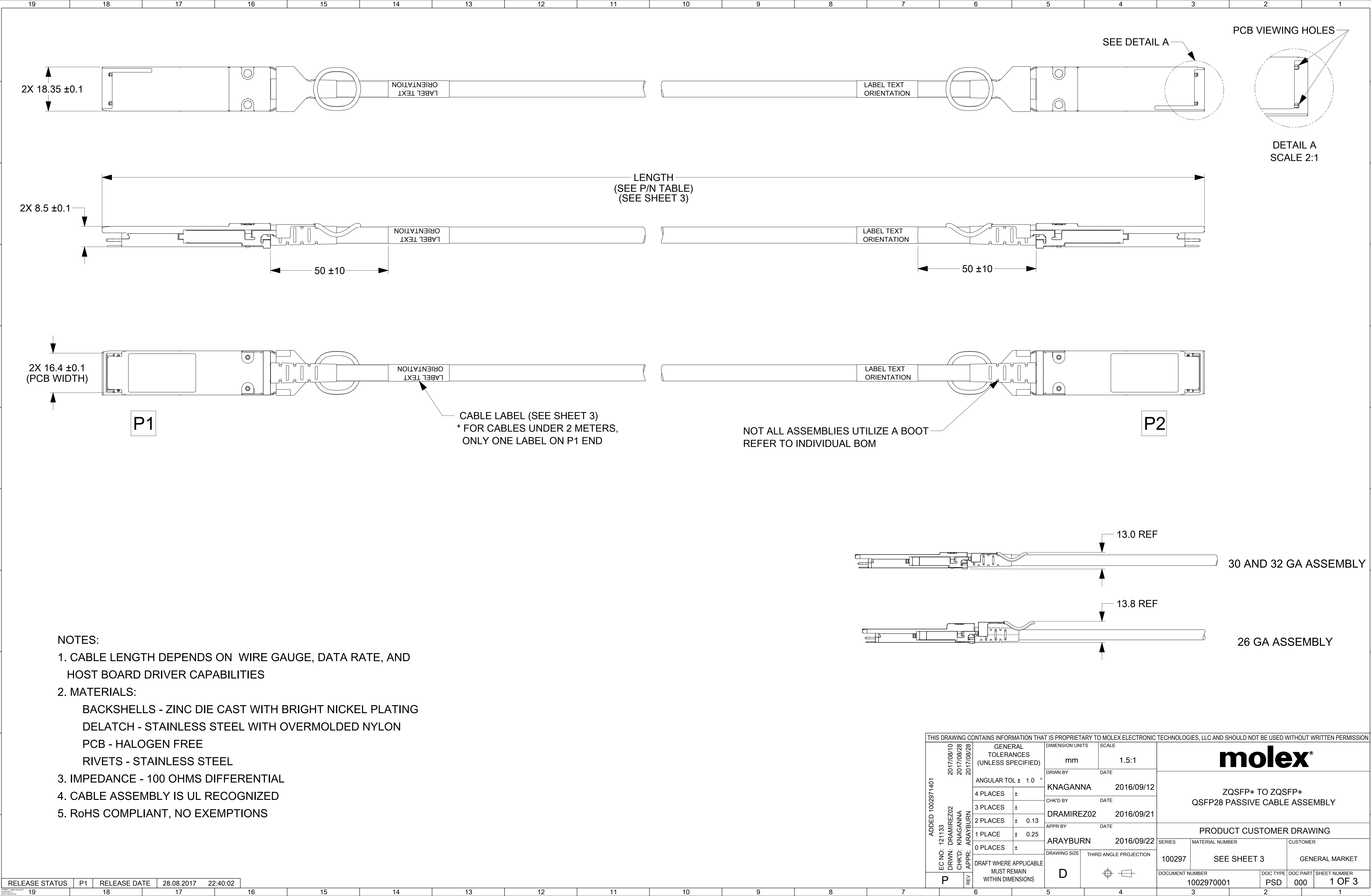
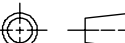
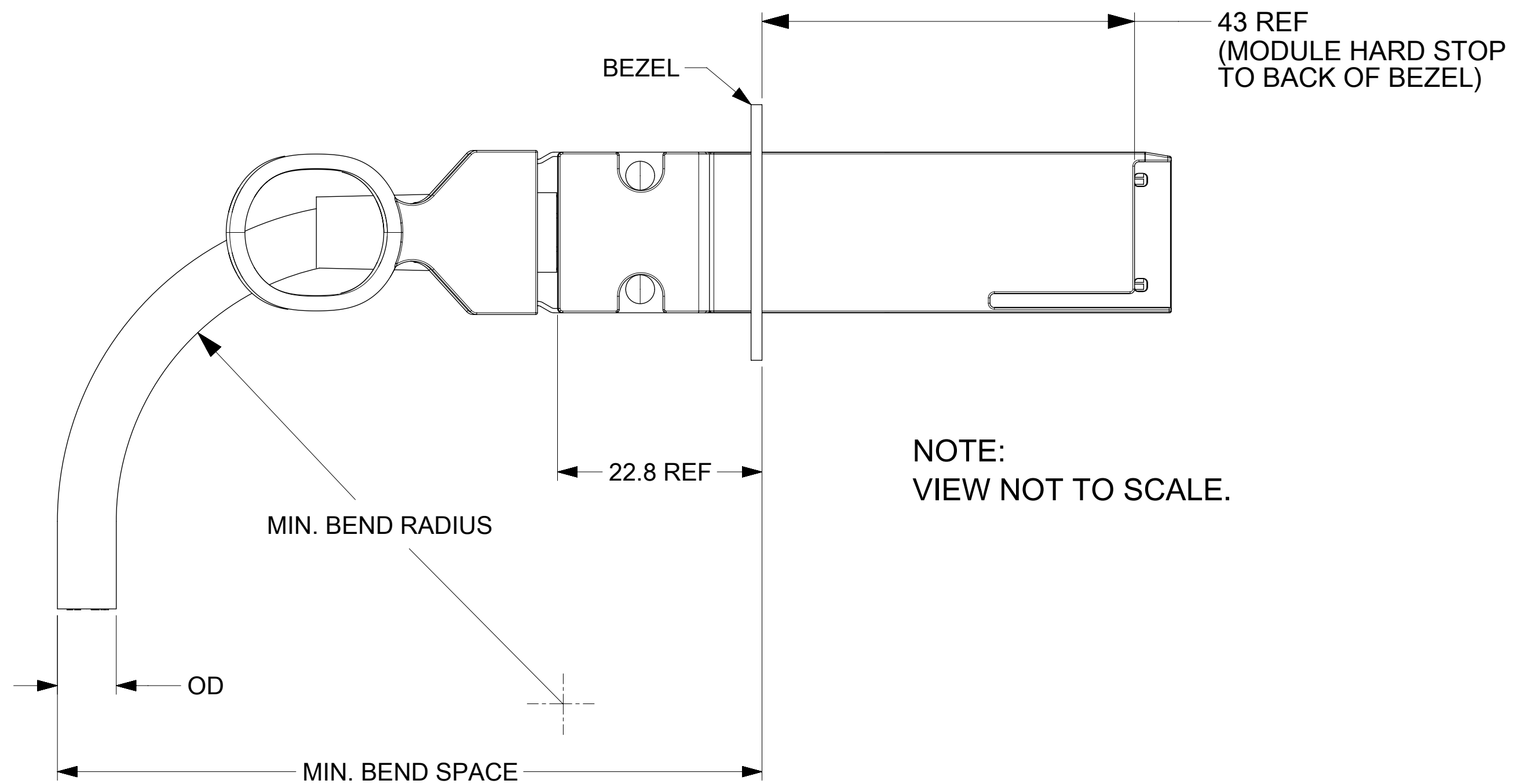




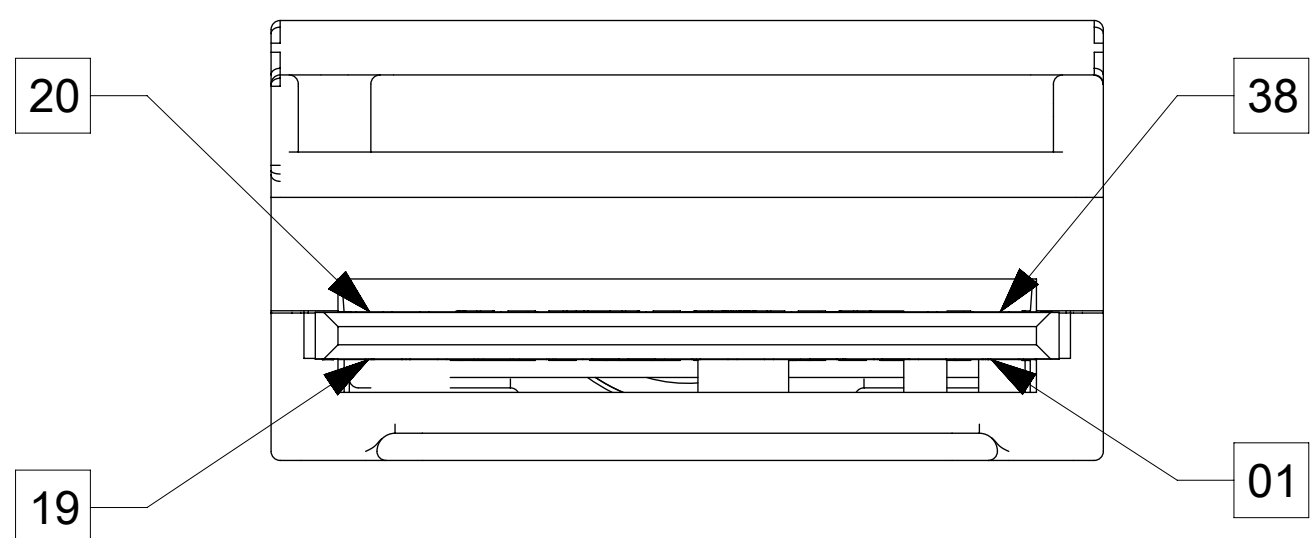
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													
ADDED 1002971401 EC NO: 121133 DRWN: DRAMIREZ02 CHKD: KNAGANNA APPR: ARAYBURN	2017/08/10 2017/08/28 2017/08/28	GENERAL TOLERANCES (UNLESS SPECIFIED)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

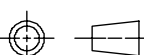
LOW SPEED SIGNALS P1 & P2	
PAD	SIGNAL
08	ModSelL
09	ResetL
10	VccRx
11	SCL
12	SDA
27	ModPrsL
28	IntL
29	VccTx
30	Vcc1
31	LPMMode

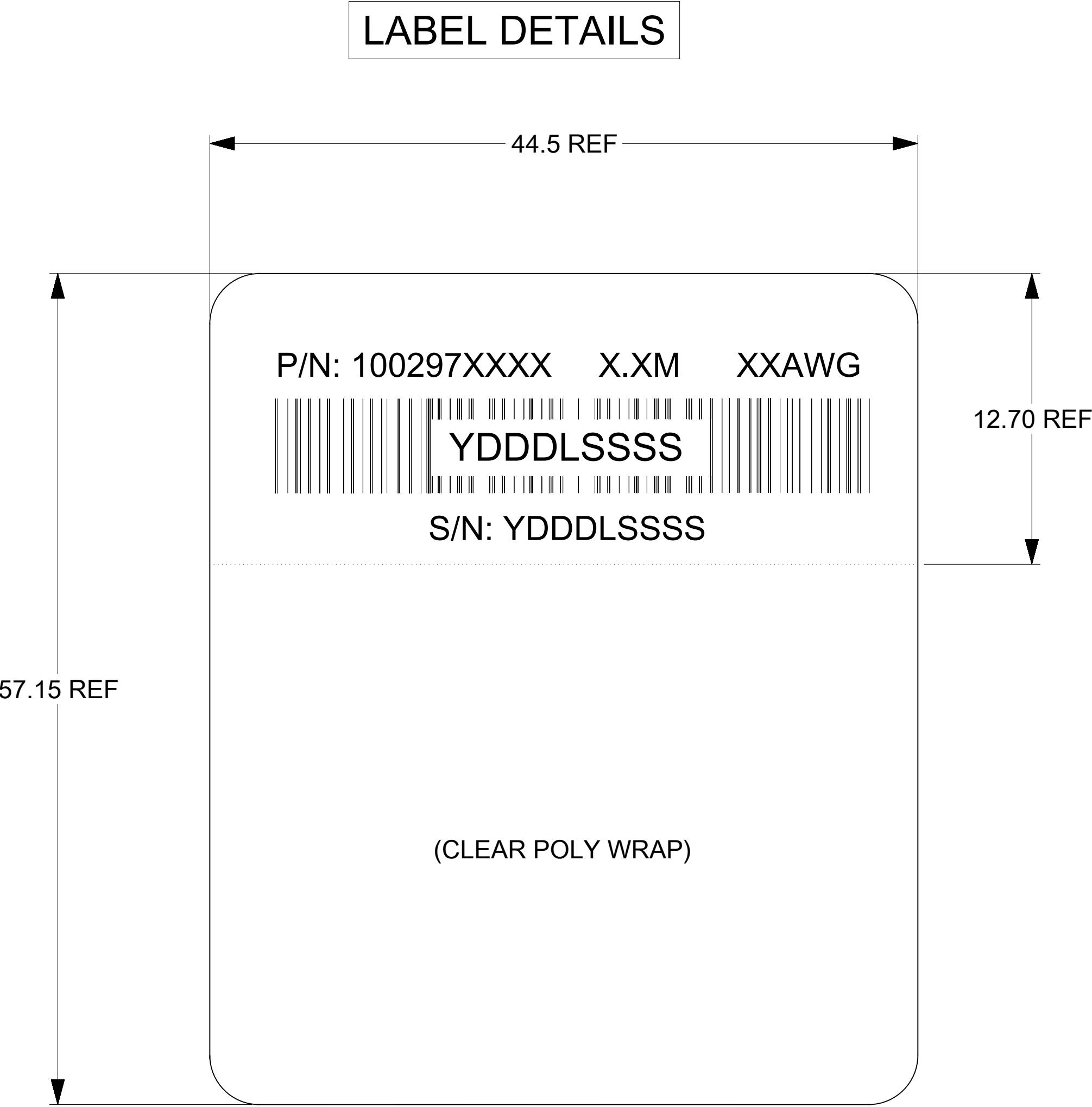
WIRING DIAGRAM

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

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ADDED 1002971401 EC NO: 121133 DRWN: DRAMIREZ02 CHKD: KNAGANNA APPR: ARAYBURN		2017/06/10 2017/08/28 2017/08/28		GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± 1.0 ° 4 PLACES ± 3 PLACES ± 2 PLACES ± 0.13 1 PLACE ± 0.25 0 PLACES ± DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DIMENSION UNITS		SCALE		molex® ZQSFP+ TO ZQSFP+ QSFP28 PASSIVE CABLE ASSEMBLY			
						mm		1:1					
						DRWN BY		DATE		PRODUCT CUSTOMER DRAWING			
						KNAGANNA		2016/09/12					
						CHK'D BY		DATE					
						DRAMIREZ02		2016/09/21		SERIES 100297 MATERIAL NUMBER SEE SHEET 3 CUSTOMER GENERAL MARKET			
						APPR BY		DATE					
						ARAYBURN		2016/09/22					
						DRAWING SIZE		THIRD ANGLE PROJECTION		DOCUMENT NUMBER 1002970001 DOC TYPE PSD DOC PART 000 SHEET NUMBER 2 OF 3			
						D							



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

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: YDDLSSSS - SERIAL NUMBER

Y = YEAR, THE LAST DIGIT OF YEAR

DDD = DAY OF THE YEAR

L = LOCATION

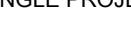
1 - USA

2 - MEXICO

3 - CHINA

4 - PHILIPPINES

SSSS = SERIAL NUMBER (0001-9999)

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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®							
						mm		1:1									
						ANGULAR TOL ± 1.0 °		DRWN BY		DATE		ZQSFP+ TO ZQSFP+ QSFP28 PASSIVE CABLE ASSEMBLY					
				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		PRODUCT CUSTOMER DRAWING							
				0 PLACES ±		ARAYBURN		2016/09/22									
						DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE		THIRD ANGLE PROJECTION		SERIES		MATERIAL NUMBER		CUSTOMER	
								D				100297		SEE PN TABLE		GENERAL MARKET	
										DOCUMENT NUMBER		DOC TYPE		DOC PART		SHEET NUMBER	
										1002970001		PSD		000		3 OF 3	