



1. ALL MATERIALS, COMPONENTS AND PROCESS SHALL COMPLY WITH TEC-138-702.
(CONTAINS NO BANNED OR RESTICTED SUBSTANCES).

2. NO REACH SvHC SHALL BE CONTAINED ABOVE THE THRESHOLD AS DEFINED IN
REACH SvHC COMPLIANCE DEFINITION IN ANNEX A OF TEC-138-702.

3. ASSEMBLY TO BE TESTED FOR CONTINUITY, OPENS, SHORTS, AND SIGNAL INTEGRITY.

4. CABLE BEND RADIUS 5X BUNDLED CABLE OD.

5. SEE SHEET 2 FOR WIRING SCHEMATIC.

6. ELECTRICAL PERFORMANCE MEET THE PCIe Gen4 SPEC.

7

LABEL INFORMATION SHOWN BELOW:

TE LOGO

DATE CODE & SERIAL#

COUNTRY OF ORIGIN

TE P/N

BARCODE (DATECODE/SERIAL#)

XXXXXXXX-X

YYWWSSSS

BARCODE 39 YYWWSSSS

MADE IN

1000±10	2366557-2
500±10	2366557-1
L	TE P/N

8. THE CABLE ASSEMBLY SHALL MEET IMPEDANCE REQUIREMENT:
CONNECTORS: 85±15% ohms
CABLE AREA: 85±10% ohms

1	PC	MINI COOLEEDGE 124P Left Lateral CONNECTOR	3
1	PC	MINI COOLEEDGE 124P Right Lateral CONNECTOR	2
AR	M	SAS CABLE, 30AWG, 85ohm, VW-1	1
QTY	U/M	DESCRIPTION	ITEM

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:

mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC	±0.5
1 PLC	±0.5
2 PLC	±0.13
3 PLC	±0.013
4 PLC	±0.0001
ANGLES	±0.0001
FINISH	-

MATERIAL

TBD

DWN
ADAM CHEN

CHK
-

APVD
DAVID ZHANG

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

-

CUSTOMER DRAWING

NAME
CA, MCIO x16 30AWG
Lateral
85ohm

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A1

00779

2366557

-

TE Connectivity

SCALE 6:1

SHEET 1 OF 2

REV A

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD

P1			WIER TYPE	P2							P1			WIER TYPE	P2		
PIN NO.	PAIR NO.	DESIGNATION		DESIGNATION	PAIR NO.	PIN NO.					PIN NO.	PAIR NO.	DESIGNATION		DESIGNATION	PAIR NO.	PIN NO.
A1		GND		GND		B1					B1		GND		GND		A1
A2	1	PCle TX	DIFF PAIR	PCle TX	1	B2					B2	21	PCle RX	DIFF PAIR	PCle RX	21	A2
A3	1	PCle TX	DIFF PAIR	PCle TX	1	B3					B3	21	PCle RX	DIFF PAIR	PCle RX	21	A3
A4		GND		GND		B4					B4		GND		GND		A4
A5	2	PCle TX	DIFF PAIR	PCle TX	2	B5					B5	22	PCle RX	DIFF PAIR	PCle RX	22	A5
A6	2	PCle TX	DIFF PAIR	PCle TX	2	B6					B6	22	PCle RX	DIFF PAIR	PCle RX	22	A6
A7		GND		GND		B7					B7		GND		GND		A7
A8	3	SIDEBAND	DIFF PAIR	SIDEBAND	3	B8					B8	23	SIDEBAND	DIFF PAIR	SIDEBAND	23	A8
A9	3	SIDEBAND	DIFF PAIR	SIDEBAND	3	B9					B9	23	SIDEBAND	DIFF PAIR	SIDEBAND	23	A9
A10		GND		GND		B10					B10		GND		GND		A10
A11	4	SIDEBAND	DIFF PAIR	SIDEBAND	4	B11					B11	24	SIDEBAND	DIFF PAIR	SIDEBAND	24	A11
A12	4	SIDEBAND	DIFF PAIR	SIDEBAND	4	B12					B12	24	SIDEBAND	DIFF PAIR	SIDEBAND	24	A12
A13		GND		GND		B13					B13		GND		GND		A13
A14	5	PCle TX	DIFF PAIR	PCle TX	5	B14					B14	25	PCle RX	DIFF PAIR	PCle RX	25	A14
A15	5	PCle TX	DIFF PAIR	PCle TX	5	B15					B15	25	PCle RX	DIFF PAIR	PCle RX	25	A15
A16		GND		GND		B16					B16		GND		GND		A16
A17	6	PCle TX	DIFF PAIR	PCle TX	6	B17					B17	26	PCle RX	DIFF PAIR	PCle RX	26	A17
A18	6	PCle TX	DIFF PAIR	PCle TX	6	B18					B18	26	PCle RX	DIFF PAIR	PCle RX	26	A18
A19		GND		GND		B19					B19		GND		GND		A19
A20	7	PCle TX	DIFF PAIR	PCle TX	7	B20					B20	27	PCle RX	DIFF PAIR	PCle RX	27	A20
A21	7	PCle TX	DIFF PAIR	PCle TX	7	B21					B21	27	PCle RX	DIFF PAIR	PCle RX	27	A21
A22		GND		GND		B22					B22		GND		GND		A22
A23	8	PCle TX	DIFF PAIR	PCle TX	8	B23					B23	28	PCle RX	DIFF PAIR	PCle RX	28	A23
A24	8	PCle TX	DIFF PAIR	PCle TX	8	B24					B24	28	PCle RX	DIFF PAIR	PCle RX	28	A24
A25		GND		GND		B25					B25		GND		GND		A25
A26	9	SIDEBAND	DIFF PAIR	SIDEBAND	9	B26					B26	29	SIDEBAND	DIFF PAIR	SIDEBAND	29	A26
A27	9	SIDEBAND	DIFF PAIR	SIDEBAND	9	B27					B27	29	SIDEBAND	DIFF PAIR	SIDEBAND	29	A27
A28		GND		GND		B28					B28		GND		GND		A28
A29	10	SIDEBAND	DIFF PAIR	SIDEBAND	10	B29					B29	30	SIDEBAND	DIFF PAIR	SIDEBAND	30	A29
A30	10	SIDEBAND	DIFF PAIR	SIDEBAND	10	B30					B30	30	SIDEBAND	DIFF PAIR	SIDEBAND	30	A30
A31		GND		GND		B31					B31		GND		GND		A31
A32	11	PCle TX	DIFF PAIR	PCle TX	11	B32					B32	31	PCle RX	DIFF PAIR	PCle RX	31	A32
A33	11	PCle TX	DIFF PAIR	PCle TX	11	B33					B33	31	PCle RX	DIFF PAIR	PCle RX	31	A33
A34		GND		GND		B34					B34		GND		GND		A34
A35	12	PCle TX	DIFF PAIR	PCle TX	12	B35					B35	32	PCle RX	DIFF PAIR	PCle RX	32	A35
A36	12	PCle TX	DIFF PAIR	PCle TX	12	B36					B36	32	PCle RX	DIFF PAIR	PCle RX	32	A36
A37		GND		GND		B37					B37		GND		GND		A37
		KEY		KEY									KEY		KEY		
A38		GND		GND		B38					B38		GND		GND		A38
A39	13	PCle TX	DIFF PAIR	PCle TX	13	B39					B39	33	PCle RX	DIFF PAIR	PCle RX	33	A39
A40	13	PCle TX	DIFF PAIR	PCle TX	13	B40					B40	33	PCle RX	DIFF PAIR	PCle RX	33	A40
A41		GND		GND		B41					B41		GND		GND		A41
A42	14	PCle TX	DIFF PAIR	PCle TX	14	B42					B42	34	PCle RX	DIFF PAIR	PCle RX	34	A42
A43	14	PCle TX	DIFF PAIR	PCle TX	14	B43					B43	34	PCle RX	DIFF PAIR	PCle RX	34	A43
A44		GND		GND		B44					B44		GND		GND		A44
A45	15	PCle TX	DIFF PAIR	PCle TX	15	B45					B45	35	PCle RX	DIFF PAIR	PCle RX	35	A45
A46	15	PCle TX	DIFF PAIR	PCle TX	15	B46					B46	35	PCle RX	DIFF PAIR	PCle RX	35	A46
A47		GND		GND		B47					B47		GND		GND		A47
A48	16	PCle TX	DIFF PAIR	PCle TX	16	B48					B48	36	PCle RX	DIFF PAIR	PCle RX	36	A48
A49	16	PCle TX	DIFF PAIR	PCle TX	16	B49					B49	36	PCle RX	DIFF PAIR	PCle RX	36	A49
A50		GND		GND		B50					B50		GND		GND		A50
A51	17	PCle TX	DIFF PAIR	PCle TX	17	B51					B51	37	PCle RX	DIFF PAIR	PCle RX	37	A51
A52	17	PCle TX	DIFF PAIR	PCle TX	17	B52					B52	37	PCle RX	DIFF PAIR	PCle RX	37	A52
A53		GND		GND		B53					B53		GND		GND		A53
A54	18	PCle TX	DIFF PAIR	PCle TX	18	B54					B54	38	PCle RX	DIFF PAIR	PCle RX	38	A54
A55	18	PCle TX	DIFF PAIR	PCle TX	18	B55					B55	38	PCle RX	DIFF PAIR	PCle RX	38	A55
A56		GND		GND		B56					B56		GND		GND		A56
A57	19	PCle TX	DIFF PAIR	PCle TX	19	B57					B57	39	PCle RX	DIFF PAIR	PCle RX	39	A57
A58	19	PCle TX	DIFF PAIR	PCle TX	19	B58					B58	39	PCle RX	DIFF PAIR	PCle RX	39	A58
A59		GND		GND		B59					B59		GND		GND		A59
A60	20	PCle TX	DIFF PAIR	PCle TX	20	B60					B60	40	PCle RX	DIFF PAIR	PCle RX	40	A60
A61	20	PCle TX	DIFF PAIR	PCle TX	20	B61					B61	40	PCle RX	DIFF PAIR	PCle RX	40	A61
A62		GND		GND		B62					B62		GND		GND		A62

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:

mm

MATERIAL

TBD

-

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC

1 PLC

2 PLC

3 PLC

4 PLC

ANGLES

FINISH

±0.5

±0.13

±0.013

±0.0001

±0

-

DWN

ADAM CHEN

24OCT2019

CHK

-

-

APVD

DAVID ZHANG

24OCT2019

PRODUCT SPEC

-

APPLICATION SPEC

-

WEIGHT

-

CUSTOMER DRAWING

TE Connectivity

NAME

CA, MCIO x16 30AWG Lateral 85ohm

SIZE

A1

CAGE CODE

00779

DRAWING NO

2366557

RESTRICTED TO

-

SCALE

6:1

SHEET

2

OF

2

REV

A