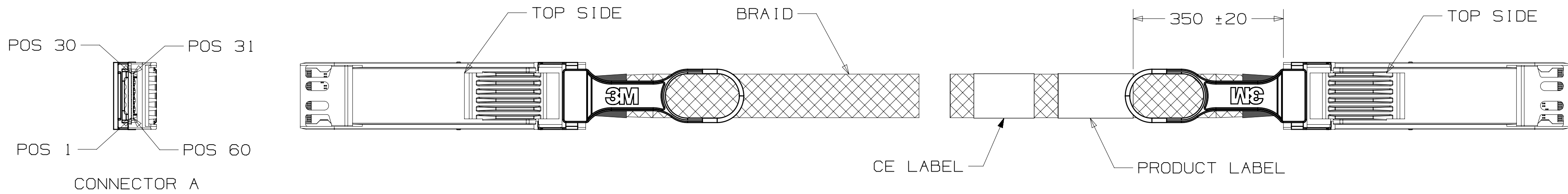
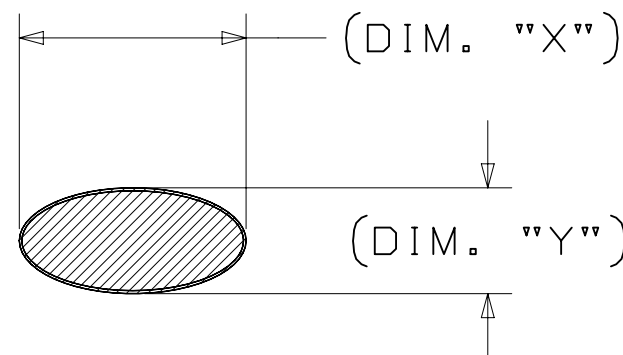
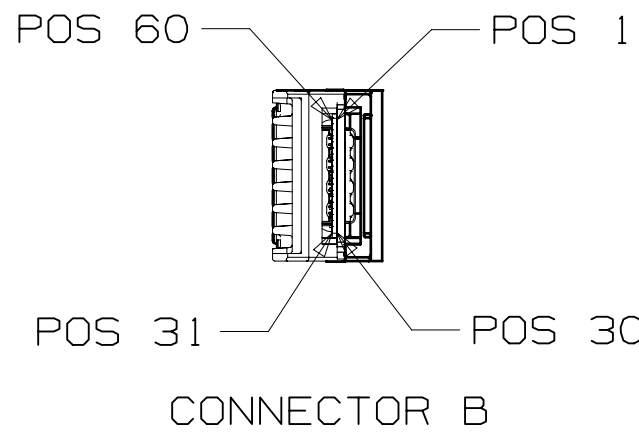
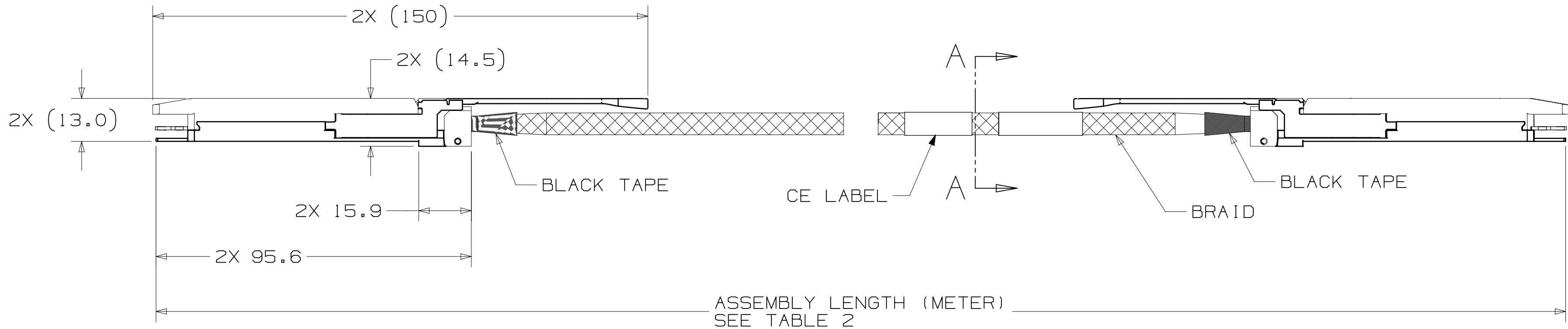


3M™ 800G OSFP DIRECT ATTACH COPPER CABLE ASSEMBLY, 9Y8 SERIES



30 AWG BRAIDED CABLE BUNDLE SHOWN

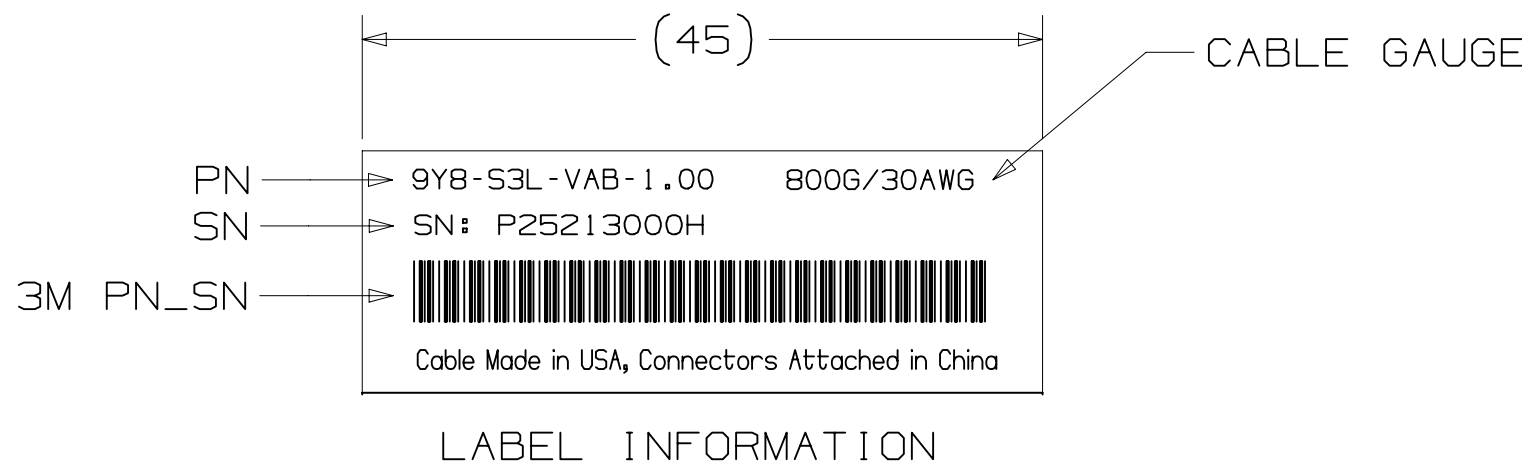


SECTION A - A
SCALE 2x

SEE TABLE 1
FOR EFFECTIVE
BUNDLE DIAMETERS

TABLE 1 CABLE BUNDLE DIMENSIONS		
	DIM. "X"	DIM. "Y"
30 AWG	14.7	6.6
28 AWG	16.6	8.4
26 AWG	19.5	11.5

BAR CODE FORMAT: PN_SN



LABEL INFORMATION

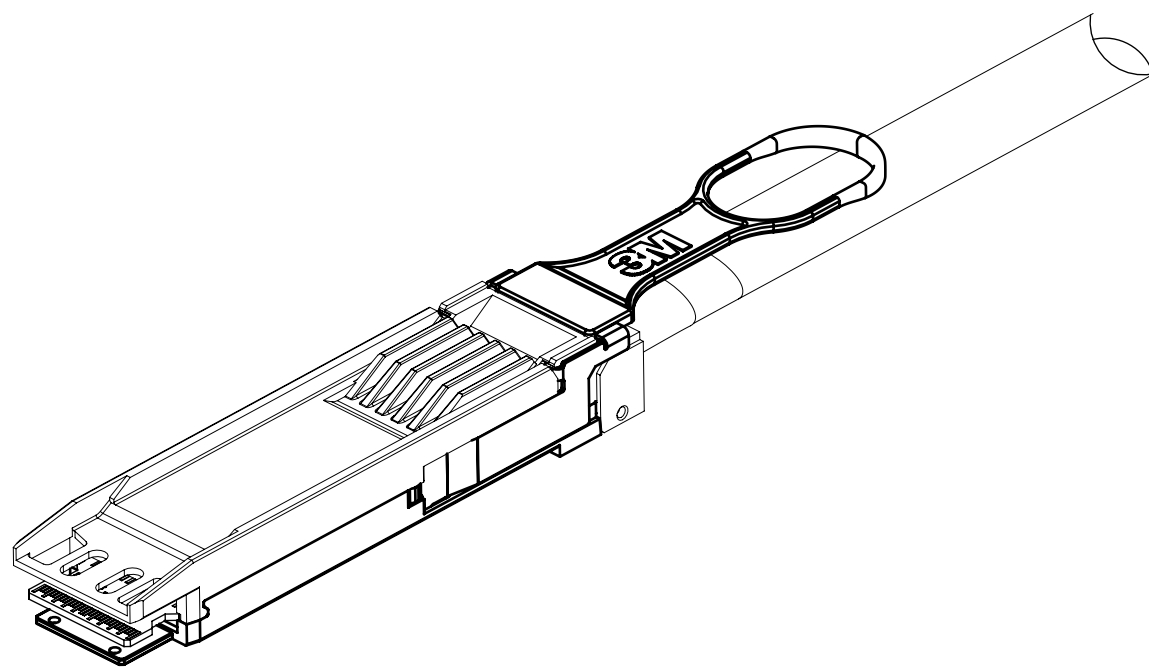


CE WEEE LABEL

HIGH SPEED WIRING LIST CONNECTED END TO END			
P1 END		P2 END	
POS	SIGNAL	POS	SIGNAL
1	GND	31	GND
2	TX2p	32	RX2p
3	TX2n	33	RX2n
4	GND	34	GND
5	TX4p	35	RX4p
6	TX4n	36	RX4n
7	GND	37	GND
8	TX6p	38	RX6p
9	TX6n	39	RX6n
10	GND	40	GND
11	TX8p	41	RX8p
12	TX8n	42	RX8n
13	GND	43	GND
18	GND	48	GND
19	RX7n	49	TX7n
20	RX7p	50	TX7p
21	GND	51	GND
22	RX5n	52	TX5n
23	RX5p	53	TX5p
24	GND	54	GND
25	RX3n	55	TX3n
26	RX3p	56	TX3p
27	GND	57	GND
28	RX1n	58	TX1n
29	RX1p	59	TX1p
30	GND	60	GND

HIGH SPEED WIRING LIST CONNECTED END TO END			
P1 END		P2 END	
POS	SIGNAL	POS	SIGNAL
31	GND	1	GND
32	RX2p	2	TX2p
33	RX2n	3	TX2n
34	GND	4	GND
35	RX4p	5	TX4p
36	RX4n	6	TX4n
37	GND	7	GND
38	RX6p	8	TX6p
39	RX6n	9	TX6n
40	GND	10	GND
41	RX8p	11	TX8p
42	RX8n	12	TX8n
43	GND	13	GND
48	GND	18	GND
49	TX7n	19	RX7n
50	TX7p	20	RX7p
51	GND	21	GND
52	TX5n	22	RX5n
53	TX5p	23	RX5p
54	GND	24	GND
55	TX3n	25	RX3n
56	TX3p	26	RX3p
57	GND	27	GND
58	TX1n	28	RX1n
59	TX1p	29	RX1p
60	GND	30	GND

LOW SPEED SIGNALS NOT CONNECTED END TO END P1 & P2 ENDS	
POS	SIGNAL
14	SCL
15	VCC
16	VCC
17	LPWn/PRSn
44	INT/RSTn
45	VCC
46	VCC
47	SDA



3M ELECTRONICS MATERIALS SOLUTIONS DIVISION
INTERCONNECT SOLUTIONS
<http://www.3M.com/interconnect>

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INFORMATION CALL 800-225-5373

DESIGN REFERENCE		NEXT ASSEMBLY		A 0119691		MAY 07, 2025		BJW DLD	
REV		ECO		ISSUE DATE AND DESCRIPTION		DRFT		CHKD	
B WILLIAMS		NOV 05, 2024		MFG		DATE			
D DOYE		NOV 05, 2024		MFG		DATE		NOV 05, 2024	
DIVISION		DIVISION CODE		EMSD					
DO NOT SCALE DRAWING		SCALE		1/1		TOLERANCES EXCEPT AS NOTED			
THIRD ANGLE PROJECTION		INCHES		.00 ± .000 ± .0000 ±		MILLIMETERS		0 ± .1	
INTERPRET PER ASME Y14.5 - 2018		SURFACES		.00 ± .010 ± .000 ± .0005		MARKED ONLY			
MAX SURFACE ROUGHNESS		SURFACES		.00 ± .010 ± .000 ± .0005		MARKED ONLY			
TITLE		800G OSFP DIRECT ATTACH COPPER CABLE ASSEMBLY 9Y8 SERIES							
CAGE NUMBER		D 78-5100-2806-7		DRAWING NO.		REV.		A	
MODEL		9Y		LISTS		YES		NO	
								SHT 1 OF 2	

8

7

6

5

4

3

2

1

3M™ 800G OSFP DIRECT ATTACH COPPER CABLE ASSEMBLY, 9Y8 SERIES

TABLE 2

ORDERING INFORMATION GIGABIT ETHERNET	HEAT SINK TYPE (label end)	HEAT SINK TYPE (other end)	CABLE GAUGE	ASSEMBLY LENGTH (m)	TOLERANCE +/- (mm)	CABLE BUNDLE SIZE (INCHES) EFFECTIVE DIAMETER MEASURED WITH OD TAPE
9Y8-S3L-VAB-0.75	IHS	IHS	30AWG	0.75	15	0.45" +/- 0.02" OVAL BUNDLE
9Y8-S3L-VAB-1.00	IHS	IHS		1.00		
9Y8-S3L-VAB-1.25	IHS	IHS		1.25		
9Y8-S8L-VAC-1.25	IHS	IHS	28AWG	1.25	25	0.53" +/- 0.02" OVAL BUNDLE
9Y8-S8L-VAC-1.50	IHS	IHS		1.50		

Infiniband NDR version is also available. Go to www.3M.com/interconnect for more information or to contact us.

Regulatory: For regulatory information about this product, visit 3M.com/regs or contact your 3M representative.

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NOTES:
1. ORDERING INFORMATION: REFER TO TABLE 2 FOR DETAILS.
2. REFER TO TABLE 2 FOR CABLE LENGTH AND WIRE AWG
3. CABLE ASSEMBLY DESIGNED TO OSFP MSA & IEEE802.3ck SPECIFICATION
4. MATERIALS:
BACKSHELLS: NICKEL PLATED ZINC DIE CAST
PULL TAB LATCH: OVERMOLDED STAINLESS STEEL
BUNDLED CABLE: HALOGEN FREE, RATED UL VW-1 PER UL STYLE 22429
5. 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 CONTRUED AS A GUARANTEE OF COMPLIANCE TO ALL REQUIREMENTS IN A GIVEN SPECIFICATION.
6. PRODUCT SPECIFICATION REFER TO 3M DOCUMENT: PS-0480.
7. FOR CUSTOM LENGTHS CONTACT A 3M SALES REPRESENTATIVE
8. EEPROM MAP FOLLOWS QSFP DD CMIS REV 5.1.

SERIAL NUMBER DETAIL

X XX XX XX XXX

3 DIGIT FOR SERIES RUNNING No.
FROM '001' TO 'ZZZ'

2 DIGIT FOR PRODUCTION WEEK
'WW' FORMAT

2 DIGIT FOR PRODUCTION YEAR
'YY' FORMAT

2 DIGIT FOR CABLE LENGTH
1.00M : '10'
2.50M : '25'
2.25M : '23'
3.00M : '30'

1 DIGIT FOR PRODUCT TYPE
OSFP ST-ST : 'P'

A		0119691	MAY 07, 2025		BJW	DLD
REV		ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
DESIGN CODES		DRP B WILLIAMS	DATE NOV 05, 2024	MFG	DATE	
DIVISION		CHKD D DOYE	DATE NOV 05, 2024	APPR D DOYE	DATE NOV 05, 2024	
DO NOT SCALE DRAWING		SCALE 1 1		TOLERANCES EXCEPT AS NOTED		
THIRD ANGLE PROJECTION		INTERPRET PER ASME Y14.5 - 2018		MILLIMETERS		
MAX SURFACE ROUGHNESS		SURFACES		INCHES		
MARKED ONLY		ANGLES		MODEL		
CAGE NUMBER		SIZE	DRAWING NO.		REV.	
D		9Y	78-5100-2806-7		A	
DET		LISTS		YES		NO
SHT		2		OF		2