

TABLE 1	
AHSP P/N	TOTAL LENGTH (mm)
NERREV-0022	250 ±10
NERREV-0006	500 ±10
NERREV-0021	750 ±10
NERREV-0001	1000 ±20
NERREV-0012	1250 ±25 ⁸
NERREV-0007	1500 ±30 ⁸
NERREV-0013	1750 ±40 ⁸
NERREV-0002	2000 ±40 ⁸

REVISIONS						
ZONE	REV.	ECN NUMBER	DESCRIPTION	BY	DATE	APPROVED
	5.0	JCHN-23041401	ADDED NEW P/N -0022 & -0012 & -0007 & -0013 TO TABLE 1. REMOVED -0020 & -0008 FROM TABLE 1. UPDATED THE WIRING SCHEMATIC IN SHEET 3. ADDED NOTE#9&10&11. MSA LATCH DESIGN CHANGE TO SFF LATCH DESIGN.	N.ZENG	05/22/2023	M.HANRAHAN
	A	JCHN-23070502	UPDATED NOTE 3. DELETED NOTE 7. REMOVED SHEET 2.	N.ZENG	07/05/2023	M.HANRAHAN
	B	JCHN-23090801	UPDATED THE NOTE IN SHEET 2.	N.ZENG	09/19/2023	M.HANRAHAN

NOTE: ONLY THREE MOST RECENT RELEASED REVISIONS DISPLAYED.

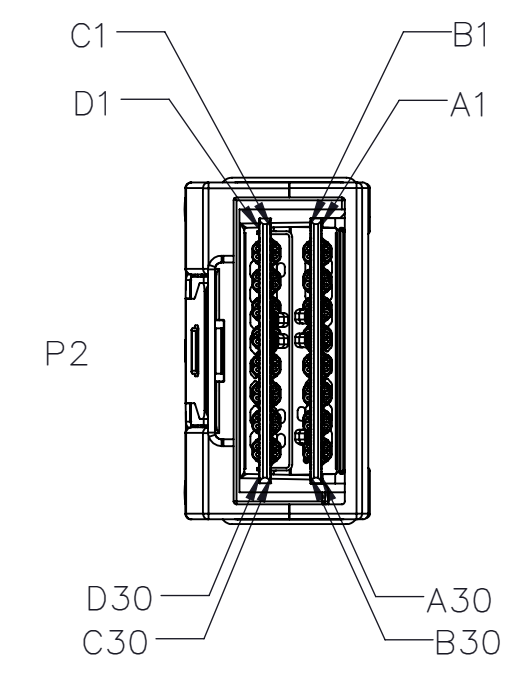
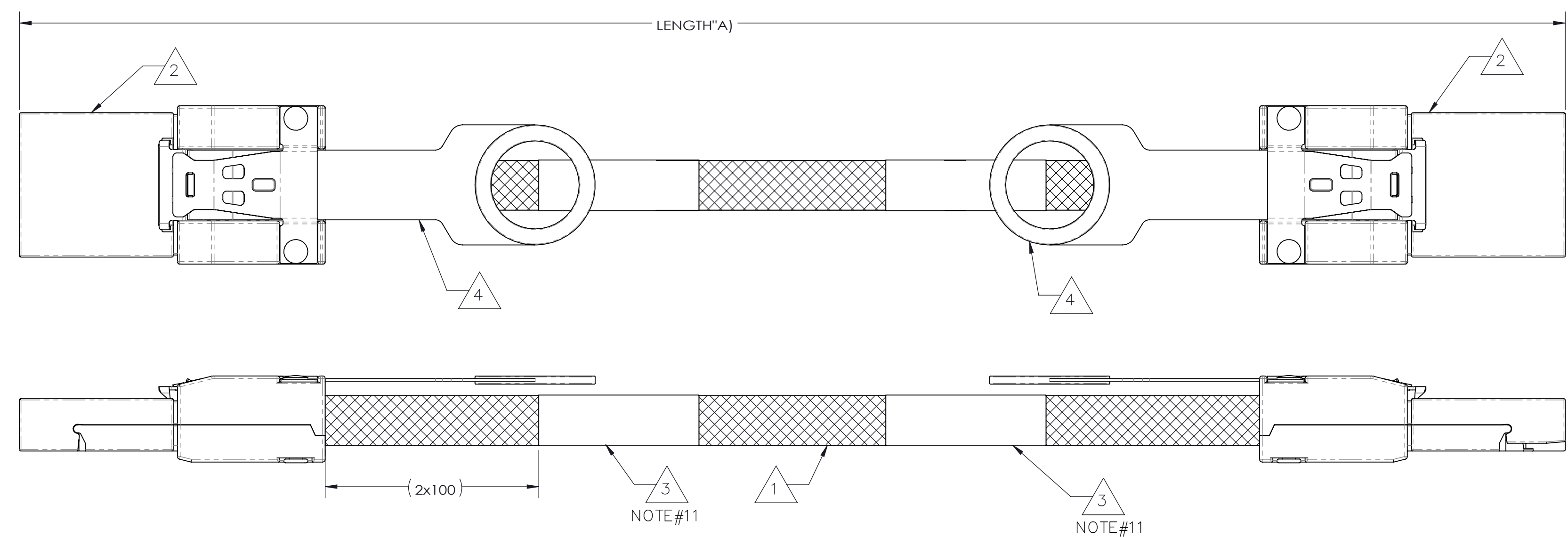
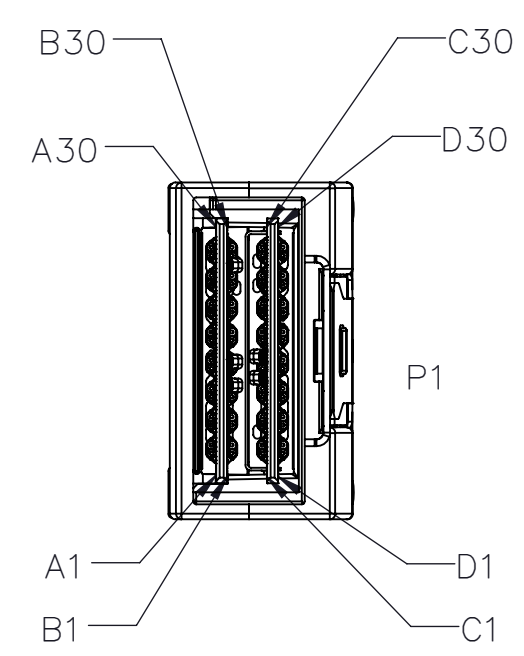
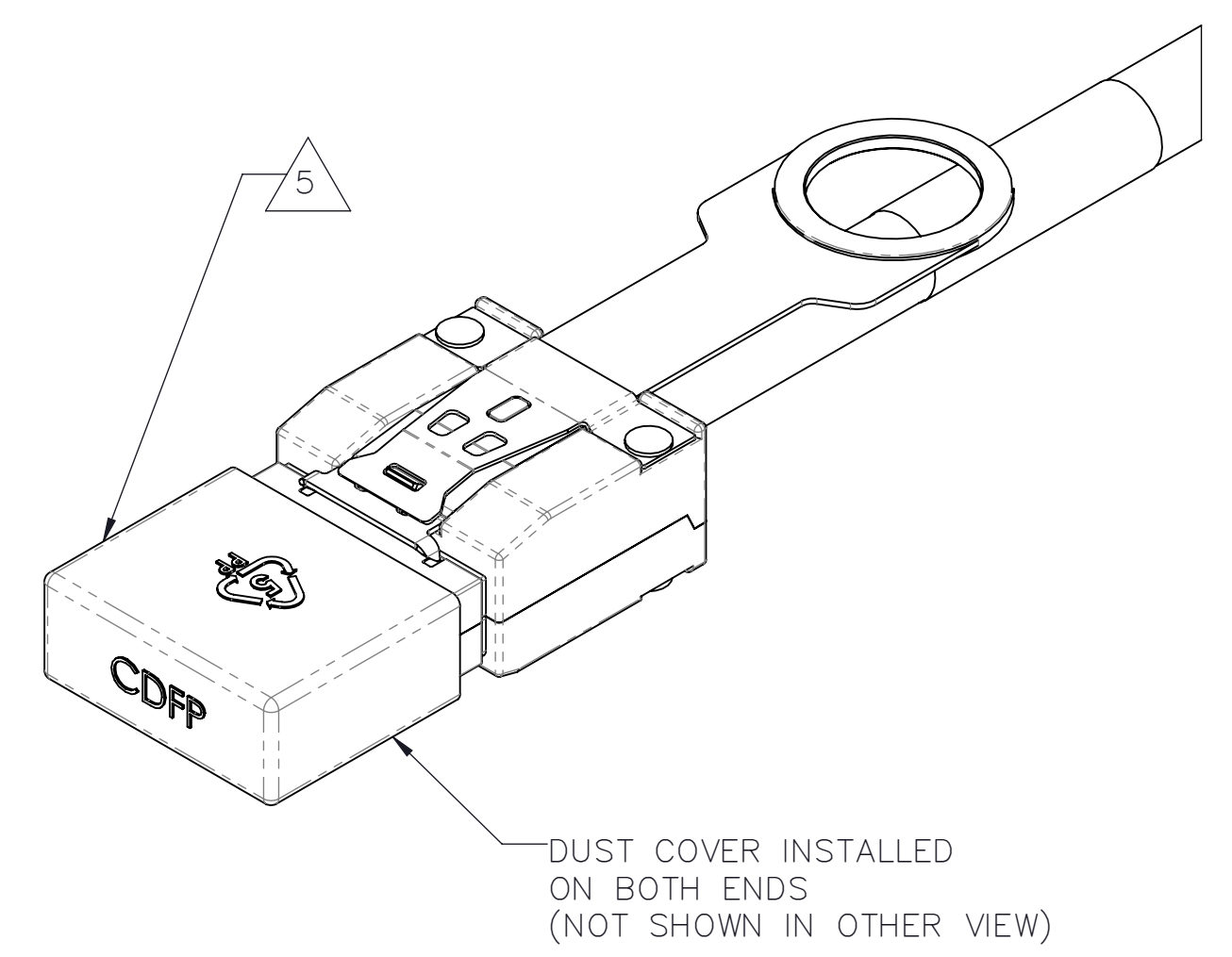
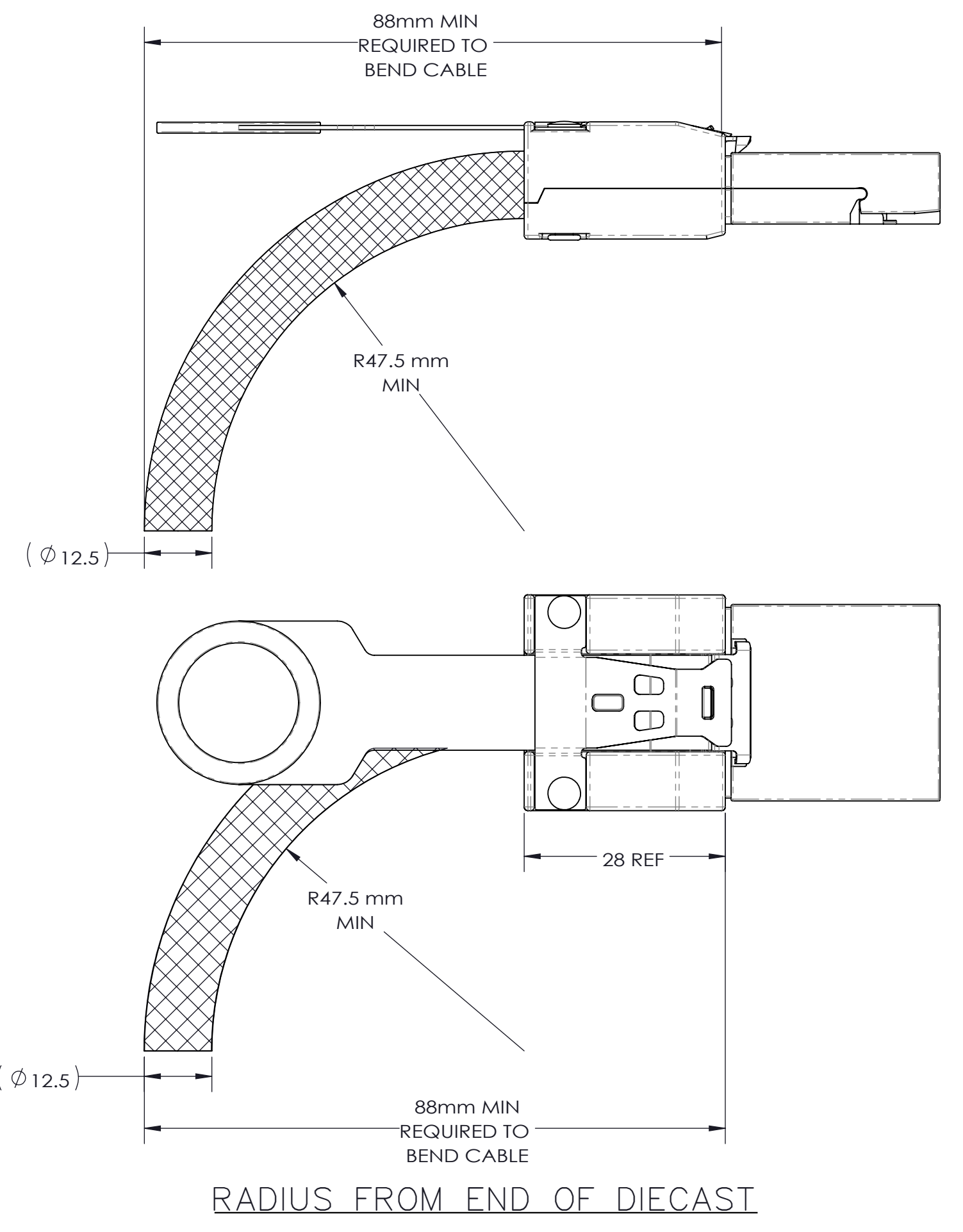


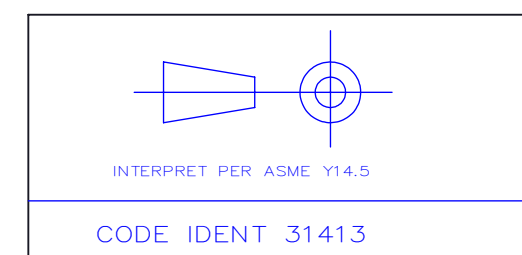
TABLE 2	
ITEM No.	DESCRIPTION
¹	28 AWG, 32 PR (Ø 12.50). ROHS COMPLIANT, RU AWM STYLE 21940 80°C WITH PET OVERSLEEVE VW-1
²	PLUG, CDFP MSA FOR 400 Gb/s (16 X 25 GB/s) PLUGGABLE TRANSCEIVER REV 3.0
³	LABEL, WRAPPED - AMPHENOL P/N, REV. DATE CODE, LENGTH, CoO, SERIAL NUMBER AND LEG INDICATOR
⁴	LANYARD - PANTONE BLACK, UL94V-0
⁵	DUST COVER, COLOR BLUE,PANTONE 2935C

- 11. ASSEMBLY TO BE COMPLIANT TO SFF-TA-1032.
- 10. ASSEMBLIES LESS THAN ONE METER REQUIRE ONLY ONE LABEL PLACED ON P1 END.
- 9. REFER TO PCI-Sig:NCB_PCIExpress_Rev5p0-6p0_External_Cable_Spec_Ver0p7_Final-April27-2023
- ⁸ .CABLE LENGTHS ABOVE 1 METER MAY NOT MEET PCIe 5 SPECIFICATION.
- 7. DELETED
- 6. UL LABEL MUST BE ON THE SHIPPING CARTON PER SUBJECT 764 OF THE UL COMPONENT WIRING HARNESS (ZPFW2) FILE #E86140. CSA LABEL MUST BE ON SHIPPING CARTON.
- 5. PULL TAB SHOWN FOR REFERENCE ONLY, ACTUAL GEOMETRY MAY VARY. PULL TAB MATERIAL IS FLEXIBLE.
- 4. PACKAGE COMPLETED ASSY IN AN APPROPRIATELY SIZED ESD BAG.
- 3. CABLE ASSEMBLIES MUST MEET SHIELDING EFFECTIVENESS REQUIREMENTS OF 20dB FROM 1-40GHz.
- 2. COMPLIANT TO EU DIRECTIVE 2011/65/EU - RoHS2.
- 1. THIS DRAWING IS RESERVED FOR AMPHENOL STANDARD PRODUCT.

NOTES: UNLESS OTHERWISE SPECIFIED



ISOMETRIC VIEW



TOLERANCES	DWN 08/18/2022	Amphenol AHSP A Division of Amphenol Corporation 200 Innovative Way, Suite 201, Nashua, N.H. 03062 (603) 879-3000
0.0 ± 0.25	CHK 08/18/2022	
0.00 ± 0.08	J.CHEN	
±	APVD 08/18/2022	
ANGLES ± 1.0°	M. HANRAHAN	TITLE CDFP STYLE 1, PCIe 5.0 85 OHM, 28 AWG
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN mm		
PART NO.	SEE TABLE 1	REV N/A
DRAWING NO.	C-NERREV-0099	REV B
SIZE D	SCALE 1:5	SHEET 1 of 2

REVISIONS						
ZONE	REV	ECN	DESCRIPTION	BY	DATE	APPROVED
-	-	-	See Sheet1	-	-	-

CDFP TO CDFP(16x) PCIe 5.0/6.0 AMPHENOL STANDARD with Extended Sidebands RC to NRC

P1-RC
A/B PADDLE CARD

GND	A1
Tx12_P	A2
Tx12_N	A3
GND	A4
Tx13_P	A5
Tx13_N	A6
GND	A7
Tx14_P	A8
Tx14_N	A9
GND	A10
Tx15_P	A11
Tx15_N	A12
GND	A13
FLEXIO1_RC	A14
FLEXIO2_RC	A15
GND	A16
Tx0_P	A17
Tx0_N	A18
GND	A19
Tx1_P	A20
Tx1_N	A21
GND	A22
Tx2_P	A23
Tx2_N	A24
GND	A25
Tx3_P	A26
Tx3_N	A27
GND	A28
2WCL	A29
2WDA	A30

P2-NRC
C/D PADDLE CARD

C1	GND
C2	Rx12_P
C3	Rx12_N
GND	C4
C5	Rx13_P
C6	Rx13_N
C7	GND
C8	Rx14_P
C9	Rx14_N
C10	GND
C11	Rx15_P
C12	Rx15_N
C13	GND
C14	FLEXIO1_NRC
C15	FLEXIO2_NRC
C16	GND
C17	Rx0_P
C18	Rx0_N
C19	GND
C20	Rx1_P
C21	Rx1_N
C22	GND
C23	Rx2_P
C24	Rx2_N
C25	GND
C26	Rx3_P
C27	Rx3_N
C28	GND
C29	VCC3p3V
C30	PERST#

GND	B1
Tx11_P	B2
Tx11_N	B3
GND	B4
Tx10_P	B5
Tx10_N	B6
GND	B7
Tx9_P	B8
Tx9_N	B9
GND	B10
Tx8_P	B11
Tx8_N	B12
GND	B13
FLEXIO3_RC	B14
FLEXIO4_RC	B15
GND	B16
Tx7_P	B17
Tx7_N	B18
GND	B19
Tx6_P	B20
Tx6_N	B21
GND	B22
Tx5_P	B23
Tx5_N	B24
GND	B25
Tx4_P	B26
Tx4_N	B27
GND	B28
VCC12V	B29
PR/PE	B30

D1	GND
D2	Rx11_P
D3	Rx11_N
GND	D4
D5	Rx10_P
D6	Rx10_N
GND	D7
D8	Rx9_P
D9	Rx9_N
GND	D10
D11	Rx8_P
D12	Rx8_N
D13	GND
D14	FLEXIO3_NRC
D15	FLEXIO4_NRC
D16	GND
D17	Rx7_P
D18	Rx7_N
D19	GND
D20	Rx6_P
D21	Rx6_N
D22	GND
D23	Rx5_P
D24	Rx5_N
D25	GND
D26	Rx4_P
D27	Rx4_N
D28	GND
D29	SCL
D30	SDA

C/D PADDLE CARD

GND	C1
Rx12_P	C2
Rx12_N	C3
GND	C4
Rx13_P	C5
Rx13_N	C6
GND	C7
Rx14_P	C8
Rx14_N	C9
GND	C10
Rx15_P	C11
Rx15_N	C12
GND	C13
FLEXIO5_RC	C14
FLEXIO6_RC	C15
GND	C16
Rx0_P	C17
Rx0_N	C18
GND	C19
Rx1_P	C20
Rx1_N	C21
GND	C22
Rx2_P	C23
Rx2_N	C24
GND	C25
Rx3_P	C26
Rx3_N	C27
GND	C28
VCC3p3V	C29
PERST#	C30

A/B PADDLE CARD

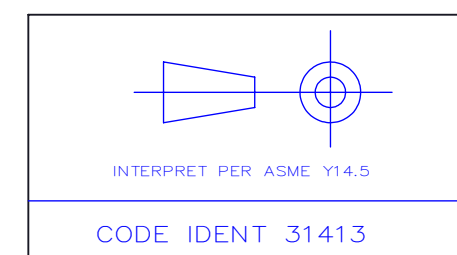
A1	GND
A2	Tx12_P
A3	Tx12_N
GND	A4
A5	Tx13_P
A6	Tx13_N
GND	A7
A8	Tx14_P
A9	Tx14_N
GND	A10
A11	Tx15_P
A12	Tx15_N
GND	A13
A14	FLEXIO5_NRC
A15	FLEXIO6_NRC
A16	GND
A17	Tx0_P
A18	Tx0_N
A19	GND
A20	Tx1_P
A21	Tx1_N
A22	GND
A23	Tx2_P
A24	Tx2_N
A25	GND
A26	Tx3_P
A27	Tx3_N
A28	GND
A29	2WCL
A30	2WDA

GND	D1
Rx11_P	D2
Rx11_N	D3
GND	D4
Rx10_P	D5
Rx10_N	D6
GND	D7
Rx9_P	D8
Rx9_N	D9
GND	D10
Rx8_P	D11
Rx8_N	D12
GND	D13
FLEXIO7_RC	D14
FLEXIO8_RC	D15
GND	D16
Rx7_P	D17
Rx7_N	D18
GND	D19
Rx6_P	D20
Rx6_N	D21
GND	D22
Rx5_P	D23
Rx5_N	D24
GND	D25
Rx4_P	D26
Rx4_N	D27
GND	D28
SCL	D29
SDA	D30

B1	GND
B2	Tx11_P
B3	Tx11_N
GND	B4
B5	Tx10_P
B6	Tx10_N
GND	B7
B8	Tx9_P
B9	Tx9_N
GND	B10
B11	Tx8_P
B12	Tx8_N
B13	GND
B14	FLEXIO7_NRC
B15	FLEXIO8_NRC
B16	GND
B17	Tx7_P
B18	Tx7_N
B19	GND
B20	Tx6_P
B21	Tx6_N
B22	GND
B23	Tx5_P
B24	Tx5_N
B25	GND
B26	Tx4_P
B27	Tx4_N
B28	GND
B29	VCC12V
B30	PR/PE



NOTE:
The schematic follows
CoppLink External Cable Specification for PCI Express 5.0 and 6.0 Version 0.9
September 14th 2023



CODE IDENT 31413

TOLERANCES	DWN 08/18/2022	<p>Amphenol AHSP A Division of Amphenol Corporation 200 Innovative Way, Suite 201, Nashua, N.H. 03062 (603) 879-3000</p>
0.0 ± 0.25	D.DAI	
0.00 ± 0.08	CHK 08/18/2022	
±	J.CHEN	
APVD 08/18/2022	M. HANRAHAN	TITLE
ANGLES ± 1.0°		CDFP STYLE 1, PCIe 5.0 85 OHM, 28 AWG
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN mm		
PART NO.	SEE TABLE 1	REV N/A
DRAWING NO.	C-NERREV-0099	REV B
SIZE D	SCALE 1:5	SHEET 2 of 2