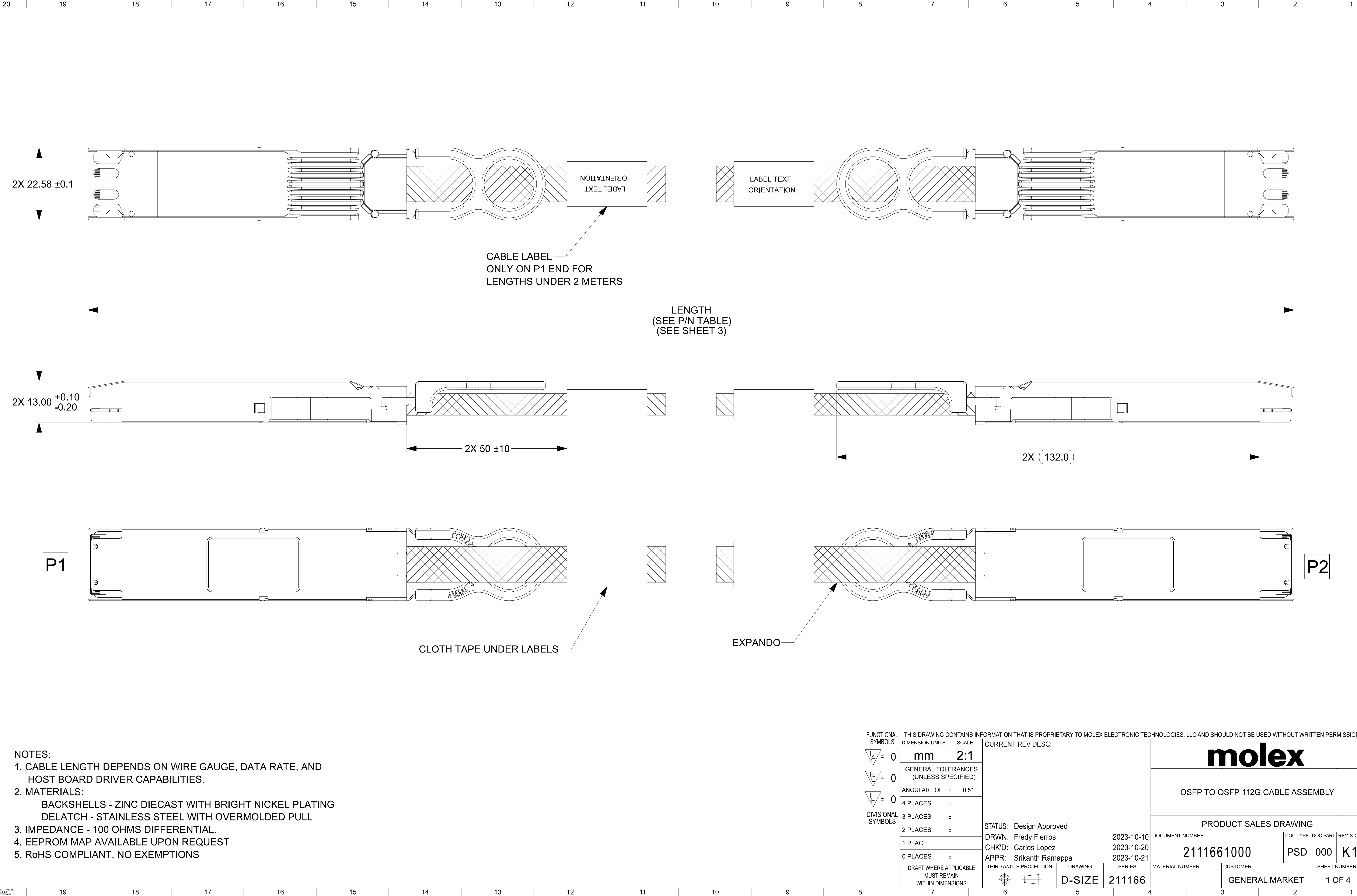


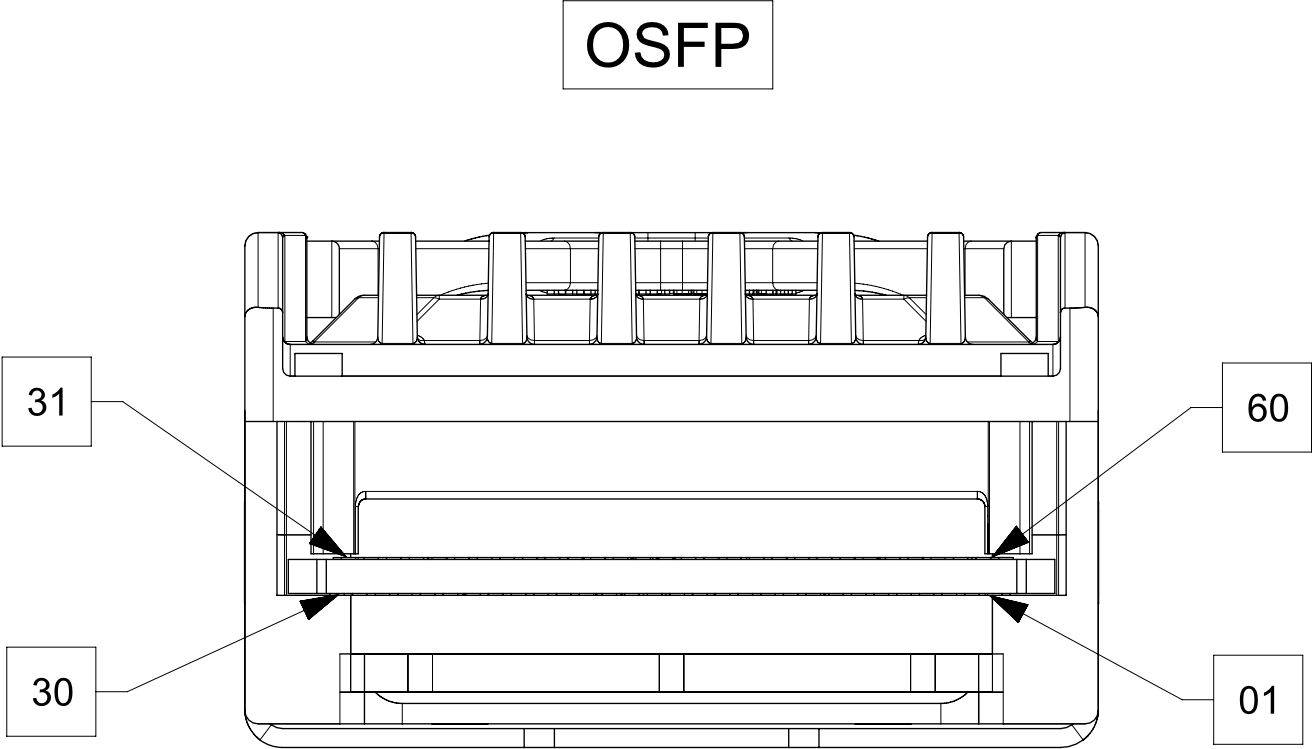


- NOTES:
- CABLE LENGTH DEPENDS ON WIRE GAUGE, DATA RATE, AND HOST BOARD DRIVER CAPABILITIES.
 - MATERIALS:
 - BACKSHELLS - ZINC DIECAST WITH BRIGHT NICKEL PLATING
 - DELATCH - STAINLESS STEEL WITH OVERMOLDED PULL
 - IMPEDANCE - 100 OHMS DIFFERENTIAL.
 - EEPROM MAP AVAILABLE UPON REQUEST
 - RoHS COMPLIANT, NO EXEMPTIONS

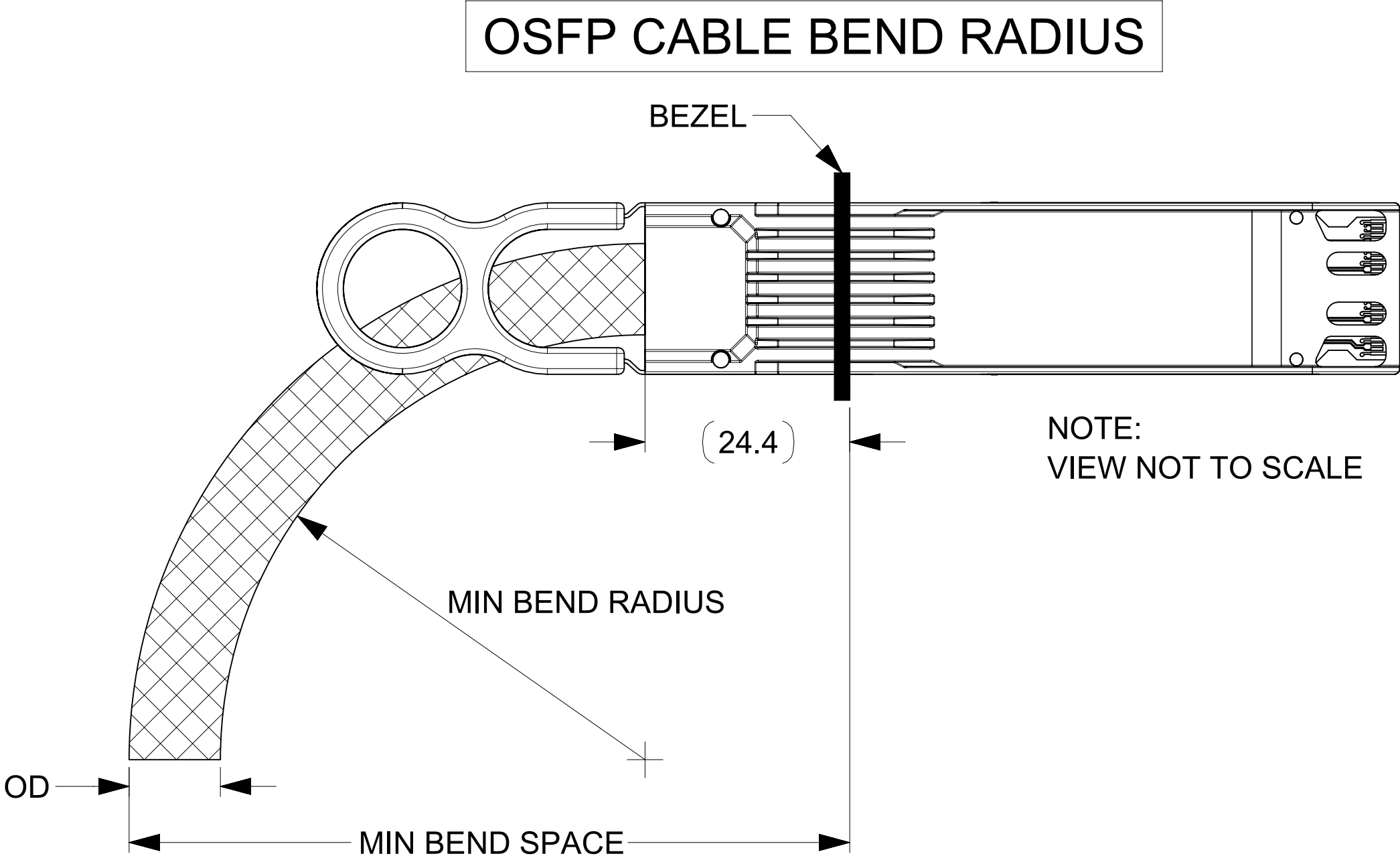
FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
	DIMENSION UNITS		SCALE		CURRENT REV DESC:										
	mm		2:1												
	GENERAL TOLERANCES (UNLESS SPECIFIED)														
	ANGULAR TOL ± 0.5°														
	DIVISIONAL SYMBOLS	4 PLACES		±							molex OSFP TO OSFP 112G CABLE ASSEMBLY PRODUCT SALES DRAWING				
3 PLACES		±													
2 PLACES		±													
1 PLACE		±													
0 PLACES		±		DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
				D-SIZE		211166						GENERAL MARKET		1 OF 4	

WIRING DIAGRAM				
P1 END			P2 END	
PAD	SIGNAL		PAD	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
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

LEGEND:
---> = TRANSMIT TO RECEIVE ON HIGH SPEED LINES
---- = THRU LINES



LOW SPEED SIGNALS P1 & P2	
PAD	SIGNAL
14	SCL
15	VCC
16	VCC
17	LPWn/PRSn
44	INT/RSTn
45	VCC
46	VCC
47	SDA



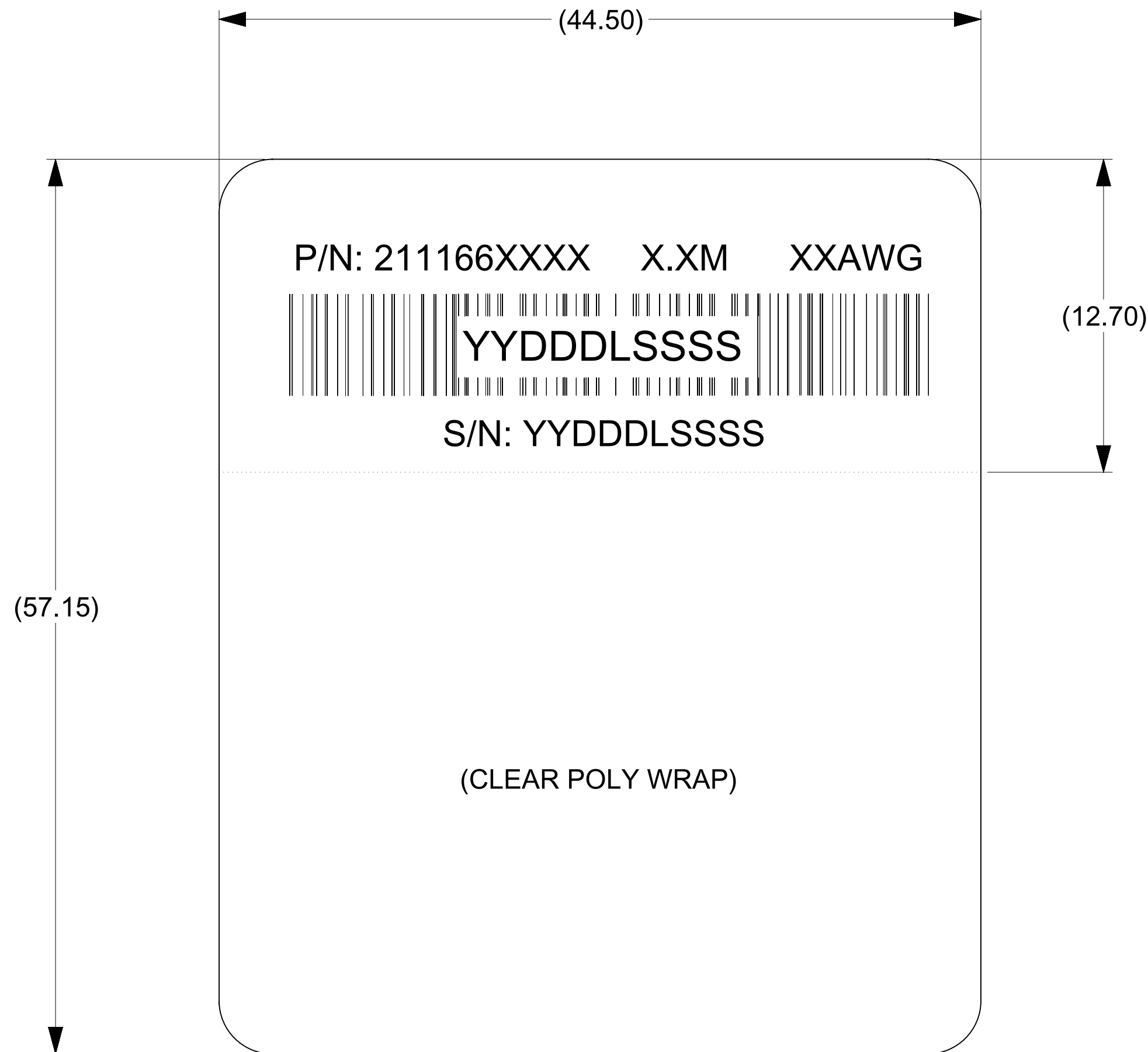
CABLE AWG	OD (mm)	MIN BEND RADIUS (mm)	MIN BEND SPACE (mm)
32	(8.3)	(42)	(75)
30	(9.5)	(48)	(82)
28	(11.0)	(55)	(91)
26	(12.7)	(64)	(101)

 CABLE OD AND MINIMUM BEND RADIUS ARE PENDING QUALIFICATION. ANY NUMBERS LISTED ABOVE ARE ESTIMATES AND ARE SUBJECT TO CHANGE.

NOTES:
1. DC BLOCKING CAPS ON RECEIVE SIDE ONLY.

FUNCTIONAL SYMBOLS FA = 0 FC = 0 FP = 0	DIVISIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC:		 OSFP TO OSFP 112G CABLE ASSEMBLY			
		DIMENSION UNITS	SCALE						
		mm	1.5:1	2111661000		PSD	000	K1	
		GENERAL TOLERANCES (UNLESS SPECIFIED)		PRODUCT SALES DRAWING		CUSTOMER		SHEET NUMBER	
		ANGULAR TOL ± 0.5°		STATUS: Design Approved		GENERAL MARKET		2 OF 4	
4 PLACES ±		DRWN: Fredy Fierros		MATERIAL NUMBER					
3 PLACES ±		CHK'D: Carlos Lopez		SERIES					
2 PLACES ±		APPR: Srikanth Ramappa		DRAWING					
1 PLACE ±		THIRD ANGLE PROJECTION		D-SIZE					
0 PLACES ±		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		211166					

LABEL DETAILS



P/N: 211166XXXX - MOLEX PART NUMBER (SEE P/N TABLE)

X.XM - CABLE LENGTH IN METERS (EXAMPLES - 0.5M, 0.75M, 1.0M, 1.5M)

XXAWG - CABLE SIZE IN AWG

S/N: YYDDDLSSSS - SERIAL NUMBER

YY = YEAR, THE LAST TWO DIGITS OF YEAR

DDD = DAY OF THE YEAR

L = LOCATION

1 - USA

2 - MEXICO

3 - CHINA

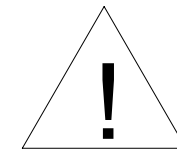
4 - PHILIPPINES

SSSS = SERIAL NUMBER (0001-9999)

PART NUMBER TABLES

DUAL DRAIN			
MOLEX P/N	LENGTH (M)	TOLERANCE (mm)	AWG
2111661205	0.5	±10	30
2111661210	1.0	±10	30
2111661213	1.3	±10	30
2111661214	1.4	±10	30
2111663205	0.5	±10	28
2111663210	1.0	±10	28
2111663214	1.4	±10	28
2111663216	1.6	±10	28
2111664205	0.5	±10	26
2111664210	1.0	±10	26
2111664215	1.5	±10	26
2111664218	1.8	±10	26
2111664220	2.0	±10	26
2111665205	0.5	±10	32
2111665210	1.0	±10	32

DRAINLESS			
MOLEX P/N	LENGTH (M)	TOLERANCE (mm)	AWG
2111661005	0.5	±10	30
2111661010	1.0	±10	30
2111661013	1.3	±10	30
2111661014	1.4	±10	30
2111663005	0.5	±10	28
2111663010	1.0	±10	28
2111663014	1.4	±10	28
2111663016	1.6	±10	28
2111664005	0.5	±10	26
2111664010	1.0	±10	26
2111664015	1.5	±10	26
2111664018	1.8	±10	26
2111664020	2.0	±10	26
2111665005	0.5	±10	32
2111665010	1.0	±10	32



CABLE LENGTH AND AWG ARE PENDING
QUALIFICATION AND ARE SUBJECT TO CHANGE

SPECIAL LENGTH PART NUMBER TABLE*

MOLEX P/N	LENGTH (M)	TOLERANCE (mm)	AWG
2111664025	2.5	±10	26
2111664225	2.5	±10	26

* PART NUMBER IN THIS TABLE WILL NOT MEET IEE802.3ck

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
	DIMENSION UNITS		SCALE		CURRENT REV DESC:			molex							
	mm		1:1												
	GENERAL TOLERANCES (UNLESS SPECIFIED)							OSFP TO OSFP 112G CABLE ASSEMBLY							
ANGULAR TOL ± 0.5°															
4 PLACES		±													
DIVISIONAL SYMBOLS	3 PLACES		±		STATUS: Design Approved DRWN: Fredy Fierros 2023-10-10 CHK'D: Carlos Lopez 2023-10-20 APPR: Srikanth Ramappa 2023-10-21			PRODUCT SALES DRAWING							
	2 PLACES		±												
	1 PLACE		±												
	0 PLACES		±												
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS														
		THIRD ANGLE PROJECTION		DRAWING		SERIES		DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
				D-SIZE		211166		2111661000		PSD		000		K1	
								MATERIAL NUMBER		CUSTOMER				SHEET NUMBER	
										GENERAL MARKET				3 OF 4	

DATE (YYYY/MM/DD)	REV	DESCRIPTION
2023/10/19	K1	PN 2111664225 WAS ADDED TO SPECIAL LENGTH PART NUMBER TABLE (SHEET 3) NOTE 4 IN SHEET 1 WAS REMOVED (4. MODULE IS COMPLIANT TO OSFP MSA REV 3.0 (PENDING TESTING))

FUNCTIONAL SYMBOLS F A = 0 F C = 0 F P = 0 DIVISIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													
	DIMENSION UNITS		SCALE		CURRENT REV DESC:						molex			
	mm		1:1											
	GENERAL TOLERANCES (UNLESS SPECIFIED)													
	ANGULAR TOL ± 0.5°													
	4 PLACES		±											
	3 PLACES		±		STATUS: Design Approved DRWN: Fredy Fierros 2023-10-10 CHK'D: Carlos Lopez 2023-10-20 APPR: Srikanth Ramappa 2023-10-21						PRODUCT SALES DRAWING			
	2 PLACES		±											
	1 PLACE		±											
	0 PLACES		±											
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING										
				D-SIZE		211166				GENERAL MARKET		4 OF 4		