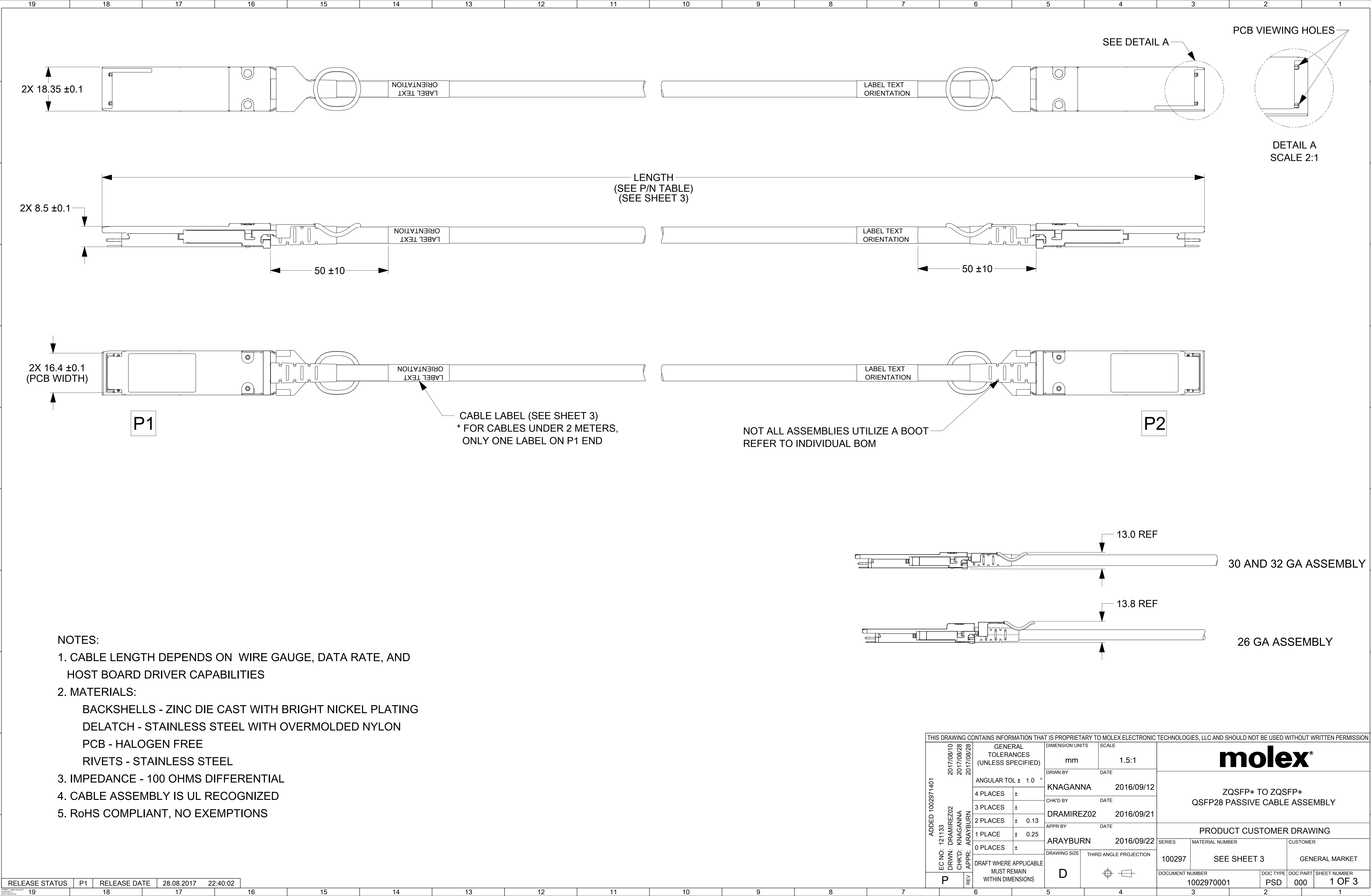
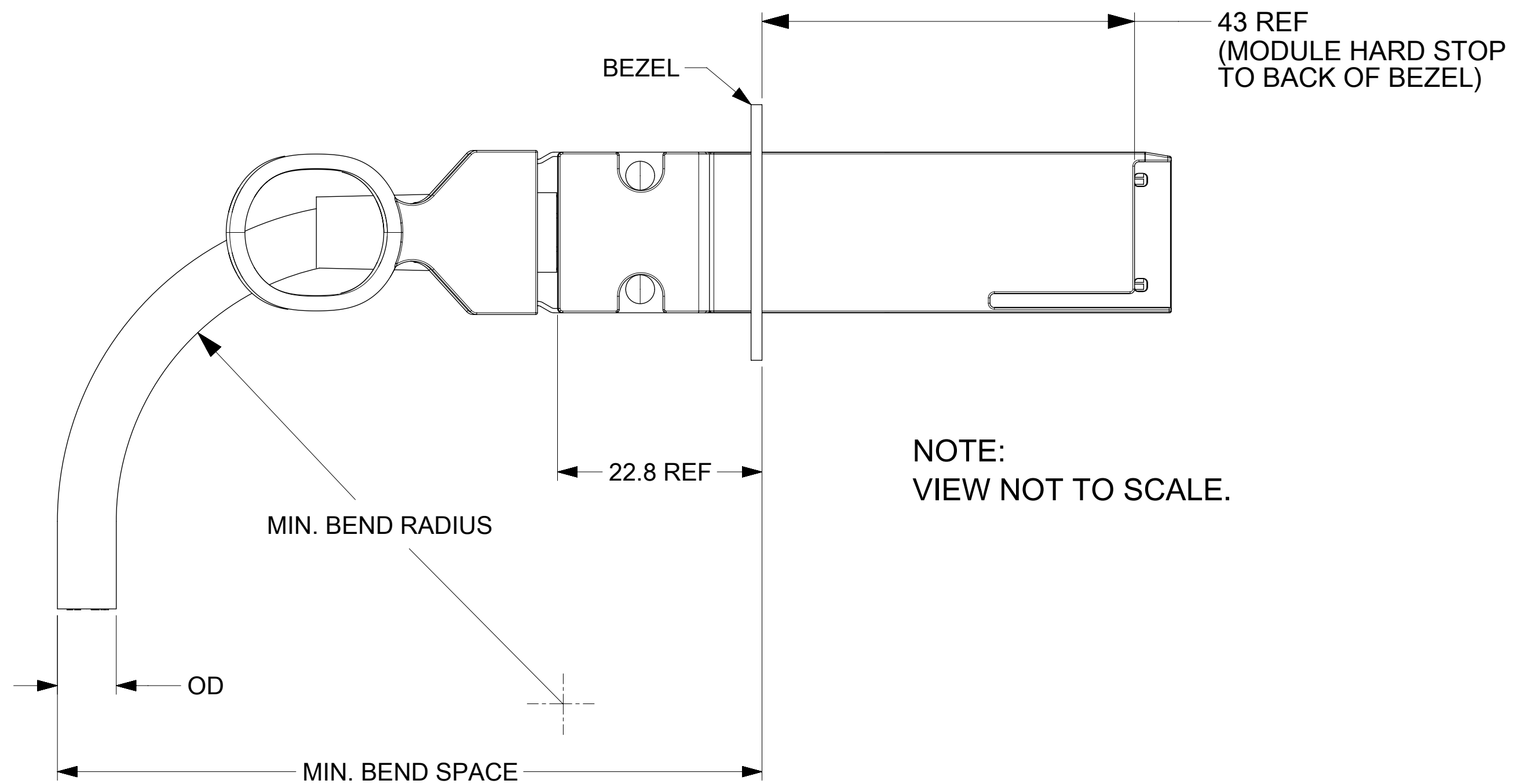




THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																					
ADDED 1002971401 EC NO: 121133 DRWN: DRAMIREZ02 CHKD: KNAGANNA APPR: ARAYBURN	2017/08/10 2017/08/28 2017/08/28	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE		molex® ZQSFP+ TO ZQSFP+ QSFP28 PASSIVE CABLE ASSEMBLY													
				mm		1.5:1															
		ANGULAR TOL ± 1.0 °		DRWN BY		DATE															
		4 PLACES ±		KNAGANNA		2016/09/12		PRODUCT CUSTOMER DRAWING													
		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	
		P		REV		D										1002970001		PSD		000	

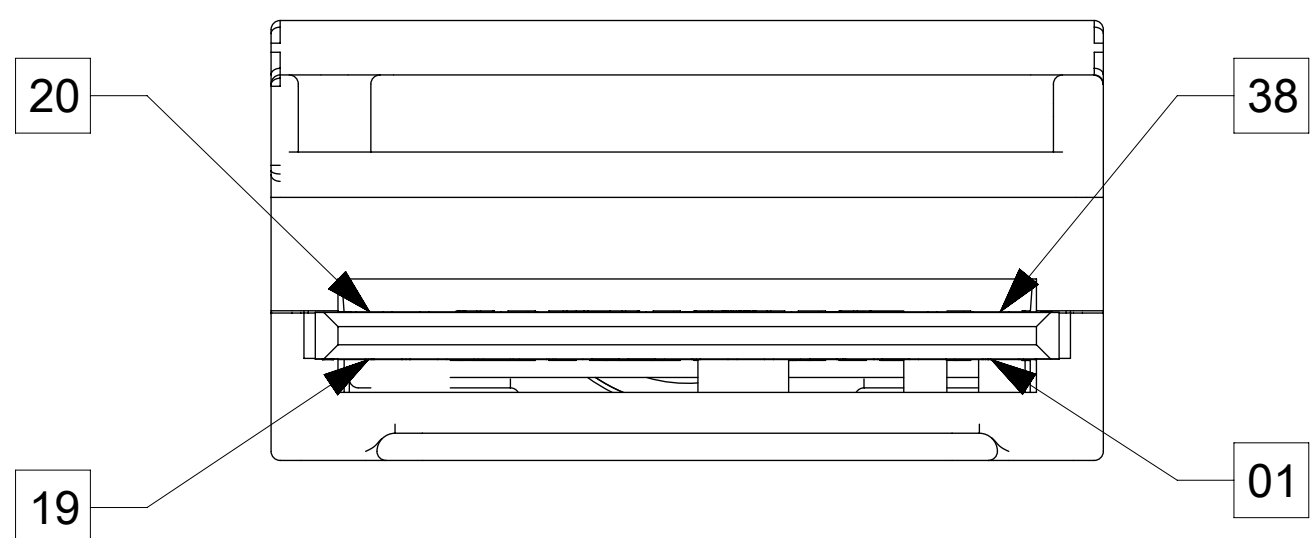
RELEASE STATUS	P1	RELEASE DATE	28.08.2017	22:40:02
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CABLE BEND RADIUS



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

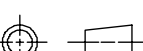
LOW SPEED SIGNALS P1 & P2	
PAD	SIGNAL
08	ModSelL
09	ResetL
10	VccRx
11	SCL
12	SDA
27	ModPrsL
28	IntL
29	VccTx
30	Vcc1
31	LPMMode

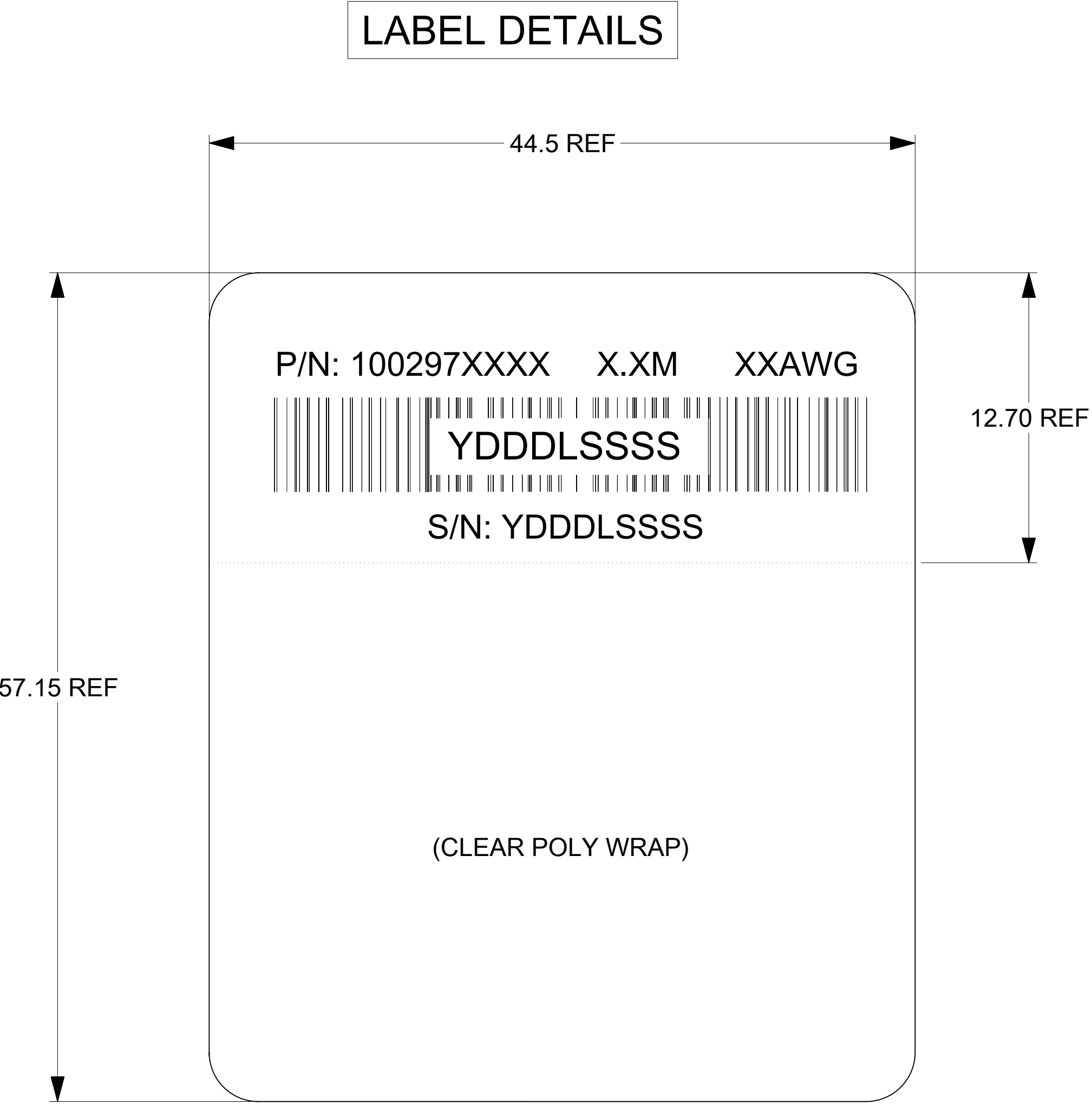
WIRING DIAGRAM

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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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							
			mm		1:1							
			DRWN BY		DATE		ZQSFP+ TO ZQSFP+ QSFP28 PASSIVE CABLE ASSEMBLY					
			KNAGANNA		2016/09/12							
			CHK'D BY		DATE		PRODUCT CUSTOMER DRAWING					
			DRAMIREZ02		2016/09/21							
			APPR BY		DATE		SERIES: 100297 MATERIAL NUMBER: SEE SHEET 3 CUSTOMER: GENERAL MARKET					
			ARAYBURN		2016/09/22							
			DRAWING SIZE		THIRD ANGLE PROJECTION		DOCUMENT NUMBER: 1002970001 DOC TYPE: PSD DOC PART: 000 SHEET NUMBER: 2 OF 3					
			D									



PART NUMBER TABLE

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

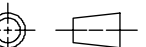
1 - USA

2 - MEXICO

3 - CHINA

4 - PHILIPPINES

SSSS = SERIAL NUMBER (0001-9999)

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ADDED 1002971401 EC NO: 121133 DRWN: DRAMIREZ02 CHKD: KNAGANNA REV/ 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							
				KNAGANNA		2016/09/12									
		4 PLACES ±		CHK'D BY		DATE		PRODUCT CUSTOMER DRAWING							
		3 PLACES ±		DRAMIREZ02		2016/09/21									
		2 PLACES ± 0.13		APP'R BY		DATE									
		1 PLACE ± 0.25		ARAYBURN		2016/09/22		SERIES		MATERIAL NUMBER			CUSTOMER		
		0 PLACES ±		DRAWING SIZE		THIRD ANGLE PROJECTION		100297		SEE PN TABLE			GENERAL MARKET		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		D				DOCUMENT NUMBER		1002970001			DOC TYPE	DOC PART	SHEET NUMBER
P		REV				1002970001		PSD	000	3 OF 3					
6		5		4		2		2	1	1					