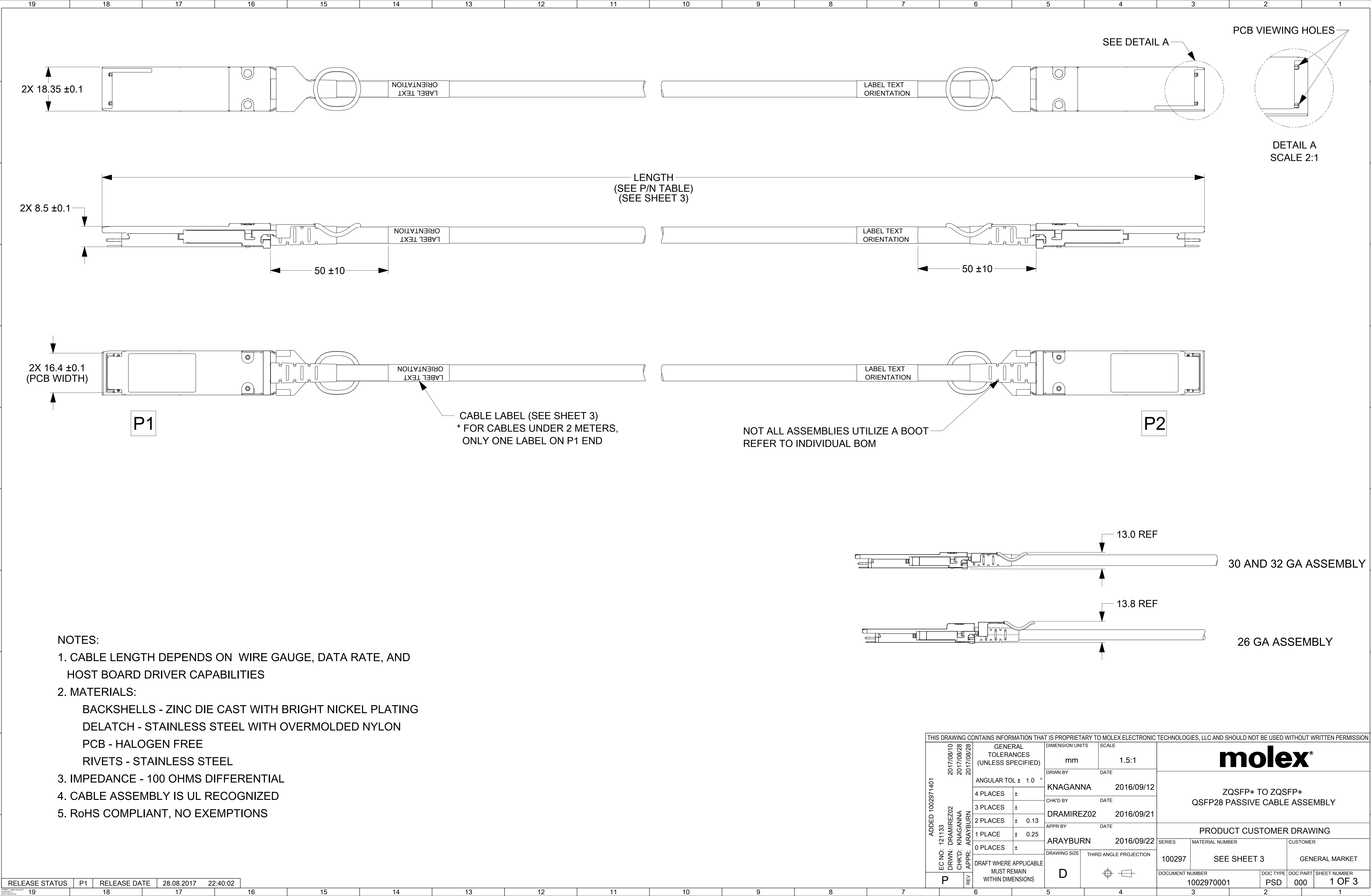
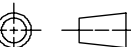
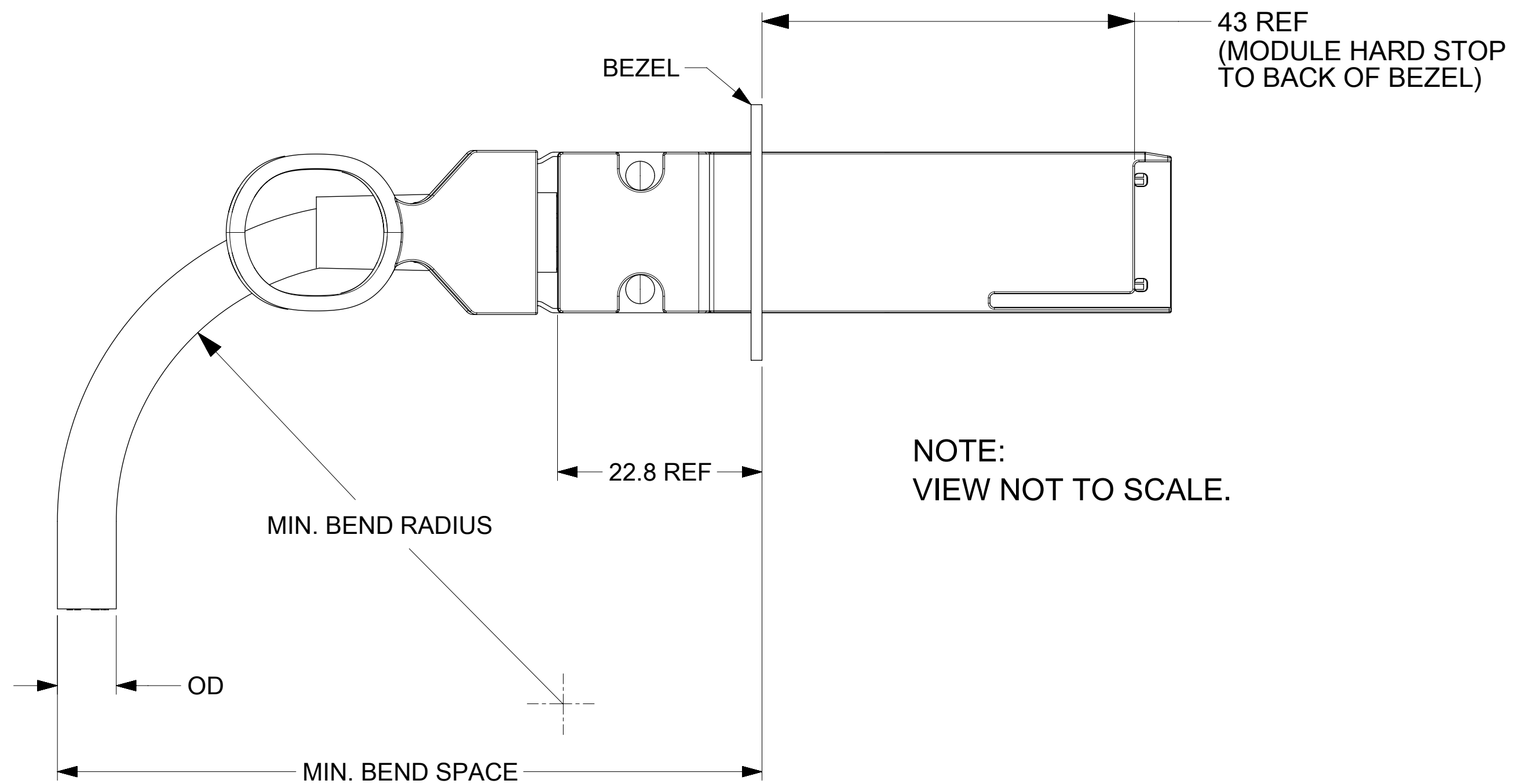




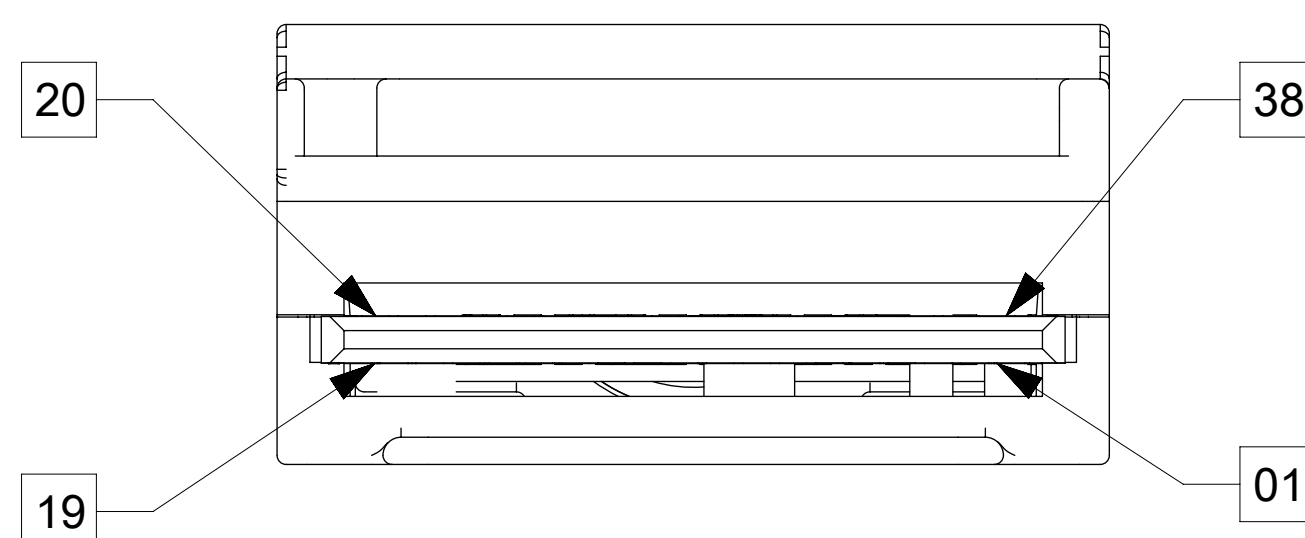
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																							
ADDED 1002971401 EC NO: 121133 DRWN: DRAMIREZ02 CHKD: KNAGANNA APPR: ARAYBURN	2017/08/10 2017/08/28 2017/08/28	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE		molex[®] ZQSFP+ TO ZQSFP+ QSFP28 PASSIVE CABLE ASSEMBLY															
				mm		1.5:1																	
		ANGULAR TOL ± 1.0 °		DRWN BY		DATE		PRODUCT CUSTOMER DRAWING															
		4 PLACES ±		KNAGANNA		2016/09/12																	
		3 PLACES ±		CHK'D BY		DATE																	
		2 PLACES ± 0.13		DRAMIREZ02		2016/09/21																	
		1 PLACE ± 0.25		APPR BY		DATE																	
		0 PLACES ±		ARAYBURN		2016/09/22		SERIES MATERIAL NUMBER CUSTOMER 100297 SEE SHEET 3 GENERAL MARKET															
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE		THIRD ANGLE PROJECTION										DOCUMENT NUMBER		DOC TYPE		DOC PART		SHEET NUMBER	
				D												1002970001		PSD		000		1 OF 3	

CABLE BEND RADIUS



CABLE AWG	OD (mm)	MIN BEND RADIUS (mm)	MIN BEND SPACE (mm)
26	9.53	48	80
30	6.35	32	61
32	4.95	25	53

PINOUT



SCALE 6:1

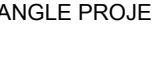
LOW SPEED SIGNALS P1 & P2	
PAD	SIGNAL
08	ModSelL
09	ResetL
10	VccRx
11	SCL
12	SDA
27	ModPrsL
28	IntL
29	VccTx
30	Vcc1
31	LPMMode

WIRING DIAGRAM

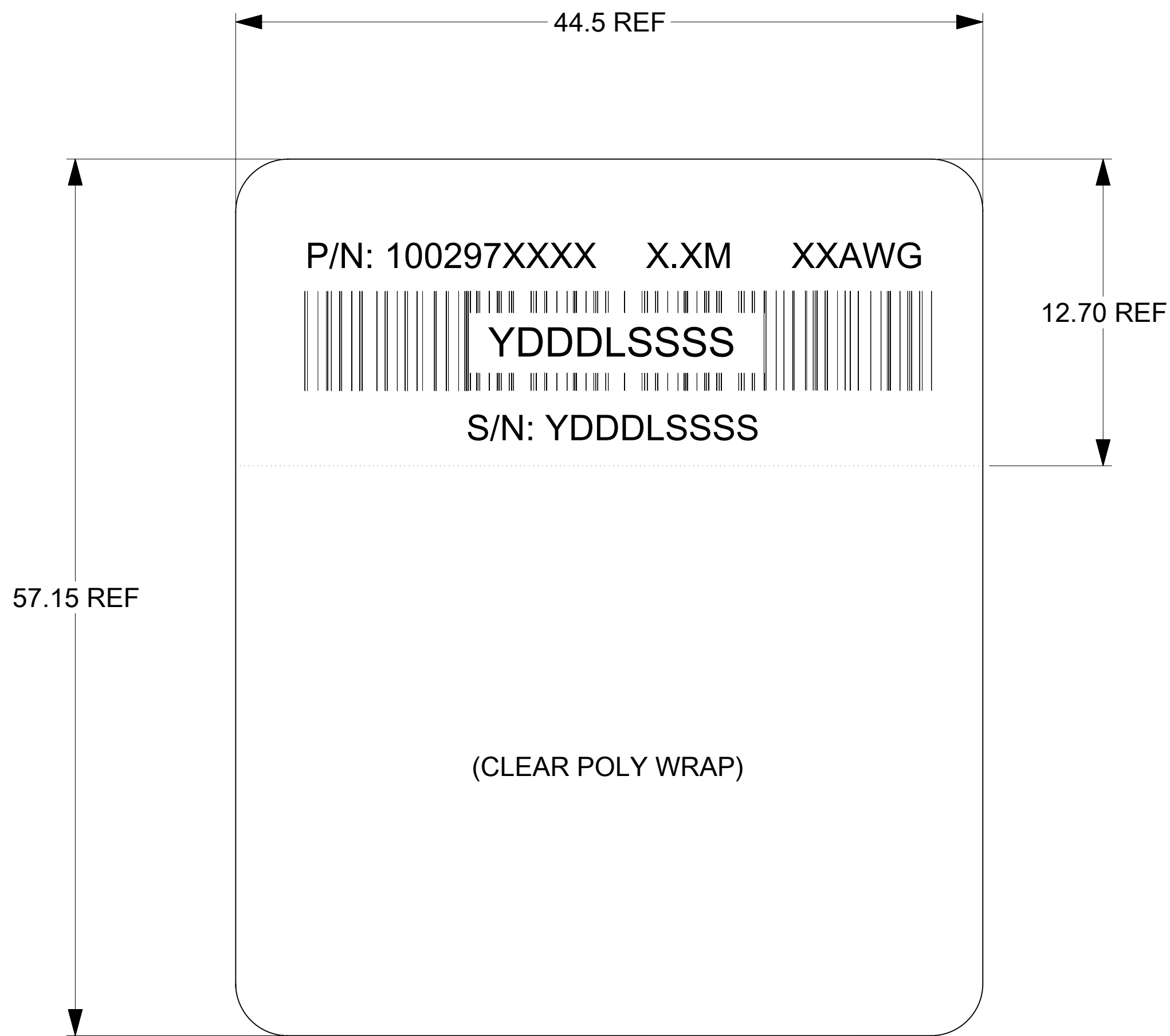
WIRING DIAGRAM				
P1 END			P2 END	
PAD	SIGNAL		PAD	SIGNAL
01	GND (TX)		20	GND (RX)
02	TX2n	→	21	RX2n
03	TX2p	→	22	RX2p
04	GND (TX)		23	GND (RX)
05	TX4n	→	24	RX4n
06	TX4p	→	25	RX4p
07	GND (TX)		26	GND (RX)
13	GND (RX)		32	GND (TX)
14	RX3p	←	33	TX3p
15	RX3n	←	34	TX3n
16	GND (RX)		35	GND (TX)
17	RX1p	←	36	TX1p
18	RX1n	←	37	TX1n
19	GND (RX)		38	GND (TX)
20	GND (RX)		01	GND (TX)
21	RX2n	←	02	TX2n
22	RX2p	←	03	TX2p
23	GND (RX)		04	GND (TX)
24	RX4n	←	05	TX4n
25	RX4p	←	06	TX4p
26	GND (RX)		07	GND (TX)
32	GND (TX)		13	GND (RX)
33	TX3p	→	14	RX3p
34	TX3n	→	15	RX3n
35	GND (TX)		16	GND (RX)
36	TX1p	→	17	RX1p
37	TX1n	→	18	RX1n
38	GND (TX)		19	GND (RX)

NOTES:

1. DC BLOCKING CAPS ON RECEIVE SIDE ONLY
2. CABLE COILED AND PACKAGED IN BEST FIT ESD BAG AND SEALED WITH ESD LABEL FOR SHIPPING

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																
ADDED 1002971-401 EC NO: 121133 DRWN: DRAMIREZ02 CHK'D: KNAGANNA APPR: ARAYBURN		2017/08/10 2017/08/28 2017/08/28	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS mm		SCALE 1:1		molex® ZQSFP+ TO ZQSFP+ QSFP28 PASSIVE CABLE ASSEMBLY							
			ANGULAR TOL ± 1.0 °		DRWN BY KNAGANNA		DATE 2016/09/12									
			4 PLACES ±		CHK'D BY		DATE		PRODUCT CUSTOMER DRAWING							
			3 PLACES ±		DRAMIREZ02		2016/09/21									
			2 PLACES ± 0.13		APPR BY		DATE									
			1 PLACE ± 0.25		ARAYBURN		2016/09/22									
			0 PLACES ±		DRAWING SIZE		THIRD ANGLE PROJECTION		SERIES 100297		MATERIAL NUMBER SEE SHEET 3		CUSTOMER GENERAL MARKET			
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		D				DOCUMENT NUMBER 1002970001		DOC TYPE PSD		DOC PART 000		SHEET NUMBER 2 OF 3	
			P	REV												

LABEL DETAILS



P/N: 100297XXXX - MOLEX PART NUMBER (SEE P/N TABLE)

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

XXAWG - CABLE SIZE IN AWG

S/N: YDDDLSSSS - SERIAL NUMBER

Y = YEAR, THE LAST DIGIT OF YEAR

DDD = DAY OF THE YEAR

L = LOCATION

1 - USA

2 - MEXICO

3 - CHINA

4 - PHILIPPINES

SSSS = SERIAL NUMBER (0001-9999)

PART NUMBER TABLE

MOLEX P/N	LENGTH (M)	AWG
1002971321	0.32M $\pm$ 0.02M	32
1002971015	0.5M $\pm$ 0.05M	32
1002971001	1.0M $\pm$ 0.05M	32
1002971215	1.5M $\pm$ 0.08M	32
1002971002	2.0M $\pm$ 0.08M	32
1002971051	0.5M $\pm$ 0.05M	30
1002971071	0.75 $\pm$ 0.05M	30
1002971101	1.0M $\pm$ 0.05M	30
1002971132	1.25M $\pm$ 0.05M	30
1002971151	1.5M $\pm$ 0.08M	30
1002971201	2.0M $\pm$ 0.08M	30
1002971251	2.5M $\pm$ 0.08M	30
1002971301	3.0M $\pm$ 0.08M	30
1002971401	4.0M $\pm$ 0.08M	30
1002973051	0.5M $\pm$ 0.05M	26
1002973071	0.75M $\pm$ 0.05M	26
1002973101	1.0M $\pm$ 0.05M	26
1002973151	1.5M $\pm$ 0.08M	26
1002973201	2.0M $\pm$ 0.08M	26
1002973301	3.0M $\pm$ 0.08M	26
1002973351	3.5M $\pm$ 0.08M	26
1002973401	4.0M $\pm$ 0.08M	26
1002973501	5.0M $\pm$ 0.08M	26

FOR 32AWG ZQSFP+ CABLES 1.0M AND SHORTER CABLES FAIL 802.3by SPEC FOR MINIMUM INSERTION LOSS
FOR 30AWG ZQSFP+ CABLES LONGER THAN 3M, CABLES FAIL 802.3by SPEC FOR MAXIMUM INSERTION LOSS AND COM
FOR 30AWG ZQSFP+ CABLES 1.5m AND SHORTER CABLES FAIL 802.3by SPEC FOR MINIMUM INSERTION LOSS
FOR 26AWG ZQSFP+ CABLES 1.5m AND SHORTER CABLES FAIL 802.3by SPEC FOR MINIMUM INSERTION LOSS

[illegible]