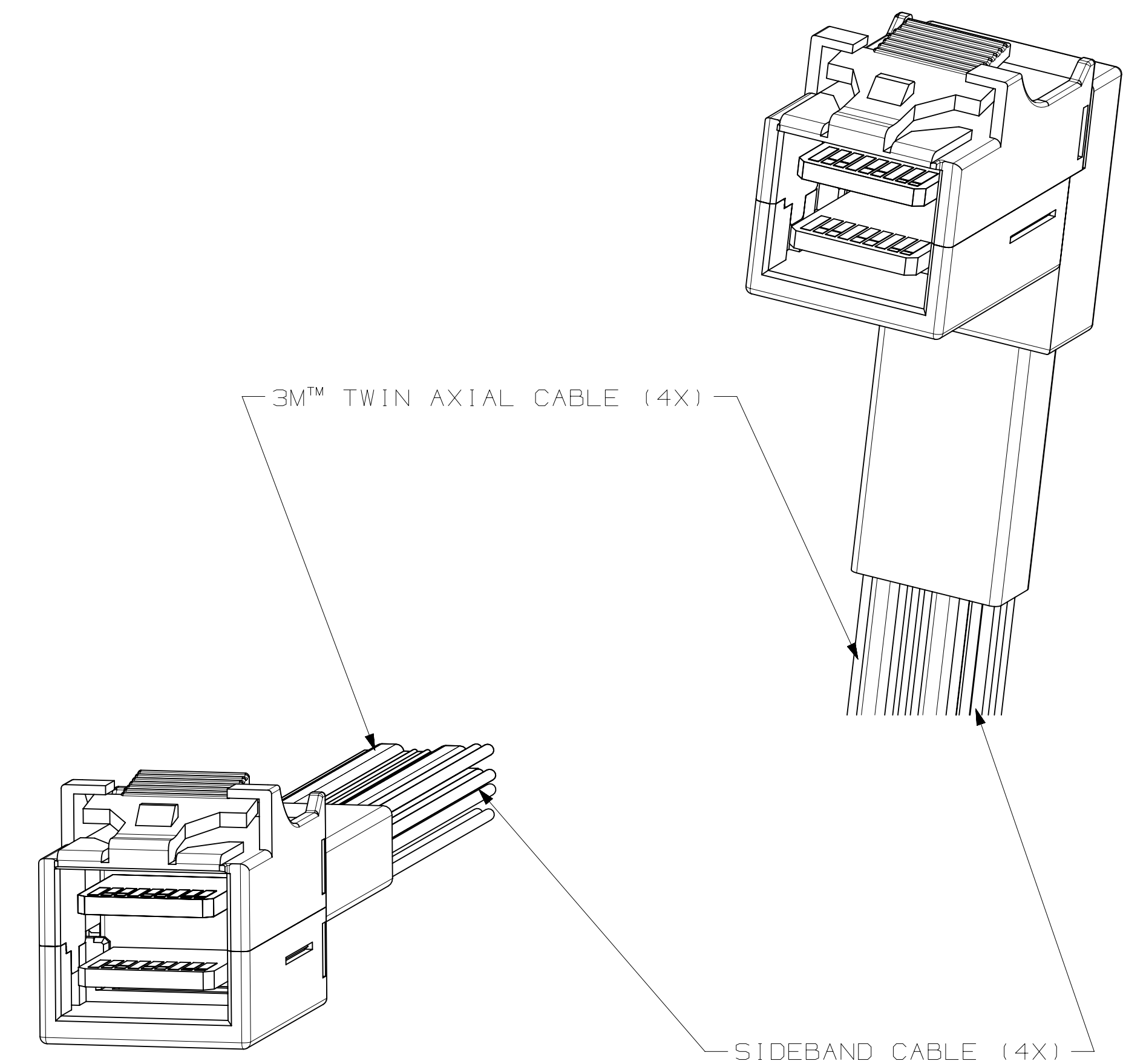
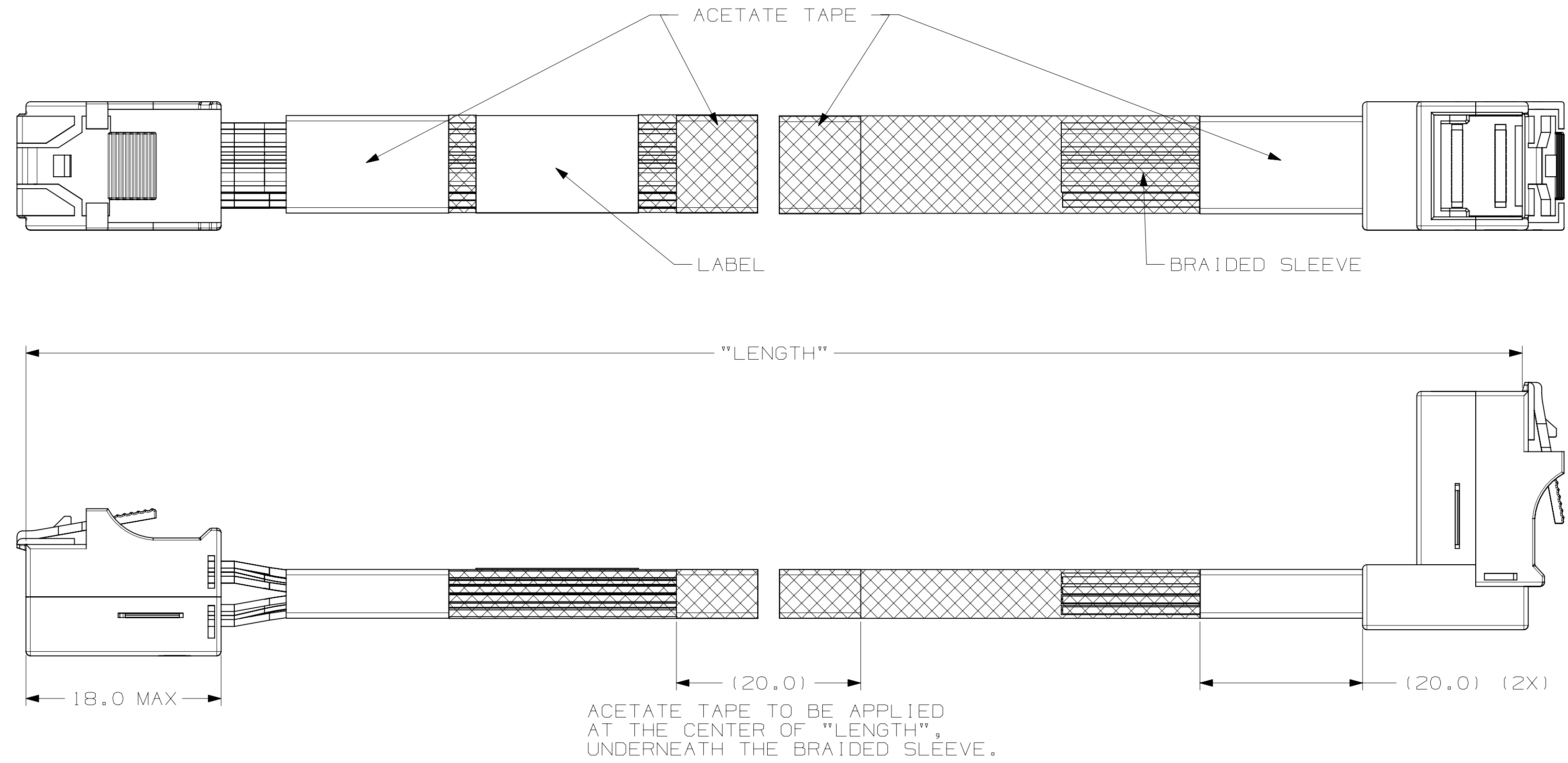
TITLE: INTERNAL MINISAS HD CABLE ASSEMBLY RIGHT-ANGLE CONNECTOR
 CAGE NUMBER: D78-5100-2651-7
 MODEL: YES NO SHT 3 OF 4

78-5100-2651-7
DRAWING NUMBER

A

3M™ HIGH ROUTABILITY INTERNAL MINISAS HD CABLE ASSEMBLIES, 8U SERIES

RIGHT-ANGLE - TO - SHORTENED INTERNAL MINISAS HD CABLE ASSEMBLY



NOTES

- FOR DETAILS ON RIGHT-ANGLE INTERNAL MINISAS HD CABLE ASSEMBLY, REFER TO SHEET 1 AND 2.
- FOR DETAILS ON SHORTENED INTERNAL MINISAS HD CABLE ASSEMBLY, REFER TO DRAWING NO. 78-5100-2658-2.

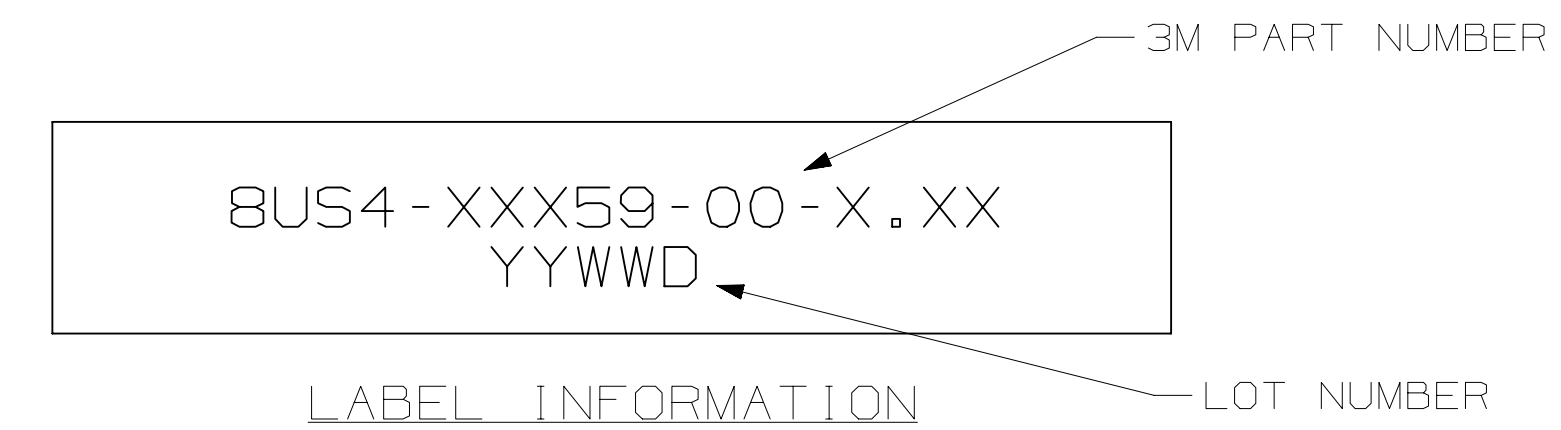
3M PART NUMBERING SCHEME

8US4 - XXX 59 - 00 - X.XX

"LENGTH" IN METERS
 "LENGTH" TOLERANCE
 ±10MM FOR "LENGTH" 0.5 METER MAX
 ±15MM FOR "LENGTH" MORE THAN 0.5 METER

TABLE 5: DESCRIPTION FOR "XXX"

XXX	PINOUT	BRAIDED SLEEVE
AA1	STD MINISAS HD 4i WITH SIDEBANDS (SEE TABLE 2)	YES
AA2	STD MINISAS HD 4i WITH SIDEBANDS (SEE TABLE 2)	NO
CB1	MINISAS HD 4i WITHOUT SIDEBANDS (SEE TABLE 3)	YES
CB2	MINISAS HD 4i WITHOUT SIDEBANDS (SEE TABLE 3)	NO



REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
DIST	KOK HOE LEE	OCT 17, 2014	MFG	DATE
CHKD	YUNLONG QIAO	OCT 17, 2014	APPRV	SAJJIT BANDHU
DIVISION		DISTRIBUTION CODE		
DO NOT SCALE DRAWING		SCALE 1/1	TOLERANCES EXCEPT AS NOTED	
THIRD ANGLE PROJECTION		INCHES		
INTERPRET PER ASME Y14.5 - 1994		MILLIMETERS		
MAX SURFACE ROUGHNESS 125		ALL SURFACES MARKED ONLY		
ANGLES ±1°		3M Center St. Paul, MN 55144		
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TITLE: INTERNAL MINISAS HD CABLE ASSEMBLY RIGHT-ANGLE CONNECTOR				
CAGE NUMBER	SIZE	DRAWING NO.	REV.	
D		78-5100-2651-7	A	
MODEL		DET: [] YES [X] NO SHT 4 OF 4		

78-5100-2651-7
DRAWING NUMBER
A REVISION



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

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