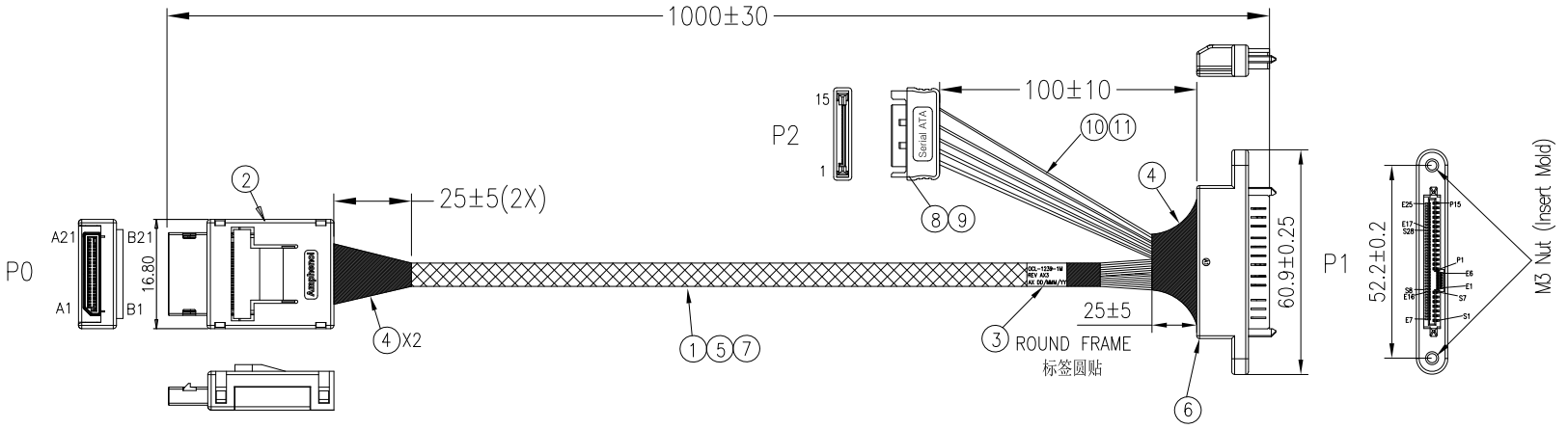
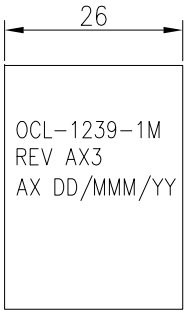
The marking on this product doesn't contain environmental hazardous materials per directive 2011/65/EU for RoHS compliance.

NOTE:
1. THE CABLE ASSEMBLY SHOULD BE RoHS2.0 COMPLIANT.
   该产品通过RoHS2.0认证.
2. ELECTRICAL AND MECHANICAL PERFORMANCE SHOULD MEET THE PCIE GEN4 INDUSTRIAL STANDARD.
   电气特性遵循PCIE GEN4工业标准.
3. THE CABLE ASSEMBLY SHALL MEET BELOW IMPEDANCE REQUIREMENT:
   TERMINATION AREA: 85±15% OHMS, CABLE ABSOLUTE AREA: 85±10% OHMS.
   该产品满足下面阻抗特性：接触区域85±15%欧姆，线材为85±10%欧姆.

REVISIONS					
ECN NO.	REV.	DESCRIPTIONS	CHECKED	APPROVED	DATE
REL.	AX1	INITIAL RELEASE	JUSTIN	KASUN	11/09/2017
	AX2	CHANGE SAS CABLE	JIESS	KASUN	04/03/2018
	AX3	CHANGE WIRING DIAGRAM	JIESS	KASUN	05/16/2018





LABEL DETAIL

ITEM	VENDOR P/N	DESCRIPTION	QTY
11	R10070240X	WIRE,24AWG,UL1007,STRAND ED	A/R
10	R10070180X	WIRE:18AWG,41C,UL1007	A/R
9	RMRPV45101	PVC,45P,V1,BLACK	A/R
8	10115M02	SATA CONN:15P,M,BRS,G/F,LCP,V0,BLK	1
7	H03302300X	WIRE,30AWG,UL3302, 7/0.10,OD0.55,FR-XLPE,VW-1,NO MARKING,HF	A/R
6	AST8639-001	8639 PCIE 68POS CONN,STR,BLACK,Au15u"	1
5	HMTBD05005	EXPANDO TUB:OD=5MM,PET,GREEN,SINGLE(OD5~11MM),HF	A/R
4	HMMTP00012	ACETATE TAPE:W=1INCH,HF	A/R
3	HMLSB57262	LABEL:57*26MM,BLANK	1
2	OCL42-0003	Minilink,42POS,CONNECTOR, STR WITH ACTIVE LATCH	1
1	HWSS320020	SAS CBL:UL20744,32#2C+2C+A+HM,BLU,85Ω,VW-1,HF,24G	A/R

GENERAL TOLERANCES	
.X:	± 0.5
.XX:	± 0.3
.XXX:	
ANGULAR:	± 2'

This drawing is the property of Serial Cables and is delivered on the express condition that it is not to be disclosed, reproduced or used, in whole or in part, for manufacture or sale by anyone other than Serial Cables without its prior consent, and that no right is granted to disclose or use any information in this drawing.

DRAWN:	NATHAN CAO	DATE: 05/16/2018
CHECKED:	JIESS HUANG	DATE: 05/16/2018
APPROVED:	KASUN LI	DATE: 05/16/2018

TITLE:
SC P/N:OCL-1239-1M
OCULINK TO 8639+SATA 15P

DWG. No.: RML42-0835

SCALE: NONE | SHEET 1 OF 2
UNIT: MM | SIZE: A4 | REV.: AX3

The marking on this product doesn't contain environmental hazardous materials per directive 2011/65/EU for RoHS compliance.

REVISIONS					
ECN NO.	REV.	DESCRIPTIONS	CHECKED	APPROVED	DATE
REL.	AX1	INITIAL RELEASE	JUSTIN	KASUN	11/09/2017
	AX2	CHANGE SAS CABLE	JIESS	KASUN	04/03/2018
	AX3	CHANGE WIRING DIAGRAM	JIESS	KASUN	05/16/2018

WIRING DIAGRAM

HIGH SPEED SIGNAL

OCuLink STRAIGHT(HOST)		SFF-8639 REC.(TARGET)	
P0		P1	
PAD	SIGNAL	PAD	SIGNAL
A3	PERp0	E14	PERp0
A4	PERn0	E13	PERn0
A6	PERp1	S21	PERp1
A7	PERn1	S20	PERn1
A15	PERp2	S27	PERp2
A16	PERn2	S26	PERn2
A18	PERp3	E21	PERp3
A19	PERn3	E20	PERn3
B3	PETp0	E10	PETp0
B4	PETn0	E11	PETn0
B6	PETp1	S17	PETp1
B7	PETn1	S18	PETn1
B15	PETp2	S23	PETp2
B16	PETn2	S24	PETn2
B18	PETp3	E17	PETp3
B19	PETn3	E18	PETn3
A2,A5,A8,A11 A14,A17,A20 B2,B5,B8,B11 B14,B17,B20	GND	S1,S4,S7,S8 S11,S14,S16 S19,S22,S25 S28 E9,E12,E15, E19,E22	GND
		P13,P14,P15	+12V
		P12	GND
		P7,P8,P9	+5V
		P5,P6	GND
B9		E23	
B10		E24	
B13		P4	

LOW SPEED SIGNAL & POWER

OCuLink STRAIGHT(HOST)		SFF-8639 REC.(TARGET)	
P0		P1	
PAD	SIGNAL	PAD	SIGNAL
A12	REFCLK+	E7	REFCLK+
A13	REFCLK−	E8	REFCLK−
B12	PERST#	E5	PERST#
A10	CWAKE#	P1	WAKE#
		E3	3.3Vaux

SATA 15P POWER PLUG			
P2			
PIN	SIGNAL	COLOR	AWG
P13,P14,P15	+12V	YELLOW	18AWG
P10,P11P12	GND	BLACK	24AWG
P7,P8,P9	+5V	RED	18AWG
P4,P5,P6	GND	BLACK	18AWG
P1,P2,P3	+3.3V	ORANGE	24AWG

GENERAL TOLERANCES	
.X:	± 0.5
.XX:	± 0.3
.XXX:	
ANGULAR:	± 2°

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DRAWN:	NATHAN CAO	DATE: 05/16/2018
CHECKED:	JIESS HUANG	DATE: 05/16/2018
APPROVED:	KASUN LI	DATE: 05/16/2018

TITLE:
SC P/N:OCL-1239-1M
OCULINK TO 8639+SATA 15P

DWG. No.: RML42-0835

SCALE: NONE | SHEET 2 OF 2
UNIT: MM | SIZE: A4 | REV.: AX3