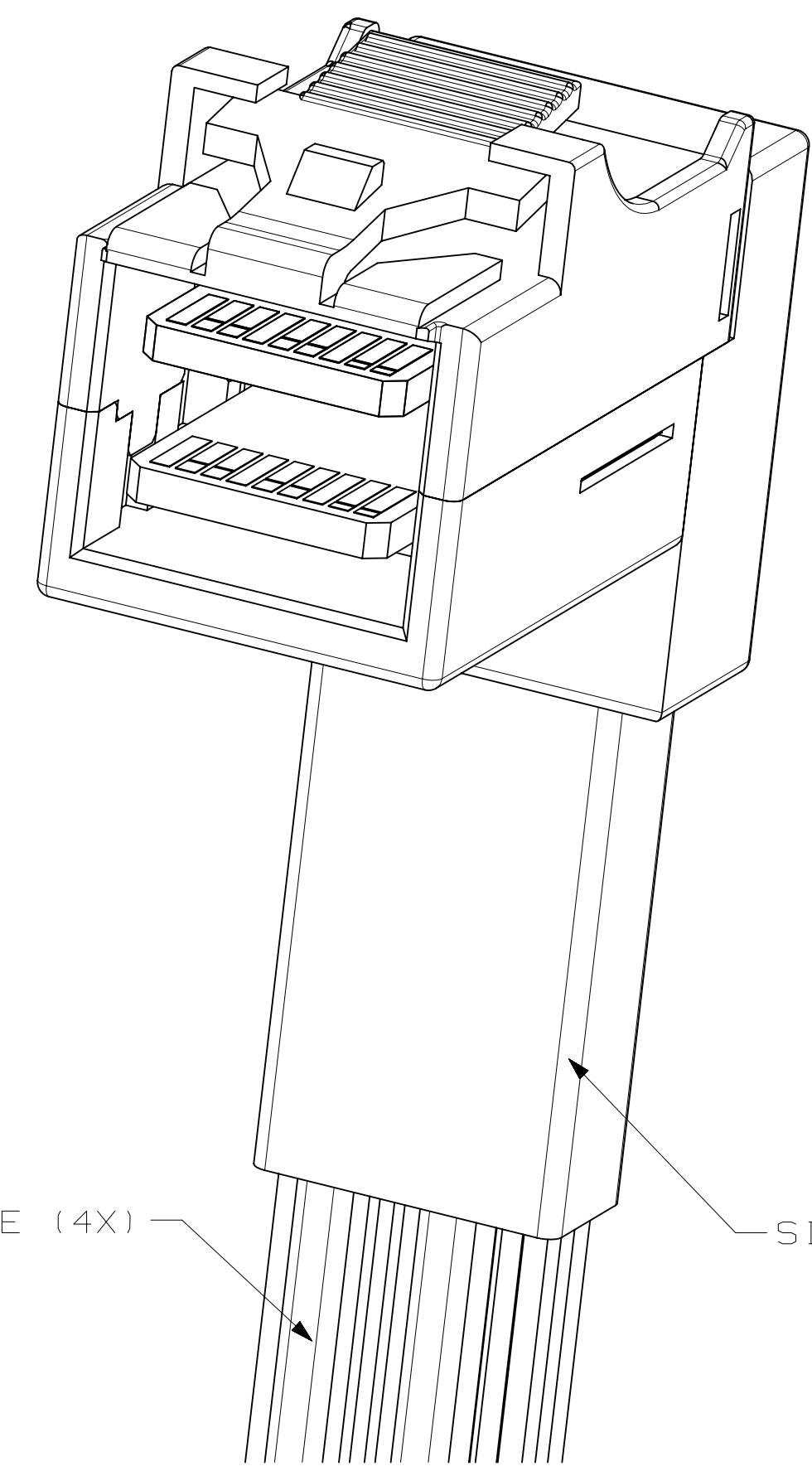
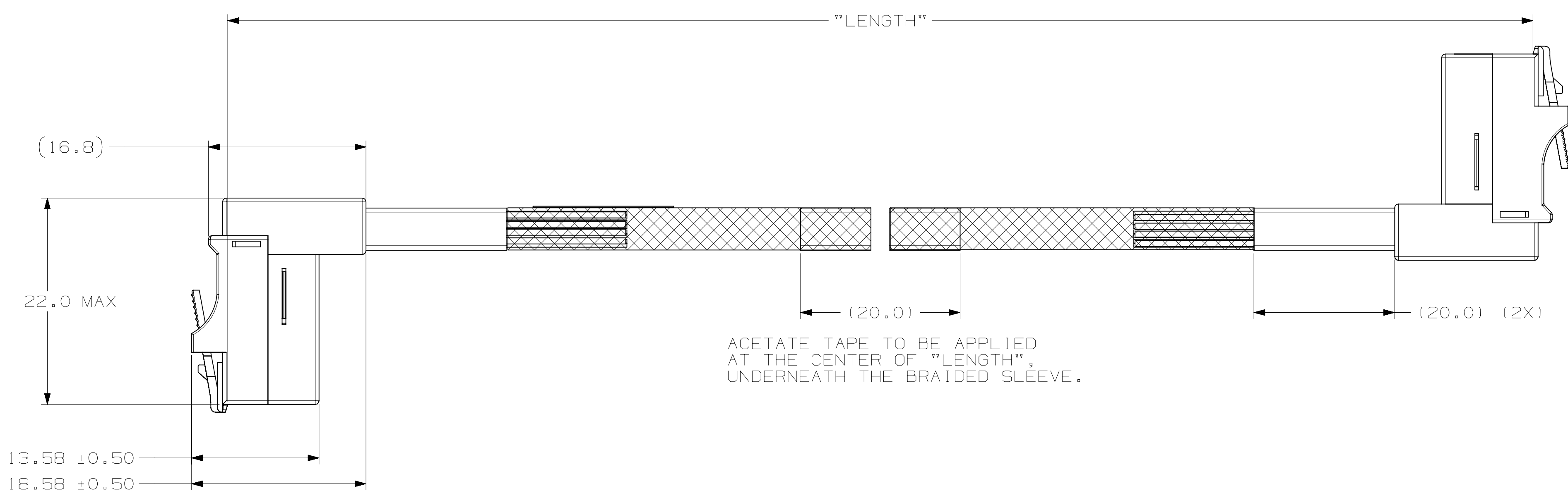
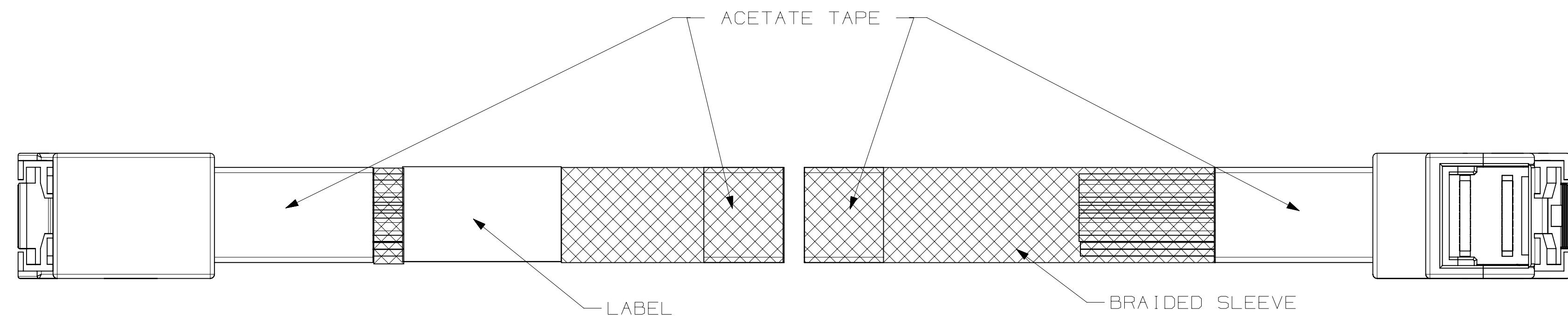


3M™ HIGH ROUTABILITY INTERNAL MINISAS HD CABLE ASSEMBLIES, 8U SERIES

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	DATE
						DATE	OCT 17, 2014	DATE
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		TITLE		
INTERPRET PER ASME Y14.5 - 1994		.00 ±		0 ± .1		INTERNAL MINISAS HD CABLE ASSEMBLY		
MAX SURFACE ROUGHNESS 125		.000 ±		.00 ± .05		CAGE NUMBER		
ALL SURFACES MARKED ONLY		.000 ± .005		.000 ± .005		DRAWING NO. D 78-5100-2651-7		
		ANGLES ±1°		MODEL		REV. A		
						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

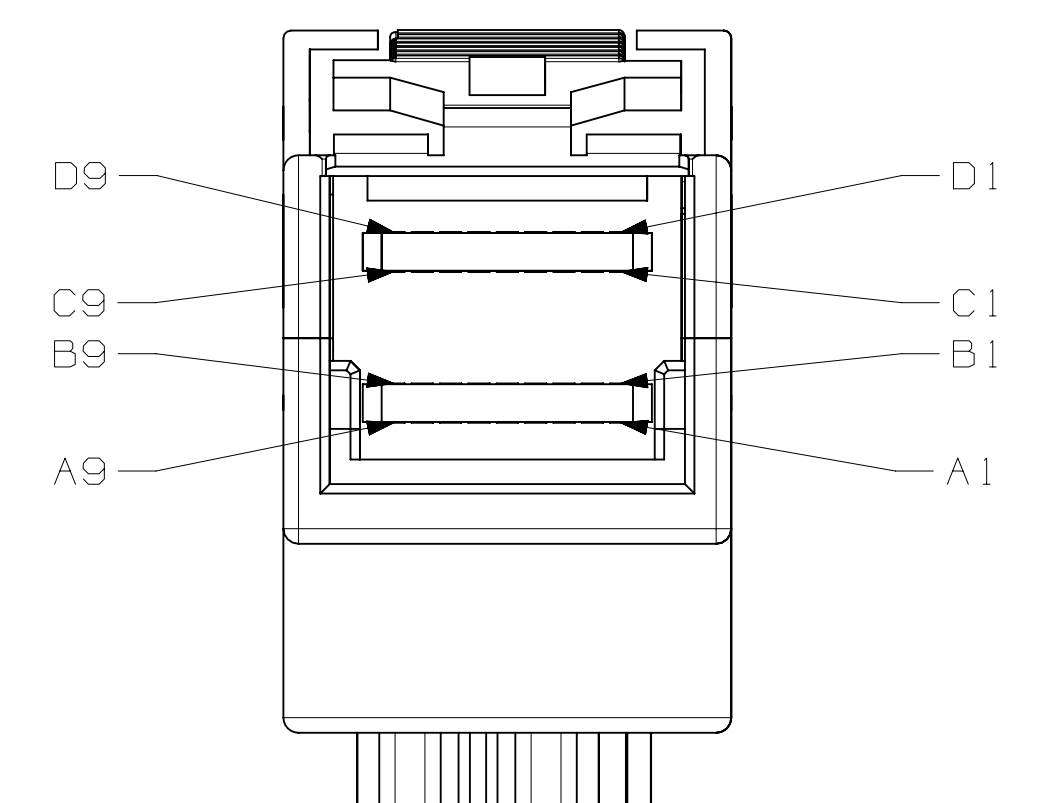
P1		P2		P1		P2	
POSITION	SYMBOL	SYMBOL	POSITION	POSITION	SYMBOL	SYMBOL	POSITION
D9	GROUND	---	GROUND	B9	GROUND	---	GROUND
D8	Tx2-	→	Rx2-	B8	Tx2-	→	Rx2-
D7	Tx2+	→	Rx2+	B7	Tx2+	→	Rx2+
D6	GROUND	---	GROUND	B6	GROUND	---	GROUND
D5	Tx0-	→	Rx0-	B5	Tx0-	→	Rx0-
D4	Tx0+	→	Rx0+	B4	Tx0+	→	Rx0+
D3	GROUND	---	GROUND	B3	GROUND	---	GROUND
D2	SIDEBAND 6	↔	SIDEBAND 5	D1	SIDEBAND 6	↔	SIDEBAND 5
D1	SIDEBAND 5	↔	SIDEBAND 6	D2	SIDEBAND 5	↔	SIDEBAND 6
C1	SIDEBAND 4	↔	SIDEBAND 2	C2	SIDEBAND 4	↔	SIDEBAND 2
C2	SIDEBAND 2	↔	SIDEBAND 4	C1	SIDEBAND 2	↔	SIDEBAND 4
C3	GROUND	---	GROUND	A3	GROUND	---	GROUND
C4	Tx1+	→	Rx1+	A4	Tx1+	→	Rx1+
C5	Tx1-	→	Rx1-	A5	Tx1-	→	Rx1-
C6	GROUND	---	GROUND	A6	GROUND	---	GROUND
C7	Tx3+	→	Rx3+	A7	Tx3+	→	Rx3+
C8	Tx3-	→	Rx3-	A8	Tx3-	→	Rx3-
C9	GROUND	---	GROUND	A9	GROUND	---	GROUND
B9	GROUND	---	GROUND	D9	GROUND	---	GROUND
B8	Rx2-	←	Tx2-	D8	Rx2-	←	Tx2-
B7	Rx2+	←	Tx2+	D7	Rx2+	←	Tx2+
B6	GROUND	---	GROUND	D6	GROUND	---	GROUND
B5	Rx0-	←	Tx0-	D5	Rx0-	←	Tx0-
B4	Rx0+	←	Tx0+	D4	Rx0+	←	Tx0+
B3	GROUND	---	GROUND	D3	GROUND	---	GROUND
B2	SIDEBAND 1	↔	SIDEBAND 3	B1	SIDEBAND 1	↔	SIDEBAND 3
B1	SIDEBAND 3	↔	SIDEBAND 1	B2	SIDEBAND 3	↔	SIDEBAND 1
A1	SIDEBAND 7	↔	SIDEBAND 0	A2	SIDEBAND 7	↔	SIDEBAND 0
A2	SIDEBAND 0	↔	SIDEBAND 7	A1	SIDEBAND 0	↔	SIDEBAND 7
A3	GROUND	---	GROUND	C3	GROUND	---	GROUND
A4	Rx1+	←	Tx1+	C4	Rx1+	←	Tx1+
A5	Rx1-	←	Tx1-	C5	Rx1-	←	Tx1-
A6	GROUND	---	GROUND	C6	GROUND	---	GROUND
A7	Rx3+	←	Tx3+	C7	Rx3+	←	Tx3+
A8	Rx3-	←	Tx3-	C8	Rx3-	←	Tx3-
A9	GROUND	---	GROUND	C9	GROUND	---	GROUND

TABLE 2: WITH SIDEBANDS

P1		P2		P1		P2	
POSITION	SYMBOL	SYMBOL	POSITION	POSITION	SYMBOL	SYMBOL	POSITION
D9	GROUND	---	GROUND	B9	GROUND	---	GROUND
D8	Tx2-	→	Rx2-	B8	Tx2-	→	Rx2-
D7	Tx2+	→	Rx2+	B7	Tx2+	→	Rx2+
D6	GROUND	---	GROUND	B6	GROUND	---	GROUND
D5	Tx0-	→	Rx0-	B5	Tx0-	→	Rx0-
D4	Tx0+	→	Rx0+	B4	Tx0+	→	Rx0+
D3	GROUND	---	GROUND	B3	GROUND	---	GROUND
C3	GROUND	---	GROUND	A3	GROUND	---	GROUND
C4	Tx1+	→	Rx1+	A4	Tx1+	→	Rx1+
C5	Tx1-	→	Rx1-	A5	Tx1-	→	Rx1-
C6	GROUND	---	GROUND	A6	GROUND	---	GROUND
C7	Tx3+	→	Rx3+	A7	Tx3+	→	Rx3+
C8	Tx3-	→	Rx3-	A8	Tx3-	→	Rx3-
C9	GROUND	---	GROUND	A9	GROUND	---	GROUND
B9	GROUND	---	GROUND	D9	GROUND	---	GROUND
B8	Rx2-	←	Tx2-	D8	Rx2-	←	Tx2-
B7	Rx2+	←	Tx2+	D7	Rx2+	←	Tx2+
B6	GROUND	---	GROUND	D6	GROUND	---	GROUND
B5	Rx0-	←	Tx0-	D5	Rx0-	←	Tx0-
B4	Rx0+	←	Tx0+	D4	Rx0+	←	Tx0+
B3	GROUND	---	GROUND	D3	GROUND	---	GROUND
A3	GROUND	---	GROUND	C3	GROUND	---	GROUND
A4	Rx1+	←	Tx1+	C4	Rx1+	←	Tx1+
A5	Rx1-	←	Tx1-	C5	Rx1-	←	Tx1-
A6	GROUND	---	GROUND	C6	GROUND	---	GROUND
A7	Rx3+	←	Tx3+	C7	Rx3+	←	Tx3+
A8	Rx3-	←	Tx3-	C8	Rx3-	←	Tx3-
A9	GROUND	---	GROUND	C9	GROUND	---	GROUND

SYMBOLS
 → ← HIGH SPEED SERIAL DIFFERENTIAL PAIRS
 → ← SIGNAL RETURN
 ↔ POWER AND MANAGEMENT INTERFACE

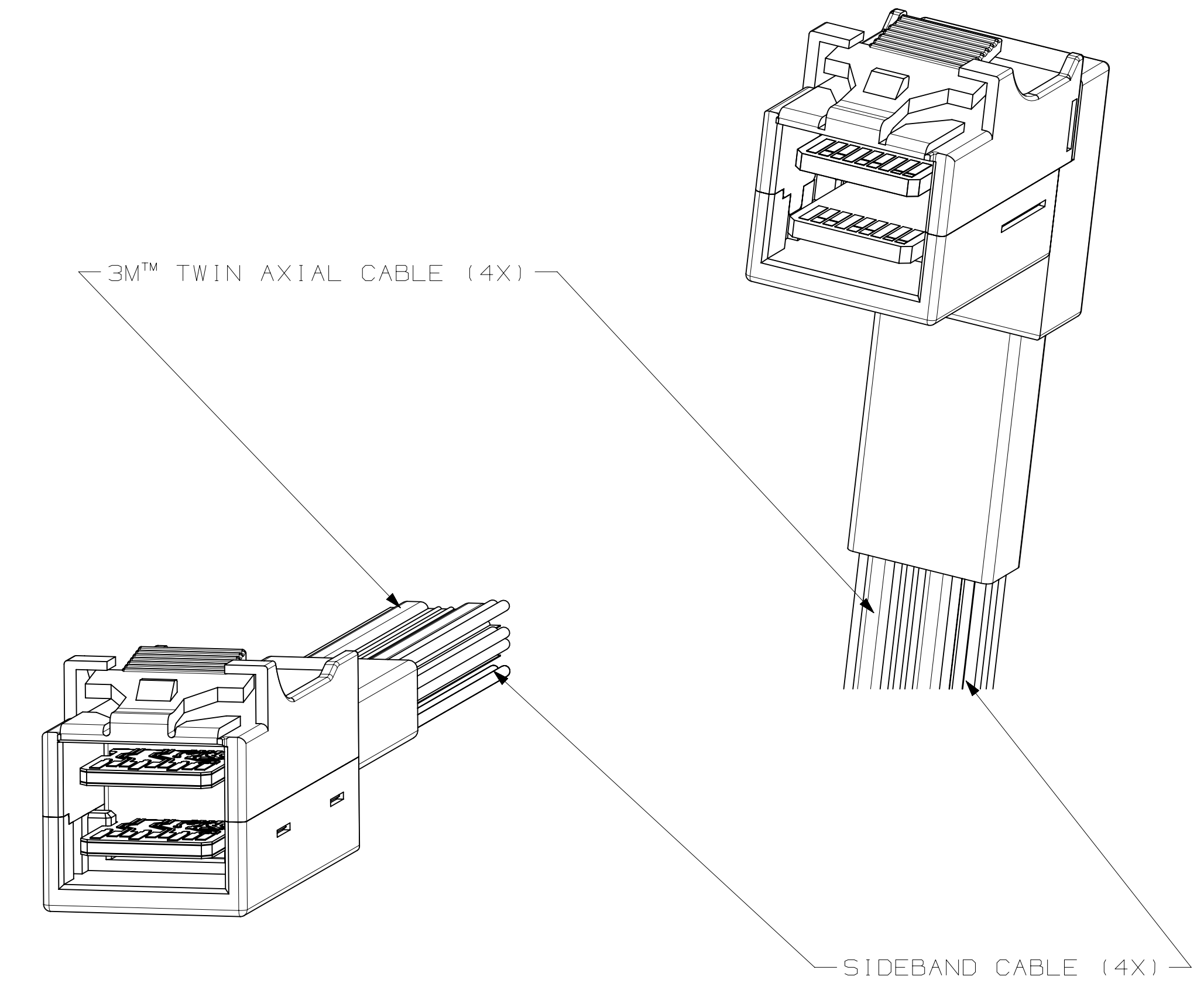
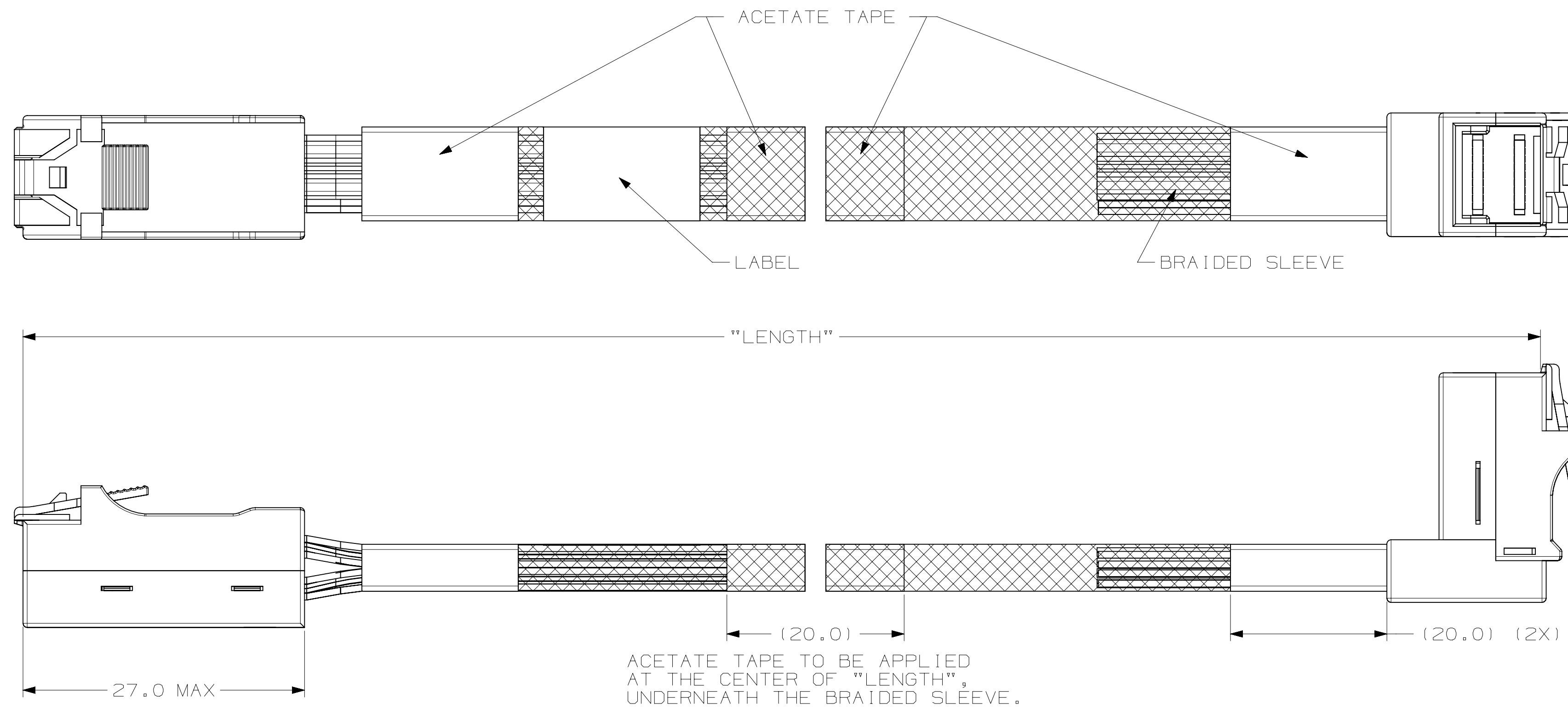
TABLE 3: WITHOUT SIDEBANDS



DESIGN REFERENCE	NEXT ASSEMBLY	REV A 0080617	ISSUE DATE AND DESCRIPTION	OCT 17, 2014	KHL SB
DISTRIBUTION CODES		DRF 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 THIRD ANGLE PROJECTION		SCALE 1/1 TOLERANCES EXCEPT AS NOTED INCHES .01 ± .000 ± .0000 ±	© 3M COPYR [GHT] 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.		
INTERPRET PER ASME Y14.5 - 1994 MAX SURFACE ROUGHNESS 125 ✓ ALL SURFACES X MARKED ONLY		MILLIMETERS 0 ± .1 .01 ± .05 .000 ± .005 ANGLES ± 1°	TITLE INTERNAL MINISAS HD CABLE ASSEMBLY RIGHT-ANGLE CONNECTOR CAGE NUMBER D78-5100-2651-7 MODEL 1S1S SHT 2 OF 4		

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.

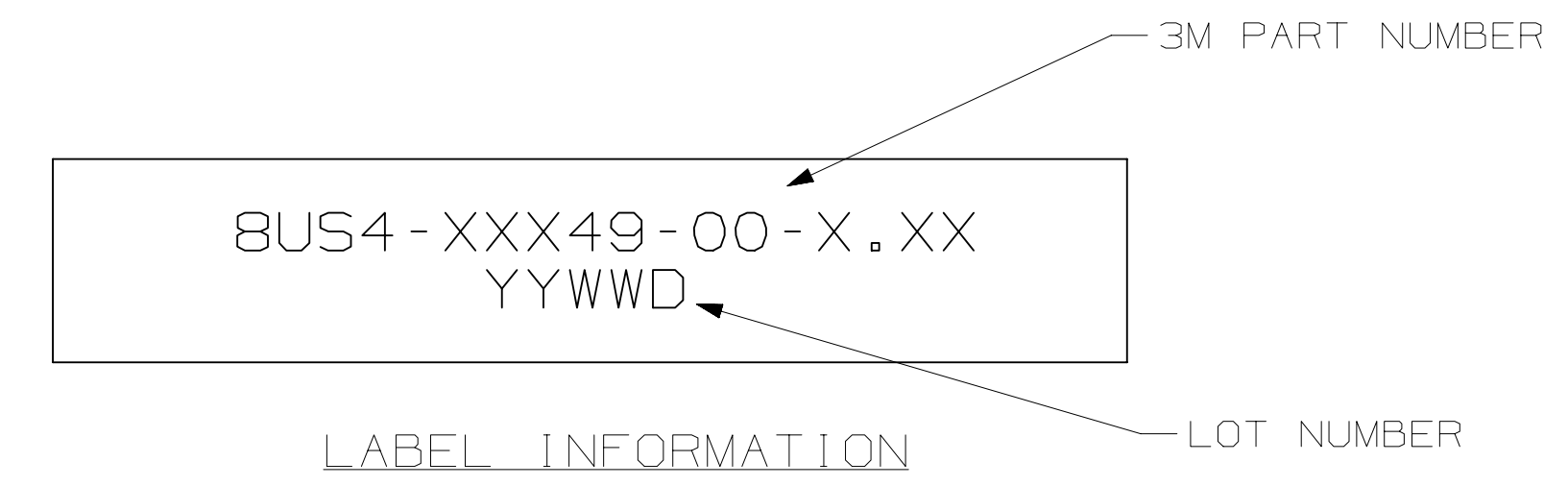
3M PART NUMBERING SCHEME

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



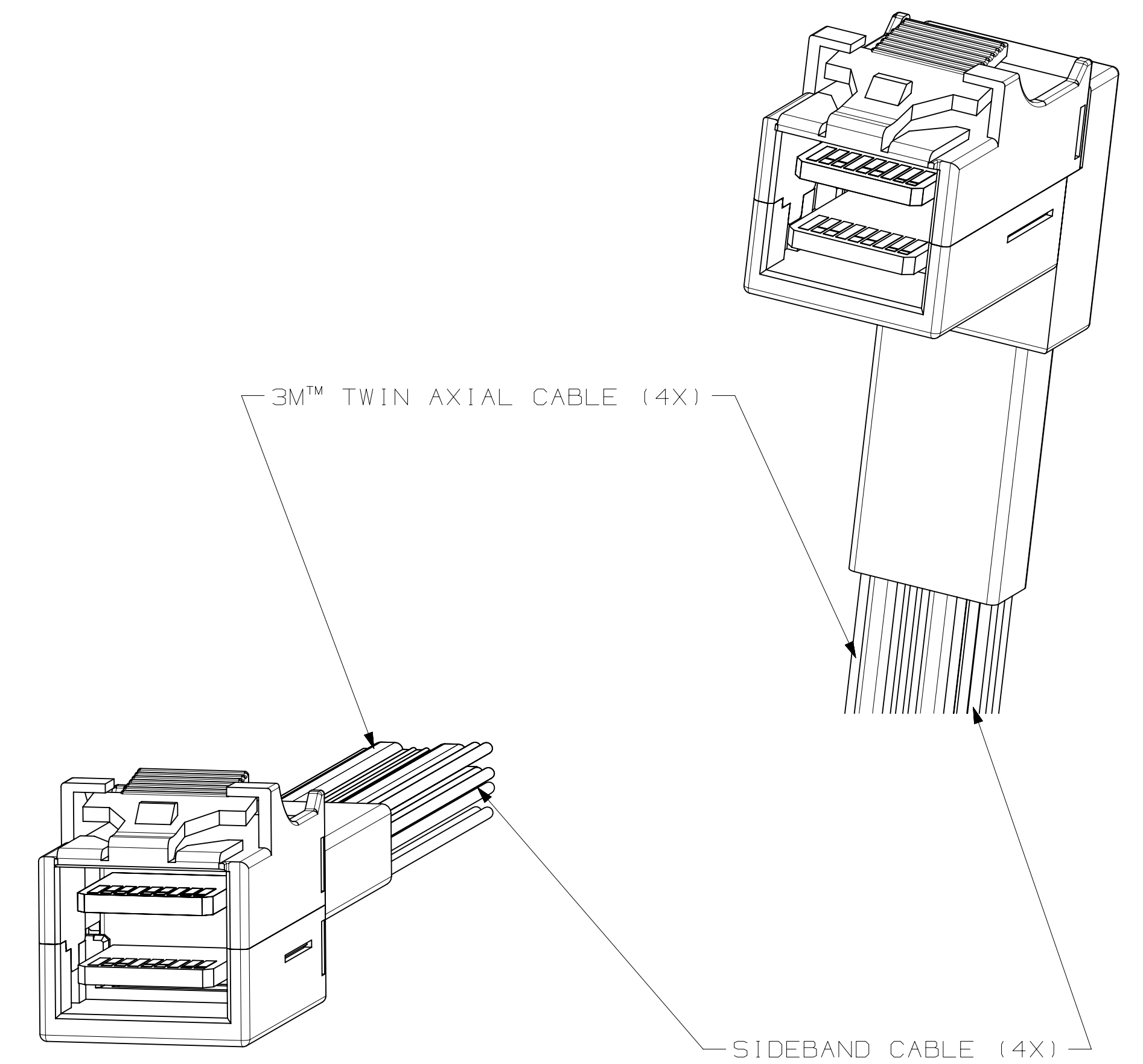
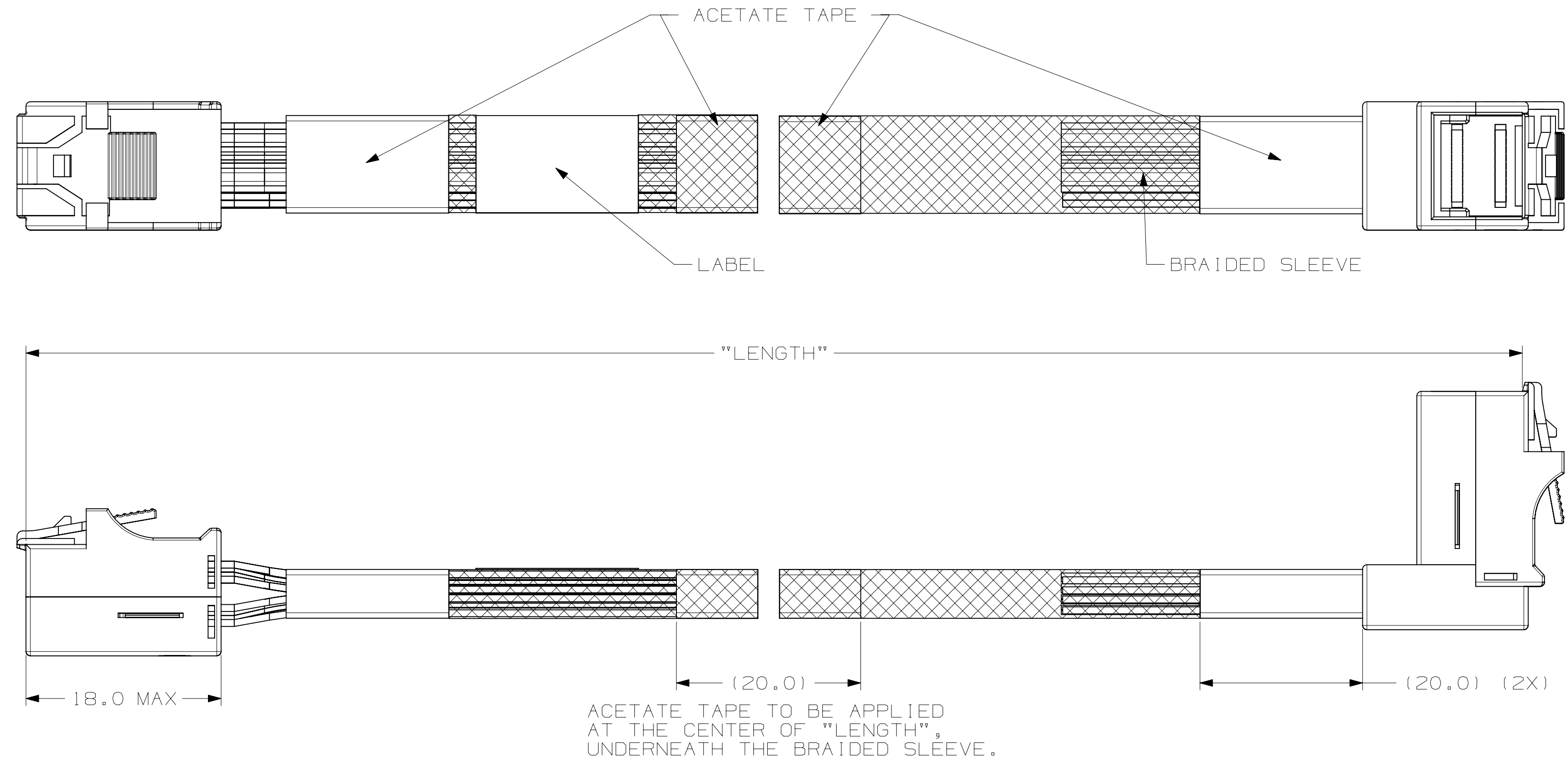
REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
DESIGN REFERENCE	NEXT ASSEMBLY	A 0080617 OCT 17, 2014 KHL SB ECO ISSUE DATE AND DESCRIPTION DRFT CHKD		
DISTRIBUTION CODES		DPKT KOK HOE LEE OCT 17, 2014 MFG DATE CHKD YUNLONG QIAO OCT 17, 2014 APPR SAJJIT BANDHU DATE OCT 17, 2014		
DIVISION	DIVISION CODE	3M Center St. Paul, MN 55144 © 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	TITLE INTERNAL MINISAS HD CABLE ASSEMBLY RIGHT-ANGLE CONNECTOR	
THIRD ANGLE PROJECTION		INCHES .00 ± .000 ± .0000 ±	CAGE NUMBER D 78-5100-2651-7	
INTERPRET PER ASME Y14.5 - 1994		MILLIMETERS 0 ±.1 .0 ±.05 .00 ±.005	REV. A SHT 3 OF 4	
MAX SURFACE ROUGHNESS 125	<input type="checkbox"/> ALL SURFACES <input checked="" type="checkbox"/> MARKED ONLY	ANGLES ±1°		

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

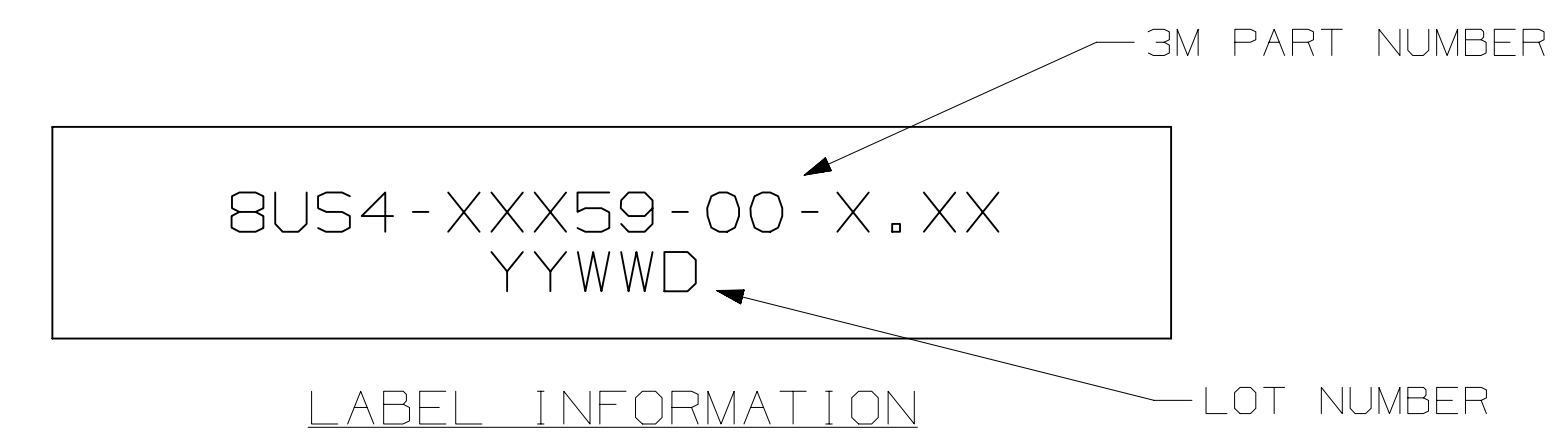
"LENGTH" IN METERS

"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
DRW	KOK HOE LEE	DATE OCT 17, 2014	MFG	DATE
CHKD	YUNLONG QIAO	DATE OCT 17, 2014	APPR	DATE OCT 17, 2014
DIVISION		DISTRIBUTION CODE		
DO NOT SCALE DRAWING		SCALE 1/1		
THIRD ANGLE PROJECTION		TOLERANCES EXCEPT AS NOTED		
INTERPRET PER ASME Y14.5 - 1994		MILLIMETERS 0 ± 1		
MAX SURFACE ROUGHNESS 125		INCHES .00 ± .05		
☐ ALL SURFACES MARKED ONLY		.000 ± .005		
ANGLES ± 1°		TITLE		
MODEL		INTERNAL MINISAS HD CABLE ASSEMBLY RIGHT-ANGLE CONNECTOR		
CAGE NUMBER		DRAWING NO. 78-5100-2651-7		
REV. A		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;
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- 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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